

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

**SDG No.:** Q1574  
**Client:** G Environmental

| Sample ID                       | Client ID             | Matrix | Parameter                   | Concentration | C  | MDL  | RDL  | Units |
|---------------------------------|-----------------------|--------|-----------------------------|---------------|----|------|------|-------|
| <b>Client ID:</b><br>Q1574-01   | <b>WC1</b><br>WC1     | SOIL   | Trichlorofluoromethane      | 1.20          | J  | 1.20 | 5.10 | ug/Kg |
|                                 |                       |        | <b>Total Voc :</b>          | 1.20          |    |      |      |       |
|                                 |                       |        | <b>Total Concentration:</b> | 1.20          |    |      |      |       |
| <b>Client ID:</b><br>Q1574-01RE | <b>WC1RE</b><br>WC1RE | SOIL   | Trichlorofluoromethane      | 1.60          | J  | 1.20 | 5.00 | ug/Kg |
| Q1574-01RE                      | WC1RE                 | SOIL   | Acetone                     | 6.60          | JQ | 4.80 | 25.1 | ug/Kg |
|                                 |                       |        | <b>Total Voc :</b>          | 8.20          |    |      |      |       |
|                                 |                       |        | <b>Total Concentration:</b> | 8.20          |    |      |      |       |



# SAMPLE DATA



## Report of Analysis

|                    |                                   |                 |                      |
|--------------------|-----------------------------------|-----------------|----------------------|
| Client:            | G Environmental                   | Date Collected: | 03/12/25             |
| Project:           | Ave L                             | Date Received:  | 03/14/25             |
| Client Sample ID:  | WC1                               | SDG No.:        | Q1574                |
| Lab Sample ID:     | Q1574-01                          | Matrix:         | SOIL                 |
| Analytical Method: | SW8260                            | % Solid:        | 98                   |
| Sample Wt/Vol:     | 5.02      Units:    g             | Final Vol:      | 5000              uL |
| Soil Aliquot Vol:  | uL                                | Test:           | VOC-TCLVOA-10        |
| GC Column:         | RXI-624              ID :    0.25 | Level :         | LOW                  |
| Prep Method :      |                                   |                 |                      |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VY021549.D        | 1         |           | 03/17/25 14:26 | VY031725      |

| CAS Number     | Parameter                      | Conc. | Qualifier | MDL  | LOQ / CRQL | Units(Dry Weight) |
|----------------|--------------------------------|-------|-----------|------|------------|-------------------|
| <b>TARGETS</b> |                                |       |           |      |            |                   |
| 75-71-8        | Dichlorodifluoromethane        | 1.20  | U         | 1.20 | 5.10       | ug/Kg             |
| 74-87-3        | Chloromethane                  | 1.20  | U         | 1.20 | 5.10       | ug/Kg             |
| 75-01-4        | Vinyl Chloride                 | 0.80  | U         | 0.80 | 5.10       | ug/Kg             |
| 74-83-9        | Bromomethane                   | 1.10  | U         | 1.10 | 5.10       | ug/Kg             |
| 75-00-3        | Chloroethane                   | 1.30  | U         | 1.30 | 5.10       | ug/Kg             |
| 75-69-4        | Trichlorofluoromethane         | 1.20  | J         | 1.20 | 5.10       | ug/Kg             |
| 76-13-1        | 1,1,2-Trichlorotrifluoroethane | 1.10  | U         | 1.10 | 5.10       | ug/Kg             |
| 75-35-4        | 1,1-Dichloroethene             | 1.00  | U         | 1.00 | 5.10       | ug/Kg             |
| 67-64-1        | Acetone                        | 4.80  | UQ        | 4.80 | 25.4       | ug/Kg             |
| 75-15-0        | Carbon Disulfide               | 1.10  | U         | 1.10 | 5.10       | ug/Kg             |
| 1634-04-4      | Methyl tert-butyl Ether        | 0.74  | U         | 0.74 | 5.10       | ug/Kg             |
| 79-20-9        | Methyl Acetate                 | 1.60  | U         | 1.60 | 5.10       | ug/Kg             |
| 75-09-2        | Methylene Chloride             | 3.60  | U         | 3.60 | 10.2       | ug/Kg             |
| 156-60-5       | trans-1,2-Dichloroethene       | 0.87  | U         | 0.87 | 5.10       | ug/Kg             |
| 75-34-3        | 1,1-Dichloroethane             | 0.81  | U         | 0.81 | 5.10       | ug/Kg             |
| 110-82-7       | Cyclohexane                    | 0.80  | U         | 0.80 | 5.10       | ug/Kg             |
| 78-93-3        | 2-Butanone                     | 6.60  | U         | 6.60 | 25.4       | ug/Kg             |
| 56-23-5        | Carbon Tetrachloride           | 0.99  | U         | 0.99 | 5.10       | ug/Kg             |
| 156-59-2       | cis-1,2-Dichloroethene         | 0.76  | U         | 0.76 | 5.10       | ug/Kg             |
| 74-97-5        | Bromochloromethane             | 1.20  | U         | 1.20 | 5.10       | ug/Kg             |
| 67-66-3        | Chloroform                     | 0.85  | U         | 0.85 | 5.10       | ug/Kg             |
| 71-55-6        | 1,1,1-Trichloroethane          | 0.95  | U         | 0.95 | 5.10       | ug/Kg             |
| 108-87-2       | Methylcyclohexane              | 0.92  | U         | 0.92 | 5.10       | ug/Kg             |
| 71-43-2        | Benzene                        | 0.80  | U         | 0.80 | 5.10       | ug/Kg             |
| 107-06-2       | 1,2-Dichloroethane             | 0.80  | U         | 0.80 | 5.10       | ug/Kg             |
| 79-01-6        | Trichloroethene                | 0.82  | U         | 0.82 | 5.10       | ug/Kg             |
| 78-87-5        | 1,2-Dichloropropane            | 0.92  | U         | 0.92 | 5.10       | ug/Kg             |
| 75-27-4        | Bromodichloromethane           | 0.79  | U         | 0.79 | 5.10       | ug/Kg             |
| 108-10-1       | 4-Methyl-2-Pentanone           | 3.60  | U         | 3.60 | 25.4       | ug/Kg             |
| 108-88-3       | Toluene                        | 0.79  | U         | 0.79 | 5.10       | ug/Kg             |

### Report of Analysis

|                    |                 |           |                 |               |    |
|--------------------|-----------------|-----------|-----------------|---------------|----|
| Client:            | G Environmental |           | Date Collected: | 03/12/25      |    |
| Project:           | Ave L           |           | Date Received:  | 03/14/25      |    |
| Client Sample ID:  | WC1             |           | SDG No.:        | Q1574         |    |
| Lab Sample ID:     | Q1574-01        |           | Matrix:         | SOIL          |    |
| Analytical Method: | SW8260          |           | % Solid:        | 98            |    |
| Sample Wt/Vol:     | 5.02            | Units: g  | Final Vol:      | 5000          | uL |
| Soil Aliquot Vol:  |                 | uL        | Test:           | VOC-TCLVOA-10 |    |
| GC Column:         | RXI-624         | ID : 0.25 | Level :         | LOW           |    |
| Prep Method :      |                 |           |                 |               |    |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VY021549.D        | 1         |           | 03/17/25 14:26 | VY031725      |

| CAS Number                | Parameter                   | Conc.  | Qualifier | MDL                 | LOQ / CRQL | Units(Dry Weight) |
|---------------------------|-----------------------------|--------|-----------|---------------------|------------|-------------------|
| 10061-02-6                | t-1,3-Dichloropropene       | 0.66   | U         | 0.66                | 5.10       | ug/Kg             |
| 10061-01-5                | cis-1,3-Dichloropropene     | 0.63   | U         | 0.63                | 5.10       | ug/Kg             |
| 79-00-5                   | 1,1,2-Trichloroethane       | 0.94   | U         | 0.94                | 5.10       | ug/Kg             |
| 591-78-6                  | 2-Hexanone                  | 3.80   | U         | 3.80                | 25.4       | ug/Kg             |
| 124-48-1                  | Dibromochloromethane        | 0.88   | U         | 0.88                | 5.10       | ug/Kg             |
| 106-93-4                  | 1,2-Dibromoethane           | 0.89   | U         | 0.89                | 5.10       | ug/Kg             |
| 127-18-4                  | Tetrachloroethene           | 1.10   | U         | 1.10                | 5.10       | ug/Kg             |
| 108-90-7                  | Chlorobenzene               | 0.92   | U         | 0.92                | 5.10       | ug/Kg             |
| 100-41-4                  | Ethyl Benzene               | 0.68   | U         | 0.68                | 5.10       | ug/Kg             |
| 179601-23-1               | m/p-Xylenes                 | 1.30   | U         | 1.30                | 10.2       | ug/Kg             |
| 95-47-6                   | o-Xylene                    | 0.83   | U         | 0.83                | 5.10       | ug/Kg             |
| 100-42-5                  | Styrene                     | 0.72   | U         | 0.72                | 5.10       | ug/Kg             |
| 75-25-2                   | Bromoform                   | 0.87   | U         | 0.87                | 5.10       | ug/Kg             |
| 98-82-8                   | Isopropylbenzene            | 0.79   | U         | 0.79                | 5.10       | ug/Kg             |
| 79-34-5                   | 1,1,2,2-Tetrachloroethane   | 1.20   | U         | 1.20                | 5.10       | ug/Kg             |
| 541-73-1                  | 1,3-Dichlorobenzene         | 1.70   | U         | 1.70                | 5.10       | ug/Kg             |
| 106-46-7                  | 1,4-Dichlorobenzene         | 1.60   | U         | 1.60                | 5.10       | ug/Kg             |
| 95-50-1                   | 1,2-Dichlorobenzene         | 1.50   | U         | 1.50                | 5.10       | ug/Kg             |
| 96-12-8                   | 1,2-Dibromo-3-Chloropropane | 1.90   | U         | 1.90                | 5.10       | ug/Kg             |
| 120-82-1                  | 1,2,4-Trichlorobenzene      | 3.00   | U         | 3.00                | 5.10       | ug/Kg             |
| 87-61-6                   | 1,2,3-Trichlorobenzene      | 3.20   | U         | 3.20                | 5.10       | ug/Kg             |
| <b>SURROGATES</b>         |                             |        |           |                     |            |                   |
| 17060-07-0                | 1,2-Dichloroethane-d4       | 49.0   |           | 70 (63) - 130 (155) | 98%        | SPK: 50           |
| 1868-53-7                 | Dibromofluoromethane        | 53.6   |           | 70 (70) - 130 (134) | 107%       | SPK: 50           |
| 2037-26-5                 | Toluene-d8                  | 45.9   |           | 70 (74) - 130 (123) | 92%        | SPK: 50           |
| 460-00-4                  | 4-Bromofluorobenzene        | 30.1   | *         | 70 (38) - 130 (136) | 60%        | SPK: 50           |
| <b>INTERNAL STANDARDS</b> |                             |        |           |                     |            |                   |
| 363-72-4                  | Pentafluorobenzene          | 98900  | 7.707     |                     |            |                   |
| 540-36-3                  | 1,4-Difluorobenzene         | 155000 | 8.616     |                     |            |                   |
| 3114-55-4                 | Chlorobenzene-d5            | 117000 | 11.414    |                     |            |                   |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4      | 33500  | 13.347    |                     |            |                   |

## Report of Analysis

|                    |                                           |                 |                              |
|--------------------|-------------------------------------------|-----------------|------------------------------|
| Client:            | G Environmental                           | Date Collected: | 03/12/25                     |
| Project:           | Ave L                                     | Date Received:  | 03/14/25                     |
| Client Sample ID:  | WC1                                       | SDG No.:        | Q1574                        |
| Lab Sample ID:     | Q1574-01                                  | Matrix:         | SOIL                         |
| Analytical Method: | SW8260                                    | % Solid:        | 98                           |
| Sample Wt/Vol:     | 5.02      Units:    g                     | Final Vol:      | 5000                      uL |
| Soil Aliquot Vol:  | uL                                        | Test:           | VOC-TCLVOA-10                |
| GC Column:         | RXI-624                      ID :    0.25 | Level :         | LOW                          |
| Prep Method :      |                                           |                 |                              |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VY021549.D        | 1         |           | 03/17/25 14:26 | VY031725      |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|------------|-----------|-------|-----------|-----|------------|-------|
|------------|-----------|-------|-----------|-----|------------|-------|

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

### Report of Analysis

|                    |                 |           |                 |               |    |
|--------------------|-----------------|-----------|-----------------|---------------|----|
| Client:            | G Environmental |           | Date Collected: | 03/12/25      |    |
| Project:           | Ave L           |           | Date Received:  | 03/14/25      |    |
| Client Sample ID:  | WC1RE           |           | SDG No.:        | Q1574         |    |
| Lab Sample ID:     | Q1574-01RE      |           | Matrix:         | SOIL          |    |
| Analytical Method: | SW8260          |           | % Solid:        | 98            |    |
| Sample Wt/Vol:     | 5.08            | Units: g  | Final Vol:      | 5000          | uL |
| Soil Aliquot Vol:  |                 | uL        | Test:           | VOC-TCLVOA-10 |    |
| GC Column:         | RXI-624         | ID : 0.25 | Level :         | LOW           |    |
| Prep Method :      |                 |           |                 |               |    |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VY021552.D        | 1         |           | 03/17/25 15:55 | VY031725      |

| CAS Number     | Parameter                      | Conc. | Qualifier | MDL  | LOQ / CRQL | Units(Dry Weight) |
|----------------|--------------------------------|-------|-----------|------|------------|-------------------|
| <b>TARGETS</b> |                                |       |           |      |            |                   |
| 75-71-8        | Dichlorodifluoromethane        | 1.10  | U         | 1.10 | 5.00       | ug/Kg             |
| 74-87-3        | Chloromethane                  | 1.10  | U         | 1.10 | 5.00       | ug/Kg             |
| 75-01-4        | Vinyl Chloride                 | 0.79  | U         | 0.79 | 5.00       | ug/Kg             |
| 74-83-9        | Bromomethane                   | 1.10  | U         | 1.10 | 5.00       | ug/Kg             |
| 75-00-3        | Chloroethane                   | 1.30  | U         | 1.30 | 5.00       | ug/Kg             |
| 75-69-4        | Trichlorofluoromethane         | 1.60  | J         | 1.20 | 5.00       | ug/Kg             |
| 76-13-1        | 1,1,2-Trichlorotrifluoroethane | 1.10  | U         | 1.10 | 5.00       | ug/Kg             |
| 75-35-4        | 1,1-Dichloroethene             | 1.00  | U         | 1.00 | 5.00       | ug/Kg             |
| 67-64-1        | Acetone                        | 6.60  | JQ        | 4.80 | 25.1       | ug/Kg             |
| 75-15-0        | Carbon Disulfide               | 1.10  | U         | 1.10 | 5.00       | ug/Kg             |
| 1634-04-4      | Methyl tert-butyl Ether        | 0.73  | U         | 0.73 | 5.00       | ug/Kg             |
| 79-20-9        | Methyl Acetate                 | 1.50  | U         | 1.50 | 5.00       | ug/Kg             |
| 75-09-2        | Methylene Chloride             | 3.50  | U         | 3.50 | 10.0       | ug/Kg             |
| 156-60-5       | trans-1,2-Dichloroethene       | 0.86  | U         | 0.86 | 5.00       | ug/Kg             |
| 75-34-3        | 1,1-Dichloroethane             | 0.80  | U         | 0.80 | 5.00       | ug/Kg             |
| 110-82-7       | Cyclohexane                    | 0.79  | U         | 0.79 | 5.00       | ug/Kg             |
| 78-93-3        | 2-Butanone                     | 6.60  | U         | 6.60 | 25.1       | ug/Kg             |
| 56-23-5        | Carbon Tetrachloride           | 0.97  | U         | 0.97 | 5.00       | ug/Kg             |
| 156-59-2       | cis-1,2-Dichloroethene         | 0.75  | U         | 0.75 | 5.00       | ug/Kg             |
| 74-97-5        | Bromochloromethane             | 1.20  | U         | 1.20 | 5.00       | ug/Kg             |
| 67-66-3        | Chloroform                     | 0.84  | U         | 0.84 | 5.00       | ug/Kg             |
| 71-55-6        | 1,1,1-Trichloroethane          | 0.93  | U         | 0.93 | 5.00       | ug/Kg             |
| 108-87-2       | Methylcyclohexane              | 0.91  | U         | 0.91 | 5.00       | ug/Kg             |
| 71-43-2        | Benzene                        | 0.79  | U         | 0.79 | 5.00       | ug/Kg             |
| 107-06-2       | 1,2-Dichloroethane             | 0.79  | U         | 0.79 | 5.00       | ug/Kg             |
| 79-01-6        | Trichloroethene                | 0.81  | U         | 0.81 | 5.00       | ug/Kg             |
| 78-87-5        | 1,2-Dichloropropane            | 0.91  | U         | 0.91 | 5.00       | ug/Kg             |
| 75-27-4        | Bromodichloromethane           | 0.78  | U         | 0.78 | 5.00       | ug/Kg             |
| 108-10-1       | 4-Methyl-2-Pentanone           | 3.60  | U         | 3.60 | 25.1       | ug/Kg             |
| 108-88-3       | Toluene                        | 0.78  | U         | 0.78 | 5.00       | ug/Kg             |

### Report of Analysis

|                    |                 |           |                 |               |    |
|--------------------|-----------------|-----------|-----------------|---------------|----|
| Client:            | G Environmental |           | Date Collected: | 03/12/25      |    |
| Project:           | Ave L           |           | Date Received:  | 03/14/25      |    |
| Client Sample ID:  | WC1RE           |           | SDG No.:        | Q1574         |    |
| Lab Sample ID:     | Q1574-01RE      |           | Matrix:         | SOIL          |    |
| Analytical Method: | SW8260          |           | % Solid:        | 98            |    |
| Sample Wt/Vol:     | 5.08            | Units: g  | Final Vol:      | 5000          | uL |
| Soil Aliquot Vol:  |                 | uL        | Test:           | VOC-TCLVOA-10 |    |
| GC Column:         | RXI-624         | ID : 0.25 | Level :         | LOW           |    |
| Prep Method :      |                 |           |                 |               |    |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VY021552.D        | 1         |           | 03/17/25 15:55 | VY031725      |

| CAS Number                | Parameter                   | Conc.  | Qualifier | MDL                 | LOQ / CRQL | Units(Dry Weight) |
|---------------------------|-----------------------------|--------|-----------|---------------------|------------|-------------------|
| 10061-02-6                | t-1,3-Dichloropropene       | 0.65   | U         | 0.65                | 5.00       | ug/Kg             |
| 10061-01-5                | cis-1,3-Dichloropropene     | 0.62   | U         | 0.62                | 5.00       | ug/Kg             |
| 79-00-5                   | 1,1,2-Trichloroethane       | 0.92   | U         | 0.92                | 5.00       | ug/Kg             |
| 591-78-6                  | 2-Hexanone                  | 3.70   | U         | 3.70                | 25.1       | ug/Kg             |
| 124-48-1                  | Dibromochloromethane        | 0.87   | U         | 0.87                | 5.00       | ug/Kg             |
| 106-93-4                  | 1,2-Dibromoethane           | 0.88   | U         | 0.88                | 5.00       | ug/Kg             |
| 127-18-4                  | Tetrachloroethene           | 1.10   | U         | 1.10                | 5.00       | ug/Kg             |
| 108-90-7                  | Chlorobenzene               | 0.91   | U         | 0.91                | 5.00       | ug/Kg             |
| 100-41-4                  | Ethyl Benzene               | 0.67   | U         | 0.67                | 5.00       | ug/Kg             |
| 179601-23-1               | m/p-Xylenes                 | 1.20   | U         | 1.20                | 10.0       | ug/Kg             |
| 95-47-6                   | o-Xylene                    | 0.82   | U         | 0.82                | 5.00       | ug/Kg             |
| 100-42-5                  | Styrene                     | 0.71   | U         | 0.71                | 5.00       | ug/Kg             |
| 75-25-2                   | Bromoform                   | 0.86   | U         | 0.86                | 5.00       | ug/Kg             |
| 98-82-8                   | Isopropylbenzene            | 0.78   | U         | 0.78                | 5.00       | ug/Kg             |
| 79-34-5                   | 1,1,2,2-Tetrachloroethane   | 1.20   | U         | 1.20                | 5.00       | ug/Kg             |
| 541-73-1                  | 1,3-Dichlorobenzene         | 1.70   | U         | 1.70                | 5.00       | ug/Kg             |
| 106-46-7                  | 1,4-Dichlorobenzene         | 1.60   | U         | 1.60                | 5.00       | ug/Kg             |
| 95-50-1                   | 1,2-Dichlorobenzene         | 1.50   | U         | 1.50                | 5.00       | ug/Kg             |
| 96-12-8                   | 1,2-Dibromo-3-Chloropropane | 1.80   | U         | 1.80                | 5.00       | ug/Kg             |
| 120-82-1                  | 1,2,4-Trichlorobenzene      | 3.00   | U         | 3.00                | 5.00       | ug/Kg             |
| 87-61-6                   | 1,2,3-Trichlorobenzene      | 3.20   | U         | 3.20                | 5.00       | ug/Kg             |
| <b>SURROGATES</b>         |                             |        |           |                     |            |                   |
| 17060-07-0                | 1,2-Dichloroethane-d4       | 54.7   |           | 70 (63) - 130 (155) | 109%       | SPK: 50           |
| 1868-53-7                 | Dibromofluoromethane        | 53.8   |           | 70 (70) - 130 (134) | 108%       | SPK: 50           |
| 2037-26-5                 | Toluene-d8                  | 46.9   |           | 70 (74) - 130 (123) | 94%        | SPK: 50           |
| 460-00-4                  | 4-Bromofluorobenzene        | 32.8   | *         | 70 (38) - 130 (136) | 66%        | SPK: 50           |
| <b>INTERNAL STANDARDS</b> |                             |        |           |                     |            |                   |
| 363-72-4                  | Pentafluorobenzene          | 141000 | 7.707     |                     |            |                   |
| 540-36-3                  | 1,4-Difluorobenzene         | 241000 | 8.616     |                     |            |                   |
| 3114-55-4                 | Chlorobenzene-d5            | 191000 | 11.414    |                     |            |                   |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4      | 59400  | 13.346    |                     |            |                   |

## Report of Analysis

|                    |                 |           |                 |               |    |
|--------------------|-----------------|-----------|-----------------|---------------|----|
| Client:            | G Environmental |           | Date Collected: | 03/12/25      |    |
| Project:           | Ave L           |           | Date Received:  | 03/14/25      |    |
| Client Sample ID:  | WC1RE           |           | SDG No.:        | Q1574         |    |
| Lab Sample ID:     | Q1574-01RE      |           | Matrix:         | SOIL          |    |
| Analytical Method: | SW8260          |           | % Solid:        | 98            |    |
| Sample Wt/Vol:     | 5.08            | Units: g  | Final Vol:      | 5000          | uL |
| Soil Aliquot Vol:  |                 | uL        | Test:           | VOC-TCLVOA-10 |    |
| GC Column:         | RXI-624         | ID : 0.25 | Level :         | LOW           |    |
| Prep Method :      |                 |           |                 |               |    |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VY021552.D        | 1         |           | 03/17/25 15:55 | VY031725      |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|------------|-----------|-------|-----------|-----|------------|-------|
|------------|-----------|-------|-----------|-----|------------|-------|

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products



# QC SUMMARY

### Surrogate Summary

SDG No.: **Q1574**

Client: **G Environmental**

Analytical Method: **SW8260D**

| Lab Sample ID | Client ID    | Parameter             | Spike | Result | RecoveryQual | Limits  |           |
|---------------|--------------|-----------------------|-------|--------|--------------|---------|-----------|
|               |              |                       |       |        |              | Low     | High      |
| Q1574-01      | WC1          | 1,2-Dichloroethane-d4 | 50    | 49.0   | 98           | 70 (63) | 130 (155) |
|               |              | Dibromofluoromethane  | 50    | 53.6   | 107          | 70 (70) | 130 (134) |
|               |              | Toluene-d8            | 50    | 45.9   | 92           | 70 (74) | 130 (123) |
|               |              | 4-Bromofluorobenzene  | 50    | 30.1   | 60 *         | 70 (38) | 130 (136) |
| Q1574-01RE    | WC1RE        | 1,2-Dichloroethane-d4 | 50    | 54.7   | 109          | 70 (63) | 130 (155) |
|               |              | Dibromofluoromethane  | 50    | 53.9   | 108          | 70 (70) | 130 (134) |
|               |              | Toluene-d8            | 50    | 46.9   | 94           | 70 (74) | 130 (123) |
|               |              | 4-Bromofluorobenzene  | 50    | 32.8   | 66 *         | 70 (38) | 130 (136) |
| VY0317SBL01   | VY0317SBL01  | 1,2-Dichloroethane-d4 | 50    | 52.5   | 105          | 70 (63) | 130 (155) |
|               |              | Dibromofluoromethane  | 50    | 50.1   | 100          | 70 (70) | 130 (134) |
|               |              | Toluene-d8            | 50    | 48.2   | 96           | 70 (74) | 130 (123) |
|               |              | 4-Bromofluorobenzene  | 50    | 41.1   | 82           | 70 (38) | 130 (136) |
| VY0317SBS01   | VY0317SBS01  | 1,2-Dichloroethane-d4 | 50    | 52.0   | 104          | 70 (63) | 130 (155) |
|               |              | Dibromofluoromethane  | 50    | 51.5   | 103          | 70 (70) | 130 (134) |
|               |              | Toluene-d8            | 50    | 50.2   | 100          | 70 (74) | 130 (123) |
|               |              | 4-Bromofluorobenzene  | 50    | 50.7   | 101          | 70 (38) | 130 (136) |
| VY0317SBSD01  | VY0317SBSD01 | 1,2-Dichloroethane-d4 | 50    | 51.5   | 103          | 70 (63) | 130 (155) |
|               |              | Dibromofluoromethane  | 50    | 50.8   | 102          | 70 (70) | 130 (134) |
|               |              | Toluene-d8            | 50    | 50.3   | 101          | 70 (74) | 130 (123) |
|               |              | 4-Bromofluorobenzene  | 50    | 50.3   | 101          | 70 (38) | 130 (136) |



Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1574

Client: G Environmental

Analytical Method: SW8260D

Datafile : VY021545.D

| Lab Sample ID | Parameter                      | Spike | Result | Unit  | Rec | RPD | Qual | Low     | Limits<br>High | RPD |
|---------------|--------------------------------|-------|--------|-------|-----|-----|------|---------|----------------|-----|
| VY0317SBS01   | Dichlorodifluoromethane        | 20    | 19.3   | ug/Kg | 97  |     |      | 40 (64) | 160 (136)      |     |
|               | Chloromethane                  | 20    | 19.8   | ug/Kg | 99  |     |      | 40 (70) | 160 (130)      |     |
|               | Vinyl chloride                 | 20    | 21.2   | ug/Kg | 106 |     |      | 70 (72) | 130 (129)      |     |
|               | Bromomethane                   | 20    | 20.4   | ug/Kg | 102 |     |      | 40 (58) | 160 (141)      |     |
|               | Chloroethane                   | 20    | 23.1   | ug/Kg | 116 |     |      | 40 (69) | 160 (130)      |     |
|               | Trichlorofluoromethane         | 20    | 24.4   | ug/Kg | 122 |     |      | 40 (69) | 160 (134)      |     |
|               | 1,1,2-Trichlorotrifluoroethane | 20    | 21.4   | ug/Kg | 107 |     |      | 70 (81) | 130 (123)      |     |
|               | 1,1-Dichloroethene             | 20    | 20.9   | ug/Kg | 104 |     |      | 70 (79) | 130 (121)      |     |
|               | Acetone                        | 100   | 170    | ug/Kg | 170 | *   |      | 40 (60) | 160 (131)      |     |
|               | Carbon disulfide               | 20    | 18.8   | ug/Kg | 94  |     |      | 40 (45) | 160 (154)      |     |
|               | Methyl tert-butyl Ether        | 20    | 21.6   | ug/Kg | 108 |     |      | 70 (77) | 130 (129)      |     |
|               | Methyl Acetate                 | 20    | 22.9   | ug/Kg | 115 |     |      | 70 (69) | 130 (149)      |     |
|               | Methylene Chloride             | 20    | 21.1   | ug/Kg | 106 |     |      | 70 (56) | 130 (174)      |     |
|               | trans-1,2-Dichloroethene       | 20    | 19.9   | ug/Kg | 100 |     |      | 70 (80) | 130 (123)      |     |
|               | 1,1-Dichloroethane             | 20    | 20.7   | ug/Kg | 104 |     |      | 70 (82) | 130 (123)      |     |
|               | Cyclohexane                    | 20    | 19.0   | ug/Kg | 95  |     |      | 70 (76) | 130 (122)      |     |
|               | 2-Butanone                     | 100   | 140    | ug/Kg | 140 |     |      | 40 (69) | 160 (131)      |     |
|               | Carbon Tetrachloride           | 20    | 20.8   | ug/Kg | 104 |     |      | 70 (76) | 130 (129)      |     |
|               | cis-1,2-Dichloroethene         | 20    | 20.6   | ug/Kg | 103 |     |      | 70 (82) | 130 (123)      |     |
|               | Bromochloromethane             | 20    | 20.7   | ug/Kg | 104 |     |      | 70 (80) | 130 (127)      |     |
|               | Chloroform                     | 20    | 21.3   | ug/Kg | 106 |     |      | 70 (82) | 130 (125)      |     |
|               | 1,1,1-Trichloroethane          | 20    | 20.8   | ug/Kg | 104 |     |      | 70 (80) | 130 (126)      |     |
|               | Methylcyclohexane              | 20    | 19.3   | ug/Kg | 97  |     |      | 70 (77) | 130 (123)      |     |
|               | Benzene                        | 20    | 20.9   | ug/Kg | 104 |     |      | 70 (84) | 130 (121)      |     |
|               | 1,2-Dichloroethane             | 20    | 21.9   | ug/Kg | 110 |     |      | 70 (81) | 130 (126)      |     |
|               | Trichloroethene                | 20    | 20.9   | ug/Kg | 104 |     |      | 70 (83) | 130 (122)      |     |
|               | 1,2-Dichloropropane            | 20    | 21.2   | ug/Kg | 106 |     |      | 70 (83) | 130 (122)      |     |
|               | Bromodichloromethane           | 20    | 21.3   | ug/Kg | 106 |     |      | 70 (82) | 130 (123)      |     |
|               | 4-Methyl-2-Pentanone           | 100   | 120    | ug/Kg | 120 |     |      | 40 (70) | 160 (135)      |     |
|               | Toluene                        | 20    | 20.7   | ug/Kg | 104 |     |      | 70 (83) | 130 (122)      |     |
|               | t-1,3-Dichloropropene          | 20    | 21.4   | ug/Kg | 107 |     |      | 70 (78) | 130 (124)      |     |
|               | cis-1,3-Dichloropropene        | 20    | 21.5   | ug/Kg | 108 |     |      | 70 (81) | 130 (122)      |     |
|               | 1,1,2-Trichloroethane          | 20    | 22.3   | ug/Kg | 112 |     |      | 70 (82) | 130 (125)      |     |
|               | 2-Hexanone                     | 100   | 130    | ug/Kg | 130 |     |      | 40 (66) | 160 (138)      |     |
|               | Dibromochloromethane           | 20    | 22.1   | ug/Kg | 111 |     |      | 70 (79) | 130 (125)      |     |
|               | 1,2-Dibromoethane              | 20    | 21.4   | ug/Kg | 107 |     |      | 70 (80) | 130 (125)      |     |
|               | Tetrachloroethene              | 20    | 24.4   | ug/Kg | 122 |     |      | 70 (83) | 130 (125)      |     |
|               | Chlorobenzene                  | 20    | 20.6   | ug/Kg | 103 |     |      | 70 (84) | 130 (122)      |     |
|               | Ethyl Benzene                  | 20    | 20.0   | ug/Kg | 100 |     |      | 70 (82) | 130 (124)      |     |
|               | m/p-Xylenes                    | 40    | 40.8   | ug/Kg | 102 |     |      | 70 (83) | 130 (124)      |     |
|               | o-Xylene                       | 20    | 20.1   | ug/Kg | 101 |     |      | 70 (83) | 130 (123)      |     |
|               | Styrene                        | 20    | 20.5   | ug/Kg | 103 |     |      | 70 (82) | 130 (124)      |     |
|               | Bromoform                      | 20    | 22.5   | ug/Kg | 113 |     |      | 70 (75) | 130 (127)      |     |
|               | Isopropylbenzene               | 20    | 19.9   | ug/Kg | 100 |     |      | 70 (82) | 130 (124)      |     |
|               | 1,1,2,2-Tetrachloroethane      | 20    | 21.1   | ug/Kg | 106 |     |      | 70 (77) | 130 (127)      |     |
|               | 1,3-Dichlorobenzene            | 20    | 20.0   | ug/Kg | 100 |     |      | 70 (83) | 130 (122)      |     |
|               | 1,4-Dichlorobenzene            | 20    | 20.4   | ug/Kg | 102 |     |      | 70 (84) | 130 (121)      |     |
|               | 1,2-Dichlorobenzene            | 20    | 21.0   | ug/Kg | 105 |     |      | 70 (83) | 130 (124)      |     |

() = LABORATORY INHOUSE LIMIT

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

**SW-846**

**SDG No.:** Q1574

**Client:** G Environmental

**Analytical Method:** SW8260D

**Datafile :** VY021545.D

| Lab Sample ID | Parameter                   | Spike | Result | Unit  | Rec | RPD | Qual | Low     | Limits<br>High | RPD |
|---------------|-----------------------------|-------|--------|-------|-----|-----|------|---------|----------------|-----|
| VY0317SBS01   | 1,2-Dibromo-3-Chloropropane | 20    | 20.9   | ug/Kg | 104 |     |      | 40 (66) | 160 (134)      |     |
|               | 1,2,4-Trichlorobenzene      | 20    | 20.1   | ug/Kg | 101 |     |      | 70 (78) | 130 (127)      |     |
|               | 1,2,3-Trichlorobenzene      | 20    | 20.8   | ug/Kg | 104 |     |      | 70 (70) | 130 (137)      |     |

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1574

Client: G Environmental

Analytical Method: SW8260D

Datafile : VY021546.D

| Lab Sample ID | Parameter                      | Spike | Result | Unit  | Rec | RPD | Qual | Low     | Limits High | RPD     |
|---------------|--------------------------------|-------|--------|-------|-----|-----|------|---------|-------------|---------|
| VY0317SBSD01  | Dichlorodifluoromethane        | 20    | 16.2   | ug/Kg | 81  | 18  |      | 40 (64) | 160 (136)   | 30 (20) |
|               | Chloromethane                  | 20    | 17.0   | ug/Kg | 85  | 15  |      | 40 (70) | 160 (130)   | 30 (20) |
|               | Vinyl chloride                 | 20    | 18.2   | ug/Kg | 91  | 15  |      | 70 (72) | 130 (129)   | 30 (20) |
|               | Bromomethane                   | 20    | 17.8   | ug/Kg | 89  | 14  |      | 40 (58) | 160 (141)   | 30 (20) |
|               | Chloroethane                   | 20    | 18.4   | ug/Kg | 92  | 23  |      | 40 (69) | 160 (130)   | 30 (20) |
|               | Trichlorofluoromethane         | 20    | 17.8   | ug/Kg | 89  | 31  | *    | 40 (69) | 160 (134)   | 30 (20) |
|               | 1,1,2-Trichlorotrifluoroethane | 20    | 17.9   | ug/Kg | 90  | 17  |      | 70 (81) | 130 (123)   | 30 (20) |
|               | 1,1-Dichloroethene             | 20    | 17.0   | ug/Kg | 85  | 20  |      | 70 (79) | 130 (121)   | 30 (20) |
|               | Acetone                        | 100   | 120    | ug/Kg | 120 | 34  | *    | 40 (60) | 160 (131)   | 30 (20) |
|               | Carbon disulfide               | 20    | 15.7   | ug/Kg | 79  | 17  |      | 40 (45) | 160 (154)   | 30 (20) |
|               | Methyl tert-butyl Ether        | 20    | 17.9   | ug/Kg | 90  | 18  |      | 70 (77) | 130 (129)   | 30 (20) |
|               | Methyl Acetate                 | 20    | 20.0   | ug/Kg | 100 | 14  |      | 70 (69) | 130 (149)   | 30 (20) |
|               | Methylene Chloride             | 20    | 18.1   | ug/Kg | 91  | 15  |      | 70 (56) | 130 (174)   | 30 (20) |
|               | trans-1,2-Dichloroethene       | 20    | 17.3   | ug/Kg | 86  | 15  |      | 70 (80) | 130 (123)   | 30 (20) |
|               | 1,1-Dichloroethane             | 20    | 18.1   | ug/Kg | 91  | 13  |      | 70 (82) | 130 (123)   | 30 (20) |
|               | Cyclohexane                    | 20    | 15.8   | ug/Kg | 79  | 18  |      | 70 (76) | 130 (122)   | 30 (20) |
|               | 2-Butanone                     | 100   | 100    | ug/Kg | 100 | 33  | *    | 40 (69) | 160 (131)   | 30 (20) |
|               | Carbon Tetrachloride           | 20    | 17.5   | ug/Kg | 88  | 17  |      | 70 (76) | 130 (129)   | 30 (20) |
|               | cis-1,2-Dichloroethene         | 20    | 17.6   | ug/Kg | 88  | 16  |      | 70 (82) | 130 (123)   | 30 (20) |
|               | Bromochloromethane             | 20    | 20.0   | ug/Kg | 100 | 4   |      | 70 (80) | 130 (127)   | 30 (20) |
|               | Chloroform                     | 20    | 18.1   | ug/Kg | 91  | 15  |      | 70 (82) | 130 (125)   | 30 (20) |
|               | 1,1,1-Trichloroethane          | 20    | 17.5   | ug/Kg | 88  | 17  |      | 70 (80) | 130 (126)   | 30 (20) |
|               | Methylcyclohexane              | 20    | 16.1   | ug/Kg | 81  | 18  |      | 70 (77) | 130 (123)   | 30 (20) |
|               | Benzene                        | 20    | 17.6   | ug/Kg | 88  | 17  |      | 70 (84) | 130 (121)   | 30 (20) |
|               | 1,2-Dichloroethane             | 20    | 18.4   | ug/Kg | 92  | 18  |      | 70 (81) | 130 (126)   | 30 (20) |
|               | Trichloroethene                | 20    | 18.0   | ug/Kg | 90  | 14  |      | 70 (83) | 130 (122)   | 30 (20) |
|               | 1,2-Dichloropropane            | 20    | 18.0   | ug/Kg | 90  | 16  |      | 70 (83) | 130 (122)   | 30 (20) |
|               | Bromodichloromethane           | 20    | 18.4   | ug/Kg | 92  | 14  |      | 70 (82) | 130 (123)   | 30 (20) |
|               | 4-Methyl-2-Pentanone           | 100   | 95.8   | ug/Kg | 96  | 22  |      | 40 (70) | 160 (135)   | 30 (20) |
|               | Toluene                        | 20    | 17.4   | ug/Kg | 87  | 18  |      | 70 (83) | 130 (122)   | 30 (20) |
|               | t-1,3-Dichloropropene          | 20    | 18.4   | ug/Kg | 92  | 15  |      | 70 (78) | 130 (124)   | 30 (20) |
|               | cis-1,3-Dichloropropene        | 20    | 18.2   | ug/Kg | 91  | 17  |      | 70 (81) | 130 (122)   | 30 (20) |
|               | 1,1,2-Trichloroethane          | 20    | 19.2   | ug/Kg | 96  | 15  |      | 70 (82) | 130 (125)   | 30 (20) |
|               | 2-Hexanone                     | 100   | 100    | ug/Kg | 100 | 26  |      | 40 (66) | 160 (138)   | 30 (20) |
|               | Dibromochloromethane           | 20    | 18.7   | ug/Kg | 94  | 17  |      | 70 (79) | 130 (125)   | 30 (20) |
|               | 1,2-Dibromoethane              | 20    | 18.2   | ug/Kg | 91  | 16  |      | 70 (80) | 130 (125)   | 30 (20) |
|               | Tetrachloroethene              | 20    | 20.6   | ug/Kg | 103 | 17  |      | 70 (83) | 130 (125)   | 30 (20) |
|               | Chlorobenzene                  | 20    | 17.9   | ug/Kg | 90  | 13  |      | 70 (84) | 130 (122)   | 30 (20) |
|               | Ethyl Benzene                  | 20    | 17.2   | ug/Kg | 86  | 15  |      | 70 (82) | 130 (124)   | 30 (20) |
|               | m/p-Xylenes                    | 40    | 34.6   | ug/Kg | 86  | 17  |      | 70 (83) | 130 (124)   | 30 (20) |
|               | o-Xylene                       | 20    | 17.4   | ug/Kg | 87  | 15  |      | 70 (83) | 130 (123)   | 30 (20) |
|               | Styrene                        | 20    | 17.6   | ug/Kg | 88  | 16  |      | 70 (82) | 130 (124)   | 30 (20) |
|               | Bromoform                      | 20    | 18.8   | ug/Kg | 94  | 18  |      | 70 (75) | 130 (127)   | 30 (20) |
|               | Isopropylbenzene               | 20    | 16.7   | ug/Kg | 84  | 17  |      | 70 (82) | 130 (124)   | 30 (20) |
|               | 1,1,2,2-Tetrachloroethane      | 20    | 17.5   | ug/Kg | 88  | 19  |      | 70 (77) | 130 (127)   | 30 (20) |
|               | 1,3-Dichlorobenzene            | 20    | 17.1   | ug/Kg | 86  | 15  |      | 70 (83) | 130 (122)   | 30 (20) |
|               | 1,4-Dichlorobenzene            | 20    | 17.4   | ug/Kg | 87  | 16  |      | 70 (84) | 130 (121)   | 30 (20) |
|               | 1,2-Dichlorobenzene            | 20    | 17.6   | ug/Kg | 88  | 18  |      | 70 (83) | 130 (124)   | 30 (20) |

() = LABORATORY INHOUSE LIMIT

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

**SW-846**

**SDG No.:** Q1574

**Client:** G Environmental

**Analytical Method:** SW8260D

**Datafile :** VY021546.D

| Lab Sample ID | Parameter                   | Spike | Result | Unit  | Rec | RPD | Qual | Low     | Limits<br>High | RPD     |
|---------------|-----------------------------|-------|--------|-------|-----|-----|------|---------|----------------|---------|
| VY0317SBSD01  | 1,2-Dibromo-3-Chloropropane | 20    | 18.1   | ug/Kg | 91  | 13  |      | 40 (66) | 160 (134)      | 30 (20) |
|               | 1,2,4-Trichlorobenzene      | 20    | 17.1   | ug/Kg | 86  | 16  |      | 70 (78) | 130 (127)      | 30 (20) |
|               | 1,2,3-Trichlorobenzene      | 20    | 17.8   | ug/Kg | 89  | 16  |      | 70 (70) | 130 (137)      | 30 (20) |

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VY0317SBL01

Lab Name: CHEMTECH

Contract: GENV01

Lab Code: CHEM Case No.: Q1574

SAS No.: Q1574 SDG NO.: Q1574

Lab File ID: VY021544.D

Lab Sample ID: VY0317SBL01

Date Analyzed: 03/17/2025

Time Analyzed: 10:39

GC Column: RXI-624 ID: 0.25 (mm)

Heated Purge: (Y/N) Y

Instrument ID: MSVOA\_Y

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 |
|-------------------|------------------|----------------|------------------|
| VY0317SBS01       | VY0317SBS01      | VY021545.D     | 03/17/2025       |
| VY0317SBSD01      | VY0317SBSD01     | VY021546.D     | 03/17/2025       |
| WC1               | Q1574-01         | VY021549.D     | 03/17/2025       |
| WC1RE             | Q1574-01RE       | VY021552.D     | 03/17/2025       |

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

\_\_\_\_\_

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK  
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: GENV01  
Lab Code: CHEM Case No.: Q1574 SAS No.: Q1574 SDG NO.: Q1574  
Lab File ID: VY021395.D BFB Injection Date: 03/04/2025  
Instrument ID: MSVOA\_Y BFB Injection Time: 08:52  
GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N Y

| m/e | ION ABUNDANCE CRITERIA             | % RELATIVE ABUNDANCE |
|-----|------------------------------------|----------------------|
| 50  | 15.0 - 40.0% of mass 95            | 20.6                 |
| 75  | 30.0 - 60.0% of mass 95            | 54.3                 |
| 95  | Base Peak, 100% relative abundance | 100                  |
| 96  | 5.0 - 9.0% of mass 95              | 6.7                  |
| 173 | Less than 2.0% of mass 174         | 1.4 ( 1.8 ) 1        |
| 174 | 50.0 - 100.0% of mass 95           | 77.8                 |
| 175 | 5.0 - 9.0% of mass 174             | 6.6 ( 8.4 ) 1        |
| 176 | 95.0 - 101.0% of mass 174          | 75.7 ( 97.2 ) 1      |
| 177 | 5.0 - 9.0% of mass 176             | 5 ( 6.6 ) 2          |

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

| EPA<br>SAMPLE NO. | LAB<br>SAMPLE ID | LAB<br>FILE ID | DATE<br>ANALYZED | TIME<br>ANALYZED |
|-------------------|------------------|----------------|------------------|------------------|
| VSTDIC010         | VSTDIC010        | VY021397.D     | 03/04/2025       | 09:46            |
| VSTDIC020         | VSTDIC020        | VY021398.D     | 03/04/2025       | 10:09            |
| VSTDIC050         | VSTDIC050        | VY021399.D     | 03/04/2025       | 10:30            |
| VSTDIC100         | VSTDIC100        | VY021400.D     | 03/04/2025       | 11:06            |
| VSTDIC150         | VSTDIC150        | VY021401.D     | 03/04/2025       | 11:29            |
| VSTDIC005         | VSTDIC005        | VY021403.D     | 03/04/2025       | 12:15            |

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK  
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: GENV01  
Lab Code: CHEM Case No.: Q1574 SAS No.: Q1574 SDG NO.: Q1574  
Lab File ID: VY021542.D BFB Injection Date: 03/17/2025  
Instrument ID: MSVOA\_Y BFB Injection Time: 09:26  
GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N Y

| m/e | ION ABUNDANCE CRITERIA             | % RELATIVE ABUNDANCE |
|-----|------------------------------------|----------------------|
| 50  | 15.0 - 40.0% of mass 95            | 20.9                 |
| 75  | 30.0 - 60.0% of mass 95            | 53.8                 |
| 95  | Base Peak, 100% relative abundance | 100                  |
| 96  | 5.0 - 9.0% of mass 95              | 6.8                  |
| 173 | Less than 2.0% of mass 174         | 1 ( 1.2 ) 1          |
| 174 | 50.0 - 100.0% of mass 95           | 80.8                 |
| 175 | 5.0 - 9.0% of mass 174             | 6.4 ( 7.9 ) 1        |
| 176 | 95.0 - 101.0% of mass 174          | 77.4 ( 95.8 ) 1      |
| 177 | 5.0 - 9.0% of mass 176             | 5.2 ( 6.7 ) 2        |

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

| EPA<br>SAMPLE NO. | LAB<br>SAMPLE ID | LAB<br>FILE ID | DATE<br>ANALYZED | TIME<br>ANALYZED |
|-------------------|------------------|----------------|------------------|------------------|
| VSTDCCC050        | VSTDCCC050       | VY021543.D     | 03/17/2025       | 10:04            |
| VY0317SBL01       | VY0317SBL01      | VY021544.D     | 03/17/2025       | 10:39            |
| VY0317SBS01       | VY0317SBS01      | VY021545.D     | 03/17/2025       | 12:49            |
| VY0317SBSD01      | VY0317SBSD01     | VY021546.D     | 03/17/2025       | 13:12            |
| WC1               | Q1574-01         | VY021549.D     | 03/17/2025       | 14:26            |
| WC1RE             | Q1574-01RE       | VY021552.D     | 03/17/2025       | 15:55            |

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: GENV01  
Lab Code: CHEM Case No.: Q1574 SAS No.: Q1574 SDG NO.: Q1574  
Lab File ID: VY021543.D Date Analyzed: 03/17/2025  
Instrument ID: MSVOA\_Y Time Analyzed: 10:04  
GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

|                | IS1<br>AREA # | RT #  | IS2<br>AREA # | RT #  | IS3<br>AREA # | RT #  |
|----------------|---------------|-------|---------------|-------|---------------|-------|
| 12 HOUR STD    | 202760        | 7.71  | 316994        | 8.62  | 284592        | 11.42 |
| UPPER LIMIT    | 405520        | 8.207 | 633988        | 9.116 | 569184        | 11.92 |
| LOWER LIMIT    | 101380        | 7.207 | 158497        | 8.116 | 142296        | 10.92 |
| EPA SAMPLE NO. |               |       |               |       |               |       |
| WC1            | 98896 *       | 7.71  | 155221 *      | 8.62  | 116517 *      | 11.41 |
| WC1RE          | 140963        | 7.71  | 240910        | 8.62  | 190816        | 11.41 |
| VY0317SBL01    | 272314        | 7.71  | 493002        | 8.62  | 420924        | 11.41 |
| VY0317SBS01    | 209203        | 7.71  | 320346        | 8.62  | 284395        | 11.42 |
| VY0317SBSD01   | 219903        | 7.71  | 338794        | 8.62  | 299964        | 11.41 |

IS1 = Pentafluorobenzene  
IS2 = 1,4-Difluorobenzene  
IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area  
AREA LOWER LIMIT = -50% of internal standard area  
RT UPPER LIMIT = +0.50 minutes of internal standard RT  
RT LOWER LIMIT = -0.50 minutes of internal standard RT

# Column used to flag values outside QC limits with an asterisk.  
\* Values outside of QC limits.



VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: GENV01  
 Lab Code: CHEM Case No.: Q1574 SAS No.: Q1574 SDG NO.: Q1574  
 Lab File ID: VY021543.D Date Analyzed: 03/17/2025  
 Instrument ID: MSVOA\_Y Time Analyzed: 10:04  
 GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

|                | IS4<br>AREA # | RT #   |  |  |  |  |
|----------------|---------------|--------|--|--|--|--|
| 12 HOUR STD    | 146377        | 13.346 |  |  |  |  |
| UPPER LIMIT    | 292754        | 13.846 |  |  |  |  |
| LOWER LIMIT    | 73188.5       | 12.846 |  |  |  |  |
| EPA SAMPLE NO. |               |        |  |  |  |  |
| WC1            | 33476 *       | 13.35  |  |  |  |  |
| WC1RE          | 59425 *       | 13.35  |  |  |  |  |
| VY0317SBL01    | 158203        | 13.35  |  |  |  |  |
| VY0317SBS01    | 146283        | 13.35  |  |  |  |  |
| VY0317SBSD01   | 155756        | 13.35  |  |  |  |  |

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area  
 AREA LOWER LIMIT = -50% of internal standard area  
 RT UPPER LIMIT = +0.50 minutes of internal standard RT  
 RT LOWER LIMIT = -0.50 minutes of internal standard RT

# Column used to flag values outside QC limits with an asterisk.  
 \* Values outside of QC limits.



# QC SAMPLE DATA

## Report of Analysis

|                    |                 |                 |       |
|--------------------|-----------------|-----------------|-------|
| Client:            | G Environmental | Date Collected: |       |
| Project:           | Ave L           | Date Received:  |       |
| Client Sample ID:  | VY0317SBL01     | SDG No.:        | Q1574 |
| Lab Sample ID:     | VY0317SBL01     | Matrix:         | SOIL  |
| Analytical Method: | SW8260          | % Solid:        | 100   |
| Sample Wt/Vol:     | 5               | Units:          | g     |
| Soil Aliquot Vol:  |                 |                 | uL    |
| GC Column:         | RXI-624         | ID :            | 0.25  |
| Prep Method :      |                 | Level :         | LOW   |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
|-------------------|-----------|-----------|----------------|---------------|
| VY021544.D        | 1         |           | 03/17/25 10:39 | VY031725      |

| CAS Number | Parameter                      | Conc. | Qualifier | MDL  | LOQ / CRQL | Units(Dry Weight) |
|------------|--------------------------------|-------|-----------|------|------------|-------------------|
| TARGETS    |                                |       |           |      |            |                   |
| 75-71-8    | Dichlorodifluoromethane        | 1.10  | U         | 1.10 | 5.00       | ug/Kg             |
| 74-87-3    | Chloromethane                  | 1.10  | U         | 1.10 | 5.00       | ug/Kg             |
| 75-01-4    | Vinyl Chloride                 | 0.79  | U         | 0.79 | 5.00       | ug/Kg             |
| 74-83-9    | Bromomethane                   | 1.10  | U         | 1.10 | 5.00       | ug/Kg             |
| 75-00-3    | Chloroethane                   | 1.30  | U         | 1.30 | 5.00       | ug/Kg             |
| 75-69-4    | Trichlorofluoromethane         | 1.20  | U         | 1.20 | 5.00       | ug/Kg             |
| 76-13-1    | 1,1,2-Trichlorotrifluoroethane | 1.10  | U         | 1.10 | 5.00       | ug/Kg             |
| 75-35-4    | 1,1-Dichloroethene             | 1.00  | U         | 1.00 | 5.00       | ug/Kg             |
| 67-64-1    | Acetone                        | 4.70  | U         | 4.70 | 25.0       | ug/Kg             |
| 75-15-0    | Carbon Disulfide               | 1.10  | U         | 1.10 | 5.00       | ug/Kg             |
| 1634-04-4  | Methyl tert-butyl Ether        | 0.73  | U         | 0.73 | 5.00       | ug/Kg             |
| 79-20-9    | Methyl Acetate                 | 1.50  | U         | 1.50 | 5.00       | ug/Kg             |
| 75-09-2    | Methylene Chloride             | 3.50  | U         | 3.50 | 10.0       | ug/Kg             |
| 156-60-5   | trans-1,2-Dichloroethene       | 0.86  | U         | 0.86 | 5.00       | ug/Kg             |
| 75-34-3    | 1,1-Dichloroethane             | 0.80  | U         | 0.80 | 5.00       | ug/Kg             |
| 110-82-7   | Cyclohexane                    | 0.79  | U         | 0.79 | 5.00       | ug/Kg             |
| 78-93-3    | 2-Butanone                     | 6.50  | U         | 6.50 | 25.0       | ug/Kg             |
| 56-23-5    | Carbon Tetrachloride           | 0.97  | U         | 0.97 | 5.00       | ug/Kg             |
| 156-59-2   | cis-1,2-Dichloroethene         | 0.75  | U         | 0.75 | 5.00       | ug/Kg             |
| 74-97-5    | Bromochloromethane             | 1.20  | U         | 1.20 | 5.00       | ug/Kg             |
| 67-66-3    | Chloroform                     | 0.84  | U         | 0.84 | 5.00       | ug/Kg             |
| 71-55-6    | 1,1,1-Trichloroethane          | 0.93  | U         | 0.93 | 5.00       | ug/Kg             |
| 108-87-2   | Methylcyclohexane              | 0.91  | U         | 0.91 | 5.00       | ug/Kg             |
| 71-43-2    | Benzene                        | 0.79  | U         | 0.79 | 5.00       | ug/Kg             |
| 107-06-2   | 1,2-Dichloroethane             | 0.79  | U         | 0.79 | 5.00       | ug/Kg             |
| 79-01-6    | Trichloroethene                | 0.81  | U         | 0.81 | 5.00       | ug/Kg             |
| 78-87-5    | 1,2-Dichloropropane            | 0.91  | U         | 0.91 | 5.00       | ug/Kg             |
| 75-27-4    | Bromodichloromethane           | 0.78  | U         | 0.78 | 5.00       | ug/Kg             |
| 108-10-1   | 4-Methyl-2-Pentanone           | 3.60  | U         | 3.60 | 25.0       | ug/Kg             |
| 108-88-3   | Toluene                        | 0.78  | U         | 0.78 | 5.00       | ug/Kg             |

## Report of Analysis

|                    |                           |                 |               |
|--------------------|---------------------------|-----------------|---------------|
| Client:            | G Environmental           | Date Collected: |               |
| Project:           | Ave L                     | Date Received:  |               |
| Client Sample ID:  | VY0317SBL01               | SDG No.:        | Q1574         |
| Lab Sample ID:     | VY0317SBL01               | Matrix:         | SOIL          |
| Analytical Method: | SW8260                    | % Solid:        | 100           |
| Sample Wt/Vol:     | 5      Units:    g        | Final Vol:      | 5000      uL  |
| Soil Aliquot Vol:  | uL                        | Test:           | VOC-TCLVOA-10 |
| GC Column:         | RXI-624      ID :    0.25 | Level :         | LOW           |
| Prep Method :      |                           |                 |               |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VY021544.D        | 1         |           | 03/17/25 10:39 | VY031725      |

| CAS Number                | Parameter                   | Conc.  | Qualifier | MDL                 | LOQ / CRQL | Units(Dry Weight) |
|---------------------------|-----------------------------|--------|-----------|---------------------|------------|-------------------|
| 10061-02-6                | t-1,3-Dichloropropene       | 0.65   | U         | 0.65                | 5.00       | ug/Kg             |
| 10061-01-5                | cis-1,3-Dichloropropene     | 0.62   | U         | 0.62                | 5.00       | ug/Kg             |
| 79-00-5                   | 1,1,2-Trichloroethane       | 0.92   | U         | 0.92                | 5.00       | ug/Kg             |
| 591-78-6                  | 2-Hexanone                  | 3.70   | U         | 3.70                | 25.0       | ug/Kg             |
| 124-48-1                  | Dibromochloromethane        | 0.87   | U         | 0.87                | 5.00       | ug/Kg             |
| 106-93-4                  | 1,2-Dibromoethane           | 0.88   | U         | 0.88                | 5.00       | ug/Kg             |
| 127-18-4                  | Tetrachloroethene           | 1.10   | U         | 1.10                | 5.00       | ug/Kg             |
| 108-90-7                  | Chlorobenzene               | 0.91   | U         | 0.91                | 5.00       | ug/Kg             |
| 100-41-4                  | Ethyl Benzene               | 0.67   | U         | 0.67                | 5.00       | ug/Kg             |
| 179601-23-1               | m/p-Xylenes                 | 1.20   | U         | 1.20                | 10.0       | ug/Kg             |
| 95-47-6                   | o-Xylene                    | 0.82   | U         | 0.82                | 5.00       | ug/Kg             |
| 100-42-5                  | Styrene                     | 0.71   | U         | 0.71                | 5.00       | ug/Kg             |
| 75-25-2                   | Bromoform                   | 0.86   | U         | 0.86                | 5.00       | ug/Kg             |
| 98-82-8                   | Isopropylbenzene            | 0.78   | U         | 0.78                | 5.00       | ug/Kg             |
| 79-34-5                   | 1,1,2,2-Tetrachloroethane   | 1.20   | U         | 1.20                | 5.00       | ug/Kg             |
| 541-73-1                  | 1,3-Dichlorobenzene         | 1.70   | U         | 1.70                | 5.00       | ug/Kg             |
| 106-46-7                  | 1,4-Dichlorobenzene         | 1.60   | U         | 1.60                | 5.00       | ug/Kg             |
| 95-50-1                   | 1,2-Dichlorobenzene         | 1.50   | U         | 1.50                | 5.00       | ug/Kg             |
| 96-12-8                   | 1,2-Dibromo-3-Chloropropane | 1.80   | U         | 1.80                | 5.00       | ug/Kg             |
| 120-82-1                  | 1,2,4-Trichlorobenzene      | 3.00   | U         | 3.00                | 5.00       | ug/Kg             |
| 87-61-6                   | 1,2,3-Trichlorobenzene      | 3.20   | U         | 3.20                | 5.00       | ug/Kg             |
| <b>SURROGATES</b>         |                             |        |           |                     |            |                   |
| 17060-07-0                | 1,2-Dichloroethane-d4       | 52.5   |           | 70 (63) - 130 (155) | 105%       | SPK: 50           |
| 1868-53-7                 | Dibromofluoromethane        | 50.1   |           | 70 (70) - 130 (134) | 100%       | SPK: 50           |
| 2037-26-5                 | Toluene-d8                  | 48.2   |           | 70 (74) - 130 (123) | 96%        | SPK: 50           |
| 460-00-4                  | 4-Bromofluorobenzene        | 41.1   |           | 70 (38) - 130 (136) | 82%        | SPK: 50           |
| <b>INTERNAL STANDARDS</b> |                             |        |           |                     |            |                   |
| 363-72-4                  | Pentafluorobenzene          | 272000 | 7.707     |                     |            |                   |
| 540-36-3                  | 1,4-Difluorobenzene         | 493000 | 8.616     |                     |            |                   |
| 3114-55-4                 | Chlorobenzene-d5            | 421000 | 11.414    |                     |            |                   |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4      | 158000 | 13.347    |                     |            |                   |

## Report of Analysis

|                    |                 |           |                 |               |
|--------------------|-----------------|-----------|-----------------|---------------|
| Client:            | G Environmental |           | Date Collected: |               |
| Project:           | Ave L           |           | Date Received:  |               |
| Client Sample ID:  | VY0317SBL01     |           | SDG No.:        | Q1574         |
| Lab Sample ID:     | VY0317SBL01     |           | Matrix:         | SOIL          |
| Analytical Method: | SW8260          |           | % Solid:        | 100           |
| Sample Wt/Vol:     | 5               | Units: g  | Final Vol:      | 5000 uL       |
| Soil Aliquot Vol:  |                 | uL        | Test:           | VOC-TCLVOA-10 |
| GC Column:         | RXI-624         | ID : 0.25 | Level :         | LOW           |
| Prep Method :      |                 |           |                 |               |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VY021544.D        | 1         |           | 03/17/25 10:39 | VY031725      |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|------------|-----------|-------|-----------|-----|------------|-------|
|------------|-----------|-------|-----------|-----|------------|-------|

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

### Report of Analysis

|                    |                 |           |                 |               |
|--------------------|-----------------|-----------|-----------------|---------------|
| Client:            | G Environmental |           | Date Collected: |               |
| Project:           | Ave L           |           | Date Received:  |               |
| Client Sample ID:  | VY0317SBS01     |           | SDG No.:        | Q1574         |
| Lab Sample ID:     | VY0317SBS01     |           | Matrix:         | SOIL          |
| Analytical Method: | SW8260          |           | % Solid:        | 100           |
| Sample Wt/Vol:     | 5               | Units: g  | Final Vol:      | 5000 uL       |
| Soil Aliquot Vol:  |                 | uL        | Test:           | VOC-TCLVOA-10 |
| GC Column:         | RXI-624         | ID : 0.25 | Level :         | LOW           |
| Prep Method :      |                 |           |                 |               |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VY021545.D        | 1         |           | 03/17/25 12:49 | VY031725      |

| CAS Number     | Parameter                      | Conc. | Qualifier | MDL  | LOQ / CRQL | Units(Dry Weight) |
|----------------|--------------------------------|-------|-----------|------|------------|-------------------|
| <b>TARGETS</b> |                                |       |           |      |            |                   |
| 75-71-8        | Dichlorodifluoromethane        | 19.3  |           | 1.10 | 5.00       | ug/Kg             |
| 74-87-3        | Chloromethane                  | 19.8  |           | 1.10 | 5.00       | ug/Kg             |
| 75-01-4        | Vinyl Chloride                 | 21.2  |           | 0.79 | 5.00       | ug/Kg             |
| 74-83-9        | Bromomethane                   | 20.4  |           | 1.10 | 5.00       | ug/Kg             |
| 75-00-3        | Chloroethane                   | 23.1  |           | 1.30 | 5.00       | ug/Kg             |
| 75-69-4        | Trichlorofluoromethane         | 24.4  |           | 1.20 | 5.00       | ug/Kg             |
| 76-13-1        | 1,1,2-Trichlorotrifluoroethane | 21.4  |           | 1.10 | 5.00       | ug/Kg             |
| 75-35-4        | 1,1-Dichloroethene             | 20.9  |           | 1.00 | 5.00       | ug/Kg             |
| 67-64-1        | Acetone                        | 170   |           | 4.70 | 25.0       | ug/Kg             |
| 75-15-0        | Carbon Disulfide               | 18.8  |           | 1.10 | 5.00       | ug/Kg             |
| 1634-04-4      | Methyl tert-butyl Ether        | 21.6  |           | 0.73 | 5.00       | ug/Kg             |
| 79-20-9        | Methyl Acetate                 | 22.9  |           | 1.50 | 5.00       | ug/Kg             |
| 75-09-2        | Methylene Chloride             | 21.1  |           | 3.50 | 10.0       | ug/Kg             |
| 156-60-5       | trans-1,2-Dichloroethene       | 19.9  |           | 0.86 | 5.00       | ug/Kg             |
| 75-34-3        | 1,1-Dichloroethane             | 20.7  |           | 0.80 | 5.00       | ug/Kg             |
| 110-82-7       | Cyclohexane                    | 19.0  |           | 0.79 | 5.00       | ug/Kg             |
| 78-93-3        | 2-Butanone                     | 140   |           | 6.50 | 25.0       | ug/Kg             |
| 56-23-5        | Carbon Tetrachloride           | 20.8  |           | 0.97 | 5.00       | ug/Kg             |
| 156-59-2       | cis-1,2-Dichloroethene         | 20.6  |           | 0.75 | 5.00       | ug/Kg             |
| 74-97-5        | Bromochloromethane             | 20.7  |           | 1.20 | 5.00       | ug/Kg             |
| 67-66-3        | Chloroform                     | 21.3  |           | 0.84 | 5.00       | ug/Kg             |
| 71-55-6        | 1,1,1-Trichloroethane          | 20.8  |           | 0.93 | 5.00       | ug/Kg             |
| 108-87-2       | Methylcyclohexane              | 19.3  |           | 0.91 | 5.00       | ug/Kg             |
| 71-43-2        | Benzene                        | 20.9  |           | 0.79 | 5.00       | ug/Kg             |
| 107-06-2       | 1,2-Dichloroethane             | 21.9  |           | 0.79 | 5.00       | ug/Kg             |
| 79-01-6        | Trichloroethene                | 20.9  |           | 0.81 | 5.00       | ug/Kg             |
| 78-87-5        | 1,2-Dichloropropane            | 21.2  |           | 0.91 | 5.00       | ug/Kg             |
| 75-27-4        | Bromodichloromethane           | 21.3  |           | 0.78 | 5.00       | ug/Kg             |
| 108-10-1       | 4-Methyl-2-Pentanone           | 120   |           | 3.60 | 25.0       | ug/Kg             |
| 108-88-3       | Toluene                        | 20.7  |           | 0.78 | 5.00       | ug/Kg             |

## Report of Analysis

|                    |                 |        |      |                 |               |
|--------------------|-----------------|--------|------|-----------------|---------------|
| Client:            | G Environmental |        |      | Date Collected: |               |
| Project:           | Ave L           |        |      | Date Received:  |               |
| Client Sample ID:  | VY0317SBS01     |        |      | SDG No.:        | Q1574         |
| Lab Sample ID:     | VY0317SBS01     |        |      | Matrix:         | SOIL          |
| Analytical Method: | SW8260          |        |      | % Solid:        | 100           |
| Sample Wt/Vol:     | 5               | Units: | g    | Final Vol:      | 5000 uL       |
| Soil Aliquot Vol:  |                 |        | uL   | Test:           | VOC-TCLVOA-10 |
| GC Column:         | RXI-624         | ID :   | 0.25 | Level :         | LOW           |
| Prep Method :      |                 |        |      |                 |               |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VY021545.D        | 1         |           | 03/17/25 12:49 | VY031725      |

| CAS Number                | Parameter                   | Conc.  | Qualifier | MDL                 | LOQ / CRQL | Units(Dry Weight) |
|---------------------------|-----------------------------|--------|-----------|---------------------|------------|-------------------|
| 10061-02-6                | t-1,3-Dichloropropene       | 21.4   |           | 0.65                | 5.00       | ug/Kg             |
| 10061-01-5                | cis-1,3-Dichloropropene     | 21.5   |           | 0.62                | 5.00       | ug/Kg             |
| 79-00-5                   | 1,1,2-Trichloroethane       | 22.3   |           | 0.92                | 5.00       | ug/Kg             |
| 591-78-6                  | 2-Hexanone                  | 130    |           | 3.70                | 25.0       | ug/Kg             |
| 124-48-1                  | Dibromochloromethane        | 22.1   |           | 0.87                | 5.00       | ug/Kg             |
| 106-93-4                  | 1,2-Dibromoethane           | 21.4   |           | 0.88                | 5.00       | ug/Kg             |
| 127-18-4                  | Tetrachloroethene           | 24.4   |           | 1.10                | 5.00       | ug/Kg             |
| 108-90-7                  | Chlorobenzene               | 20.6   |           | 0.91                | 5.00       | ug/Kg             |
| 100-41-4                  | Ethyl Benzene               | 20.0   |           | 0.67                | 5.00       | ug/Kg             |
| 179601-23-1               | m/p-Xylenes                 | 40.8   |           | 1.20                | 10.0       | ug/Kg             |
| 95-47-6                   | o-Xylene                    | 20.1   |           | 0.82                | 5.00       | ug/Kg             |
| 100-42-5                  | Styrene                     | 20.5   |           | 0.71                | 5.00       | ug/Kg             |
| 75-25-2                   | Bromoform                   | 22.5   |           | 0.86                | 5.00       | ug/Kg             |
| 98-82-8                   | Isopropylbenzene            | 19.9   |           | 0.78                | 5.00       | ug/Kg             |
| 79-34-5                   | 1,1,2,2-Tetrachloroethane   | 21.1   |           | 1.20                | 5.00       | ug/Kg             |
| 541-73-1                  | 1,3-Dichlorobenzene         | 20.0   |           | 1.70                | 5.00       | ug/Kg             |
| 106-46-7                  | 1,4-Dichlorobenzene         | 20.4   |           | 1.60                | 5.00       | ug/Kg             |
| 95-50-1                   | 1,2-Dichlorobenzene         | 21.0   |           | 1.50                | 5.00       | ug/Kg             |
| 96-12-8                   | 1,2-Dibromo-3-Chloropropane | 20.9   |           | 1.80                | 5.00       | ug/Kg             |
| 120-82-1                  | 1,2,4-Trichlorobenzene      | 20.1   |           | 3.00                | 5.00       | ug/Kg             |
| 87-61-6                   | 1,2,3-Trichlorobenzene      | 20.8   |           | 3.20                | 5.00       | ug/Kg             |
| <b>SURROGATES</b>         |                             |        |           |                     |            |                   |
| 17060-07-0                | 1,2-Dichloroethane-d4       | 52.0   |           | 70 (63) - 130 (155) | 104%       | SPK: 50           |
| 1868-53-7                 | Dibromofluoromethane        | 51.5   |           | 70 (70) - 130 (134) | 103%       | SPK: 50           |
| 2037-26-5                 | Toluene-d8                  | 50.2   |           | 70 (74) - 130 (123) | 100%       | SPK: 50           |
| 460-00-4                  | 4-Bromofluorobenzene        | 50.7   |           | 70 (38) - 130 (136) | 101%       | SPK: 50           |
| <b>INTERNAL STANDARDS</b> |                             |        |           |                     |            |                   |
| 363-72-4                  | Pentafluorobenzene          | 209000 | 7.707     |                     |            |                   |
| 540-36-3                  | 1,4-Difluorobenzene         | 320000 | 8.616     |                     |            |                   |
| 3114-55-4                 | Chlorobenzene-d5            | 284000 | 11.42     |                     |            |                   |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4      | 146000 | 13.347    |                     |            |                   |

## Report of Analysis

|                    |                 |                 |       |
|--------------------|-----------------|-----------------|-------|
| Client:            | G Environmental | Date Collected: |       |
| Project:           | Ave L           | Date Received:  |       |
| Client Sample ID:  | VY0317SBS01     | SDG No.:        | Q1574 |
| Lab Sample ID:     | VY0317SBS01     | Matrix:         | SOIL  |
| Analytical Method: | SW8260          | % Solid:        | 100   |
| Sample Wt/Vol:     | 5               | Units:          | g     |
| Soil Aliquot Vol:  |                 |                 | uL    |
| GC Column:         | RXI-624         | ID :            | 0.25  |
| Prep Method :      |                 | Level :         | LOW   |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
|-------------------|-----------|-----------|----------------|---------------|
| VY021545.D        | 1         |           | 03/17/25 12:49 | VY031725      |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|------------|-----------|-------|-----------|-----|------------|-------|
|------------|-----------|-------|-----------|-----|------------|-------|

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products



## Report of Analysis

|                    |                                           |                 |                              |
|--------------------|-------------------------------------------|-----------------|------------------------------|
| Client:            | G Environmental                           | Date Collected: |                              |
| Project:           | Ave L                                     | Date Received:  |                              |
| Client Sample ID:  | VY0317SBSD01                              | SDG No.:        | Q1574                        |
| Lab Sample ID:     | VY0317SBSD01                              | Matrix:         | SOIL                         |
| Analytical Method: | SW8260                                    | % Solid:        | 100                          |
| Sample Wt/Vol:     | 5                      Units:    g        | Final Vol:      | 5000                      uL |
| Soil Aliquot Vol:  | uL                                        | Test:           | VOC-TCLVOA-10                |
| GC Column:         | RXI-624                      ID :    0.25 | Level :         | LOW                          |
| Prep Method :      |                                           |                 |                              |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VY021546.D        | 1         |           | 03/17/25 13:12 | VY031725      |

| CAS Number     | Parameter                      | Conc. | Qualifier | MDL  | LOQ / CRQL | Units(Dry Weight) |
|----------------|--------------------------------|-------|-----------|------|------------|-------------------|
| <b>TARGETS</b> |                                |       |           |      |            |                   |
| 75-71-8        | Dichlorodifluoromethane        | 16.2  |           | 1.10 | 5.00       | ug/Kg             |
| 74-87-3        | Chloromethane                  | 17.0  |           | 1.10 | 5.00       | ug/Kg             |
| 75-01-4        | Vinyl Chloride                 | 18.2  |           | 0.79 | 5.00       | ug/Kg             |
| 74-83-9        | Bromomethane                   | 17.8  |           | 1.10 | 5.00       | ug/Kg             |
| 75-00-3        | Chloroethane                   | 18.4  |           | 1.30 | 5.00       | ug/Kg             |
| 75-69-4        | Trichlorofluoromethane         | 17.8  |           | 1.20 | 5.00       | ug/Kg             |
| 76-13-1        | 1,1,2-Trichlorotrifluoroethane | 17.9  |           | 1.10 | 5.00       | ug/Kg             |
| 75-35-4        | 1,1-Dichloroethene             | 17.0  |           | 1.00 | 5.00       | ug/Kg             |
| 67-64-1        | Acetone                        | 120   |           | 4.70 | 25.0       | ug/Kg             |
| 75-15-0        | Carbon Disulfide               | 15.7  |           | 1.10 | 5.00       | ug/Kg             |
| 1634-04-4      | Methyl tert-butyl Ether        | 17.9  |           | 0.73 | 5.00       | ug/Kg             |
| 79-20-9        | Methyl Acetate                 | 20.0  |           | 1.50 | 5.00       | ug/Kg             |
| 75-09-2        | Methylene Chloride             | 18.1  |           | 3.50 | 10.0       | ug/Kg             |
| 156-60-5       | trans-1,2-Dichloroethene       | 17.3  |           | 0.86 | 5.00       | ug/Kg             |
| 75-34-3        | 1,1-Dichloroethane             | 18.1  |           | 0.80 | 5.00       | ug/Kg             |
| 110-82-7       | Cyclohexane                    | 15.8  |           | 0.79 | 5.00       | ug/Kg             |
| 78-93-3        | 2-Butanone                     | 100   |           | 6.50 | 25.0       | ug/Kg             |
| 56-23-5        | Carbon Tetrachloride           | 17.5  |           | 0.97 | 5.00       | ug/Kg             |
| 156-59-2       | cis-1,2-Dichloroethene         | 17.6  |           | 0.75 | 5.00       | ug/Kg             |
| 74-97-5        | Bromochloromethane             | 20.0  |           | 1.20 | 5.00       | ug/Kg             |
| 67-66-3        | Chloroform                     | 18.1  |           | 0.84 | 5.00       | ug/Kg             |
| 71-55-6        | 1,1,1-Trichloroethane          | 17.5  |           | 0.93 | 5.00       | ug/Kg             |
| 108-87-2       | Methylcyclohexane              | 16.1  |           | 0.91 | 5.00       | ug/Kg             |
| 71-43-2        | Benzene                        | 17.6  |           | 0.79 | 5.00       | ug/Kg             |
| 107-06-2       | 1,2-Dichloroethane             | 18.4  |           | 0.79 | 5.00       | ug/Kg             |
| 79-01-6        | Trichloroethene                | 18.0  |           | 0.81 | 5.00       | ug/Kg             |
| 78-87-5        | 1,2-Dichloropropane            | 18.0  |           | 0.91 | 5.00       | ug/Kg             |
| 75-27-4        | Bromodichloromethane           | 18.4  |           | 0.78 | 5.00       | ug/Kg             |
| 108-10-1       | 4-Methyl-2-Pentanone           | 95.8  |           | 3.60 | 25.0       | ug/Kg             |
| 108-88-3       | Toluene                        | 17.4  |           | 0.78 | 5.00       | ug/Kg             |

## Report of Analysis

|                    |                   |                 |               |
|--------------------|-------------------|-----------------|---------------|
| Client:            | G Environmental   | Date Collected: |               |
| Project:           | Ave L             | Date Received:  |               |
| Client Sample ID:  | VY0317SBSD01      | SDG No.:        | Q1574         |
| Lab Sample ID:     | VY0317SBSD01      | Matrix:         | SOIL          |
| Analytical Method: | SW8260            | % Solid:        | 100           |
| Sample Wt/Vol:     | 5 Units: g        | Final Vol:      | 5000 uL       |
| Soil Aliquot Vol:  | uL                | Test:           | VOC-TCLVOA-10 |
| GC Column:         | RXI-624 ID : 0.25 | Level :         | LOW           |
| Prep Method :      |                   |                 |               |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VY021546.D        | 1         |           | 03/17/25 13:12 | VY031725      |

| CAS Number                | Parameter                   | Conc.  | Qualifier | MDL                 | LOQ / CRQL | Units(Dry Weight) |
|---------------------------|-----------------------------|--------|-----------|---------------------|------------|-------------------|
| 10061-02-6                | t-1,3-Dichloropropene       | 18.4   |           | 0.65                | 5.00       | ug/Kg             |
| 10061-01-5                | cis-1,3-Dichloropropene     | 18.2   |           | 0.62                | 5.00       | ug/Kg             |
| 79-00-5                   | 1,1,2-Trichloroethane       | 19.2   |           | 0.92                | 5.00       | ug/Kg             |
| 591-78-6                  | 2-Hexanone                  | 100    |           | 3.70                | 25.0       | ug/Kg             |
| 124-48-1                  | Dibromochloromethane        | 18.7   |           | 0.87                | 5.00       | ug/Kg             |
| 106-93-4                  | 1,2-Dibromoethane           | 18.2   |           | 0.88                | 5.00       | ug/Kg             |
| 127-18-4                  | Tetrachloroethene           | 20.6   |           | 1.10                | 5.00       | ug/Kg             |
| 108-90-7                  | Chlorobenzene               | 17.9   |           | 0.91                | 5.00       | ug/Kg             |
| 100-41-4                  | Ethyl Benzene               | 17.2   |           | 0.67                | 5.00       | ug/Kg             |
| 179601-23-1               | m/p-Xylenes                 | 34.6   |           | 1.20                | 10.0       | ug/Kg             |
| 95-47-6                   | o-Xylene                    | 17.4   |           | 0.82                | 5.00       | ug/Kg             |
| 100-42-5                  | Styrene                     | 17.6   |           | 0.71                | 5.00       | ug/Kg             |
| 75-25-2                   | Bromoform                   | 18.8   |           | 0.86                | 5.00       | ug/Kg             |
| 98-82-8                   | Isopropylbenzene            | 16.7   |           | 0.78                | 5.00       | ug/Kg             |
| 79-34-5                   | 1,1,2,2-Tetrachloroethane   | 17.5   |           | 1.20                | 5.00       | ug/Kg             |
| 541-73-1                  | 1,3-Dichlorobenzene         | 17.1   |           | 1.70                | 5.00       | ug/Kg             |
| 106-46-7                  | 1,4-Dichlorobenzene         | 17.4   |           | 1.60                | 5.00       | ug/Kg             |
| 95-50-1                   | 1,2-Dichlorobenzene         | 17.6   |           | 1.50                | 5.00       | ug/Kg             |
| 96-12-8                   | 1,2-Dibromo-3-Chloropropane | 18.1   |           | 1.80                | 5.00       | ug/Kg             |
| 120-82-1                  | 1,2,4-Trichlorobenzene      | 17.1   |           | 3.00                | 5.00       | ug/Kg             |
| 87-61-6                   | 1,2,3-Trichlorobenzene      | 17.8   |           | 3.20                | 5.00       | ug/Kg             |
| <b>SURROGATES</b>         |                             |        |           |                     |            |                   |
| 17060-07-0                | 1,2-Dichloroethane-d4       | 51.5   |           | 70 (63) - 130 (155) | 103%       | SPK: 50           |
| 1868-53-7                 | Dibromofluoromethane        | 50.8   |           | 70 (70) - 130 (134) | 102%       | SPK: 50           |
| 2037-26-5                 | Toluene-d8                  | 50.3   |           | 70 (74) - 130 (123) | 101%       | SPK: 50           |
| 460-00-4                  | 4-Bromofluorobenzene        | 50.3   |           | 70 (38) - 130 (136) | 101%       | SPK: 50           |
| <b>INTERNAL STANDARDS</b> |                             |        |           |                     |            |                   |
| 363-72-4                  | Pentafluorobenzene          | 220000 | 7.707     |                     |            |                   |
| 540-36-3                  | 1,4-Difluorobenzene         | 339000 | 8.616     |                     |            |                   |
| 3114-55-4                 | Chlorobenzene-d5            | 300000 | 11.414    |                     |            |                   |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4      | 156000 | 13.346    |                     |            |                   |

## Report of Analysis

|                    |                 |           |                 |               |
|--------------------|-----------------|-----------|-----------------|---------------|
| Client:            | G Environmental |           | Date Collected: |               |
| Project:           | Ave L           |           | Date Received:  |               |
| Client Sample ID:  | VY0317SBSD01    |           | SDG No.:        | Q1574         |
| Lab Sample ID:     | VY0317SBSD01    |           | Matrix:         | SOIL          |
| Analytical Method: | SW8260          |           | % Solid:        | 100           |
| Sample Wt/Vol:     | 5               | Units: g  | Final Vol:      | 5000 uL       |
| Soil Aliquot Vol:  |                 | uL        | Test:           | VOC-TCLVOA-10 |
| GC Column:         | RXI-624         | ID : 0.25 | Level :         | LOW           |
| Prep Method :      |                 |           |                 |               |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VY021546.D        | 1         |           | 03/17/25 13:12 | VY031725      |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|------------|-----------|-------|-----------|-----|------------|-------|
|------------|-----------|-------|-----------|-----|------------|-------|

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products



# CALIBRATION SUMMARY

### VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1574 SAS No.: Q1574 SDG No.: Q1574

Instrument ID: MSVOA\_Y Calibration Date(s): 03/04/2025 03/04/2025

Heated Purge: (Y/N) Y Calibration Time(s): 09:46 12:15

GC Column: RXI-624 ID: 0.25 (mm)

| LAB FILE ID:                   |        | RRF010 = VY021397.D |        | RRF020 = VY021398.D |        | RRF050 = VY021399.D |       | RRF100 = VY021400.D |  | RRF150 = VY021401.D |  | RRF005 = VY021403.D |  |
|--------------------------------|--------|---------------------|--------|---------------------|--------|---------------------|-------|---------------------|--|---------------------|--|---------------------|--|
| COMPOUND                       | RRF010 | RRF020              | RRF050 | RRF100              | RRF150 | RRF005              | RRF   | % RSD               |  |                     |  |                     |  |
| Dichlorodifluoromethane        | 0.493  | 0.416               | 0.447  | 0.440               | 0.429  | 0.529               | 0.459 | 9.4                 |  |                     |  |                     |  |
| Chloromethane                  | 0.694  | 0.588               | 0.617  | 0.608               | 0.580  | 0.793               | 0.647 | 12.7                |  |                     |  |                     |  |
| Vinyl Chloride                 | 0.762  | 0.639               | 0.691  | 0.706               | 0.665  | 0.778               | 0.707 | 7.7                 |  |                     |  |                     |  |
| Bromomethane                   | 0.555  | 0.450               | 0.468  | 0.483               | 0.468  | 0.641               | 0.511 | 14.4                |  |                     |  |                     |  |
| Chloroethane                   | 0.505  | 0.427               | 0.460  | 0.458               | 0.432  | 0.521               | 0.467 | 8.2                 |  |                     |  |                     |  |
| Trichlorofluoromethane         | 1.050  | 0.896               | 0.967  | 0.963               | 0.935  | 1.109               | 0.987 | 8                   |  |                     |  |                     |  |
| 1,1,2-Trichlorotrifluoroethane | 0.600  | 0.507               | 0.538  | 0.542               | 0.525  | 0.668               | 0.563 | 10.7                |  |                     |  |                     |  |
| 1,1-Dichloroethene             | 0.542  | 0.460               | 0.506  | 0.512               | 0.494  | 0.566               | 0.514 | 7.2                 |  |                     |  |                     |  |
| Acetone                        | 0.124  | 0.091               | 0.134  | 0.103               | 0.095  | 0.144               | 0.115 | 18.9                |  |                     |  |                     |  |
| Carbon Disulfide               | 1.705  | 1.425               | 1.631  | 1.618               | 1.546  | 1.732               | 1.610 | 7                   |  |                     |  |                     |  |
| Methyl tert-butyl Ether        | 1.290  | 1.177               | 1.366  | 1.299               | 1.315  | 1.364               | 1.302 | 5.3                 |  |                     |  |                     |  |
| Methyl Acetate                 | 0.253  | 0.227               | 0.284  | 0.245               | 0.257  | 0.268               | 0.256 | 7.6                 |  |                     |  |                     |  |
| Methylene Chloride             | 0.717  | 0.538               | 0.552  | 0.530               | 0.507  | 0.788               | 0.605 | 19.4                |  |                     |  |                     |  |
| trans-1,2-Dichloroethene       | 0.608  | 0.516               | 0.564  | 0.570               | 0.545  | 0.648               | 0.575 | 8.1                 |  |                     |  |                     |  |
| 1,1-Dichloroethane             | 1.124  | 0.955               | 1.050  | 1.035               | 0.991  | 1.179               | 1.056 | 7.9                 |  |                     |  |                     |  |
| Cyclohexane                    | 1.039  | 0.885               | 0.941  | 0.943               | 0.914  | 1.216               | 0.990 | 12.4                |  |                     |  |                     |  |
| 2-Butanone                     | 0.160  | 0.136               | 0.181  | 0.149               | 0.151  | 0.180               | 0.159 | 11.2                |  |                     |  |                     |  |
| Carbon Tetrachloride           | 0.627  | 0.538               | 0.587  | 0.595               | 0.579  | 0.625               | 0.592 | 5.6                 |  |                     |  |                     |  |
| cis-1,2-Dichloroethene         | 0.675  | 0.592               | 0.654  | 0.658               | 0.639  | 0.702               | 0.653 | 5.6                 |  |                     |  |                     |  |
| Bromochloromethane             | 0.481  | 0.423               | 0.467  | 0.426               | 0.380  | 0.478               | 0.443 | 9                   |  |                     |  |                     |  |
| Chloroform                     | 1.181  | 0.992               | 1.087  | 1.066               | 1.029  | 1.222               | 1.096 | 8.1                 |  |                     |  |                     |  |
| 1,1,1-Trichloroethane          | 1.063  | 0.894               | 0.978  | 0.983               | 0.953  | 1.151               | 1.004 | 9                   |  |                     |  |                     |  |
| Methylcyclohexane              | 0.595  | 0.550               | 0.651  | 0.680               | 0.669  | 0.641               | 0.631 | 7.8                 |  |                     |  |                     |  |
| Benzene                        | 1.554  | 1.366               | 1.542  | 1.540               | 1.473  | 1.618               | 1.515 | 5.7                 |  |                     |  |                     |  |
| 1,2-Dichloroethane             | 0.446  | 0.386               | 0.436  | 0.414               | 0.408  | 0.453               | 0.424 | 6.1                 |  |                     |  |                     |  |
| Trichloroethene                | 0.390  | 0.349               | 0.381  | 0.384               | 0.378  | 0.415               | 0.383 | 5.5                 |  |                     |  |                     |  |
| 1,2-Dichloropropane            | 0.371  | 0.333               | 0.368  | 0.358               | 0.347  | 0.388               | 0.361 | 5.3                 |  |                     |  |                     |  |
| Bromodichloromethane           | 0.550  | 0.485               | 0.548  | 0.535               | 0.521  | 0.559               | 0.533 | 5                   |  |                     |  |                     |  |
| 4-Methyl-2-Pentanone           | 0.210  | 0.202               | 0.263  | 0.230               | 0.243  | 0.219               | 0.228 | 9.9                 |  |                     |  |                     |  |
| Toluene                        | 0.952  | 0.853               | 0.988  | 0.997               | 0.958  | 0.983               | 0.955 | 5.6                 |  |                     |  |                     |  |

\* Compounds with required minimum RRF and maximum %RSD values.  
All other compounds must meet a minimum RRF of 0.010.  
RRF of 1,4-Dioxane = Value should be divide by 1000.

### VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1574 SAS No.: Q1574 SDG No.: Q1574

Instrument ID: MSVOA\_Y Calibration Date(s): 03/04/2025 03/04/2025

Heated Purge: (Y/N) Y Calibration Time(s): 09:46 12:15

GC Column: RXI-624 ID: 0.25 (mm)

| LAB FILE ID:                |  | RRF010 = VY021397.D |        | RRF020 = VY021398.D |        | RRF050 = VY021399.D |        | RRF100 = VY021400.D |       | RRF150 = VY021401.D |  | RRF005 = VY021403.D |  |
|-----------------------------|--|---------------------|--------|---------------------|--------|---------------------|--------|---------------------|-------|---------------------|--|---------------------|--|
| COMPOUND                    |  | RRF010              | RRF020 | RRF050              | RRF100 | RRF150              | RRF005 | RRF                 | % RSD |                     |  |                     |  |
| t-1,3-Dichloropropene       |  | 0.447               | 0.420  | 0.499               | 0.495  | 0.495               | 0.461  | 0.470               | 6.8   |                     |  |                     |  |
| cis-1,3-Dichloropropene     |  | 0.544               | 0.498  | 0.587               | 0.579  | 0.566               | 0.570  | 0.557               | 5.8   |                     |  |                     |  |
| 1,1,2-Trichloroethane       |  | 0.264               | 0.237  | 0.283               | 0.259  | 0.257               | 0.274  | 0.263               | 6     |                     |  |                     |  |
| 2-Hexanone                  |  | 0.135               | 0.129  | 0.182               | 0.156  | 0.163               | 0.139  | 0.151               | 13.1  |                     |  |                     |  |
| Dibromochloromethane        |  | 0.358               | 0.327  | 0.376               | 0.363  | 0.361               | 0.374  | 0.360               | 4.9   |                     |  |                     |  |
| 1,2-Dibromoethane           |  | 0.246               | 0.226  | 0.262               | 0.248  | 0.247               | 0.258  | 0.248               | 5.1   |                     |  |                     |  |
| Tetrachloroethene           |  | 0.418               | 0.370  | 0.403               | 0.407  | 0.393               | 0.449  | 0.407               | 6.5   |                     |  |                     |  |
| Chlorobenzene               |  | 1.194               | 1.065  | 1.186               | 1.192  | 1.165               | 1.283  | 1.181               | 5.9   |                     |  |                     |  |
| Ethyl Benzene               |  | 2.005               | 1.825  | 2.135               | 2.209  | 2.146               | 2.115  | 2.072               | 6.7   |                     |  |                     |  |
| m/p-Xylenes                 |  | 0.761               | 0.705  | 0.822               | 0.833  | 0.803               | 0.797  | 0.787               | 6     |                     |  |                     |  |
| o-Xylene                    |  | 0.700               | 0.635  | 0.759               | 0.779  | 0.754               | 0.723  | 0.725               | 7.2   |                     |  |                     |  |
| Styrene                     |  | 1.133               | 1.084  | 1.277               | 1.306  | 1.267               | 1.151  | 1.203               | 7.6   |                     |  |                     |  |
| Bromoform                   |  | 0.227               | 0.213  | 0.250               | 0.237  | 0.238               | 0.235  | 0.233               | 5.3   |                     |  |                     |  |
| Isopropylbenzene            |  | 3.797               | 3.468  | 4.034               | 4.231  | 4.124               | 3.977  | 3.939               | 6.9   |                     |  |                     |  |
| 1,1,2,2-Tetrachloroethane   |  | 0.712               | 0.637  | 0.727               | 0.667  | 0.690               | 0.737  | 0.695               | 5.4   |                     |  |                     |  |
| 1,3-Dichlorobenzene         |  | 1.861               | 1.640  | 1.812               | 1.840  | 1.822               | 2.031  | 1.834               | 6.8   |                     |  |                     |  |
| 1,4-Dichlorobenzene         |  | 1.820               | 1.624  | 1.782               | 1.783  | 1.764               | 1.989  | 1.794               | 6.5   |                     |  |                     |  |
| 1,2-Dichlorobenzene         |  | 1.561               | 1.431  | 1.588               | 1.568  | 1.560               | 1.723  | 1.572               | 5.9   |                     |  |                     |  |
| 1,2-Dibromo-3-Chloropropane |  | 0.101               | 0.092  | 0.108               | 0.098  | 0.108               | 0.117  | 0.104               | 8.3   |                     |  |                     |  |
| 1,2,4-Trichlorobenzene      |  | 0.723               | 0.735  | 0.908               | 0.926  | 0.994               | 0.864  | 0.859               | 12.7  |                     |  |                     |  |
| 1,2,3-Trichlorobenzene      |  | 0.604               | 0.614  | 0.775               | 0.771  | 0.835               | 0.734  | 0.722               | 13    |                     |  |                     |  |
| 1,2-Dichloroethane-d4       |  | 0.580               | 0.514  | 0.482               | 0.511  | 0.477               | 0.606  | 0.528               | 10    |                     |  |                     |  |
| Dibromofluoromethane        |  | 0.348               | 0.315  | 0.296               | 0.332  | 0.311               | 0.371  | 0.329               | 8.3   |                     |  |                     |  |
| Toluene-d8                  |  | 1.276               | 1.179  | 1.135               | 1.289  | 1.203               | 1.384  | 1.244               | 7.2   |                     |  |                     |  |
| 4-Bromofluorobenzene        |  | 0.424               | 0.394  | 0.386               | 0.433  | 0.405               | 0.498  | 0.423               | 9.6   |                     |  |                     |  |

\* Compounds with required minimum RRF and maximum %RSD values.  
All other compounds must meet a minimum RRF of 0.010.  
RRF of 1,4-Dioxane = Value should be divide by 1000.

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1574 SAS No.: Q1574 SDG No.: Q1574

Instrument ID: MSVOA\_Y Calibration Date/Time: 03/17/2025 10:04

Lab File ID: VY021543.D Init. Calib. Date(s): 03/04/2025 03/04/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 09:46 12:15

GC Column: RXI-624 ID: 0.25 (mm)

| COMPOUND                       | RRF   | RRF050 | MIN<br>RRF | %D     | MAX%D |
|--------------------------------|-------|--------|------------|--------|-------|
| Dichlorodifluoromethane        | 0.459 | 0.388  |            | -15.47 | 20    |
| Chloromethane                  | 0.647 | 0.610  | 0.1        | -5.72  | 20    |
| Vinyl Chloride                 | 0.707 | 0.691  |            | -2.26  | 20    |
| Bromomethane                   | 0.511 | 0.493  |            | -3.52  | 20    |
| Chloroethane                   | 0.467 | 0.508  |            | 8.78   | 20    |
| Trichlorofluoromethane         | 0.987 | 1.063  |            | 7.7    | 20    |
| 1,1,2-Trichlorotrifluoroethane | 0.563 | 0.527  |            | -6.39  | 20    |
| 1,1-Dichloroethene             | 0.514 | 0.483  |            | -6.03  | 20    |
| Acetone                        | 0.115 | 0.135  |            | 17.39  | 20    |
| Carbon Disulfide               | 1.610 | 1.478  |            | -8.2   | 20    |
| Methyl tert-butyl Ether        | 1.302 | 1.287  |            | -1.15  | 20    |
| Methyl Acetate                 | 0.256 | 0.301  |            | 17.58  | 20    |
| Methylene Chloride             | 0.605 | 0.566  |            | -6.45  | 20    |
| trans-1,2-Dichloroethene       | 0.575 | 0.570  |            | -0.87  | 20    |
| 1,1-Dichloroethane             | 1.056 | 1.074  | 0.1        | 1.71   | 20    |
| Cyclohexane                    | 0.990 | 0.843  |            | -14.85 | 20    |
| 2-Butanone                     | 0.159 | 0.162  |            | 1.89   | 20    |
| Carbon Tetrachloride           | 0.592 | 0.567  |            | -4.22  | 20    |
| cis-1,2-Dichloroethene         | 0.653 | 0.661  |            | 1.23   | 20    |
| Bromochloromethane             | 0.443 | 0.460  |            | 3.84   | 20    |
| Chloroform                     | 1.096 | 1.133  |            | 3.38   | 20    |
| 1,1,1-Trichloroethane          | 1.004 | 0.987  |            | -1.69  | 20    |
| Methylcyclohexane              | 0.631 | 0.575  |            | -8.88  | 20    |
| Benzene                        | 1.515 | 1.513  |            | -0.13  | 20    |
| 1,2-Dichloroethane             | 0.424 | 0.425  |            | 0.24   | 20    |
| Trichloroethene                | 0.383 | 0.386  |            | 0.78   | 20    |
| 1,2-Dichloropropane            | 0.361 | 0.363  |            | 0.55   | 20    |
| Bromodichloromethane           | 0.533 | 0.548  |            | 2.81   | 20    |
| 4-Methyl-2-Pentanone           | 0.228 | 0.223  |            | -2.19  | 20    |
| Toluene                        | 0.955 | 0.970  |            | 1.57   | 20    |
| t-1,3-Dichloropropene          | 0.470 | 0.480  |            | 2.13   | 20    |
| cis-1,3-Dichloropropene        | 0.557 | 0.569  |            | 2.15   | 20    |
| 1,1,2-Trichloroethane          | 0.263 | 0.267  |            | 1.52   | 20    |
| 2-Hexanone                     | 0.151 | 0.156  |            | 3.31   | 20    |
| Dibromochloromethane           | 0.360 | 0.372  |            | 3.33   | 20    |
| 1,2-Dibromoethane              | 0.248 | 0.247  |            | -0.4   | 20    |
| Tetrachloroethene              | 0.407 | 0.445  |            | 9.34   | 20    |
| Chlorobenzene                  | 1.181 | 1.180  | 0.3        | -0.09  | 20    |

All other compounds must meet a minimum RRF of 0.010.  
RRF of 1,4-Dioxane = Value should be divide by 1000.

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1574 SAS No.: Q1574 SDG No.: Q1574

Instrument ID: MSVOA\_Y Calibration Date/Time: 03/17/2025 10:04

Lab File ID: VY021543.D Init. Calib. Date(s): 03/04/2025 03/04/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 09:46 12:15

GC Column: RXI-624 ID: 0.25 (mm)

| COMPOUND                    | RRF   | RRF050 | MIN<br>RRF | %D    | MAX%D |
|-----------------------------|-------|--------|------------|-------|-------|
| Ethyl Benzene               | 2.072 | 2.035  |            | -1.79 | 20    |
| m/p-Xylenes                 | 0.787 | 0.790  |            | 0.38  | 20    |
| o-Xylene                    | 0.725 | 0.739  |            | 1.93  | 20    |
| Styrene                     | 1.203 | 1.247  |            | 3.66  | 20    |
| Bromoform                   | 0.233 | 0.237  | 0.1        | 1.72  | 20    |
| Isopropylbenzene            | 3.939 | 3.757  |            | -4.62 | 20    |
| 1,1,2,2-Tetrachloroethane   | 0.695 | 0.635  | 0.3        | -8.63 | 20    |
| 1,3-Dichlorobenzene         | 1.834 | 1.769  |            | -3.54 | 20    |
| 1,4-Dichlorobenzene         | 1.794 | 1.732  |            | -3.46 | 20    |
| 1,2-Dichlorobenzene         | 1.572 | 1.531  |            | -2.61 | 20    |
| 1,2-Dibromo-3-Chloropropane | 0.104 | 0.094  |            | -9.61 | 20    |
| 1,2,4-Trichlorobenzene      | 0.859 | 0.849  |            | -1.16 | 20    |
| 1,2,3-Trichlorobenzene      | 0.722 | 0.702  |            | -2.77 | 20    |
| 1,2-Dichloroethane-d4       | 0.528 | 0.578  |            | 9.47  | 20    |
| Dibromofluoromethane        | 0.329 | 0.359  |            | 9.12  | 20    |
| Toluene-d8                  | 1.244 | 1.327  |            | 6.67  | 20    |
| 4-Bromofluorobenzene        | 0.423 | 0.453  |            | 7.09  | 20    |

All other compounds must meet a minimum RRF of 0.010.  
RRF of 1,4-Dioxane = Value should be divide by 1000.





# SAMPLE RAW DATA

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY031725\  
Data File : VY021549.D  
Acq On : 17 Mar 2025 14:26  
Operator : SY/MD  
Sample : Q1574-01  
Misc : 5.02g/5.0mL/MSVOA\_Y/SOIL/A  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
WC1

A  
B  
C  
D  
E  
F  
G  
H  
I  
J

Quant Time: Mar 18 01:27:13 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y030425S.M  
Quant Title : SW846 8260  
QLast Update : Wed Mar 05 12:42:45 2025  
Response via : Initial Calibration

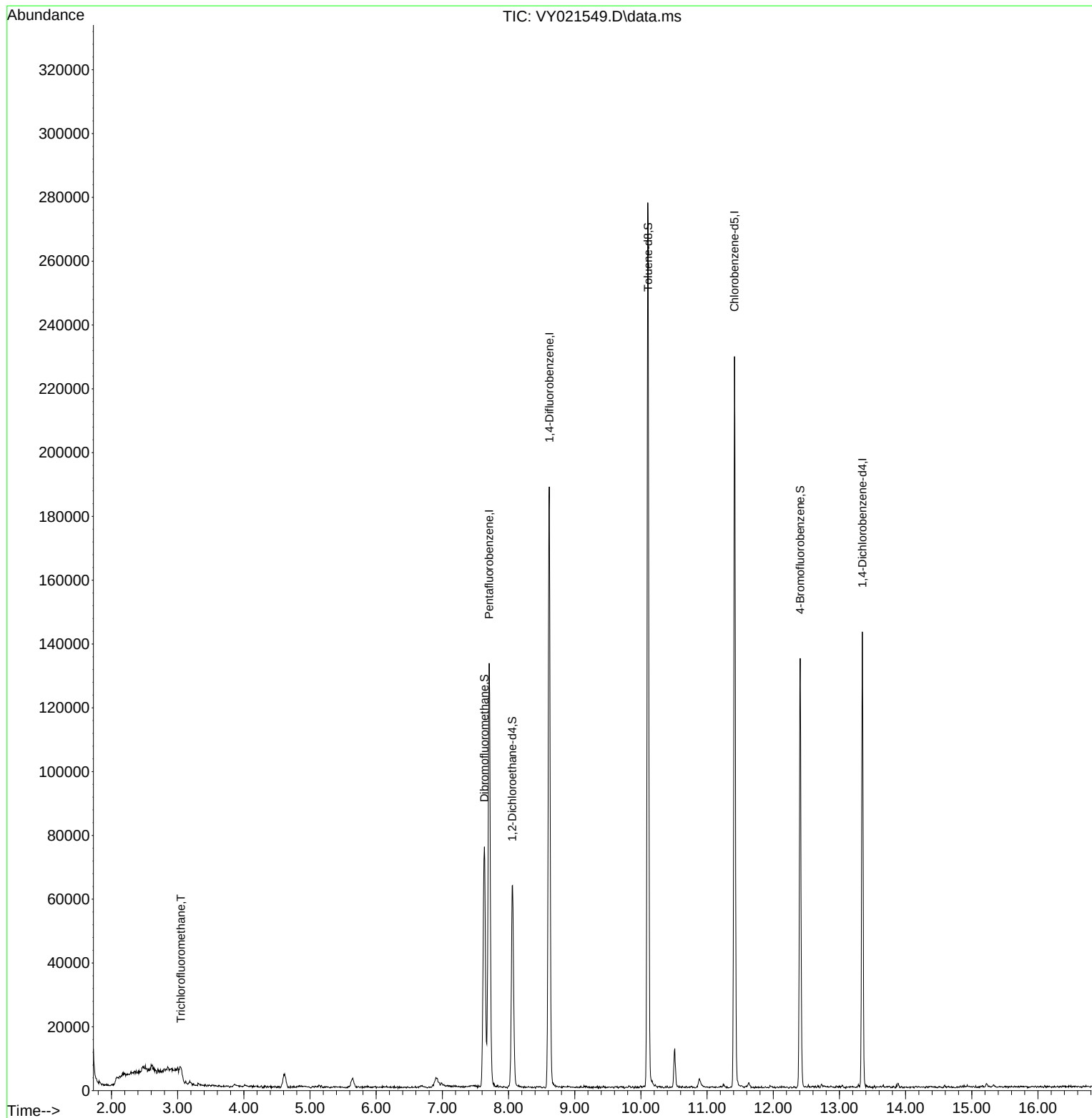
| Compound                    | R.T.   | QIon  | Response | Conc     | Units | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|-------|----------|
| Internal Standards          |        |       |          |          |       |          |
| 1) Pentafluorobenzene       | 7.707  | 168   | 98896    | 50.000   | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.616  | 114   | 155221   | 50.000   | ug/l  | 0.00     |
| 63) Chlorobenzene-d5        | 11.414 | 117   | 116517   | 50.000   | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.347 | 152   | 33476    | 50.000   | ug/l  | 0.00     |
| System Monitoring Compounds |        |       |          |          |       |          |
| 33) 1,2-Dichloroethane-d4   | 8.055  | 65    | 51252    | 49.032   | ug/l  | -0.01    |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =     | 98.060%  |
| 35) Dibromofluoromethane    | 7.634  | 113   | 54695    | 53.607   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =     | 107.220% |
| 50) Toluene-d8              | 10.109 | 98    | 177431   | 45.929   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =     | 91.860%  |
| 62) 4-Bromofluorobenzene    | 12.408 | 95    | 39595    | 30.131   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =     | 60.260%  |
| Target Compounds            |        |       |          |          |       |          |
| 7) Trichlorofluoromethane   | 3.050  | 101   | 2375     | 1.217    | ug/l  | # 80     |

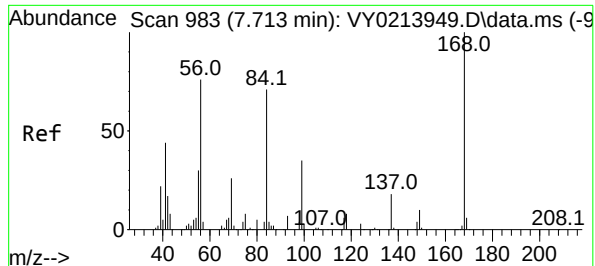
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY031725\  
Data File : VY021549.D  
Acq On : 17 Mar 2025 14:26  
Operator : SY/MD  
Sample : Q1574-01  
Misc : 5.02g/5.0mL/MSVOA\_Y/SOIL/A  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
WC1

Quant Time: Mar 18 01:27:13 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y030425S.M  
Quant Title : SW846 8260  
QLast Update : Wed Mar 05 12:42:45 2025  
Response via : Initial Calibration

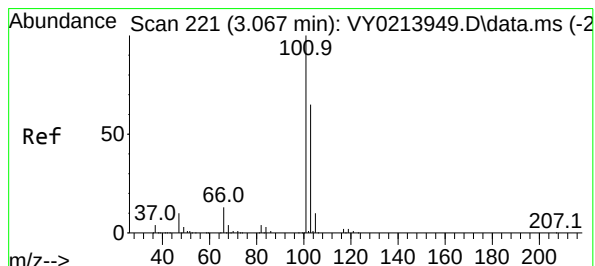
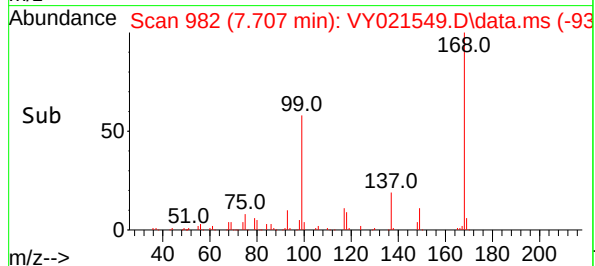
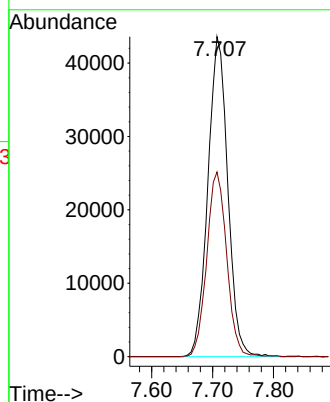
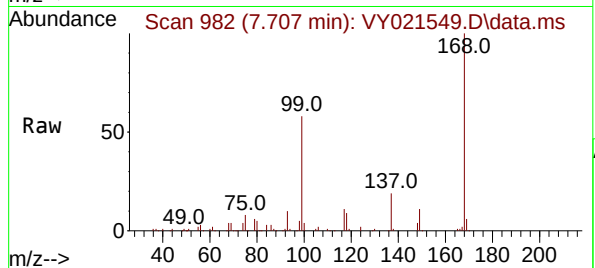




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.707 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY021549.D  
Acq: 17 Mar 2025 14:26

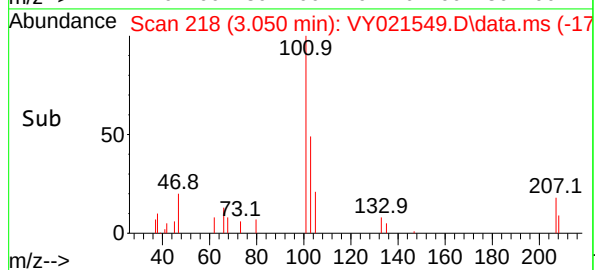
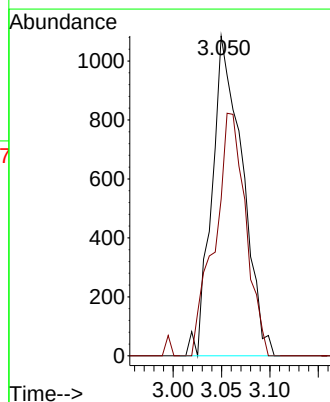
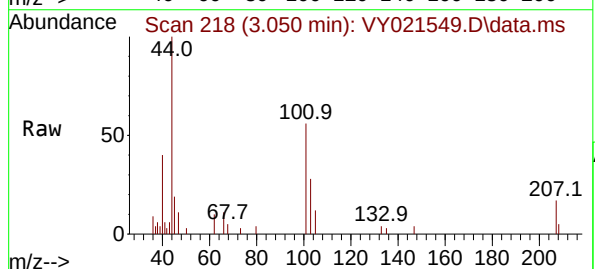
Instrument :  
MSVOA\_Y  
ClientSampleId :  
WC1

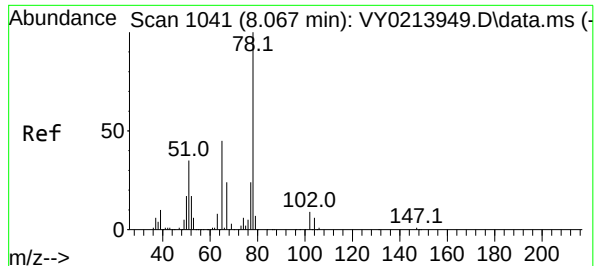
Tgt Ion:168 Resp: 98896  
Ion Ratio Lower Upper  
168 100  
99 57.7 46.0 69.0



#7  
Trichlorofluoromethane  
Concen: 1.217 ug/l  
RT: 3.050 min Scan# 218  
Delta R.T. -0.018 min  
Lab File: VY021549.D  
Acq: 17 Mar 2025 14:26

Tgt Ion:101 Resp: 2375  
Ion Ratio Lower Upper  
101 100  
103 49.0 51.7 77.5#





#33

1,2-Dichloroethane-d4

Concen: 49.032 ug/l

RT: 8.055 min Scan# 1039

Delta R.T. -0.012 min

Lab File: VY021549.D

Acq: 17 Mar 2025 14:26

Instrument :

MSVOA\_Y

ClientSampleId :

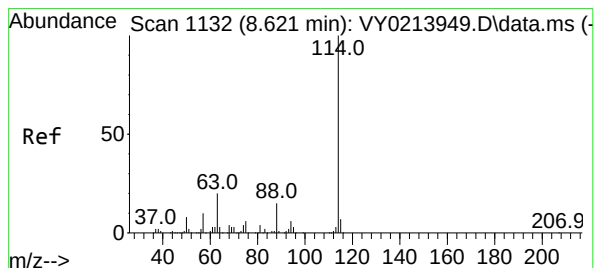
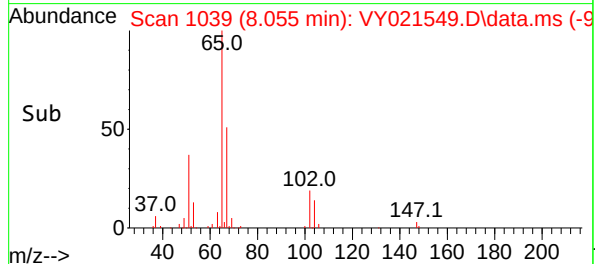
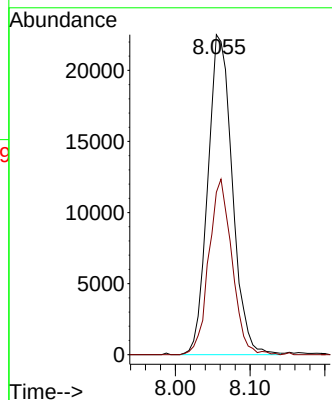
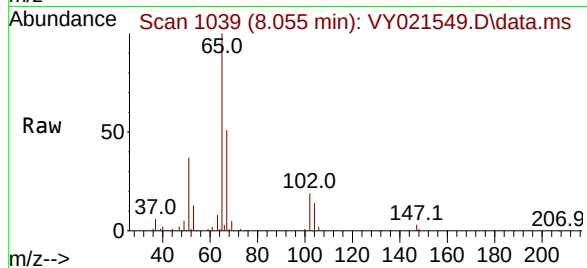
WC1

Tgt Ion: 65 Resp: 51252

Ion Ratio Lower Upper

65 100

67 51.8 0.0 102.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.006 min

Lab File: VY021549.D

Acq: 17 Mar 2025 14:26

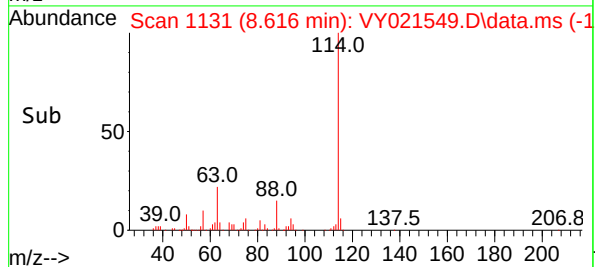
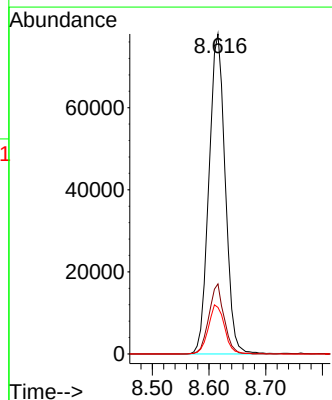
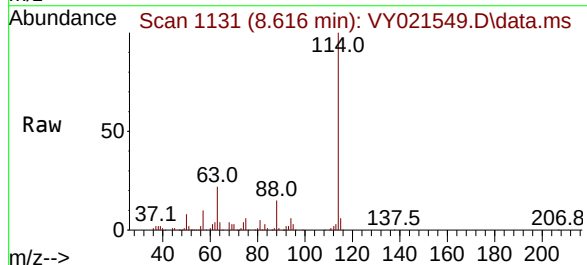
Tgt Ion: 114 Resp: 155221

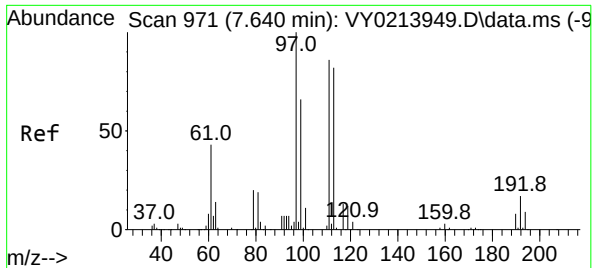
Ion Ratio Lower Upper

114 100

63 21.9 0.0 40.8

88 14.5 0.0 30.8





#35

Dibromofluoromethane

Concen: 53.607 ug/l

RT: 7.634 min Scan# 91

Delta R.T. -0.006 min

Lab File: VY021549.D

Acq: 17 Mar 2025 14:26

Instrument :

MSVOA\_Y

ClientSampleId :

WC1

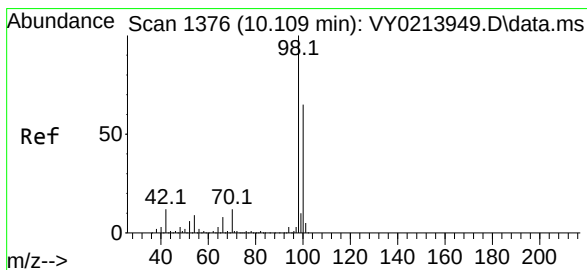
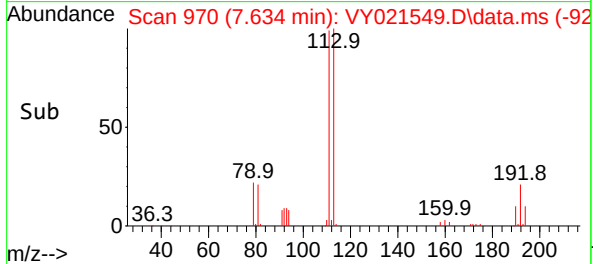
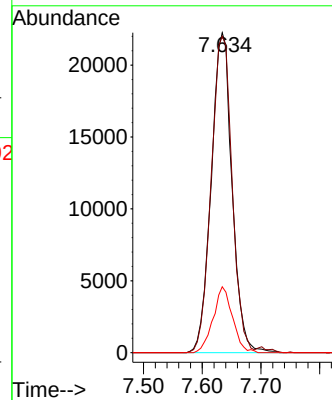
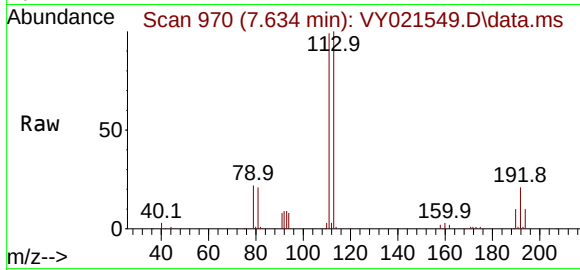
Tgt Ion:113 Resp: 54695

Ion Ratio Lower Upper

113 100

111 99.3 82.0 123.0

192 19.2 15.9 23.9



#50

Toluene-d8

Concen: 45.929 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.000 min

Lab File: VY021549.D

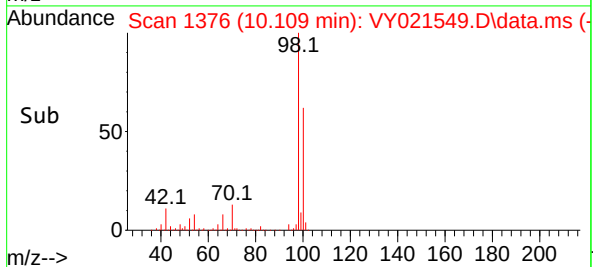
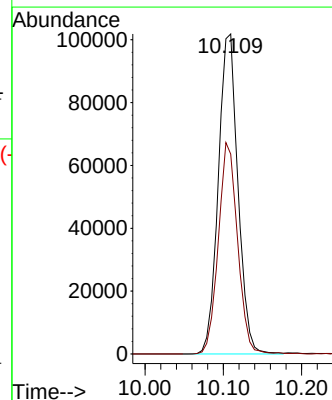
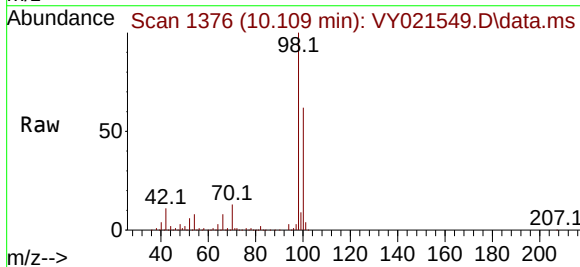
Acq: 17 Mar 2025 14:26

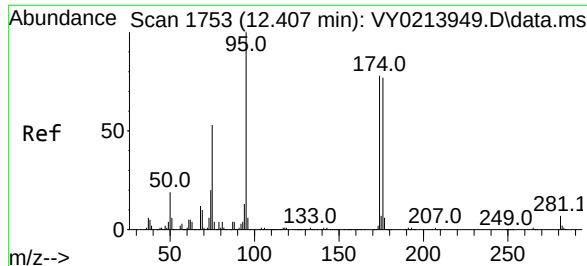
Tgt Ion: 98 Resp: 177431

Ion Ratio Lower Upper

98 100

100 64.8 52.1 78.1





#62

4-Bromofluorobenzene

Concen: 30.131 ug/l

RT: 12.408 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY021549.D

Acq: 17 Mar 2025 14:26

Instrument :

MSVOA\_Y

ClientSampleId :

WC1

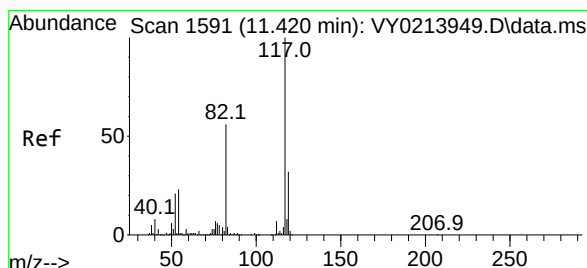
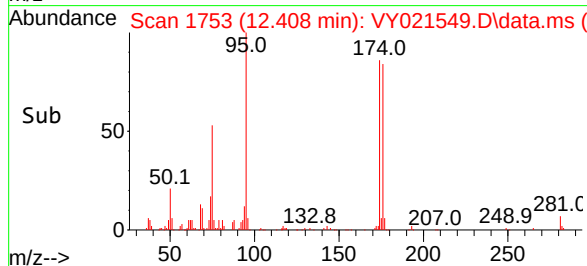
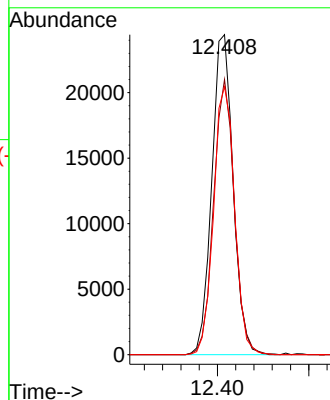
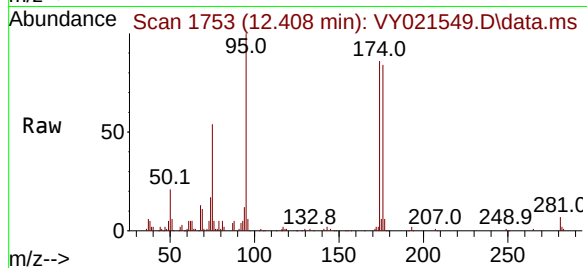
Tgt Ion: 95 Resp: 39595

Ion Ratio Lower Upper

95 100

174 83.4 0.0 165.0

176 82.7 0.0 160.0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 1590

Delta R.T. -0.006 min

Lab File: VY021549.D

Acq: 17 Mar 2025 14:26

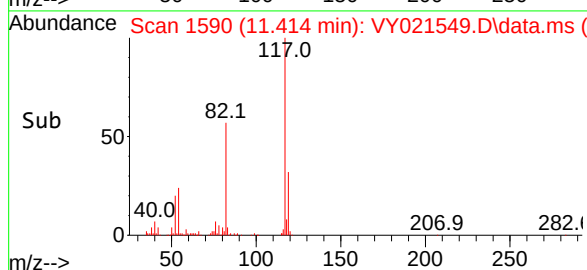
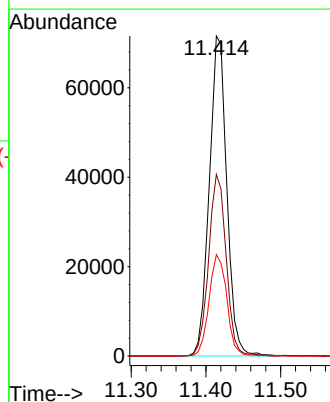
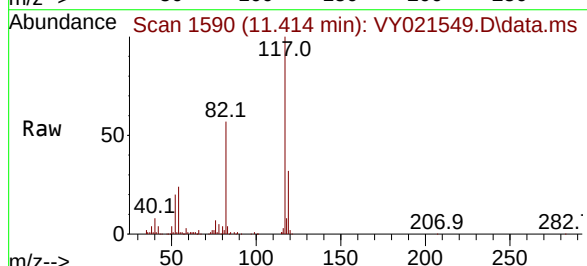
Tgt Ion: 117 Resp: 116517

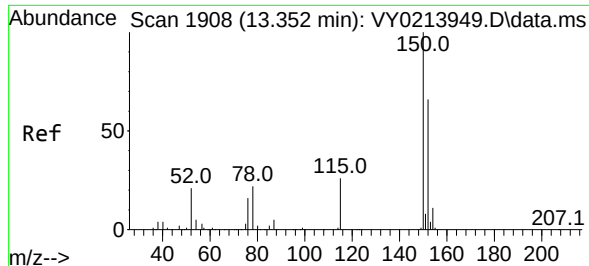
Ion Ratio Lower Upper

117 100

82 56.7 44.6 67.0

119 31.7 25.4 38.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. -0.006 min

Lab File: VY021549.D

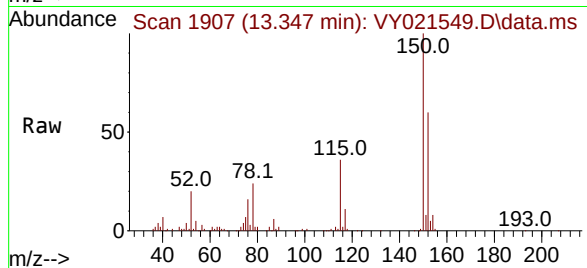
Acq: 17 Mar 2025 14:26

Instrument :

MSVOA\_Y

ClientSampleId :

WC1



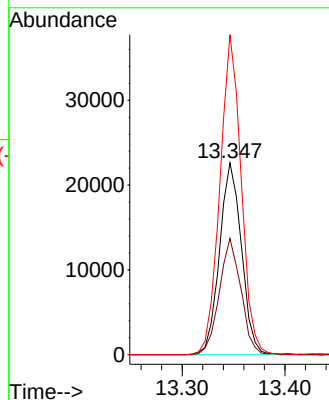
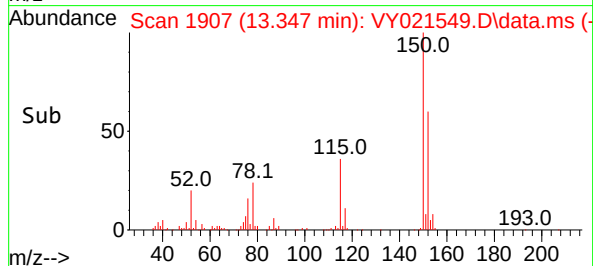
Tgt Ion:152 Resp: 33476

Ion Ratio Lower Upper

152 100

115 59.7 29.0 87.0

150 161.9 0.0 347.2





Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY031725\  
Data File : VY021549.D  
Acq On : 17 Mar 2025 14:26  
Operator : SY/MD  
Sample : Q1574-01  
Misc : 5.02g/5.0mL/MSVOA\_Y/SOIL/A  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
WC1

A  
B  
C  
D  
E  
F  
G  
H  
I  
J

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y030425S.M

Title : SW846 8260

Signal : TIC: VY021549.D\data.ms

| peak<br># | R.T.<br>min | first<br>scan | max<br>scan | last<br>scan | PK<br>TY | peak<br>height | corr.<br>area | corr.<br>% max. | % of<br>total |
|-----------|-------------|---------------|-------------|--------------|----------|----------------|---------------|-----------------|---------------|
| 1         | 2.080       | 52            | 59          | 61           | rBV5     | 2440           | 5173          | 1.07%           | 0.218%        |
| 2         | 4.616       | 465           | 475         | 483          | rVB6     | 4257           | 13531         | 2.81%           | 0.571%        |
| 3         | 5.647       | 635           | 644         | 652          | rVB7     | 2951           | 8706          | 1.81%           | 0.367%        |
| 4         | 6.903       | 844           | 850         | 852          | rBV3     | 2550           | 5160          | 1.07%           | 0.218%        |
| 5         | 7.634       | 960           | 970         | 976          | rBV2     | 75232          | 185249        | 38.47%          | 7.816%        |
| 6         | 7.707       | 976           | 982         | 992          | rVB      | 132093         | 297547        | 61.79%          | 12.554%       |
| 7         | 8.061       | 1027          | 1040        | 1054         | rBV      | 63565          | 152936        | 31.76%          | 6.452%        |
| 8         | 8.616       | 1121          | 1131        | 1144         | rBV      | 188509         | 378732        | 78.65%          | 15.979%       |
| 9         | 10.103      | 1368          | 1375        | 1385         | rBV      | 277116         | 481520        | 100.00%         | 20.315%       |
| 10        | 10.512      | 1435          | 1442        | 1448         | rBV2     | 12172          | 21013         | 4.36%           | 0.887%        |
| 11        | 10.884      | 1498          | 1503        | 1509         | rBV6     | 2569           | 5959          | 1.24%           | 0.251%        |
| 12        | 11.414      | 1582          | 1590        | 1603         | rBV      | 229087         | 372149        | 77.29%          | 15.701%       |
| 13        | 12.408      | 1743          | 1753        | 1763         | rBV2     | 134723         | 227423        | 47.23%          | 9.595%        |
| 14        | 13.347      | 1900          | 1907        | 1915         | rVB      | 142736         | 215123        | 44.68%          | 9.076%        |

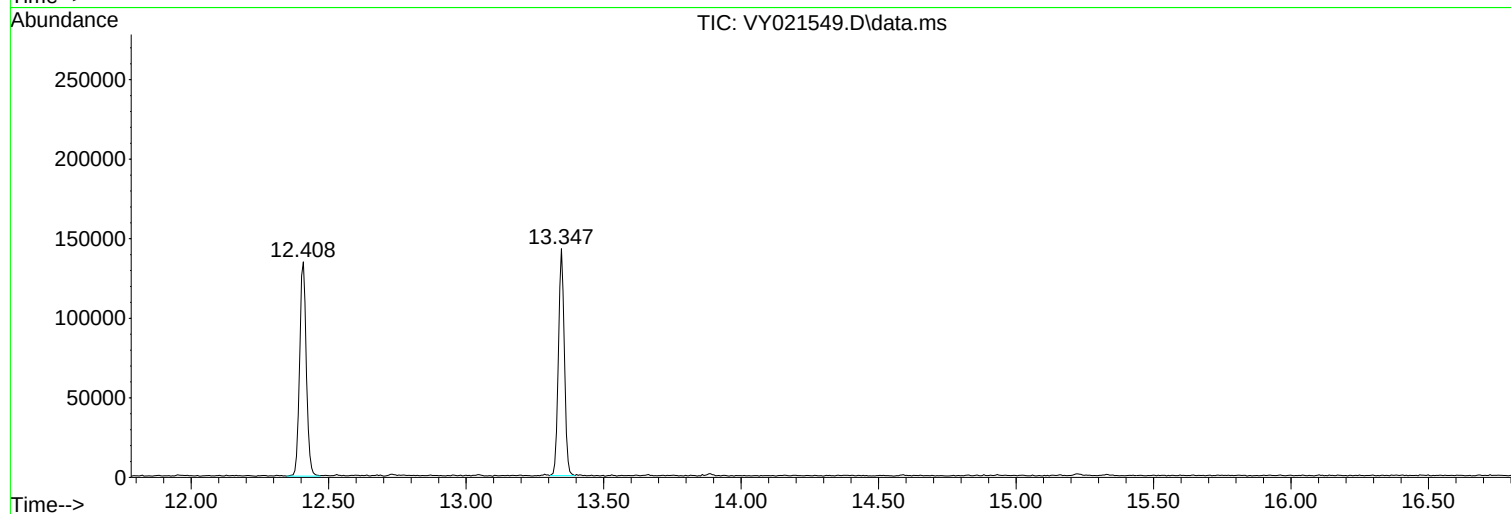
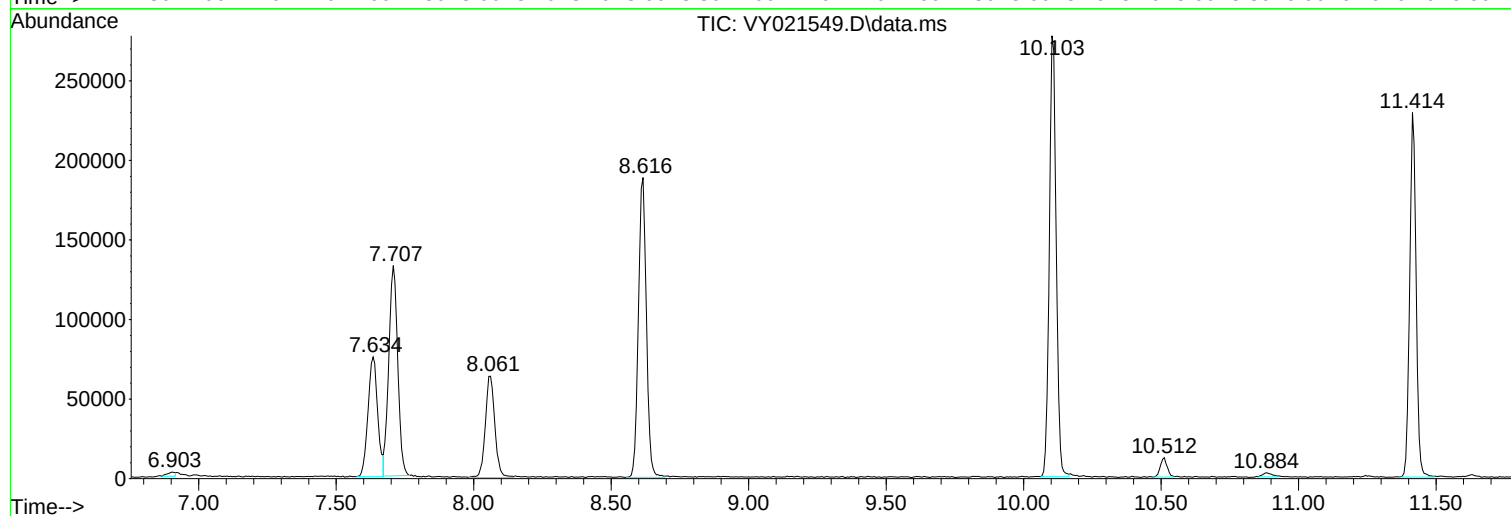
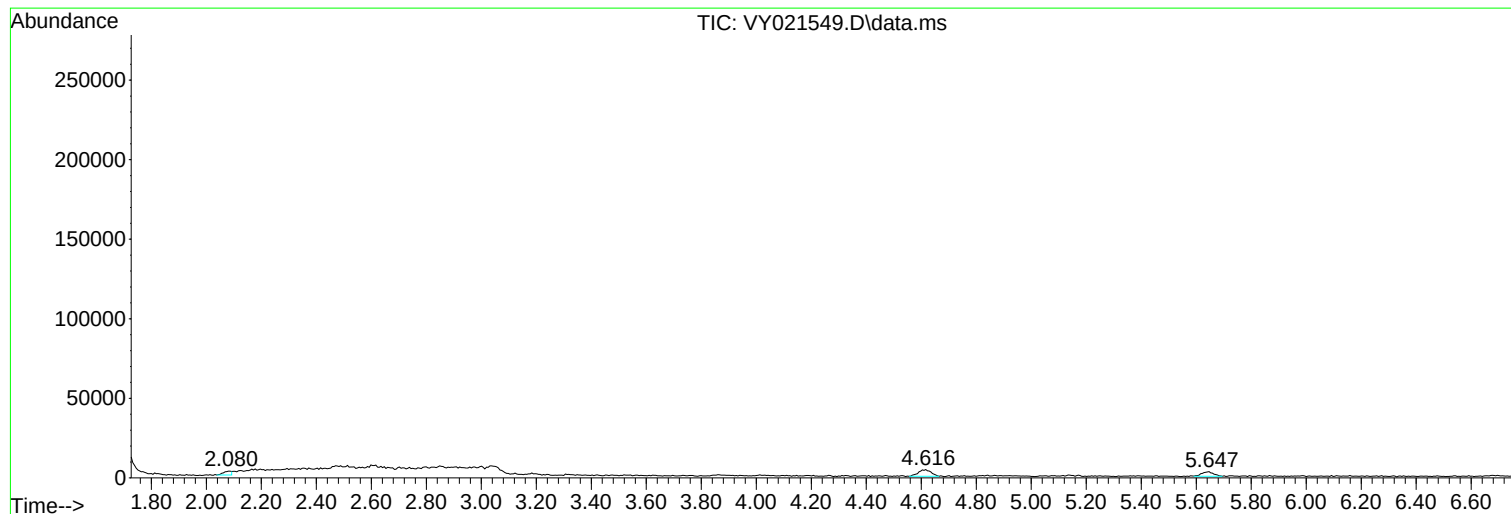
Sum of corrected areas: 2370221

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY031725\  
Data File : VY021549.D  
Acq On : 17 Mar 2025 14:26  
Operator : SY/MD  
Sample : Q1574-01  
Misc : 5.02g/5.0mL/MSVOA\_Y/SOIL/A  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
WC1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y030425S.M  
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY031725\  
Data File : VY021549.D  
Acq On : 17 Mar 2025 14:26  
Operator : SY/MD  
Sample : Q1574-01  
Misc : 5.02g/5.0mL/MSVOA\_Y/SOIL/A  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
WC1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y030425S.M  
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected

\*\*\*\*\*

A

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D

E

F

G

H

I

J

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY031725\  
Data File : VY021549.D  
Acq On : 17 Mar 2025 14:26  
Operator : SY/MD  
Sample : Q1574-01  
Misc : 5.02g/5.0mL/MSVOA\_Y/SOIL/A  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
WC1

A

B

C

D

E

F

G

H

I

J

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y030425S.M  
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

| TIC Top Hit name | RT | EstConc | Units | Response | --Internal Standard-- |    |      |      |
|------------------|----|---------|-------|----------|-----------------------|----|------|------|
|                  |    |         |       |          | #                     | RT | Resp | Conc |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY031725\  
Data File : VY021552.D  
Acq On : 17 Mar 2025 15:55  
Operator : SY/MD  
Sample : Q1574-01RE  
Misc : 5.08g/5.0mL/MSVOA\_Y/SOIL/B  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
WC1RE

A  
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J

Quant Time: Mar 18 01:27:45 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y030425S.M  
Quant Title : SW846 8260  
QLast Update : Wed Mar 05 12:42:45 2025  
Response via : Initial Calibration

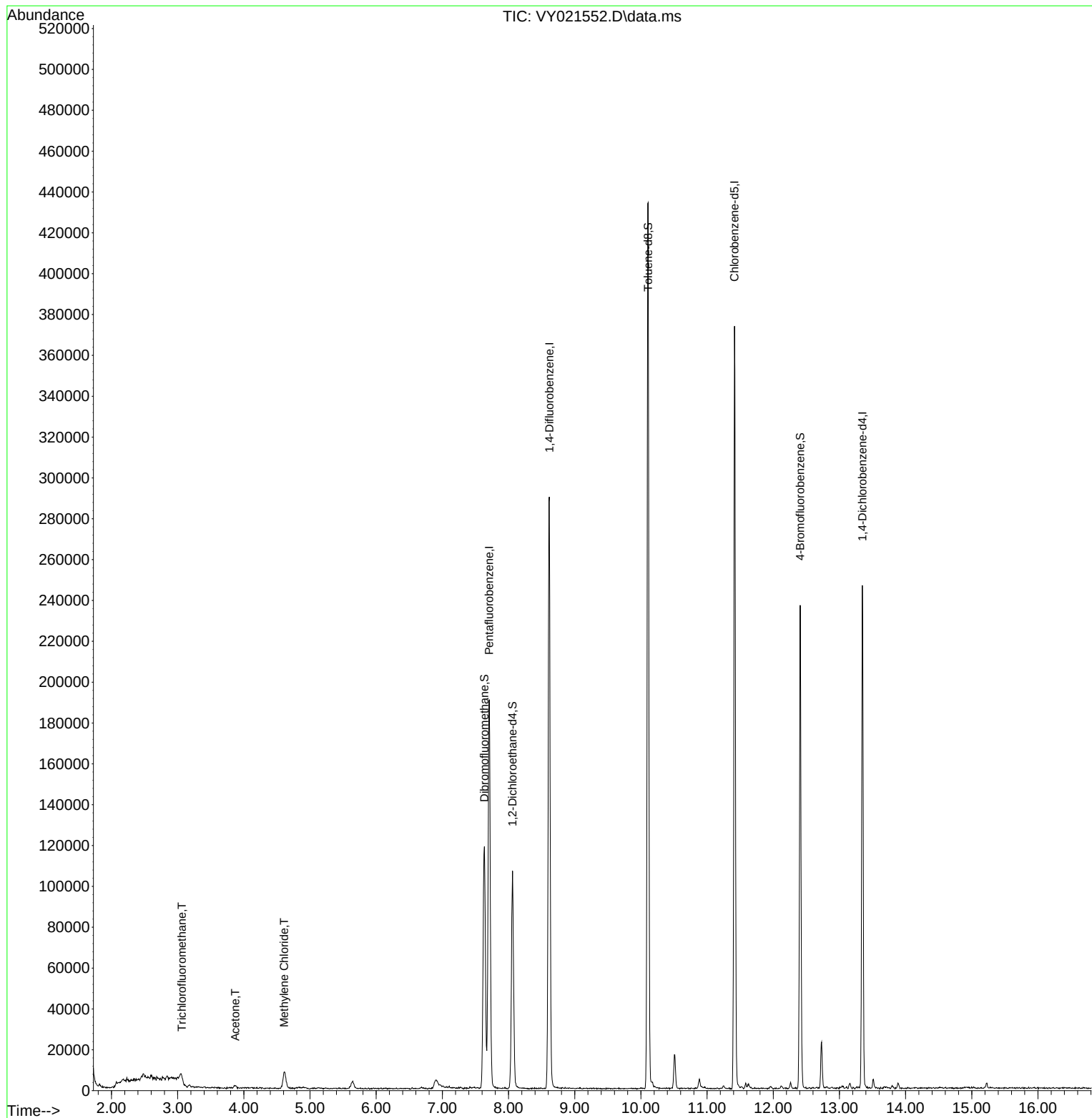
| Compound                    | R.T. QIon |       | Response | Conc     | Units      | Dev(Min) |
|-----------------------------|-----------|-------|----------|----------|------------|----------|
| -----                       |           |       |          |          |            |          |
| Internal Standards          |           |       |          |          |            |          |
| 1) Pentafluorobenzene       | 7.707     | 168   | 140963   | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.616     | 114   | 240910   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5        | 11.414    | 117   | 190816   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.346    | 152   | 59425    | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds |           |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4   | 8.061     | 65    | 81431    | 54.656   | ug/l       | 0.00     |
| Spiked Amount               | 50.000    | Range | 50 - 163 | Recovery | = 109.320% |          |
| 35) Dibromofluoromethane    | 7.634     | 113   | 85268    | 53.847   | ug/l       | 0.00     |
| Spiked Amount               | 50.000    | Range | 54 - 147 | Recovery | = 107.700% |          |
| 50) Toluene-d8              | 10.109    | 98    | 281376   | 46.929   | ug/l       | 0.00     |
| Spiked Amount               | 50.000    | Range | 58 - 134 | Recovery | = 93.860%  |          |
| 62) 4-Bromofluorobenzene    | 12.408    | 95    | 66934    | 32.819   | ug/l       | 0.00     |
| Spiked Amount               | 50.000    | Range | 30 - 143 | Recovery | = 65.640%  |          |
| Target Compounds            |           |       |          |          |            |          |
|                             |           |       |          |          |            | Qvalue   |
| 7) Trichlorofluoromethane   | 3.062     | 101   | 4547     | 1.635    | ug/l #     | 81       |
| 16) Acetone                 | 3.873     | 43    | 2142     | 6.592    | ug/l #     | 89       |
| 20) Methylene Chloride      | 4.610     | 84    | 5855     | 3.432    | ug/l #     | 91       |

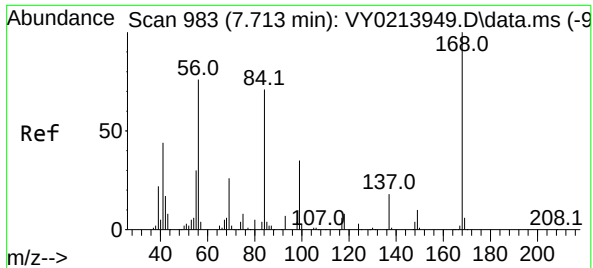
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY031725\  
Data File : VY021552.D  
Acq On : 17 Mar 2025 15:55  
Operator : SY/MD  
Sample : Q1574-01RE  
Misc : 5.08g/5.0mL/MSVOA\_Y/SOIL/B  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
WC1RE

Quant Time: Mar 18 01:27:45 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y030425S.M  
Quant Title : SW846 8260  
QLast Update : Wed Mar 05 12:42:45 2025  
Response via : Initial Calibration

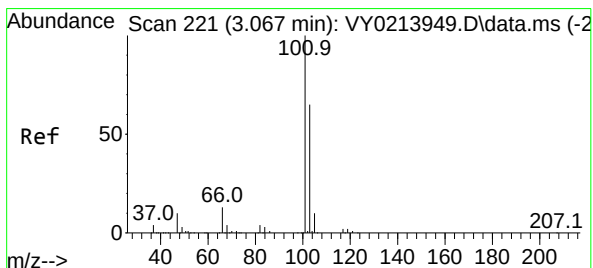
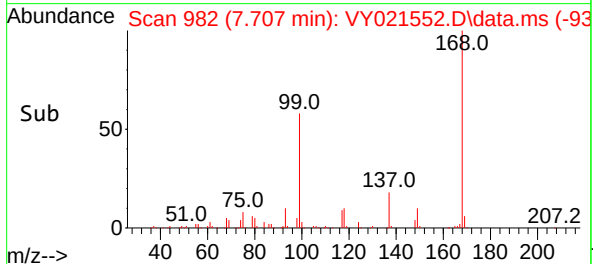
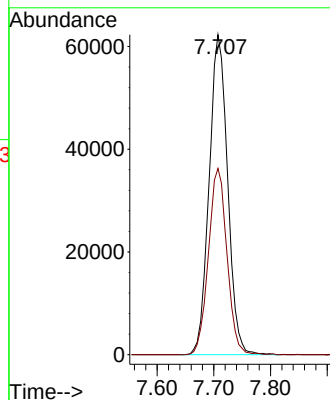
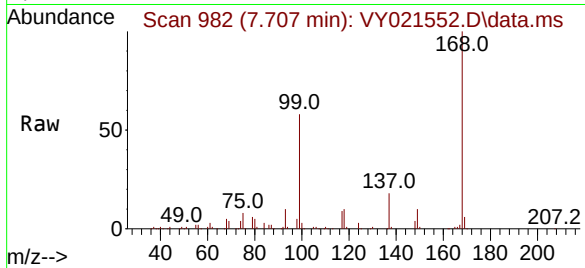




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.707 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY021552.D  
Acq: 17 Mar 2025 15:55

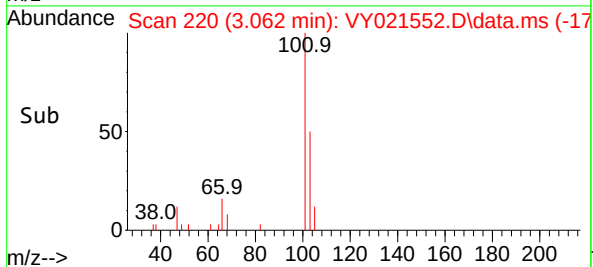
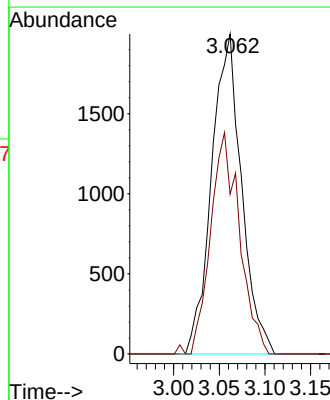
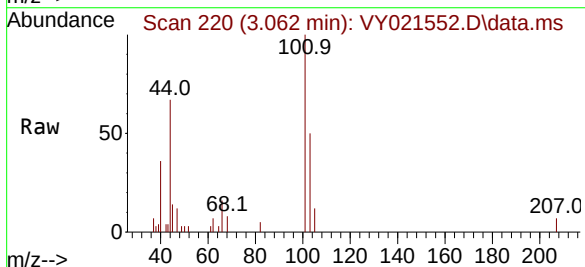
Instrument :  
MSVOA\_Y  
ClientSampleId :  
WC1RE

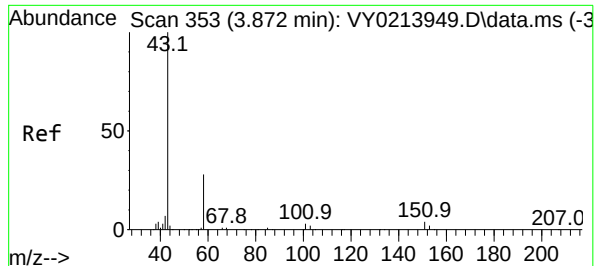
Tgt Ion:168 Resp: 140963  
Ion Ratio Lower Upper  
168 100  
99 58.2 46.0 69.0



#7  
Trichlorofluoromethane  
Concen: 1.635 ug/l  
RT: 3.062 min Scan# 220  
Delta R.T. -0.006 min  
Lab File: VY021552.D  
Acq: 17 Mar 2025 15:55

Tgt Ion:101 Resp: 4547  
Ion Ratio Lower Upper  
101 100  
103 49.9 51.7 77.5#





#16

Acetone

Concen: 6.592 ug/l

RT: 3.873 min Scan# 3

Delta R.T. 0.001 min

Lab File: VY021552.D

Acq: 17 Mar 2025 15:55

Instrument :

MSVOA\_Y

ClientSampleId :

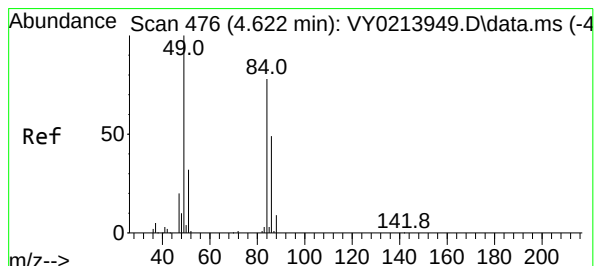
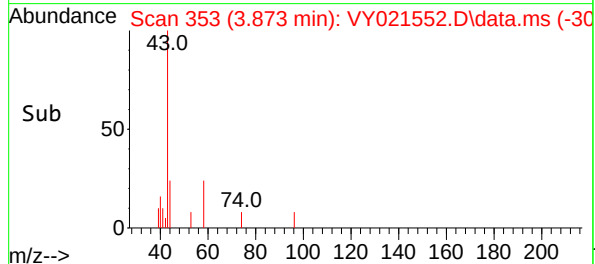
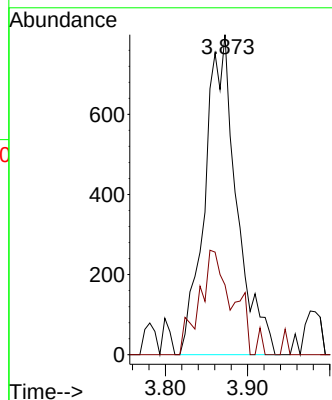
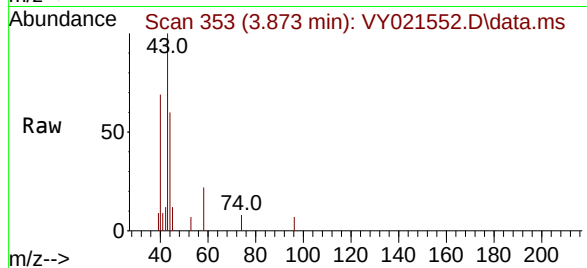
WC1RE

Tgt Ion: 43 Resp: 2142

Ion Ratio Lower Upper

43 100

58 21.8 22.1 33.1#



#20

Methylene Chloride

Concen: 3.432 ug/l

RT: 4.610 min Scan# 474

Delta R.T. -0.012 min

Lab File: VY021552.D

Acq: 17 Mar 2025 15:55

Tgt Ion: 84 Resp: 5855

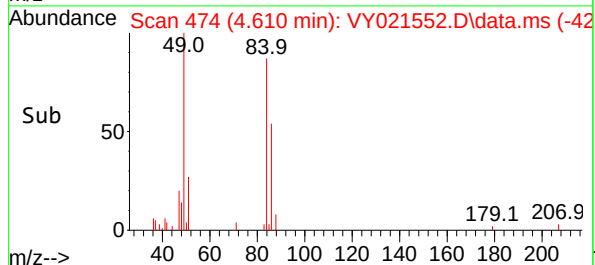
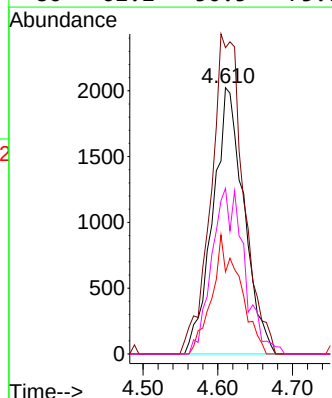
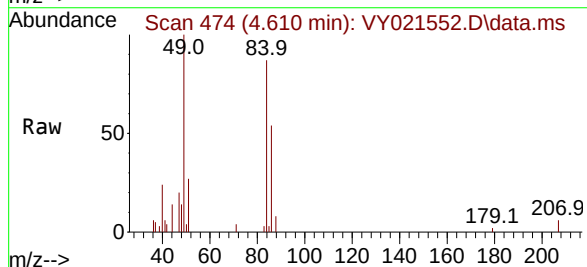
Ion Ratio Lower Upper

84 100

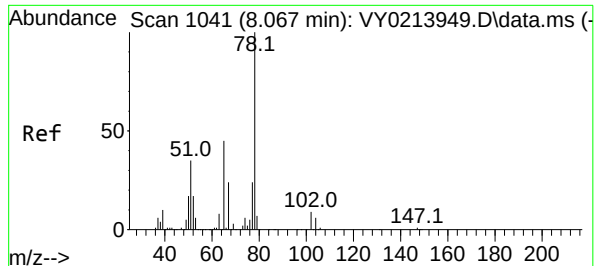
49 115.0 102.0 153.0

51 30.8 33.0 49.6#

86 62.2 50.5 75.7







#33

1,2-Dichloroethane-d4

Concen: 54.656 ug/l

RT: 8.061 min Scan# 110

Delta R.T. -0.006 min

Lab File: VY021552.D

Acq: 17 Mar 2025 15:55

Instrument :

MSVOA\_Y

ClientSampleId :

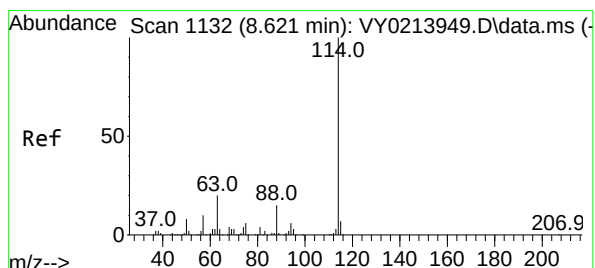
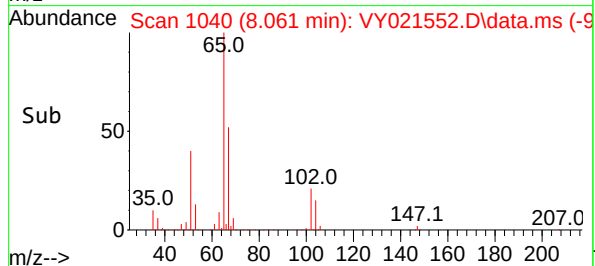
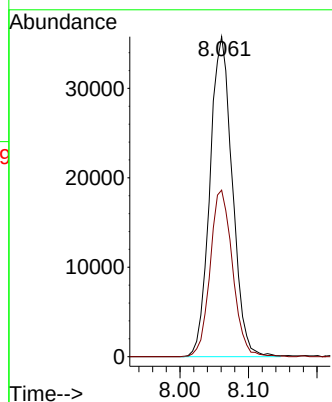
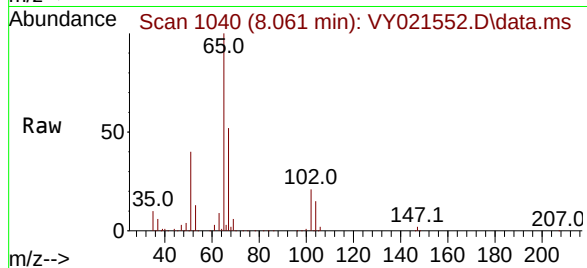
WC1RE

Tgt Ion: 65 Resp: 81431

Ion Ratio Lower Upper

65 100

67 52.1 0.0 102.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.006 min

Lab File: VY021552.D

Acq: 17 Mar 2025 15:55

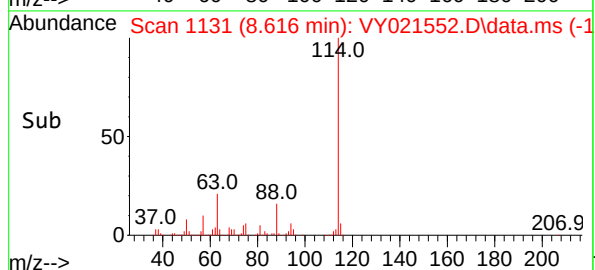
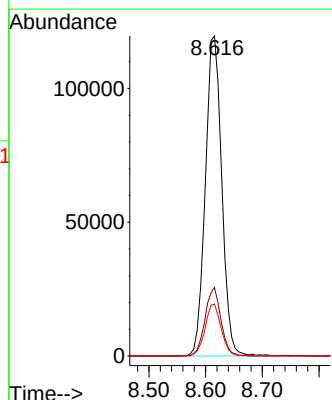
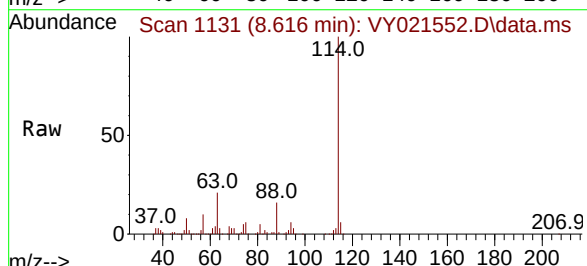
Tgt Ion: 114 Resp: 240910

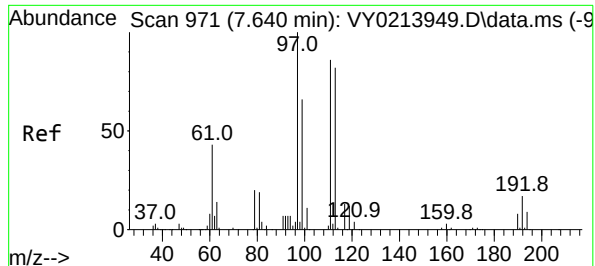
Ion Ratio Lower Upper

114 100

63 21.5 0.0 40.8

88 16.2 0.0 30.8





#35

Dibromofluoromethane

Concen: 53.847 ug/l

RT: 7.634 min Scan# 91

Delta R.T. -0.006 min

Lab File: VY021552.D

Acq: 17 Mar 2025 15:55

Instrument :

MSVOA\_Y

ClientSampleId :

WC1RE

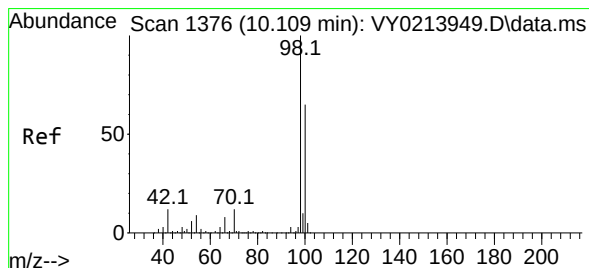
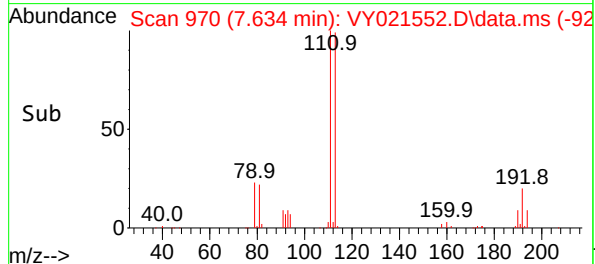
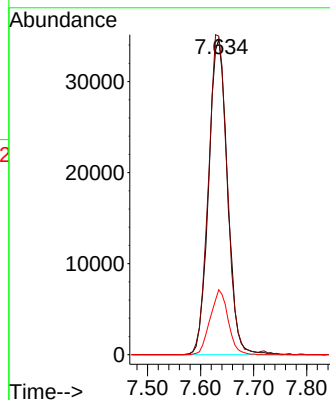
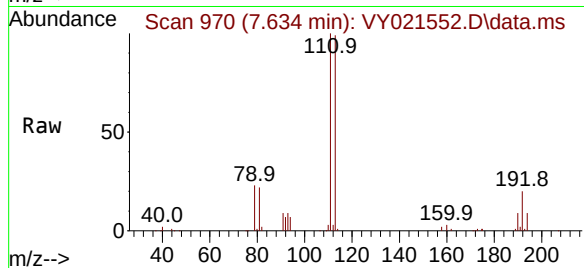
Tgt Ion:113 Resp: 85268

Ion Ratio Lower Upper

113 100

111 101.4 82.0 123.0

192 19.6 15.9 23.9



#50

Toluene-d8

Concen: 46.929 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.000 min

Lab File: VY021552.D

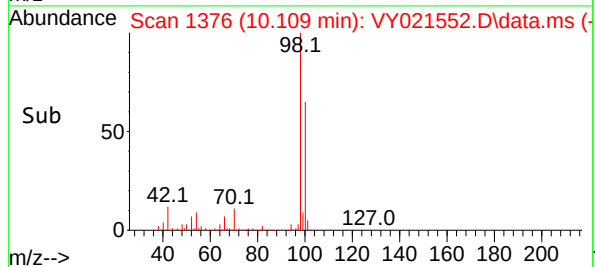
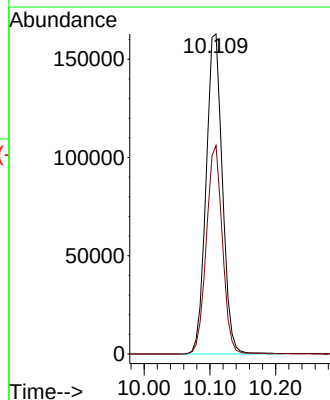
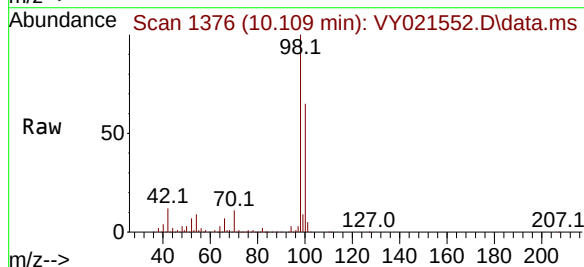
Acq: 17 Mar 2025 15:55

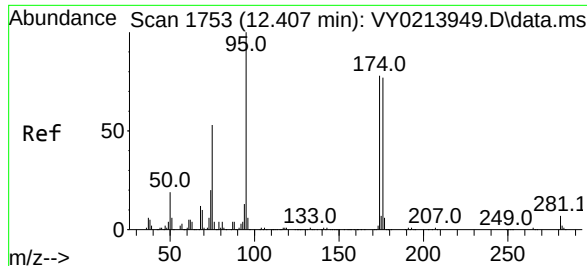
Tgt Ion: 98 Resp: 281376

Ion Ratio Lower Upper

98 100

100 64.0 52.1 78.1





#62

4-Bromofluorobenzene

Concen: 32.819 ug/l

RT: 12.408 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY021552.D

Acq: 17 Mar 2025 15:55

Instrument :

MSVOA\_Y

ClientSampleId :

WC1RE

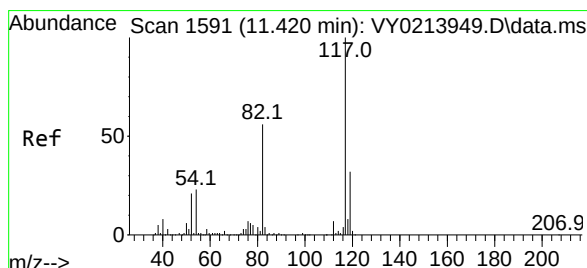
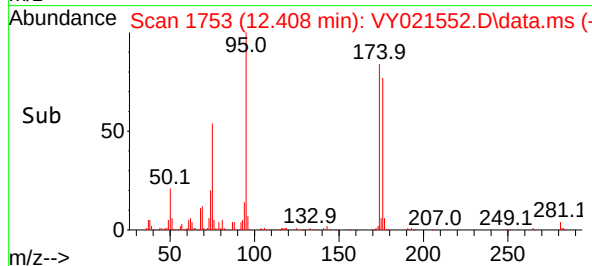
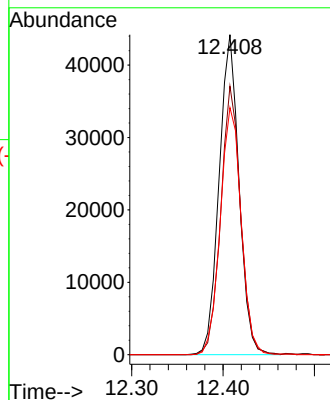
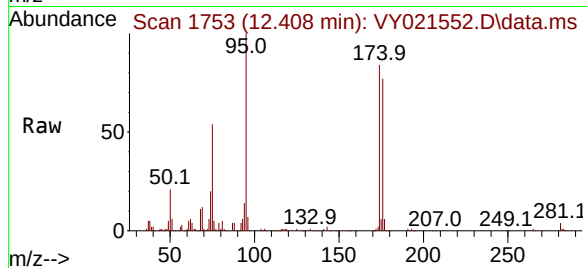
Tgt Ion: 95 Resp: 66934

Ion Ratio Lower Upper

95 100

174 83.7 0.0 165.0

176 81.2 0.0 160.0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 1590

Delta R.T. -0.006 min

Lab File: VY021552.D

Acq: 17 Mar 2025 15:55

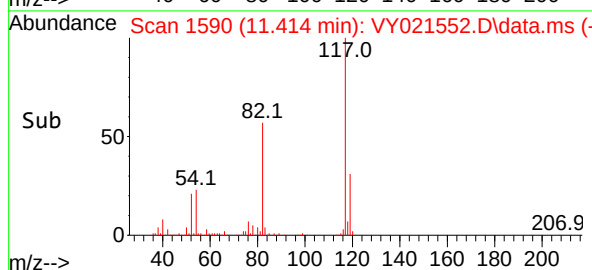
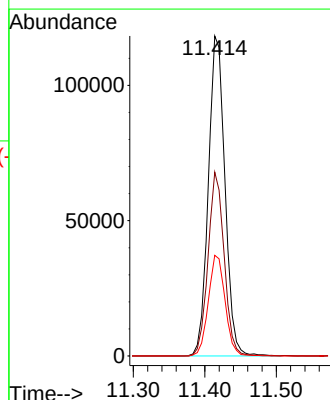
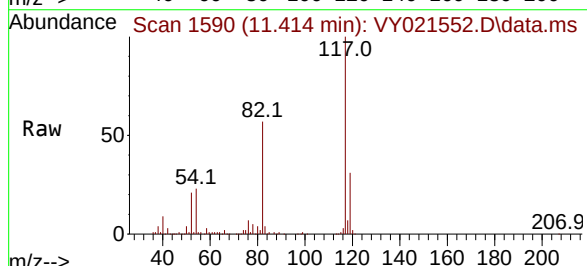
Tgt Ion: 117 Resp: 190816

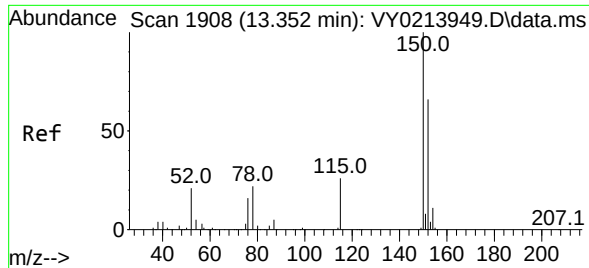
Ion Ratio Lower Upper

117 100

82 57.4 44.6 67.0

119 31.5 25.4 38.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.006 min

Lab File: VY021552.D

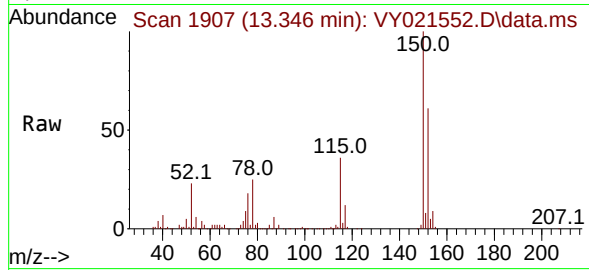
Acq: 17 Mar 2025 15:55

Instrument :

MSVOA\_Y

ClientSampleId :

WC1RE



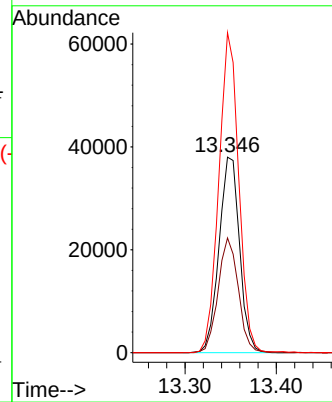
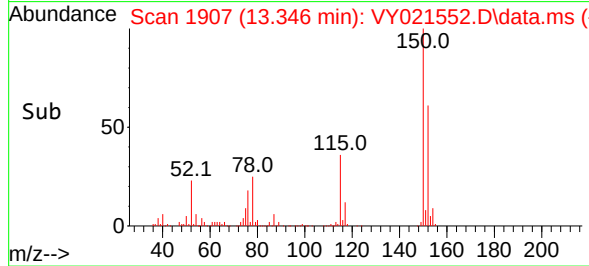
Tgt Ion:152 Resp: 59425

Ion Ratio Lower Upper

152 100

115 57.5 29.0 87.0

150 158.6 0.0 347.2



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY031725\  
 Data File : VY021544.D  
 Acq On : 17 Mar 2025 10:39  
 Operator : SY/MD  
 Sample : VY0317SBL01  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0317SBL01

A  
B  
C  
D  
E  
F  
G  
H  
I  
J

Quant Time: Mar 18 01:26:02 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y030425S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Mar 05 12:42:45 2025  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.707  | 168  | 272314   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.616  | 114  | 493002   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.414 | 117  | 420924   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.347 | 152  | 158203   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.061  | 65    | 151236   | 52.545   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 105.100% |
| 35) Dibromofluoromethane    | 7.634  | 113   | 162364   | 50.103   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 100.200% |
| 50) Toluene-d8              | 10.109 | 98    | 591441   | 48.203   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 96.400%  |
| 62) 4-Bromofluorobenzene    | 12.408 | 95    | 171451   | 41.079   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =    | 82.160%  |

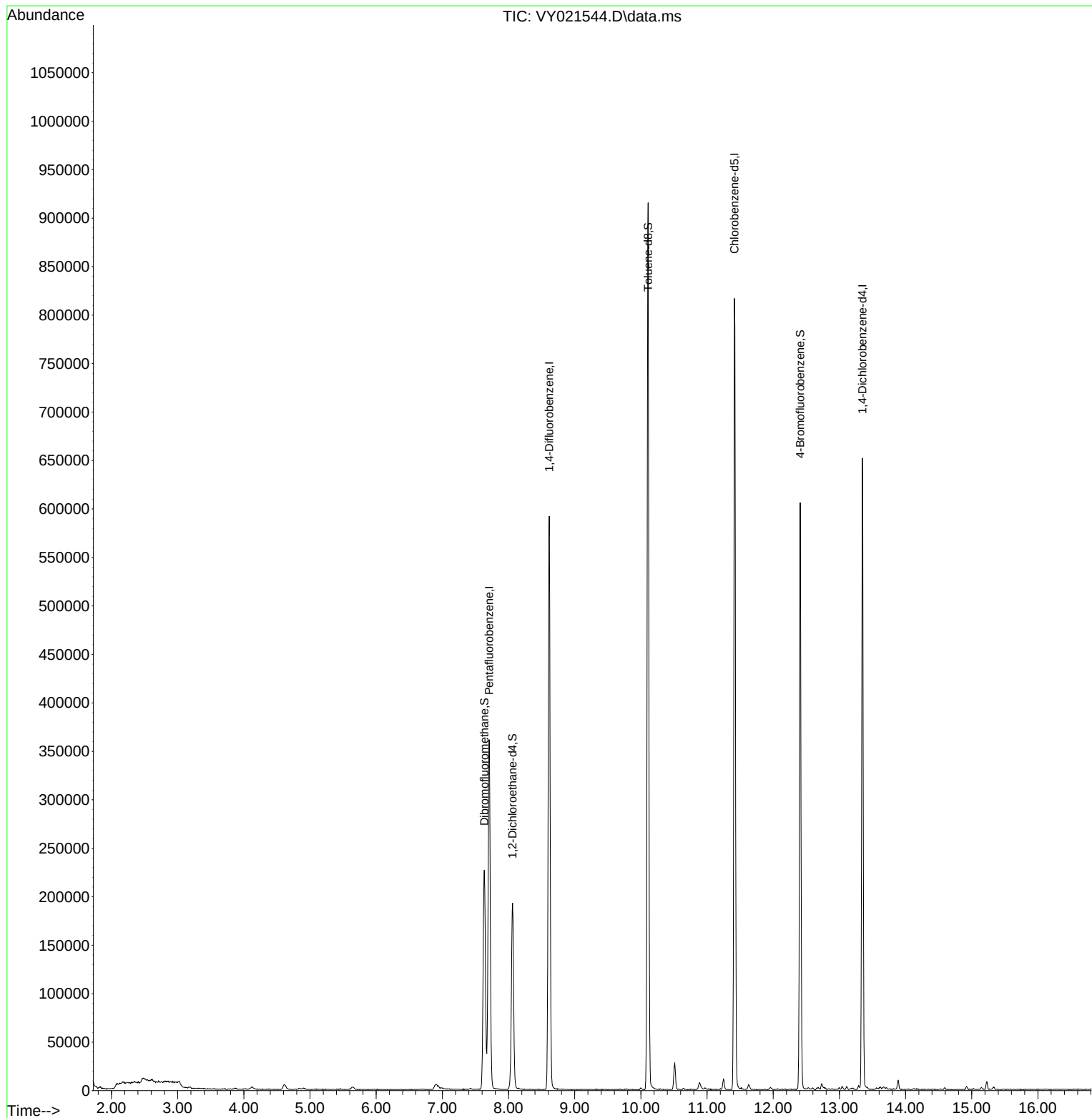
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

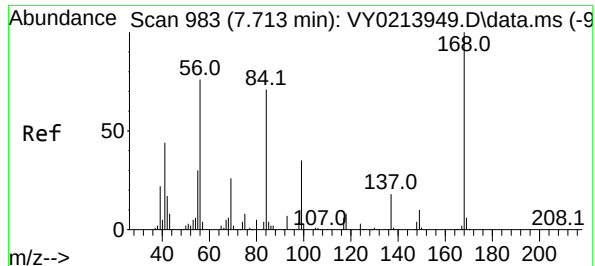
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY031725\  
Data File : VY021544.D  
Acq On : 17 Mar 2025 10:39  
Operator : SY/MD  
Sample : VY0317SBL01  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0317SBL01

Quant Time: Mar 18 01:26:02 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y030425S.M  
Quant Title : SW846 8260  
QLast Update : Wed Mar 05 12:42:45 2025  
Response via : Initial Calibration

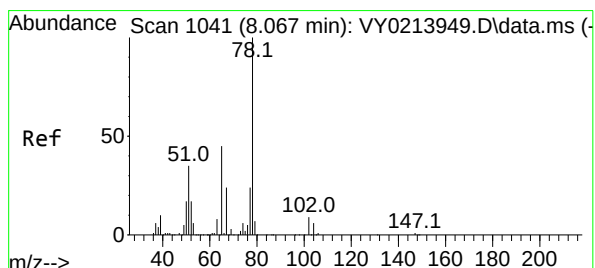
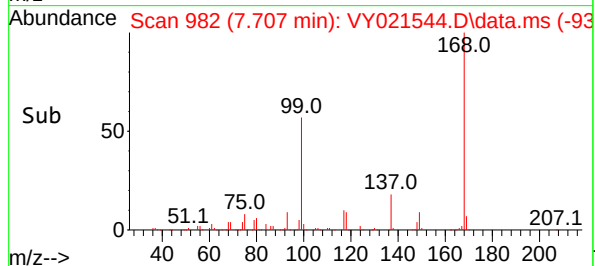
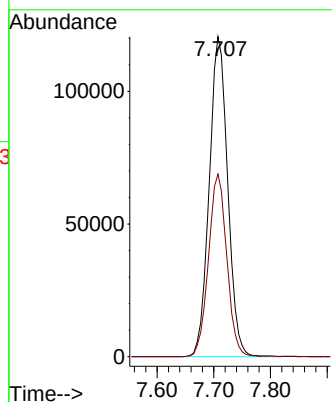
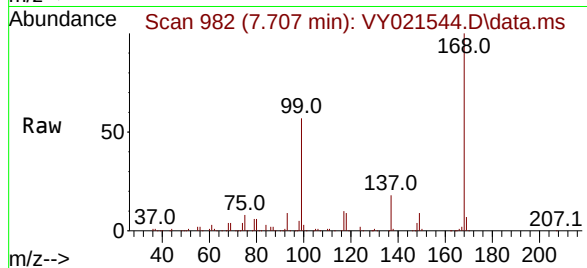




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.707 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY021544.D  
Acq: 17 Mar 2025 10:39

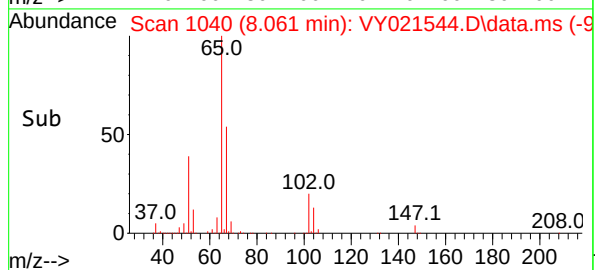
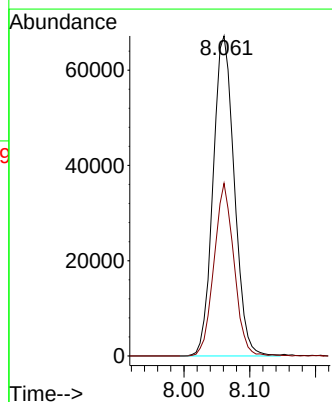
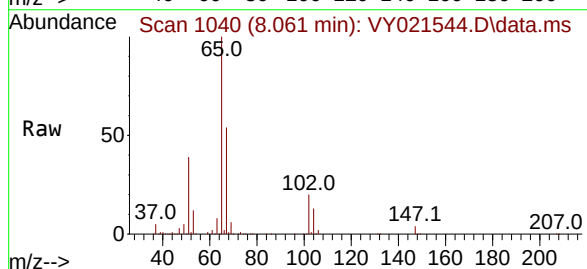
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0317SBL01

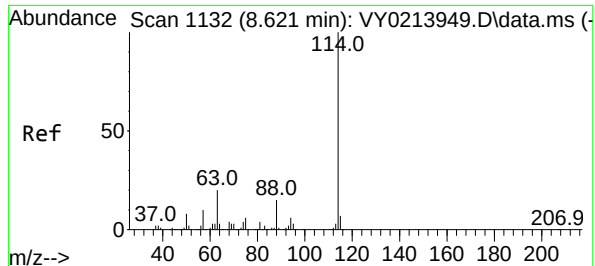
Tgt Ion:168 Resp: 272314  
Ion Ratio Lower Upper  
168 100  
99 57.0 46.0 69.0



#33  
1,2-Dichloroethane-d4  
Concen: 52.545 ug/l  
RT: 8.061 min Scan# 1040  
Delta R.T. -0.006 min  
Lab File: VY021544.D  
Acq: 17 Mar 2025 10:39

Tgt Ion: 65 Resp: 151236  
Ion Ratio Lower Upper  
65 100  
67 50.8 0.0 102.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1132

Delta R.T. -0.006 min

Lab File: VY021544.D

Acq: 17 Mar 2025 10:39

Instrument :

MSVOA\_Y

ClientSampleId :

VY0317SBL01

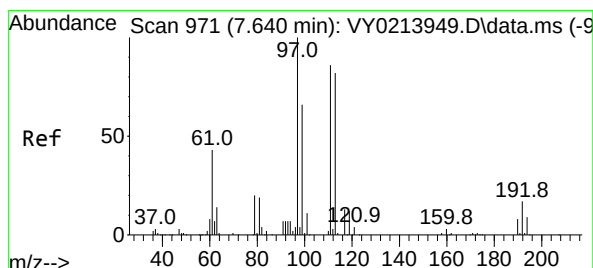
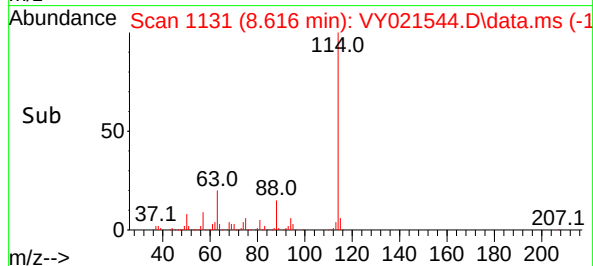
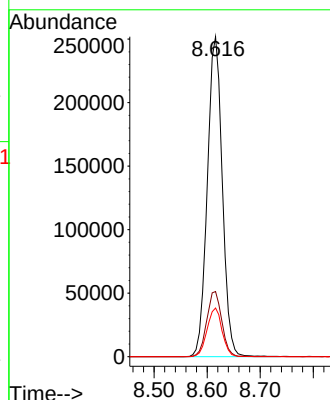
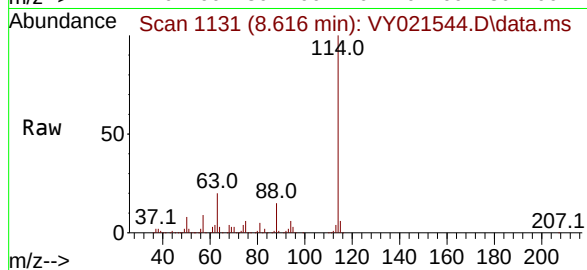
Tgt Ion:114 Resp: 493002

Ion Ratio Lower Upper

114 100

63 20.4 0.0 40.8

88 15.2 0.0 30.8



#35

Dibromofluoromethane

Concen: 50.103 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.006 min

Lab File: VY021544.D

Acq: 17 Mar 2025 10:39

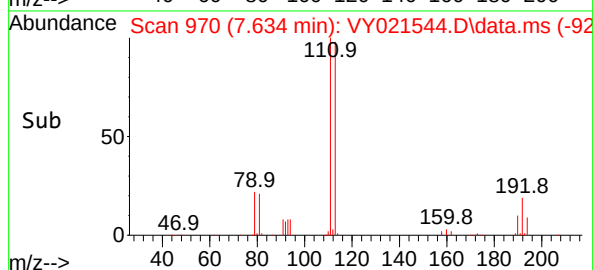
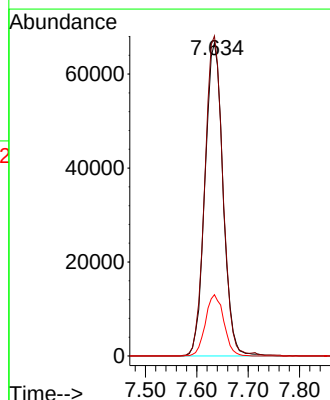
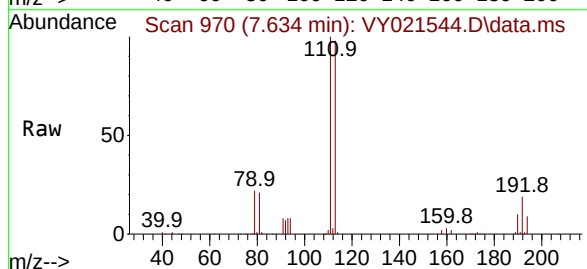
Tgt Ion:113 Resp: 162364

Ion Ratio Lower Upper

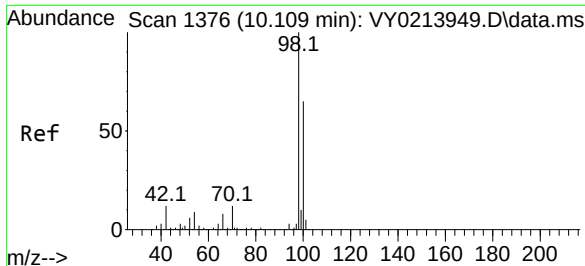
113 100

111 102.3 82.0 123.0

192 19.9 15.9 23.9







#50

Toluene-d8

Concen: 48.203 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.000 min

Lab File: VY021544.D

Acq: 17 Mar 2025 10:39

Instrument :

MSVOA\_Y

ClientSampleId :

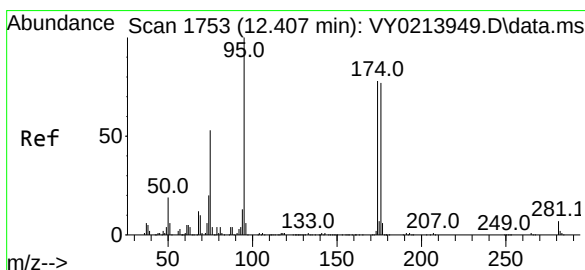
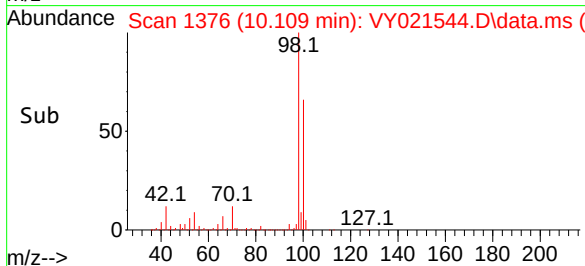
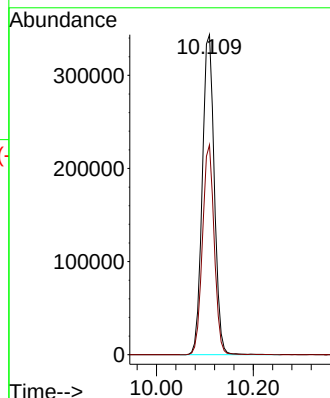
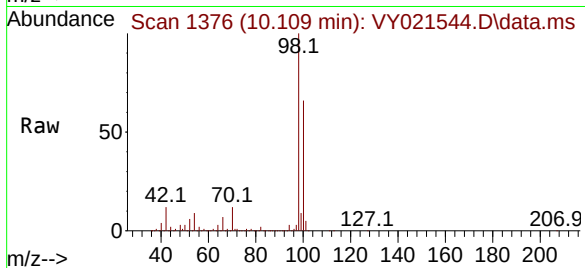
VY0317SBL01

Tgt Ion: 98 Resp: 591441

Ion Ratio Lower Upper

98 100

100 64.2 52.1 78.1



#62

4-Bromofluorobenzene

Concen: 41.079 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.000 min

Lab File: VY021544.D

Acq: 17 Mar 2025 10:39

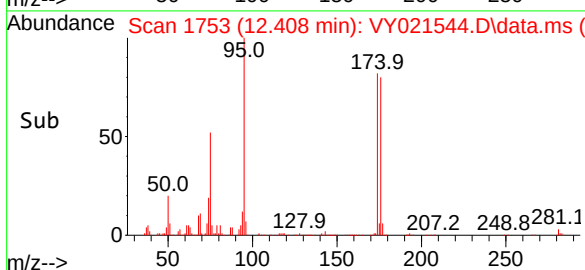
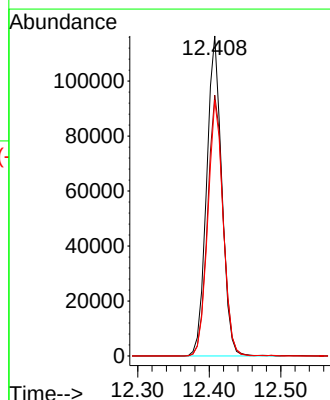
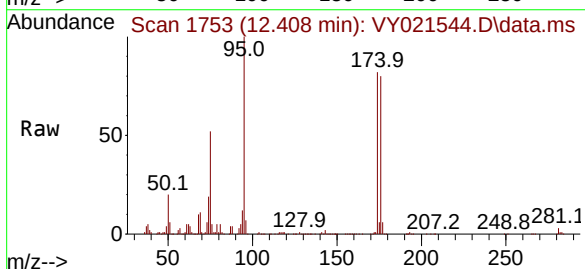
Tgt Ion: 95 Resp: 171451

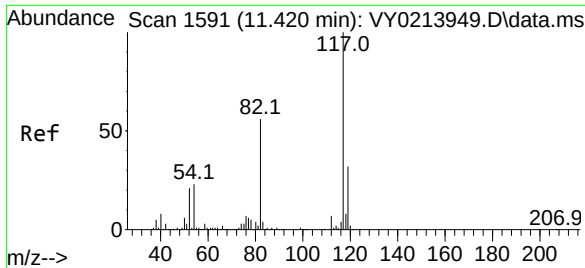
Ion Ratio Lower Upper

95 100

174 83.5 0.0 165.0

176 80.3 0.0 160.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY021544.D

Acq: 17 Mar 2025 10:39

Instrument :

MSVOA\_Y

ClientSampleId :

VY0317SBL01

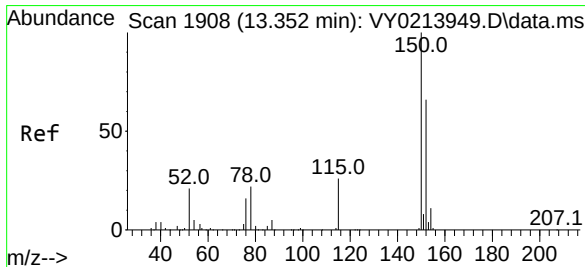
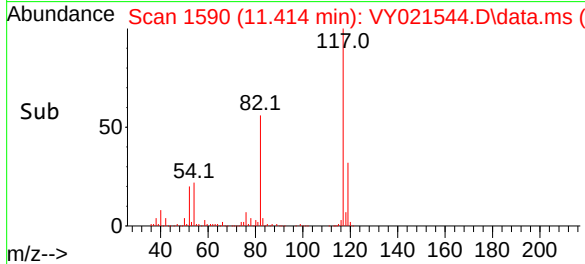
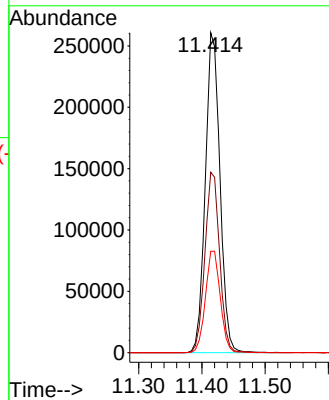
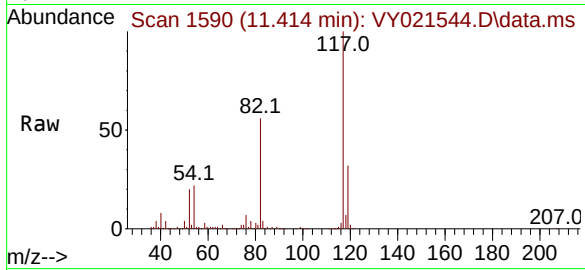
Tgt Ion:117 Resp: 420924

Ion Ratio Lower Upper

117 100

82 56.4 44.6 67.0

119 31.7 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. -0.006 min

Lab File: VY021544.D

Acq: 17 Mar 2025 10:39

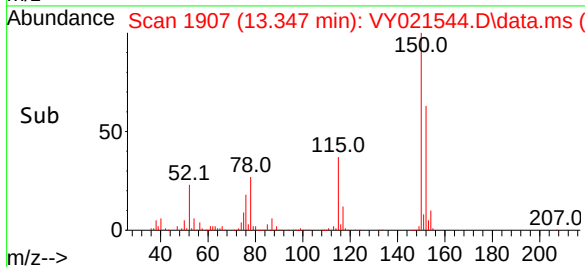
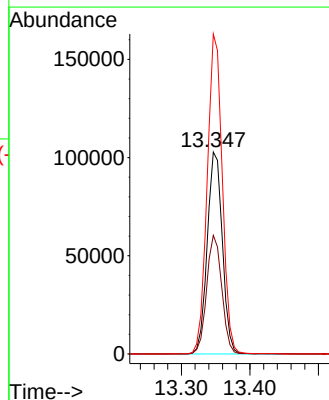
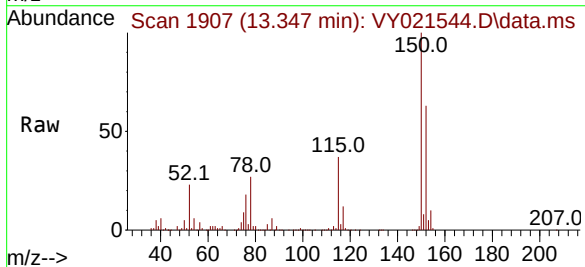
Tgt Ion:152 Resp: 158203

Ion Ratio Lower Upper

152 100

115 58.7 29.0 87.0

150 157.5 0.0 347.2



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY031725\  
 Data File : VY021544.D  
 Acq On : 17 Mar 2025 10:39  
 Operator : SY/MD  
 Sample : VY0317SBL01  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0317SBL01

A  
B  
C  
D  
E  
F  
G  
H  
I  
J

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y030425S.M

Title : SW846 8260

Signal : TIC: VY021544.D\data.ms

| peak<br># | R.T.<br>min | first<br>scan | max<br>scan | last<br>scan | PK<br>TY | peak<br>height | corr.<br>area | corr.<br>% max. | % of<br>total |
|-----------|-------------|---------------|-------------|--------------|----------|----------------|---------------|-----------------|---------------|
| 1         | 6.909       | 840           | 851         | 854          | rBV3     | 5510           | 16941         | 1.06%           | 0.213%        |
| 2         | 7.634       | 960           | 970         | 976          | rBV      | 225948         | 552926        | 34.76%          | 6.961%        |
| 3         | 7.707       | 976           | 982         | 995          | rVB      | 360132         | 814631        | 51.20%          | 10.255%       |
| 4         | 8.061       | 1029          | 1040        | 1052         | rBV      | 192099         | 449469        | 28.25%          | 5.658%        |
| 5         | 8.616       | 1121          | 1131        | 1145         | rBV      | 591476         | 1168708       | 73.46%          | 14.713%       |
| 6         | 10.109      | 1367          | 1376        | 1396         | rBV      | 915093         | 1590924       | 100.00%         | 20.028%       |
| 7         | 10.512      | 1435          | 1442        | 1449         | rVB      | 26716          | 49257         | 3.10%           | 0.620%        |
| 8         | 10.884      | 1496          | 1503        | 1512         | rBV3     | 7083           | 17666         | 1.11%           | 0.222%        |
| 9         | 11.249      | 1558          | 1563        | 1570         | rVB3     | 10795          | 18480         | 1.16%           | 0.233%        |
| 10        | 11.414      | 1583          | 1590        | 1603         | rBV      | 816209         | 1336405       | 84.00%          | 16.824%       |
| 11        | 12.408      | 1743          | 1753        | 1764         | rBV      | 605578         | 943278        | 59.29%          | 11.875%       |
| 12        | 13.347      | 1901          | 1907        | 1918         | rBV      | 649321         | 984750        | 61.90%          | 12.397%       |

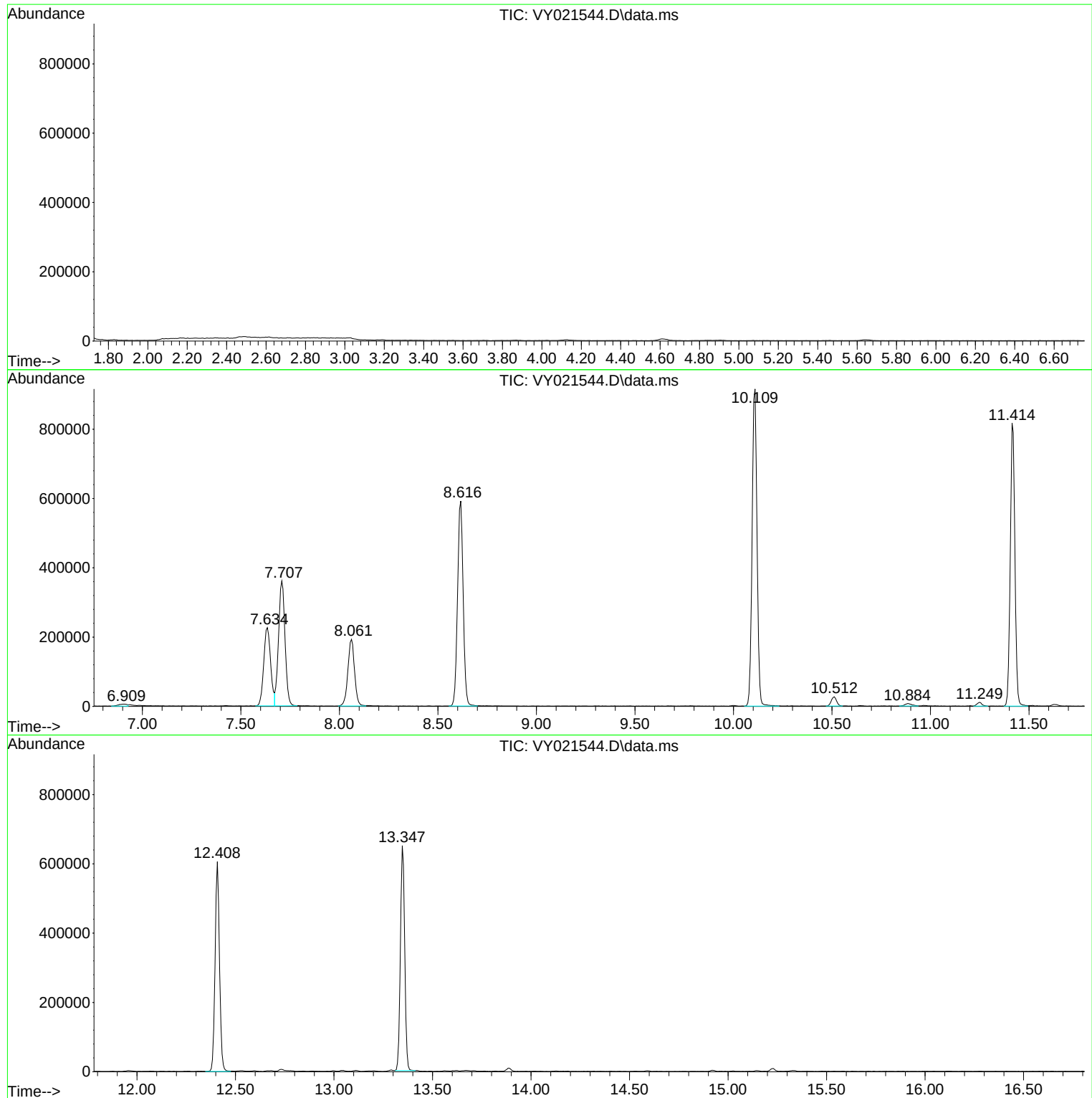
Sum of corrected areas: 7943435

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY031725\  
Data File : VY021544.D  
Acq On : 17 Mar 2025 10:39  
Operator : SY/MD  
Sample : VY0317SBL01  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0317SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y030425S.M  
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY031725\  
Data File : VY021544.D  
Acq On : 17 Mar 2025 10:39  
Operator : SY/MD  
Sample : VY0317SBL01  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0317SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y030425S.M  
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected

\*\*\*\*\*

A

B

C

D

E

F

G

H

I

J

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY031725\  
Data File : VY021544.D  
Acq On : 17 Mar 2025 10:39  
Operator : SY/MD  
Sample : VY0317SBL01  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0317SBL01

A

B

C

D

E

F

G

H

I

J

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y030425S.M  
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

| TIC Top Hit name | RT | EstConc | Units | Response | --Internal Standard-- |    |      |      |
|------------------|----|---------|-------|----------|-----------------------|----|------|------|
|                  |    |         |       |          | #                     | RT | Resp | Conc |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY031725\  
 Data File : VY021545.D  
 Acq On : 17 Mar 2025 12:49  
 Operator : SY/MD  
 Sample : VY0317SBS01  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0317SBS01

### Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 03/18/2025  
 Supervised By :Semsettin Yesilyurt 03/18/2025

Quant Time: Mar 18 01:26:12 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y030425S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Mar 05 12:42:45 2025  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.707  | 168  | 209203   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.616  | 114  | 320346   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.420 | 117  | 284395   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.347 | 152  | 146283   | 50.000 | ug/l  | 0.00     |

### System Monitoring Compounds

|                           |        |       |          |          |            |      |
|---------------------------|--------|-------|----------|----------|------------|------|
| 33) 1,2-Dichloroethane-d4 | 8.061  | 65    | 114896   | 51.962   | ug/l       | 0.00 |
| Spiked Amount             | 50.000 | Range | 50 - 163 | Recovery | = 103.920% |      |
| 35) Dibromofluoromethane  | 7.634  | 113   | 108339   | 51.451   | ug/l       | 0.00 |
| Spiked Amount             | 50.000 | Range | 54 - 147 | Recovery | = 102.900% |      |
| 50) Toluene-d8            | 10.109 | 98    | 399912   | 50.160   | ug/l       | 0.00 |
| Spiked Amount             | 50.000 | Range | 58 - 134 | Recovery | = 100.320% |      |
| 62) 4-Bromofluorobenzene  | 12.408 | 95    | 137449   | 50.682   | ug/l       | 0.00 |
| Spiked Amount             | 50.000 | Range | 30 - 143 | Recovery | = 101.360% |      |

### Target Compounds

|                              |       |     |        |         |        | Qvalue |
|------------------------------|-------|-----|--------|---------|--------|--------|
| 2) Dichlorodifluoromethane   | 1.867 | 85  | 37082  | 19.316  | ug/l   | 98     |
| 3) Chloromethane             | 2.068 | 50  | 53477  | 19.758  | ug/l   | 100    |
| 4) Vinyl Chloride            | 2.202 | 62  | 62796  | 21.231  | ug/l   | 98     |
| 5) Bromomethane              | 2.586 | 94  | 43503  | 20.350  | ug/l   | 97     |
| 6) Chloroethane              | 2.733 | 64  | 45193  | 23.121  | ug/l   | 98     |
| 7) Trichlorofluoromethane    | 3.056 | 101 | 100773 | 24.409  | ug/l   | 98     |
| 8) Diethyl Ether             | 3.452 | 74  | 27395  | 23.944  | ug/l   | 97     |
| 9) 1,1,2-Trichlorotrifluo... | 3.812 | 101 | 50420  | 21.391  | ug/l   | 99     |
| 10) Methyl Iodide            | 4.001 | 142 | 49997  | 20.867  | ug/l   | 100    |
| 11) Tert butyl alcohol       | 4.848 | 59  | 22139  | 144.485 | ug/l # | 72     |
| 12) 1,1-Dichloroethene       | 3.787 | 96  | 44961  | 20.922  | ug/l   | 94     |
| 13) Acrolein                 | 3.653 | 56  | 15875  | 141.152 | ug/l   | 93     |
| 14) Allyl chloride           | 4.379 | 41  | 71393  | 20.558  | ug/l   | 99     |
| 15) Acrylonitrile            | 5.055 | 53  | 56534  | 116.078 | ug/l   | 96     |
| 16) Acetone                  | 3.866 | 43  | 80850  | 167.644 | ug/l   | 92     |
| 17) Carbon Disulfide         | 4.104 | 76  | 126355 | 18.762  | ug/l   | 98     |
| 18) Methyl Acetate           | 4.385 | 43  | 24489  | 22.885  | ug/l   | 100    |
| 19) Methyl tert-butyl Ether  | 5.116 | 73  | 117760 | 21.620  | ug/l   | 96     |
| 20) Methylene Chloride       | 4.616 | 84  | 53421  | 21.102  | ug/l   | 99     |
| 21) trans-1,2-Dichloroethene | 5.110 | 96  | 47977  | 19.935  | ug/l   | 97     |
| 22) Diisopropyl ether        | 6.019 | 45  | 158451 | 21.171  | ug/l   | 97     |
| 23) Vinyl Acetate            | 5.958 | 43  | 459261 | 107.522 | ug/l   | 100    |
| 24) 1,1-Dichloroethane       | 5.915 | 63  | 91270  | 20.662  | ug/l   | 97     |
| 25) 2-Butanone               | 6.890 | 43  | 92278  | 138.321 | ug/l   | 100    |
| 26) 2,2-Dichloropropane      | 6.884 | 77  | 84157  | 20.706  | ug/l   | 100    |
| 27) cis-1,2-Dichloroethene   | 6.890 | 96  | 56414  | 20.634  | ug/l   | 99     |
| 28) Bromochloromethane       | 7.244 | 49  | 38379  | 20.724  | ug/l   | 99     |
| 29) Tetrahydrofuran          | 7.256 | 42  | 47999  | 116.545 | ug/l   | 99     |
| 30) Chloroform               | 7.421 | 83  | 97771  | 21.316  | ug/l   | 96     |
| 31) Cyclohexane              | 7.701 | 56  | 78880  | 19.048  | ug/l   | 94     |
| 32) 1,1,1-Trichloroethane    | 7.616 | 97  | 87249  | 20.774  | ug/l   | 99     |
| 36) 1,1-Dichloropropene      | 7.835 | 75  | 67987  | 20.627  | ug/l   | 99     |
| 37) Ethyl Acetate            | 6.982 | 43  | 33708  | 23.138  | ug/l   | 98     |
| 38) Carbon Tetrachloride     | 7.817 | 117 | 78935  | 20.823  | ug/l   | 98     |
| 39) Methylcyclohexane        | 9.109 | 83  | 78157  | 19.331  | ug/l   | 97     |
| 40) Benzene                  | 8.079 | 78  | 203296 | 20.938  | ug/l   | 99     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY031725\  
 Data File : VY021545.D  
 Acq On : 17 Mar 2025 12:49  
 Operator : SY/MD  
 Sample : VY0317SBS01  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0317SBS01

### Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 03/18/2025  
 Supervised By :Semsettin Yesilyurt 03/18/2025

Quant Time: Mar 18 01:26:12 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y030425S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Mar 05 12:42:45 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.220  | 41   | 16991    | 21.420  | ug/l # | 92       |
| 42) 1,2-Dichloroethane        | 8.158  | 62   | 59580    | 21.935  | ug/l   | 100      |
| 43) Isopropyl Acetate         | 8.195  | 43   | 62162    | 21.981  | ug/l   | 98       |
| 44) Trichloroethene           | 8.866  | 130  | 51285    | 20.902  | ug/l   | 99       |
| 45) 1,2-Dichloropropane       | 9.140  | 63   | 48890    | 21.157  | ug/l   | 94       |
| 46) Dibromomethane            | 9.231  | 93   | 28568    | 22.218  | ug/l   | 97       |
| 47) Bromodichloromethane      | 9.420  | 83   | 72821    | 21.326  | ug/l   | 98       |
| 48) Methyl methacrylate       | 9.219  | 41   | 27932    | 21.509  | ug/l   | 95       |
| 49) 1,4-Dioxane               | 9.231  | 88   | 6499     | 514.962 | ug/l   | 98       |
| 51) 4-Methyl-2-Pentanone      | 10.000 | 43   | 170370   | 116.758 | ug/l   | 98       |
| 52) Toluene                   | 10.170 | 92   | 126742   | 20.705  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 10.396 | 75   | 64374    | 21.398  | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene   | 9.853  | 75   | 76790    | 21.500  | ug/l   | 97       |
| 55) 1,1,2-Trichloroethane     | 10.573 | 97   | 37559    | 22.331  | ug/l   | 97       |
| 56) Ethyl methacrylate        | 10.438 | 69   | 46681    | 21.762  | ug/l   | 99       |
| 57) 1,3-Dichloropropane       | 10.719 | 76   | 63718    | 21.858  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 9.713  | 63   | 115671   | 116.815 | ug/l   | 99       |
| 59) 2-Hexanone                | 10.762 | 43   | 128877   | 133.573 | ug/l   | 98       |
| 60) Dibromochloromethane      | 10.914 | 129  | 50969    | 22.105  | ug/l   | 97       |
| 61) 1,2-Dibromoethane         | 11.018 | 107  | 34040    | 21.444  | ug/l   | 98       |
| 64) Tetrachloroethene         | 10.646 | 164  | 56528    | 24.444  | ug/l   | 95       |
| 65) Chlorobenzene             | 11.444 | 112  | 138094   | 20.562  | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane | 11.518 | 131  | 49463    | 20.832  | ug/l   | 98       |
| 67) Ethyl Benzene             | 11.518 | 91   | 236170   | 20.035  | ug/l   | 100      |
| 68) m/p-Xylenes               | 11.627 | 106  | 182629   | 40.809  | ug/l   | 100      |
| 69) o-Xylene                  | 11.957 | 106  | 82830    | 20.082  | ug/l   | 96       |
| 70) Styrene                   | 11.969 | 104  | 140028   | 20.465  | ug/l   | 99       |
| 71) Bromoform                 | 12.133 | 173  | 29832    | 22.476  | ug/l # | 99       |
| 73) Isopropylbenzene          | 12.255 | 105  | 229585   | 19.924  | ug/l   | 99       |
| 74) N-amyl acetate            | 12.072 | 43   | 52463    | 20.964  | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane | 12.505 | 83   | 42965    | 21.129  | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane    | 12.560 | 75   | 27346m   | 18.551  | ug/l   |          |
| 77) Bromobenzene              | 12.536 | 156  | 54044    | 20.047  | ug/l   | 100      |
| 78) n-propylbenzene           | 12.597 | 91   | 278424   | 19.895  | ug/l   | 100      |
| 79) 2-Chlorotoluene           | 12.682 | 91   | 158371   | 19.791  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene    | 12.737 | 105  | 189235   | 20.208  | ug/l   | 97       |
| 81) trans-1,4-Dichloro-2-b... | 12.304 | 75   | 13093    | 20.192  | ug/l   | 98       |
| 82) 4-Chlorotoluene           | 12.780 | 91   | 166075   | 20.042  | ug/l   | 100      |
| 83) tert-Butylbenzene         | 12.999 | 119  | 165804   | 19.848  | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene    | 13.042 | 105  | 187285   | 20.143  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 13.176 | 105  | 249213   | 20.050  | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 13.292 | 119  | 207009   | 20.216  | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene       | 13.292 | 146  | 107290   | 19.994  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.371 | 146  | 107122   | 20.412  | ug/l   | 99       |
| 89) n-Butylbenzene            | 13.621 | 91   | 188538   | 19.939  | ug/l   | 100      |
| 90) Hexachloroethane          | 13.883 | 117  | 43899    | 20.096  | ug/l   | 100      |
| 91) 1,2-Dichlorobenzene       | 13.657 | 146  | 96554    | 20.993  | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.279 | 75   | 6381     | 20.949  | ug/l   | 95       |
| 93) 1,2,4-Trichlorobenzene    | 14.919 | 180  | 50586    | 20.137  | ug/l   | 97       |
| 94) Hexachlorobutadiene       | 15.029 | 225  | 33597    | 21.335  | ug/l   | 98       |
| 95) Naphthalene               | 15.145 | 128  | 80499    | 20.966  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.328 | 180  | 43848    | 20.753  | ug/l   | 99       |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY031725\  
Data File : VY021545.D  
Acq On : 17 Mar 2025 12:49  
Operator : SY/MD  
Sample : VY0317SBS01  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0317SBS01

Manual Integrations  
APPROVED

Reviewed By :Mahesh Dadoda 03/18/2025  
Supervised By :Semsettin Yesilyurt 03/18/2025

Quant Time: Mar 18 01:26:12 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y030425S.M  
Quant Title : SW846 8260  
QLast Update : Wed Mar 05 12:42:45 2025  
Response via : Initial Calibration

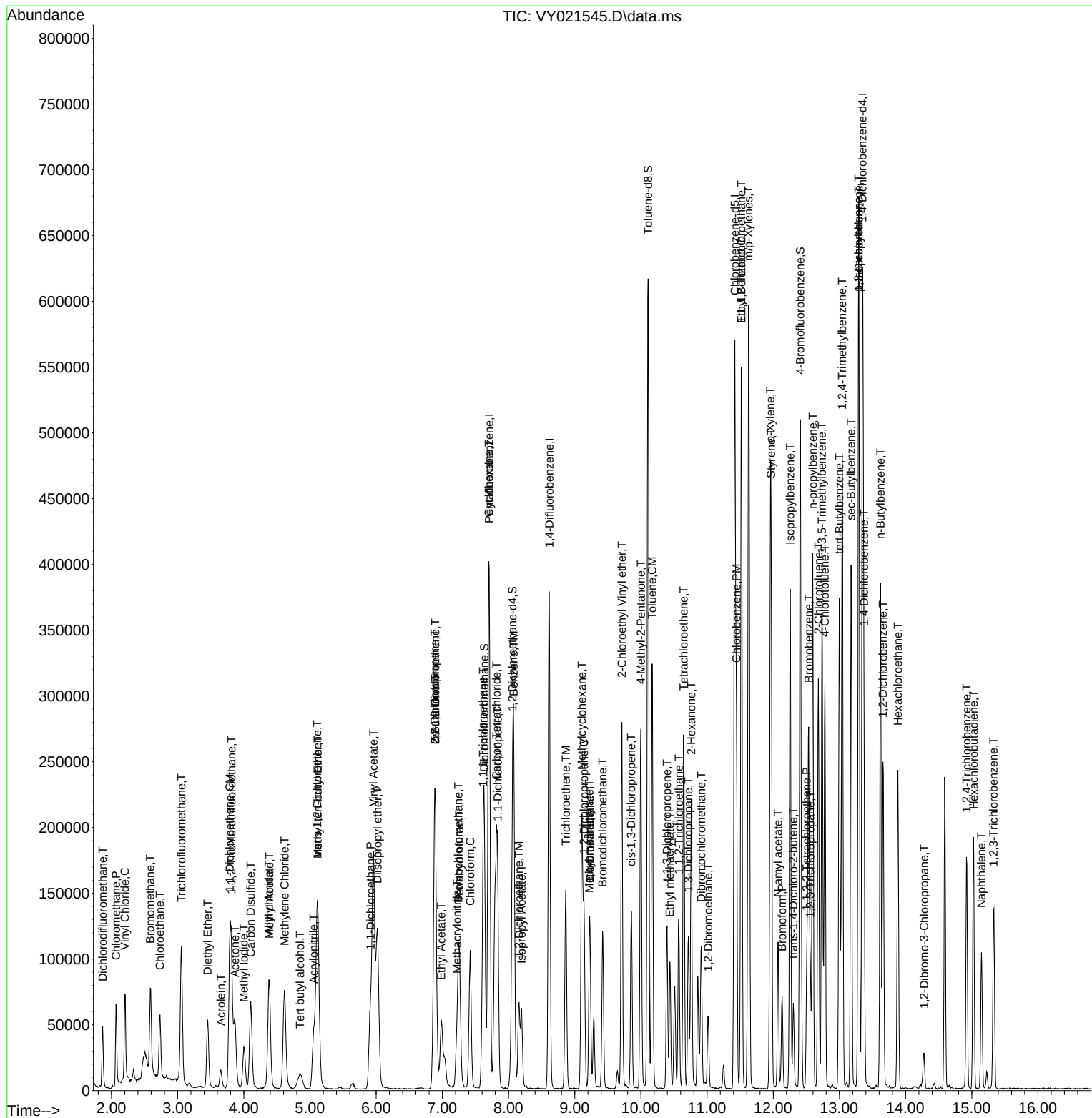
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

(#) = qualifier out of range (m) = manual integration (+) = signals summed

**Instrument :**  
MSVOA\_Y  
**ClientSampleId :**  
VY0317SBS01

## Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 03/18/2025  
Supervised By :Semsettin Yesilyurt 03/18/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY031725\  
 Data File : VY021546.D  
 Acq On : 17 Mar 2025 13:12  
 Operator : SY/MD  
 Sample : VY0317SBS01  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0317SBS01

### Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 03/18/2025  
 Supervised By :Semsettin Yesilyurt 03/18/2025

Quant Time: Mar 18 01:26:32 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y030425S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Mar 05 12:42:45 2025  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.707  | 168  | 219903   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.616  | 114  | 338794   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.414 | 117  | 299964   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.346 | 152  | 155756   | 50.000 | ug/l  | 0.00     |

### System Monitoring Compounds

|                           |        |       |          |          |            |      |
|---------------------------|--------|-------|----------|----------|------------|------|
| 33) 1,2-Dichloroethane-d4 | 8.061  | 65    | 119661   | 51.484   | ug/l       | 0.00 |
| Spiked Amount             | 50.000 | Range | 50 - 163 | Recovery | = 102.960% |      |
| 35) Dibromofluoromethane  | 7.634  | 113   | 113056   | 50.767   | ug/l       | 0.00 |
| Spiked Amount             | 50.000 | Range | 54 - 147 | Recovery | = 101.540% |      |
| 50) Toluene-d8            | 10.103 | 98    | 423789   | 50.260   | ug/l       | 0.00 |
| Spiked Amount             | 50.000 | Range | 58 - 134 | Recovery | = 100.520% |      |
| 62) 4-Bromofluorobenzene  | 12.408 | 95    | 144304   | 50.312   | ug/l       | 0.00 |
| Spiked Amount             | 50.000 | Range | 30 - 143 | Recovery | = 100.620% |      |

### Target Compounds

|                              |       |     |        |         |        | Qvalue |
|------------------------------|-------|-----|--------|---------|--------|--------|
| 2) Dichlorodifluoromethane   | 1.861 | 85  | 32776  | 16.242  | ug/l   | 96     |
| 3) Chloromethane             | 2.068 | 50  | 48277  | 16.969  | ug/l   | 96     |
| 4) Vinyl Chloride            | 2.202 | 62  | 56684  | 18.232  | ug/l   | 97     |
| 5) Bromomethane              | 2.586 | 94  | 39983  | 17.793  | ug/l   | 95     |
| 6) Chloroethane              | 2.732 | 64  | 37764  | 18.380  | ug/l   | 96     |
| 7) Trichlorofluoromethane    | 3.056 | 101 | 77327  | 17.819  | ug/l   | 100    |
| 8) Diethyl Ether             | 3.452 | 74  | 21452  | 17.838  | ug/l   | 95     |
| 9) 1,1,2-Trichlorotrifluo... | 3.818 | 101 | 44271  | 17.868  | ug/l   | 99     |
| 10) Methyl Iodide            | 4.001 | 142 | 44913  | 17.833  | ug/l   | 98     |
| 11) Tert butyl alcohol       | 4.848 | 59  | 18906  | 112.736 | ug/l # | 72     |
| 12) 1,1-Dichloroethene       | 3.787 | 96  | 38423  | 17.010  | ug/l   | 97     |
| 13) Acrolein                 | 3.653 | 56  | 12750  | 107.850 | ug/l   | 88     |
| 14) Allyl chloride           | 4.379 | 41  | 62873  | 17.223  | ug/l   | 100    |
| 15) Acrylonitrile            | 5.055 | 53  | 48687  | 95.102  | ug/l   | 100    |
| 16) Acetone                  | 3.866 | 43  | 60240  | 118.831 | ug/l   | 97     |
| 17) Carbon Disulfide         | 4.104 | 76  | 110858 | 15.660  | ug/l   | 100    |
| 18) Methyl Acetate           | 4.385 | 43  | 22532  | 20.032  | ug/l   | 97     |
| 19) Methyl tert-butyl Ether  | 5.110 | 73  | 102683 | 17.935  | ug/l   | 99     |
| 20) Methylene Chloride       | 4.610 | 84  | 48160  | 18.098  | ug/l   | 96     |
| 21) trans-1,2-Dichloroethene | 5.110 | 96  | 43723  | 17.284  | ug/l   | 90     |
| 22) Diisopropyl ether        | 6.018 | 45  | 141879 | 18.035  | ug/l   | 99     |
| 23) Vinyl Acetate            | 5.958 | 43  | 406268 | 90.487  | ug/l   | 100    |
| 24) 1,1-Dichloroethane       | 5.909 | 63  | 84110  | 18.115  | ug/l   | 99     |
| 25) 2-Butanone               | 6.896 | 43  | 73617  | 104.980 | ug/l   | 97     |
| 26) 2,2-Dichloropropane      | 6.884 | 77  | 74511  | 17.441  | ug/l   | 98     |
| 27) cis-1,2-Dichloroethene   | 6.890 | 96  | 50556  | 17.592  | ug/l   | 99     |
| 28) Bromochloromethane       | 7.244 | 49  | 38964  | 20.017  | ug/l   | 99     |
| 29) Tetrahydrofuran          | 7.262 | 42  | 40955  | 94.603  | ug/l   | 99     |
| 30) Chloroform               | 7.421 | 83  | 87417  | 18.131  | ug/l   | 100    |
| 31) Cyclohexane              | 7.701 | 56  | 68851  | 15.817  | ug/l   | 98     |
| 32) 1,1,1-Trichloroethane    | 7.616 | 97  | 77460  | 17.546  | ug/l   | 100    |
| 36) 1,1-Dichloropropene      | 7.835 | 75  | 58932  | 16.906  | ug/l   | 99     |
| 37) Ethyl Acetate            | 6.988 | 43  | 29067  | 18.866  | ug/l   | 99     |
| 38) Carbon Tetrachloride     | 7.817 | 117 | 70130  | 17.493  | ug/l   | 97     |
| 39) Methylcyclohexane        | 9.109 | 83  | 68897  | 16.113  | ug/l   | 95     |
| 40) Benzene                  | 8.079 | 78  | 180505 | 17.578  | ug/l   | 99     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY031725\  
 Data File : VY021546.D  
 Acq On : 17 Mar 2025 13:12  
 Operator : SY/MD  
 Sample : VY0317SBS01  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0317SBS01

### Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 03/18/2025  
 Supervised By :Semsettin Yesilyurt 03/18/2025

Quant Time: Mar 18 01:26:32 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y030425S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Mar 05 12:42:45 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.213  | 41   | 15342    | 18.288  | ug/l # | 91       |
| 42) 1,2-Dichloroethane        | 8.158  | 62   | 52817    | 18.386  | ug/l   | 100      |
| 43) Isopropyl Acetate         | 8.195  | 43   | 56333    | 18.835  | ug/l # | 89       |
| 44) Trichloroethene           | 8.866  | 130  | 46598    | 17.958  | ug/l   | 98       |
| 45) 1,2-Dichloropropane       | 9.140  | 63   | 43905    | 17.965  | ug/l   | 98       |
| 46) Dibromomethane            | 9.231  | 93   | 25495    | 18.749  | ug/l   | 98       |
| 47) Bromodichloromethane      | 9.420  | 83   | 66316    | 18.364  | ug/l   | 99       |
| 48) Methyl methacrylate       | 9.219  | 41   | 25101    | 18.276  | ug/l   | 99       |
| 49) 1,4-Dioxane               | 9.225  | 88   | 5377     | 402.858 | ug/l   | 95       |
| 51) 4-Methyl-2-Pentanone      | 9.999  | 43   | 147807   | 95.779  | ug/l   | 98       |
| 52) Toluene                   | 10.170 | 92   | 112662   | 17.402  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 10.396 | 75   | 58681    | 18.444  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 9.853  | 75   | 68654    | 18.175  | ug/l   | 99       |
| 55) 1,1,2-Trichloroethane     | 10.573 | 97   | 34138    | 19.192  | ug/l   | 95       |
| 56) Ethyl methacrylate        | 10.438 | 69   | 41358    | 18.231  | ug/l   | 98       |
| 57) 1,3-Dichloropropane       | 10.713 | 76   | 58475    | 18.967  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 9.713  | 63   | 109668   | 104.722 | ug/l   | 99       |
| 59) 2-Hexanone                | 10.762 | 43   | 104581   | 102.489 | ug/l   | 98       |
| 60) Dibromochloromethane      | 10.914 | 129  | 45717    | 18.747  | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 11.018 | 107  | 30558    | 18.202  | ug/l   | 99       |
| 64) Tetrachloroethene         | 10.646 | 164  | 50211    | 20.585  | ug/l   | 96       |
| 65) Chlorobenzene             | 11.444 | 112  | 126601   | 17.873  | ug/l   | 94       |
| 66) 1,1,1,2-Tetrachloroethane | 11.518 | 131  | 44474    | 17.759  | ug/l   | 98       |
| 67) Ethyl Benzene             | 11.518 | 91   | 213408   | 17.165  | ug/l   | 99       |
| 68) m/p-Xylenes               | 11.627 | 106  | 163262   | 34.588  | ug/l   | 99       |
| 69) o-Xylene                  | 11.956 | 106  | 75909    | 17.449  | ug/l   | 100      |
| 70) Styrene                   | 11.969 | 104  | 126980   | 17.595  | ug/l   | 99       |
| 71) Bromoform                 | 12.133 | 173  | 26283    | 18.774  | ug/l # | 100      |
| 73) Isopropylbenzene          | 12.255 | 105  | 204413   | 16.660  | ug/l   | 99       |
| 74) N-amyl acetate            | 12.072 | 43   | 46299    | 17.376  | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane | 12.505 | 83   | 37964    | 17.534  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 12.554 | 75   | 28030m   | 17.859  | ug/l   |          |
| 77) Bromobenzene              | 12.530 | 156  | 49501    | 17.245  | ug/l   | 100      |
| 78) n-propylbenzene           | 12.597 | 91   | 248018   | 16.645  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 12.682 | 91   | 141192   | 16.572  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene    | 12.737 | 105  | 168556   | 16.905  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.304 | 75   | 11299    | 16.366  | ug/l   | 98       |
| 82) 4-Chlorotoluene           | 12.779 | 91   | 152135   | 17.243  | ug/l   | 100      |
| 83) tert-Butylbenzene         | 12.999 | 119  | 149468   | 16.804  | ug/l   | 100      |
| 84) 1,2,4-Trimethylbenzene    | 13.042 | 105  | 169665   | 17.138  | ug/l   | 98       |
| 85) sec-Butylbenzene          | 13.176 | 105  | 219555   | 16.590  | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 13.292 | 119  | 184520   | 16.924  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 13.285 | 146  | 97835    | 17.123  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.365 | 146  | 97134    | 17.383  | ug/l   | 99       |
| 89) n-Butylbenzene            | 13.615 | 91   | 168493   | 16.736  | ug/l   | 99       |
| 90) Hexachloroethane          | 13.877 | 117  | 39160    | 16.836  | ug/l   | 99       |
| 91) 1,2-Dichlorobenzene       | 13.657 | 146  | 86355    | 17.634  | ug/l   | 100      |
| 92) 1,2-Dibromo-3-Chloropr... | 14.273 | 75   | 5870     | 18.099  | ug/l   | 100      |
| 93) 1,2,4-Trichlorobenzene    | 14.919 | 180  | 45729    | 17.096  | ug/l   | 96       |
| 94) Hexachlorobutadiene       | 15.023 | 225  | 29255    | 17.448  | ug/l   | 98       |
| 95) Naphthalene               | 15.145 | 128  | 74445    | 18.488  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.328 | 180  | 39971    | 17.768  | ug/l   | 99       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY031725\  
Data File : VY021546.D  
Acq On : 17 Mar 2025 13:12  
Operator : SY/MD  
Sample : VY0317SBSD01  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0317SBSD01

Manual Integrations  
APPROVED

Reviewed By :Mahesh Dadoda 03/18/2025  
Supervised By :Semsettin Yesilyurt 03/18/2025

Quant Time: Mar 18 01:26:32 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y030425S.M  
Quant Title : SW846 8260  
QLast Update : Wed Mar 05 12:42:45 2025  
Response via : Initial Calibration

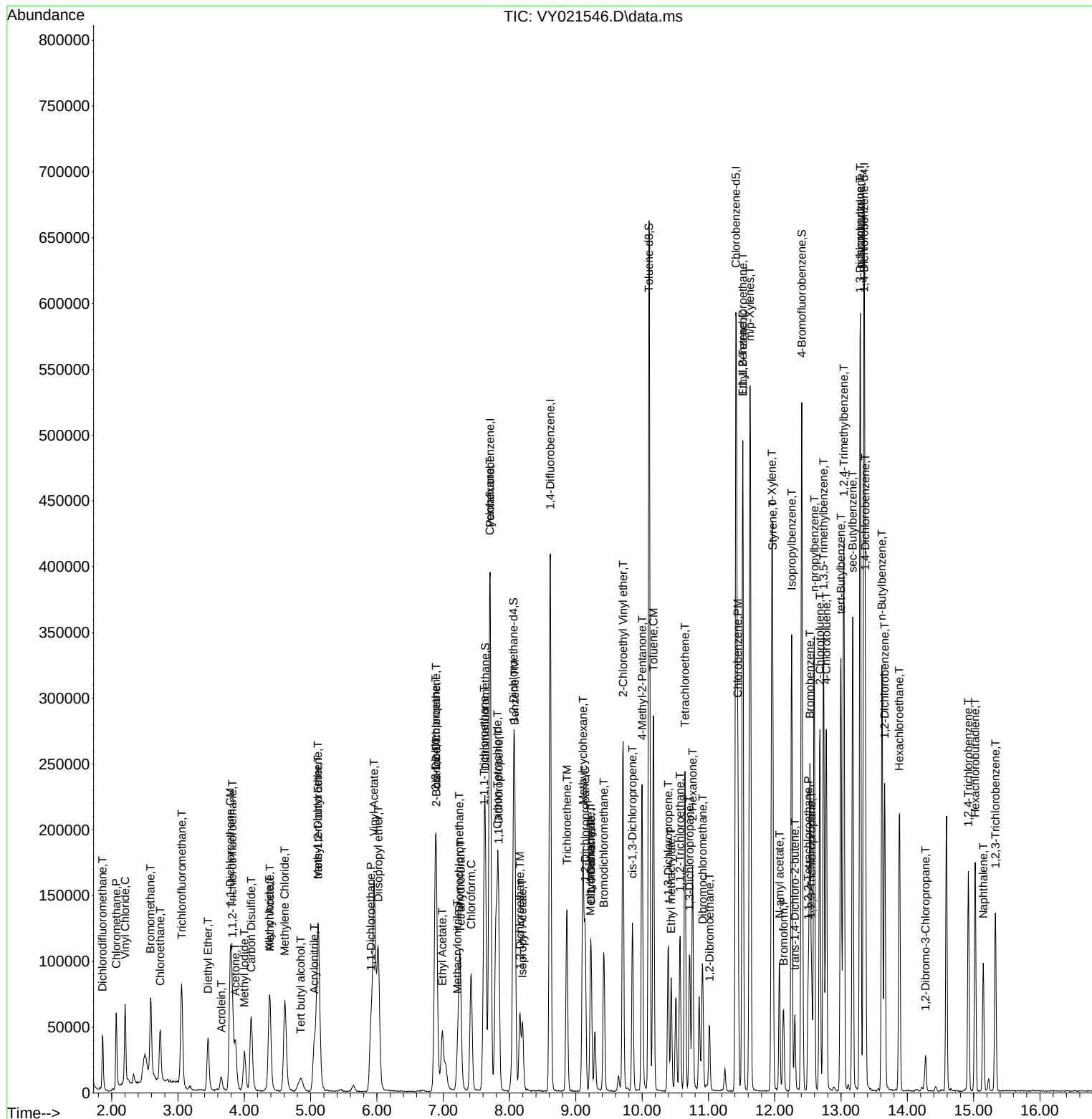
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

(#) = qualifier out of range (m) = manual integration (+) = signals summed

**Instrument :**  
MSVOA\_Y  
**ClientSampleId :**  
VY0317SBSD01

## Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 03/18/2025  
Supervised By :Semsettin Yesilyurt 03/18/2025



## Manual Integration Report

|           |          |            |         |
|-----------|----------|------------|---------|
| Sequence: | VY030425 | Instrument | MSVOA_y |
|-----------|----------|------------|---------|

| Sample ID   | File ID    | Parameter              | Review By    | Review On              | Supervised By | Supervised On          | Reason                      |
|-------------|------------|------------------------|--------------|------------------------|---------------|------------------------|-----------------------------|
| VSTDICC010  | VY021397.D | 1,2,3-Trichloropropane | MMDadod<br>a | 3/6/2025 2:55:34<br>PM | SAM           | 3/6/2025 3:00:08<br>PM | Peak Integrated by Software |
| VSTDICC010  | VY021397.D | Methacrylonitrile      | MMDadod<br>a | 3/6/2025 2:55:34<br>PM | SAM           | 3/6/2025 3:00:08<br>PM | Peak Integrated by Software |
| VSTDICC010  | VY021397.D | Tert butyl alcohol     | MMDadod<br>a | 3/6/2025 2:55:34<br>PM | SAM           | 3/6/2025 3:00:08<br>PM | Peak Integrated by Software |
| VSTDICC020  | VY021398.D | 1,2,3-Trichloropropane | MMDadod<br>a | 3/6/2025 2:55:33<br>PM | SAM           | 3/6/2025 3:00:07<br>PM | Peak Integrated by Software |
| VSTDICC020  | VY021398.D | Ethyl Acetate          | MMDadod<br>a | 3/6/2025 2:55:33<br>PM | SAM           | 3/6/2025 3:00:07<br>PM | Peak Integrated by Software |
| VSTDICCC050 | VY021399.D | 1,2,3-Trichloropropane | MMDadod<br>a | 3/6/2025 2:55:35<br>PM | SAM           | 3/6/2025 3:00:06<br>PM | Peak Integrated by Software |
| VSTDICC100  | VY021400.D | 1,2,3-Trichloropropane | MMDadod<br>a | 3/6/2025 2:55:49<br>PM | SAM           | 3/6/2025 3:00:09<br>PM | Peak Integrated by Software |
| VSTDICC150  | VY021401.D | 1,2,3-Trichloropropane | MMDadod<br>a | 3/6/2025 2:55:42<br>PM | SAM           | 3/6/2025 3:00:14<br>PM | Peak Integrated by Software |
| VSTDICC005  | VY021403.D | 1,2,3-Trichloropropane | MMDadod<br>a | 3/6/2025 2:55:43<br>PM | SAM           | 3/6/2025 3:00:17<br>PM | Peak Integrated by Software |
| VSTDICC005  | VY021403.D | Ethyl Acetate          | MMDadod<br>a | 3/6/2025 2:55:43<br>PM | SAM           | 3/6/2025 3:00:17<br>PM | Peak Integrated by Software |
| VSTDICV050  | VY021404.D | 1,2,3-Trichloropropane | MMDadod<br>a | 3/6/2025 2:55:47<br>PM | SAM           | 3/6/2025 3:00:16<br>PM | Peak Integrated by Software |
| VSTDICV050  | VY021404.D | Methacrylonitrile      | MMDadod<br>a | 3/6/2025 2:55:47<br>PM | SAM           | 3/6/2025 3:00:16<br>PM | Peak Integrated by Software |



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

Manual Integration Report

|           |          |            |         |
|-----------|----------|------------|---------|
| Sequence: | VY030425 | Instrument | MSVOA_y |
|-----------|----------|------------|---------|

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



## Manual Integration Report

|           |          |            |         |
|-----------|----------|------------|---------|
| Sequence: | vy031725 | Instrument | MSVOA_y |
|-----------|----------|------------|---------|

| Sample ID    | File ID    | Parameter              | Review By | Review On            | Supervised By | Supervised On        | Reason                      |
|--------------|------------|------------------------|-----------|----------------------|---------------|----------------------|-----------------------------|
| VSTDCCC050   | VY021543.D | 1,2,3-Trichloropropane | MMDadoda  | 3/18/2025 1:55:58 PM | SAM           | 3/18/2025 1:57:56 PM | Peak Integrated by Software |
| VY0317SBS01  | VY021545.D | 1,2,3-Trichloropropane | MMDadoda  | 3/18/2025 1:55:59 PM | SAM           | 3/18/2025 1:57:56 PM | Peak Integrated by Software |
| VY0317SBSD01 | VY021546.D | 1,2,3-Trichloropropane | MMDadoda  | 3/18/2025 1:56:01 PM | SAM           | 3/18/2025 1:57:58 PM | Peak Integrated by Software |
| VSTDCCC050   | VY021554.D | 1,2,3-Trichloropropane | MMDadoda  | 3/18/2025 1:56:02 PM | SAM           | 3/18/2025 1:58:01 PM | Peak Integrated by Software |

Instrument ID: MSVOA\_Y

**Daily Analysis Runlog For Sequence/QCBatch ID # VY030425**

|                          |                     |                                                       |                      |                      |              |
|--------------------------|---------------------|-------------------------------------------------------|----------------------|----------------------|--------------|
| Review By                | Mahesh Dadoda       | Review On                                             | 3/5/2025 12:14:39 PM |                      |              |
| Supervise By             | Semsettin Yesilyurt | Supervise On                                          | 3/5/2025 12:18:08 PM |                      |              |
| SubDirectory             | VY030425            | HP Acquire Method                                     | MSVOA_Y              | HP Processing Method | 82y030425s.m |
| STD. NAME                |                     | STD REF.#                                             |                      |                      |              |
| Tune/Reschk              |                     | VP133216                                              |                      |                      |              |
| Initial Calibration Stds |                     | VP133207,VP133208,VP133209,VP133210,VP133211,VP133212 |                      |                      |              |
| CCC                      |                     | VP133214,VP133215                                     |                      |                      |              |
| Internal Standard/PEM    |                     | VP131783                                              |                      |                      |              |
| ICV/I.BLK                |                     | VP133213                                              |                      |                      |              |
| Surrogate Standard       |                     |                                                       |                      |                      |              |
| MS/MSD Standard          |                     |                                                       |                      |                      |              |
| LCS Standard             |                     |                                                       |                      |                      |              |

| Sr# | SampleId   | Data File Name | Date-Time         | Operator | Status |
|-----|------------|----------------|-------------------|----------|--------|
| 1   | BFB        | VY021395.D     | 04 Mar 2025 08:52 | SY/MD    | Ok     |
| 2   | VSTDIC005  | VY021396.D     | 04 Mar 2025 09:23 | SY/MD    | Not Ok |
| 3   | VSTDIC010  | VY021397.D     | 04 Mar 2025 09:46 | SY/MD    | Ok,M   |
| 4   | VSTDIC020  | VY021398.D     | 04 Mar 2025 10:09 | SY/MD    | Ok,M   |
| 5   | VSTDIC050  | VY021399.D     | 04 Mar 2025 10:30 | SY/MD    | Ok,M   |
| 6   | VSTDIC100  | VY021400.D     | 04 Mar 2025 11:06 | SY/MD    | Ok,M   |
| 7   | VSTDIC150  | VY021401.D     | 04 Mar 2025 11:29 | SY/MD    | Ok,M   |
| 8   | VIBLK      | VY021402.D     | 04 Mar 2025 11:52 | SY/MD    | Ok     |
| 9   | VSTDIC005  | VY021403.D     | 04 Mar 2025 12:15 | SY/MD    | Ok,M   |
| 10  | VSTDICV050 | VY021404.D     | 04 Mar 2025 13:12 | SY/MD    | Ok,M   |

M : Manual Integration

Instrument ID: **MSVOA\_Y**

**Daily Analysis Runlog For Sequence/QC Batch ID # VY031725**

|                                                                                                    |                               |                   |                                   |
|----------------------------------------------------------------------------------------------------|-------------------------------|-------------------|-----------------------------------|
| Review By                                                                                          | Mahesh Dadoda                 | Review On         | 3/18/2025 1:56:06 PM              |
| Supervise By                                                                                       | Semsettin Yesilyurt           | Supervise On      | 3/18/2025 1:58:06 PM              |
| SubDirectory                                                                                       | VY031725                      | HP Acquire Method | HP Processing Method 82y030425s.m |
| <b>STD. NAME</b>                                                                                   | <b>STD REF.#</b>              |                   |                                   |
| Tune/Reschk<br>Initial Calibration Stds                                                            | VP133309                      |                   |                                   |
| CCC<br>Internal Standard/PEM<br>ICV/I.BLK<br>Surrogate Standard<br>MS/MSD Standard<br>LCS Standard | VP133310,VP133311<br>VP131783 |                   |                                   |

| Sr# | SampleId     | Data File Name | Date-Time         | Operator | Status   |
|-----|--------------|----------------|-------------------|----------|----------|
| 1   | BFB          | VY021542.D     | 17 Mar 2025 09:26 | SY/MD    | Ok       |
| 2   | VSTDCCC050   | VY021543.D     | 17 Mar 2025 10:04 | SY/MD    | Ok,M     |
| 3   | VY0317SBL01  | VY021544.D     | 17 Mar 2025 10:39 | SY/MD    | Ok       |
| 4   | VY0317SBS01  | VY021545.D     | 17 Mar 2025 12:49 | SY/MD    | Ok,M     |
| 5   | VY0317SBSD01 | VY021546.D     | 17 Mar 2025 13:12 | SY/MD    | Ok,M     |
| 6   | Q1585-01     | VY021547.D     | 17 Mar 2025 13:39 | SY/MD    | ReRun    |
| 7   | Q1581-01     | VY021548.D     | 17 Mar 2025 14:03 | SY/MD    | Not Ok   |
| 8   | Q1574-01     | VY021549.D     | 17 Mar 2025 14:26 | SY/MD    | ReRun    |
| 9   | Q1585-01RE   | VY021550.D     | 17 Mar 2025 15:08 | SY/MD    | Confirms |
| 10  | Q1581-01     | VY021551.D     | 17 Mar 2025 15:32 | SY/MD    | Not Ok   |
| 11  | Q1574-01RE   | VY021552.D     | 17 Mar 2025 15:55 | SY/MD    | Confirms |
| 12  | VY0317SBS02  | VY021553.D     | 17 Mar 2025 16:18 | SY/MD    | Not Ok   |
| 13  | VSTDCCC050   | VY021554.D     | 17 Mar 2025 16:40 | SY/MD    | Ok,M     |

M : Manual Integration

Instrument ID: MSVOA\_Y

**Daily Analysis Runlog For Sequence/QC Batch ID # VY030425**

|                          |                     |                                                       |                      |                      |              |
|--------------------------|---------------------|-------------------------------------------------------|----------------------|----------------------|--------------|
| Review By                | Mahesh Dadoda       | Review On                                             | 3/5/2025 12:14:39 PM |                      |              |
| Supervise By             | Semsettin Yesilyurt | Supervise On                                          | 3/5/2025 12:18:08 PM |                      |              |
| SubDirectory             | VY030425            | HP Acquire Method                                     | MSVOA_Y              | HP Processing Method | 82y030425s.m |
| STD. NAME                |                     | STD REF.#                                             |                      |                      |              |
| Tune/Reschk              |                     | VP133216                                              |                      |                      |              |
| Initial Calibration Stds |                     | VP133207,VP133208,VP133209,VP133210,VP133211,VP133212 |                      |                      |              |
| CCC                      |                     | VP133214,VP133215                                     |                      |                      |              |
| Internal Standard/PEM    |                     | VP131783                                              |                      |                      |              |
| ICV/I.BLK                |                     | VP133213                                              |                      |                      |              |
| Surrogate Standard       |                     |                                                       |                      |                      |              |
| MS/MSD Standard          |                     |                                                       |                      |                      |              |
| LCS Standard             |                     |                                                       |                      |                      |              |

| Sr# | Sampleld    | ClientID    | Data File Name | Date-Time         | Comment                             | Operator | Status |
|-----|-------------|-------------|----------------|-------------------|-------------------------------------|----------|--------|
| 1   | BFB         | BFB         | VY021395.D     | 04 Mar 2025 08:52 |                                     | SY/MD    | Ok     |
| 2   | VSTDICC005  | VSTDICC005  | VY021396.D     | 04 Mar 2025 09:23 | not used                            | SY/MD    | Not Ok |
| 3   | VSTDICC010  | VSTDICC010  | VY021397.D     | 04 Mar 2025 09:46 |                                     | SY/MD    | Ok,M   |
| 4   | VSTDICC020  | VSTDICC020  | VY021398.D     | 04 Mar 2025 10:09 | Comp.#11 is on Linear Regression    | SY/MD    | Ok,M   |
| 5   | VSTDICCC050 | VSTDICCC050 | VY021399.D     | 04 Mar 2025 10:30 | Comp.#95 is on Quadratic Regression | SY/MD    | Ok,M   |
| 6   | VSTDICC100  | VSTDICC100  | VY021400.D     | 04 Mar 2025 11:06 |                                     | SY/MD    | Ok,M   |
| 7   | VSTDICC150  | VSTDICC150  | VY021401.D     | 04 Mar 2025 11:29 | Method fail for comp.#13            | SY/MD    | Ok,M   |
| 8   | VIBLK       | VIBLK       | VY021402.D     | 04 Mar 2025 11:52 |                                     | SY/MD    | Ok     |
| 9   | VSTDICC005  | VSTDICC005  | VY021403.D     | 04 Mar 2025 12:15 |                                     | SY/MD    | Ok,M   |
| 10  | VSTDICV050  | ICVVY030425 | VY021404.D     | 04 Mar 2025 13:12 |                                     | SY/MD    | Ok,M   |

M : Manual Integration

Instrument ID: MSVOA\_Y

**Daily Analysis Runlog For Sequence/QC Batch ID # VY031725**

|                                                                                                    |                               |                   |                                   |
|----------------------------------------------------------------------------------------------------|-------------------------------|-------------------|-----------------------------------|
| Review By                                                                                          | Maresh Dadoda                 | Review On         | 3/18/2025 1:56:06 PM              |
| Supervise By                                                                                       | Semsettin Yesilyurt           | Supervise On      | 3/18/2025 1:58:06 PM              |
| SubDirectory                                                                                       | VY031725                      | HP Acquire Method | HP Processing Method 82y030425s.m |
| <b>STD. NAME</b>                                                                                   | <b>STD REF.#</b>              |                   |                                   |
| Tune/Reschk<br>Initial Calibration Stds                                                            | VP133309                      |                   |                                   |
| CCC<br>Internal Standard/PEM<br>ICV/I.BLK<br>Surrogate Standard<br>MS/MSD Standard<br>LCS Standard | VP133310,VP133311<br>VP131783 |                   |                                   |

| Sr# | Sampled      | ClientID         | Data File Name | Date-Time         | Comment                               | Operator | Status   |
|-----|--------------|------------------|----------------|-------------------|---------------------------------------|----------|----------|
| 1   | BFB          | BFB              | VY021542.D     | 17 Mar 2025 09:26 |                                       | SY/MD    | Ok       |
| 2   | VSTDCCC050   | VSTDCCC050       | VY021543.D     | 17 Mar 2025 10:04 |                                       | SY/MD    | Ok,M     |
| 3   | VY0317SBL01  | VY0317SBL01      | VY021544.D     | 17 Mar 2025 10:39 |                                       | SY/MD    | Ok       |
| 4   | VY0317SBS01  | VY0317SBS01      | VY021545.D     | 17 Mar 2025 12:49 |                                       | SY/MD    | Ok,M     |
| 5   | VY0317SBSD01 | VY0317SBSD01     | VY021546.D     | 17 Mar 2025 13:12 |                                       | SY/MD    | Ok,M     |
| 6   | Q1585-01     | OK-02-03142025   | VY021547.D     | 17 Mar 2025 13:39 | Internal Standard Fail;Surrogate Fail | SY/MD    | ReRun    |
| 7   | Q1581-01     | TR-06-031425     | VY021548.D     | 17 Mar 2025 14:03 | Not purge                             | SY/MD    | Not Ok   |
| 8   | Q1574-01     | WC1              | VY021549.D     | 17 Mar 2025 14:26 | Internal Standard Fail                | SY/MD    | ReRun    |
| 9   | Q1585-01RE   | OK-02-03142025RE | VY021550.D     | 17 Mar 2025 15:08 | Internal Standard Fail                | SY/MD    | Confirms |
| 10  | Q1581-01     | TR-06-031425     | VY021551.D     | 17 Mar 2025 15:32 | Not purge                             | SY/MD    | Not Ok   |
| 11  | Q1574-01RE   | WC1RE            | VY021552.D     | 17 Mar 2025 15:55 | Internal Standard Fail                | SY/MD    | Confirms |
| 12  | VY0317SBS02  | VY0317SBS02      | VY021553.D     | 17 Mar 2025 16:18 | Not Required                          | SY/MD    | Not Ok   |
| 13  | VSTDCCC050   | VSTDCCC050EC     | VY021554.D     | 17 Mar 2025 16:40 |                                       | SY/MD    | Ok,M     |

M : Manual Integration

## LAB CHRONICLE

|                 |                 |                   |                       |
|-----------------|-----------------|-------------------|-----------------------|
| <b>OrderID:</b> | Q1574           | <b>OrderDate:</b> | 3/14/2025 11:25:00 AM |
| <b>Client:</b>  | G Environmental | <b>Project:</b>   | Ave L                 |
| <b>Contact:</b> | Gary Landis     | <b>Location:</b>  | I41,VOA Ref. #2 Soil  |

| LabID             | ClientID     | Matrix      | Test          | Method | Sample Date     | Prep Date | Anal Date | Received        |
|-------------------|--------------|-------------|---------------|--------|-----------------|-----------|-----------|-----------------|
| <b>Q1574-01</b>   | <b>WC1</b>   | <b>SOIL</b> | VOC-TCLVOA-10 | 8260D  | <b>03/12/25</b> |           | 03/17/25  | <b>03/14/25</b> |
| <b>Q1574-01RE</b> | <b>WC1RE</b> | <b>SOIL</b> | VOC-TCLVOA-10 | 8260D  | <b>03/12/25</b> |           | 03/17/25  | <b>03/14/25</b> |

### Hit Summary Sheet SW-846

**SDG No.:** Q1574  
**Client:** G Environmental

| Sample ID                   | Client ID | Matrix | Parameter                          | Concentration    | C         | MDL  | RDL  | Units |
|-----------------------------|-----------|--------|------------------------------------|------------------|-----------|------|------|-------|
| <b>Client ID : WC1</b>      |           |        |                                    |                  |           |      |      |       |
| Q1574-01                    | WC1       | SOIL   | Phenanthrene                       | 520.000          | J         | 110  | 870  | ug/Kg |
| Q1574-01                    | WC1       | SOIL   | Fluoranthene                       | 830.000          | J         | 150  | 870  | ug/Kg |
| Q1574-01                    | WC1       | SOIL   | Pyrene                             | 580.000          | J         | 180  | 870  | ug/Kg |
| Q1574-01                    | WC1       | SOIL   | Chrysene                           | 550.000          | J         | 100  | 870  | ug/Kg |
| Q1574-01                    | WC1       | SOIL   | Bis(2-ethylhexyl)phthalate         | 43,100.000       | E         | 300  | 870  | ug/Kg |
| <b>Total Svoc :</b>         |           |        |                                    | <b>45,580.00</b> |           |      |      |       |
| Q1574-01                    | WC1       | SOIL   | n-Hexadecanoic acid                | *                | 1,400.000 | J    | 0    | ug/Kg |
| Q1574-01                    | WC1       | SOIL   | Octadecanoic acid                  | *                | 2,000.000 | J    | 0    | ug/Kg |
| Q1574-01                    | WC1       | SOIL   | Phthalic acid, 4-methylhept-3-yl u | *                | 3,400.000 | J    | 0    | ug/Kg |
| Q1574-01                    | WC1       | SOIL   | Phthalic anhydride                 | *                | 720.000   | J    | 0    | ug/Kg |
| <b>Total Tics :</b>         |           |        |                                    | <b>7,520.00</b>  |           |      |      |       |
| <b>Total Concentration:</b> |           |        |                                    | <b>53,100.00</b> |           |      |      |       |
| <b>Client ID : WC1DL</b>    |           |        |                                    |                  |           |      |      |       |
| Q1574-01DL                  | WC1DL     | SOIL   | Bis(2-ethylhexyl)phthalate         | 50,800.000       | D         | 1500 | 4300 | ug/Kg |
| <b>Total Svoc :</b>         |           |        |                                    | <b>50,800.00</b> |           |      |      |       |
| <b>Total Concentration:</b> |           |        |                                    | <b>50,800.00</b> |           |      |      |       |



# SAMPLE DATA



## Report of Analysis

|                    |                        |                 |                              |
|--------------------|------------------------|-----------------|------------------------------|
| Client:            | G Environmental        | Date Collected: | 03/12/25                     |
| Project:           | Ave L                  | Date Received:  | 03/14/25                     |
| Client Sample ID:  | WC1                    | SDG No.:        | Q1574                        |
| Lab Sample ID:     | Q1574-01               | Matrix:         | SOIL                         |
| Analytical Method: | SW8270                 | % Solid:        | 98                           |
| Sample Wt/Vol:     | 30.02      Units:    g | Final Vol:      | 1000                      uL |
| Soil Aliquot Vol:  | uL                     | Test:           | SVOC-TCL BNA -20             |
| Extraction Type :  | Decanted :      N      | Level :         | LOW                          |
| Injection Volume : | GPC Factor :    1.0    | GPC Cleanup :   | N                      PH :  |
| Prep Method :      | SW3541                 |                 |                              |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BF141982.D        | 5         | 03/17/25 09:15 | 03/17/25 15:29 | PB167157      |

| CAS Number     | Parameter                   | Conc. | Qualifier | MDL  | LOQ / CRQL | Units(Dry Weight) |
|----------------|-----------------------------|-------|-----------|------|------------|-------------------|
| <b>TARGETS</b> |                             |       |           |      |            |                   |
| 100-52-7       | Benzaldehyde                | 800   | U         | 800  | 1700       | ug/Kg             |
| 108-95-2       | Phenol                      | 110   | U         | 110  | 870        | ug/Kg             |
| 111-44-4       | bis(2-Chloroethyl)ether     | 120   | U         | 120  | 870        | ug/Kg             |
| 95-57-8        | 2-Chlorophenol              | 120   | U         | 120  | 870        | ug/Kg             |
| 95-48-7        | 2-Methylphenol              | 150   | U         | 150  | 870        | ug/Kg             |
| 108-60-1       | 2,2-oxybis(1-Chloropropane) | 190   | U         | 190  | 870        | ug/Kg             |
| 98-86-2        | Acetophenone                | 150   | U         | 150  | 870        | ug/Kg             |
| 65794-96-9     | 3+4-Methylphenols           | 210   | U         | 210  | 1700       | ug/Kg             |
| 621-64-7       | n-Nitroso-di-n-propylamine  | 240   | U         | 240  | 410        | ug/Kg             |
| 67-72-1        | Hexachloroethane            | 89.7  | U         | 89.7 | 870        | ug/Kg             |
| 98-95-3        | Nitrobenzene                | 93.3  | U         | 93.3 | 870        | ug/Kg             |
| 78-59-1        | Isophorone                  | 170   | U         | 170  | 870        | ug/Kg             |
| 88-75-5        | 2-Nitrophenol               | 300   | U         | 300  | 870        | ug/Kg             |
| 105-67-9       | 2,4-Dimethylphenol          | 330   | U         | 330  | 870        | ug/Kg             |
| 111-91-1       | bis(2-Chloroethoxy)methane  | 160   | U         | 160  | 870        | ug/Kg             |
| 120-83-2       | 2,4-Dichlorophenol          | 140   | U         | 140  | 870        | ug/Kg             |
| 91-20-3        | Naphthalene                 | 120   | U         | 120  | 870        | ug/Kg             |
| 106-47-8       | 4-Chloroaniline             | 180   | UQ        | 180  | 870        | ug/Kg             |
| 87-68-3        | Hexachlorobutadiene         | 130   | U         | 130  | 870        | ug/Kg             |
| 105-60-2       | Caprolactam                 | 270   | U         | 270  | 1700       | ug/Kg             |
| 59-50-7        | 4-Chloro-3-methylphenol     | 150   | U         | 150  | 870        | ug/Kg             |
| 91-57-6        | 2-Methylnaphthalene         | 130   | U         | 130  | 870        | ug/Kg             |
| 77-47-4        | Hexachlorocyclopentadiene   | 590   | UQ        | 590  | 1700       | ug/Kg             |
| 88-06-2        | 2,4,6-Trichlorophenol       | 100   | U         | 100  | 870        | ug/Kg             |
| 95-95-4        | 2,4,5-Trichlorophenol       | 150   | U         | 150  | 870        | ug/Kg             |
| 92-52-4        | 1,1-Biphenyl                | 110   | U         | 110  | 870        | ug/Kg             |
| 91-58-7        | 2-Chloronaphthalene         | 110   | U         | 110  | 870        | ug/Kg             |
| 88-74-4        | 2-Nitroaniline              | 250   | U         | 250  | 870        | ug/Kg             |
| 131-11-3       | Dimethylphthalate           | 140   | U         | 140  | 870        | ug/Kg             |

## Report of Analysis

|                    |                        |                 |                              |
|--------------------|------------------------|-----------------|------------------------------|
| Client:            | G Environmental        | Date Collected: | 03/12/25                     |
| Project:           | Ave L                  | Date Received:  | 03/14/25                     |
| Client Sample ID:  | WC1                    | SDG No.:        | Q1574                        |
| Lab Sample ID:     | Q1574-01               | Matrix:         | SOIL                         |
| Analytical Method: | SW8270                 | % Solid:        | 98                           |
| Sample Wt/Vol:     | 30.02      Units:    g | Final Vol:      | 1000                      uL |
| Soil Aliquot Vol:  | uL                     | Test:           | SVOC-TCL BNA -20             |
| Extraction Type :  | Decanted :      N      | Level :         | LOW                          |
| Injection Volume : | GPC Factor :    1.0    | GPC Cleanup :   | N                      PH :  |
| Prep Method :      | SW3541                 |                 |                              |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BF141982.D        | 5         | 03/17/25 09:15 | 03/17/25 15:29 | PB167157      |

| CAS Number | Parameter                  | Conc. | Qualifier | MDL  | LOQ / CRQL | Units(Dry Weight) |
|------------|----------------------------|-------|-----------|------|------------|-------------------|
| 208-96-8   | Acenaphthylene             | 150   | U         | 150  | 870        | ug/Kg             |
| 606-20-2   | 2,6-Dinitrotoluene         | 170   | U         | 170  | 870        | ug/Kg             |
| 99-09-2    | 3-Nitroaniline             | 230   | UQ        | 230  | 870        | ug/Kg             |
| 83-32-9    | Acenaphthene               | 110   | U         | 110  | 870        | ug/Kg             |
| 51-28-5    | 2,4-Dinitrophenol          | 1200  | U         | 1200 | 1700       | ug/Kg             |
| 100-02-7   | 4-Nitrophenol              | 550   | U         | 550  | 1700       | ug/Kg             |
| 132-64-9   | Dibenzofuran               | 120   | U         | 120  | 870        | ug/Kg             |
| 121-14-2   | 2,4-Dinitrotoluene         | 260   | U         | 260  | 870        | ug/Kg             |
| 84-66-2    | Diethylphthalate           | 140   | U         | 140  | 870        | ug/Kg             |
| 7005-72-3  | 4-Chlorophenyl-phenylether | 140   | U         | 140  | 870        | ug/Kg             |
| 86-73-7    | Fluorene                   | 130   | U         | 130  | 870        | ug/Kg             |
| 100-01-6   | 4-Nitroaniline             | 330   | U         | 330  | 870        | ug/Kg             |
| 534-52-1   | 4,6-Dinitro-2-methylphenol | 530   | U         | 530  | 1700       | ug/Kg             |
| 86-30-6    | n-Nitrosodiphenylamine     | 170   | U         | 170  | 870        | ug/Kg             |
| 101-55-3   | 4-Bromophenyl-phenylether  | 140   | U         | 140  | 870        | ug/Kg             |
| 118-74-1   | Hexachlorobenzene          | 130   | U         | 130  | 870        | ug/Kg             |
| 1912-24-9  | Atrazine                   | 170   | UQ        | 170  | 870        | ug/Kg             |
| 87-86-5    | Pentachlorophenol          | 260   | U         | 260  | 1700       | ug/Kg             |
| 85-01-8    | Phenanthrene               | 520   | J         | 110  | 870        | ug/Kg             |
| 120-12-7   | Anthracene                 | 170   | U         | 170  | 870        | ug/Kg             |
| 86-74-8    | Carbazole                  | 160   | U         | 160  | 870        | ug/Kg             |
| 84-74-2    | Di-n-butylphthalate        | 240   | U         | 240  | 870        | ug/Kg             |
| 206-44-0   | Fluoranthene               | 830   | J         | 150  | 870        | ug/Kg             |
| 129-00-0   | Pyrene                     | 580   | J         | 180  | 870        | ug/Kg             |
| 85-68-7    | Butylbenzylphthalate       | 360   | U         | 360  | 870        | ug/Kg             |
| 91-94-1    | 3,3-Dichlorobenzidine      | 190   | U         | 190  | 1700       | ug/Kg             |
| 56-55-3    | Benzo(a)anthracene         | 120   | U         | 120  | 870        | ug/Kg             |
| 218-01-9   | Chrysene                   | 550   | J         | 100  | 870        | ug/Kg             |
| 117-81-7   | Bis(2-ethylhexyl)phthalate | 43100 | E         | 300  | 870        | ug/Kg             |
| 117-84-0   | Di-n-octyl phthalate       | 440   | U         | 440  | 1700       | ug/Kg             |
| 205-99-2   | Benzo(b)fluoranthene       | 96.9  | U         | 96.9 | 870        | ug/Kg             |

## Report of Analysis

|                    |                     |                 |                  |
|--------------------|---------------------|-----------------|------------------|
| Client:            | G Environmental     | Date Collected: | 03/12/25         |
| Project:           | Ave L               | Date Received:  | 03/14/25         |
| Client Sample ID:  | WC1                 | SDG No.:        | Q1574            |
| Lab Sample ID:     | Q1574-01            | Matrix:         | SOIL             |
| Analytical Method: | SW8270              | % Solid:        | 98               |
| Sample Wt/Vol:     | 30.02      Units: g | Final Vol:      | 1000      uL     |
| Soil Aliquot Vol:  | uL                  | Test:           | SVOC-TCL BNA -20 |
| Extraction Type :  | Decanted : N        | Level :         | LOW              |
| Injection Volume : | GPC Factor : 1.0    | GPC Cleanup :   | N      PH :      |
| Prep Method :      | SW3541              |                 |                  |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BF141982.D        | 5         | 03/17/25 09:15 | 03/17/25 15:29 | PB167157      |

| CAS Number | Parameter                  | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|------------|----------------------------|-------|-----------|-----|------------|-------------------|
| 207-08-9   | Benzo(k)fluoranthene       | 110   | U         | 110 | 870        | ug/Kg             |
| 50-32-8    | Benzo(a)pyrene             | 150   | U         | 150 | 870        | ug/Kg             |
| 193-39-5   | Indeno(1,2,3-cd)pyrene     | 150   | U         | 150 | 870        | ug/Kg             |
| 53-70-3    | Dibenzo(a,h)anthracene     | 140   | U         | 140 | 870        | ug/Kg             |
| 191-24-2   | Benzo(g,h,i)perylene       | 130   | U         | 130 | 870        | ug/Kg             |
| 95-94-3    | 1,2,4,5-Tetrachlorobenzene | 130   | U         | 130 | 870        | ug/Kg             |
| 123-91-1   | 1,4-Dioxane                | 230   | U         | 230 | 870        | ug/Kg             |
| 58-90-2    | 2,3,4,6-Tetrachlorophenol  | 140   | U         | 140 | 870        | ug/Kg             |

### SURROGATES

|            |                      |      |   |                     |     |          |
|------------|----------------------|------|---|---------------------|-----|----------|
| 367-12-4   | 2-Fluorophenol       | 32.7 | * | 30 (18) - 130 (112) | 22% | SPK: 150 |
| 13127-88-3 | Phenol-d6            | 31.0 | * | 30 (15) - 130 (107) | 21% | SPK: 150 |
| 4165-60-0  | Nitrobenzene-d5      | 23.6 | * | 30 (18) - 130 (107) | 24% | SPK: 100 |
| 321-60-8   | 2-Fluorobiphenyl     | 27.2 | * | 30 (20) - 130 (109) | 27% | SPK: 100 |
| 118-79-6   | 2,4,6-Tribromophenol | 32.0 | * | 30 (10) - 130 (116) | 21% | SPK: 150 |
| 1718-51-0  | Terphenyl-d14        | 26.0 | * | 30 (10) - 130 (105) | 26% | SPK: 100 |

### INTERNAL STANDARDS

|            |                        |        |        |
|------------|------------------------|--------|--------|
| 3855-82-1  | 1,4-Dichlorobenzene-d4 | 135000 | 6.881  |
| 1146-65-2  | Naphthalene-d8         | 483000 | 8.163  |
| 15067-26-2 | Acenaphthene-d10       | 242000 | 9.916  |
| 1517-22-2  | Phenanthrene-d10       | 414000 | 11.404 |
| 1719-03-5  | Chrysene-d12           | 299000 | 14.045 |
| 1520-96-3  | Perylene-d12           | 246000 | 15.569 |

### TENTATIVE IDENTIFIED COMPOUNDS

|              |                                    |      |   |      |       |
|--------------|------------------------------------|------|---|------|-------|
| 000085-44-9  | Phthalic anhydride                 | 720  | J | 8.92 | ug/Kg |
| 000057-10-3  | n-Hexadecanoic acid                | 1400 | J | 11.9 | ug/Kg |
| 000057-11-4  | Octadecanoic acid                  | 2000 | J | 12.7 | ug/Kg |
| 1000377-94-6 | Phthalic acid, 4-methylhept-3-yl u | 3400 | J | 16.8 | ug/Kg |

## Report of Analysis

|                    |                     |                 |                  |
|--------------------|---------------------|-----------------|------------------|
| Client:            | G Environmental     | Date Collected: | 03/12/25         |
| Project:           | Ave L               | Date Received:  | 03/14/25         |
| Client Sample ID:  | WC1                 | SDG No.:        | Q1574            |
| Lab Sample ID:     | Q1574-01            | Matrix:         | SOIL             |
| Analytical Method: | SW8270              | % Solid:        | 98               |
| Sample Wt/Vol:     | 30.02      Units: g | Final Vol:      | 1000      uL     |
| Soil Aliquot Vol:  | uL                  | Test:           | SVOC-TCL BNA -20 |
| Extraction Type :  | Decanted : N        | Level :         | LOW              |
| Injection Volume : | GPC Factor : 1.0    | GPC Cleanup :   | N      PH :      |
| Prep Method :      | SW3541              |                 |                  |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BF141982.D        | 5         | 03/17/25 09:15 | 03/17/25 15:29 | PB167157      |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|------------|-----------|-------|-----------|-----|------------|-------------------|
|------------|-----------|-------|-----------|-----|------------|-------------------|

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

## Report of Analysis

|                    |                        |                 |                              |
|--------------------|------------------------|-----------------|------------------------------|
| Client:            | G Environmental        | Date Collected: | 03/12/25                     |
| Project:           | Ave L                  | Date Received:  | 03/14/25                     |
| Client Sample ID:  | WC1DL                  | SDG No.:        | Q1574                        |
| Lab Sample ID:     | Q1574-01DL             | Matrix:         | SOIL                         |
| Analytical Method: | SW8270                 | % Solid:        | 98                           |
| Sample Wt/Vol:     | 30.02      Units:    g | Final Vol:      | 1000                      uL |
| Soil Aliquot Vol:  | uL                     | Test:           | SVOC-TCL BNA -20             |
| Extraction Type :  | Decanted :      N      | Level :         | LOW                          |
| Injection Volume : | GPC Factor :    1.0    | GPC Cleanup :   | N                      PH :  |
| Prep Method :      | SW3541                 |                 |                              |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BF141984.D        | 25        | 03/17/25 09:15 | 03/17/25 17:00 | PB167157      |

| CAS Number     | Parameter                   | Conc. | Qualifier | MDL  | LOQ / CRQL | Units(Dry Weight) |
|----------------|-----------------------------|-------|-----------|------|------------|-------------------|
| <b>TARGETS</b> |                             |       |           |      |            |                   |
| 100-52-7       | Benzaldehyde                | 4000  | UD        | 4000 | 8400       | ug/Kg             |
| 108-95-2       | Phenol                      | 560   | UD        | 560  | 4300       | ug/Kg             |
| 111-44-4       | bis(2-Chloroethyl)ether     | 620   | UD        | 620  | 4300       | ug/Kg             |
| 95-57-8        | 2-Chlorophenol              | 620   | UD        | 620  | 4300       | ug/Kg             |
| 95-48-7        | 2-Methylphenol              | 760   | UD        | 760  | 4300       | ug/Kg             |
| 108-60-1       | 2,2-oxybis(1-Chloropropane) | 960   | UD        | 960  | 4300       | ug/Kg             |
| 98-86-2        | Acetophenone                | 750   | UD        | 750  | 4300       | ug/Kg             |
| 65794-96-9     | 3+4-Methylphenols           | 1000  | UD        | 1000 | 8400       | ug/Kg             |
| 621-64-7       | n-Nitroso-di-n-propylamine  | 1200  | UD        | 1200 | 2000       | ug/Kg             |
| 67-72-1        | Hexachloroethane            | 450   | UD        | 450  | 4300       | ug/Kg             |
| 98-95-3        | Nitrobenzene                | 470   | UD        | 470  | 4300       | ug/Kg             |
| 78-59-1        | Isophorone                  | 840   | UD        | 840  | 4300       | ug/Kg             |
| 88-75-5        | 2-Nitrophenol               | 1500  | UD        | 1500 | 4300       | ug/Kg             |
| 105-67-9       | 2,4-Dimethylphenol          | 1700  | UD        | 1700 | 4300       | ug/Kg             |
| 111-91-1       | bis(2-Chloroethoxy)methane  | 790   | UD        | 790  | 4300       | ug/Kg             |
| 120-83-2       | 2,4-Dichlorophenol          | 720   | UD        | 720  | 4300       | ug/Kg             |
| 91-20-3        | Naphthalene                 | 580   | UD        | 580  | 4300       | ug/Kg             |
| 106-47-8       | 4-Chloroaniline             | 900   | UDQ       | 900  | 4300       | ug/Kg             |
| 87-68-3        | Hexachlorobutadiene         | 640   | UD        | 640  | 4300       | ug/Kg             |
| 105-60-2       | Caprolactam                 | 1300  | UD        | 1300 | 8400       | ug/Kg             |
| 59-50-7        | 4-Chloro-3-methylphenol     | 730   | UD        | 730  | 4300       | ug/Kg             |
| 91-57-6        | 2-Methylnaphthalene         | 650   | UD        | 650  | 4300       | ug/Kg             |
| 77-47-4        | Hexachlorocyclopentadiene   | 3000  | UDQ       | 3000 | 8400       | ug/Kg             |
| 88-06-2        | 2,4,6-Trichlorophenol       | 500   | UD        | 500  | 4300       | ug/Kg             |
| 95-95-4        | 2,4,5-Trichlorophenol       | 740   | UD        | 740  | 4300       | ug/Kg             |
| 92-52-4        | 1,1-Biphenyl                | 560   | UD        | 560  | 4300       | ug/Kg             |
| 91-58-7        | 2-Chloronaphthalene         | 570   | UD        | 570  | 4300       | ug/Kg             |
| 88-74-4        | 2-Nitroaniline              | 1200  | UD        | 1200 | 4300       | ug/Kg             |
| 131-11-3       | Dimethylphthalate           | 690   | UD        | 690  | 4300       | ug/Kg             |

## Report of Analysis

|                    |                        |                 |                              |
|--------------------|------------------------|-----------------|------------------------------|
| Client:            | G Environmental        | Date Collected: | 03/12/25                     |
| Project:           | Ave L                  | Date Received:  | 03/14/25                     |
| Client Sample ID:  | WC1DL                  | SDG No.:        | Q1574                        |
| Lab Sample ID:     | Q1574-01DL             | Matrix:         | SOIL                         |
| Analytical Method: | SW8270                 | % Solid:        | 98                           |
| Sample Wt/Vol:     | 30.02      Units:    g | Final Vol:      | 1000                      uL |
| Soil Aliquot Vol:  | uL                     | Test:           | SVOC-TCL BNA -20             |
| Extraction Type :  | Decanted :      N      | Level :         | LOW                          |
| Injection Volume : | GPC Factor :    1.0    | GPC Cleanup :   | N                      PH :  |
| Prep Method :      | SW3541                 |                 |                              |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BF141984.D        | 25        | 03/17/25 09:15 | 03/17/25 17:00 | PB167157      |

| CAS Number | Parameter                  | Conc. | Qualifier | MDL  | LOQ / CRQL | Units(Dry Weight) |
|------------|----------------------------|-------|-----------|------|------------|-------------------|
| 208-96-8   | Acenaphthylene             | 740   | UD        | 740  | 4300       | ug/Kg             |
| 606-20-2   | 2,6-Dinitrotoluene         | 860   | UD        | 860  | 4300       | ug/Kg             |
| 99-09-2    | 3-Nitroaniline             | 1200  | UDQ       | 1200 | 4300       | ug/Kg             |
| 83-32-9    | Acenaphthene               | 540   | UD        | 540  | 4300       | ug/Kg             |
| 51-28-5    | 2,4-Dinitrophenol          | 5800  | UD        | 5800 | 8400       | ug/Kg             |
| 100-02-7   | 4-Nitrophenol              | 2700  | UD        | 2700 | 8400       | ug/Kg             |
| 132-64-9   | Dibenzofuran               | 580   | UD        | 580  | 4300       | ug/Kg             |
| 121-14-2   | 2,4-Dinitrotoluene         | 1300  | UD        | 1300 | 4300       | ug/Kg             |
| 84-66-2    | Diethylphthalate           | 720   | UD        | 720  | 4300       | ug/Kg             |
| 7005-72-3  | 4-Chlorophenyl-phenylether | 680   | UD        | 680  | 4300       | ug/Kg             |
| 86-73-7    | Fluorene                   | 640   | UD        | 640  | 4300       | ug/Kg             |
| 100-01-6   | 4-Nitroaniline             | 1600  | UD        | 1600 | 4300       | ug/Kg             |
| 534-52-1   | 4,6-Dinitro-2-methylphenol | 2600  | UD        | 2600 | 8400       | ug/Kg             |
| 86-30-6    | n-Nitrosodiphenylamine     | 840   | UD        | 840  | 4300       | ug/Kg             |
| 101-55-3   | 4-Bromophenyl-phenylether  | 710   | UD        | 710  | 4300       | ug/Kg             |
| 118-74-1   | Hexachlorobenzene          | 640   | UD        | 640  | 4300       | ug/Kg             |
| 1912-24-9  | Atrazine                   | 870   | UDQ       | 870  | 4300       | ug/Kg             |
| 87-86-5    | Pentachlorophenol          | 1300  | UD        | 1300 | 8400       | ug/Kg             |
| 85-01-8    | Phenanthrene               | 530   | UD        | 530  | 4300       | ug/Kg             |
| 120-12-7   | Anthracene                 | 850   | UD        | 850  | 4300       | ug/Kg             |
| 86-74-8    | Carbazole                  | 800   | UD        | 800  | 4300       | ug/Kg             |
| 84-74-2    | Di-n-butylphthalate        | 1200  | UD        | 1200 | 4300       | ug/Kg             |
| 206-44-0   | Fluoranthene               | 760   | UD        | 760  | 4300       | ug/Kg             |
| 129-00-0   | Pyrene                     | 920   | UD        | 920  | 4300       | ug/Kg             |
| 85-68-7    | Butylbenzylphthalate       | 1800  | UD        | 1800 | 4300       | ug/Kg             |
| 91-94-1    | 3,3-Dichlorobenzidine      | 940   | UD        | 940  | 8400       | ug/Kg             |
| 56-55-3    | Benzo(a)anthracene         | 590   | UD        | 590  | 4300       | ug/Kg             |
| 218-01-9   | Chrysene                   | 510   | UD        | 510  | 4300       | ug/Kg             |
| 117-81-7   | Bis(2-ethylhexyl)phthalate | 50800 | D         | 1500 | 4300       | ug/Kg             |
| 117-84-0   | Di-n-octyl phthalate       | 2200  | UD        | 2200 | 8400       | ug/Kg             |
| 205-99-2   | Benzo(b)fluoranthene       | 480   | UD        | 480  | 4300       | ug/Kg             |

## Report of Analysis

|                    |                     |                 |                  |
|--------------------|---------------------|-----------------|------------------|
| Client:            | G Environmental     | Date Collected: | 03/12/25         |
| Project:           | Ave L               | Date Received:  | 03/14/25         |
| Client Sample ID:  | WC1DL               | SDG No.:        | Q1574            |
| Lab Sample ID:     | Q1574-01DL          | Matrix:         | SOIL             |
| Analytical Method: | SW8270              | % Solid:        | 98               |
| Sample Wt/Vol:     | 30.02      Units: g | Final Vol:      | 1000      uL     |
| Soil Aliquot Vol:  | uL                  | Test:           | SVOC-TCL BNA -20 |
| Extraction Type :  | Decanted : N        | Level :         | LOW              |
| Injection Volume : | GPC Factor : 1.0    | GPC Cleanup :   | N      PH :      |
| Prep Method :      | SW3541              |                 |                  |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BF141984.D        | 25        | 03/17/25 09:15 | 03/17/25 17:00 | PB167157      |

| CAS Number                | Parameter                  | Conc.  | Qualifier | MDL                 | LOQ / CRQL | Units(Dry Weight) |
|---------------------------|----------------------------|--------|-----------|---------------------|------------|-------------------|
| 207-08-9                  | Benzo(k)fluoranthene       | 570    | UD        | 570                 | 4300       | ug/Kg             |
| 50-32-8                   | Benzo(a)pyrene             | 750    | UD        | 750                 | 4300       | ug/Kg             |
| 193-39-5                  | Indeno(1,2,3-cd)pyrene     | 740    | UD        | 740                 | 4300       | ug/Kg             |
| 53-70-3                   | Dibenzo(a,h)anthracene     | 700    | UD        | 700                 | 4300       | ug/Kg             |
| 191-24-2                  | Benzo(g,h,i)perylene       | 660    | UD        | 660                 | 4300       | ug/Kg             |
| 95-94-3                   | 1,2,4,5-Tetrachlorobenzene | 650    | UD        | 650                 | 4300       | ug/Kg             |
| 123-91-1                  | 1,4-Dioxane                | 1200   | UD        | 1200                | 4300       | ug/Kg             |
| 58-90-2                   | 2,3,4,6-Tetrachlorophenol  | 700    | UD        | 700                 | 4300       | ug/Kg             |
| <b>SURROGATES</b>         |                            |        |           |                     |            |                   |
| 367-12-4                  | 2-Fluorophenol             | 29.2   | *         | 30 (18) - 130 (112) | 19%        | SPK: 150          |
| 13127-88-3                | Phenol-d6                  | 26.8   | *         | 30 (15) - 130 (107) | 18%        | SPK: 150          |
| 4165-60-0                 | Nitrobenzene-d5            | 22.1   | *         | 30 (18) - 130 (107) | 22%        | SPK: 100          |
| 321-60-8                  | 2-Fluorobiphenyl           | 26.3   | *         | 30 (20) - 130 (109) | 26%        | SPK: 100          |
| 118-79-6                  | 2,4,6-Tribromophenol       | 26.6   | *         | 30 (10) - 130 (116) | 18%        | SPK: 150          |
| 1718-51-0                 | Terphenyl-d14              | 25.9   | *         | 30 (10) - 130 (105) | 26%        | SPK: 100          |
| <b>INTERNAL STANDARDS</b> |                            |        |           |                     |            |                   |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4     | 122000 | 6.881     |                     |            |                   |
| 1146-65-2                 | Naphthalene-d8             | 437000 | 8.163     |                     |            |                   |
| 15067-26-2                | Acenaphthene-d10           | 216000 | 9.916     |                     |            |                   |
| 1517-22-2                 | Phenanthrene-d10           | 380000 | 11.404    |                     |            |                   |
| 1719-03-5                 | Chrysene-d12               | 298000 | 14.039    |                     |            |                   |
| 1520-96-3                 | Perylene-d12               | 225000 | 15.527    |                     |            |                   |

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products



# QC SUMMARY



## Surrogate Summary

SW-846

SDG No.: **Q1574**

Client: **G Environmental**

Analytical Method: **8270E**

| Lab Sample ID | Client ID         | Parameter            | Spike (PPM) | Result (PPM) | Recovery (%) | Qual | Limits (%) |           |
|---------------|-------------------|----------------------|-------------|--------------|--------------|------|------------|-----------|
|               |                   |                      |             |              |              |      | Low        | High      |
| PB167157BL    | PB167157BL        | 2-Fluorophenol       | 150         | 151          | 101          |      | 30 (18)    | 130 (112) |
|               |                   | Phenol-d6            | 150         | 144          | 96           |      | 30 (15)    | 130 (107) |
|               |                   | Nitrobenzene-d5      | 100         | 96.9         | 97           |      | 30 (18)    | 130 (107) |
|               |                   | 2-Fluorobiphenyl     | 100         | 97.8         | 98           |      | 30 (20)    | 130 (109) |
|               |                   | 2,4,6-Tribromophenol | 150         | 146          | 97           |      | 30 (10)    | 130 (116) |
|               |                   | Terphenyl-d14        | 100         | 110          | 110          |      | 30 (10)    | 130 (105) |
| PB167157BS    | PB167157BS        | 2-Fluorophenol       | 150         | 156          | 104          |      | 30 (18)    | 130 (112) |
|               |                   | Phenol-d6            | 150         | 148          | 98           |      | 30 (15)    | 130 (107) |
|               |                   | Nitrobenzene-d5      | 100         | 99.5         | 100          |      | 30 (18)    | 130 (107) |
|               |                   | 2-Fluorobiphenyl     | 100         | 96.5         | 96           |      | 30 (20)    | 130 (109) |
|               |                   | 2,4,6-Tribromophenol | 150         | 154          | 102          |      | 30 (10)    | 130 (116) |
|               |                   | Terphenyl-d14        | 100         | 102          | 102          |      | 30 (10)    | 130 (105) |
| Q1574-01      | WC1               | 2-Fluorophenol       | 150         | 32.7         | 22           | *    | 30 (18)    | 130 (112) |
|               |                   | Phenol-d6            | 150         | 31.0         | 21           | *    | 30 (15)    | 130 (107) |
|               |                   | Nitrobenzene-d5      | 100         | 23.6         | 24           | *    | 30 (18)    | 130 (107) |
|               |                   | 2-Fluorobiphenyl     | 100         | 27.2         | 27           | *    | 30 (20)    | 130 (109) |
|               |                   | 2,4,6-Tribromophenol | 150         | 32.0         | 21           | *    | 30 (10)    | 130 (116) |
|               |                   | Terphenyl-d14        | 100         | 26.0         | 26           | *    | 30 (10)    | 130 (105) |
| Q1574-01DL    | WC1DL             | 2-Fluorophenol       | 150         | 29.2         | 19           | *    | 30 (18)    | 130 (112) |
|               |                   | Phenol-d6            | 150         | 26.8         | 18           | *    | 30 (15)    | 130 (107) |
|               |                   | Nitrobenzene-d5      | 100         | 22.1         | 22           | *    | 30 (18)    | 130 (107) |
|               |                   | 2-Fluorobiphenyl     | 100         | 26.3         | 26           | *    | 30 (20)    | 130 (109) |
|               |                   | 2,4,6-Tribromophenol | 150         | 26.6         | 18           | *    | 30 (10)    | 130 (116) |
|               |                   | Terphenyl-d14        | 100         | 25.9         | 26           | *    | 30 (10)    | 130 (105) |
| Q1585-01MS    | OK-02-03142025MS  | 2-Fluorophenol       | 150         | 92.6         | 62           |      | 30 (18)    | 130 (112) |
|               |                   | Phenol-d6            | 150         | 87.6         | 58           |      | 30 (15)    | 130 (107) |
|               |                   | Nitrobenzene-d5      | 100         | 66.5         | 67           |      | 30 (18)    | 130 (107) |
|               |                   | 2-Fluorobiphenyl     | 100         | 73.3         | 73           |      | 30 (20)    | 130 (109) |
|               |                   | 2,4,6-Tribromophenol | 150         | 89.9         | 60           |      | 30 (10)    | 130 (116) |
|               |                   | Terphenyl-d14        | 100         | 62.8         | 63           |      | 30 (10)    | 130 (105) |
| Q1585-01MSD   | OK-02-03142025MSD | 2-Fluorophenol       | 150         | 97.1         | 65           |      | 30 (18)    | 130 (112) |
|               |                   | Phenol-d6            | 150         | 90.8         | 61           |      | 30 (15)    | 130 (107) |
|               |                   | Nitrobenzene-d5      | 100         | 69.9         | 70           |      | 30 (18)    | 130 (107) |
|               |                   | 2-Fluorobiphenyl     | 100         | 74.6         | 75           |      | 30 (20)    | 130 (109) |
|               |                   | 2,4,6-Tribromophenol | 150         | 95.2         | 63           |      | 30 (10)    | 130 (116) |
|               |                   | Terphenyl-d14        | 100         | 65.5         | 66           |      | 30 (10)    | 130 (105) |

**Matrix Spike/Matrix Spike Duplicate Summary**

**SW-846**

**SDG No.:** Q1574

**Client:** G Environmental

**Analytical Method:** SW8270E

| Parameter                        | Spike | Sample Result                             | Result | Units                       | Rec | Rec Qual | RPD | RPD Qual | Low     | Limits High | RPD |
|----------------------------------|-------|-------------------------------------------|--------|-----------------------------|-----|----------|-----|----------|---------|-------------|-----|
| <b>Lab Sample ID: Q1585-01MS</b> |       | <b>Client Sample ID: OK-02-03142025MS</b> |        | <b>DataFile: BF141980.D</b> |     |          |     |          |         |             |     |
| Benzaldehyde                     | 1000  | 0                                         | 390    | ug/Kg                       | 39  |          |     |          | 20 (10) | 160 (86)    |     |
| Phenol                           | 1000  | 0                                         | 880    | ug/Kg                       | 88  |          |     |          | 20 (67) | 160 (126)   |     |
| bis(2-Chloroethyl)ether          | 1000  | 0                                         | 930    | ug/Kg                       | 93  |          |     |          | 70 (54) | 130 (125)   |     |
| 2-Chlorophenol                   | 1000  | 0                                         | 910    | ug/Kg                       | 91  |          |     |          | 70 (79) | 130 (107)   |     |
| 2-Methylphenol                   | 1000  | 0                                         | 870    | ug/Kg                       | 87  |          |     |          | 70 (66) | 130 (122)   |     |
| 2,2-oxybis(1-Chloropropane)      | 1000  | 0                                         | 840    | ug/Kg                       | 84  |          |     |          | 70 (65) | 130 (110)   |     |
| Acetophenone                     | 1000  | 0                                         | 1100   | ug/Kg                       | 110 |          |     |          | 70 (75) | 130 (111)   |     |
| 3+4-Methylphenols                | 1000  | 0                                         | 870    | ug/Kg                       | 87  |          |     |          | 20 (66) | 160 (104)   |     |
| N-Nitroso-di-n-propylamine       | 1000  | 0                                         | 850    | ug/Kg                       | 85  |          |     |          | 70 (59) | 130 (119)   |     |
| Hexachloroethane                 | 1000  | 0                                         | 890    | ug/Kg                       | 89  |          |     |          | 20 (65) | 160 (117)   |     |
| Nitrobenzene                     | 1000  | 0                                         | 950    | ug/Kg                       | 95  |          |     |          | 70 (70) | 130 (119)   |     |
| Isophorone                       | 1000  | 0                                         | 970    | ug/Kg                       | 97  |          |     |          | 70 (76) | 130 (122)   |     |
| 2-Nitrophenol                    | 1000  | 0                                         | 890    | ug/Kg                       | 89  |          |     |          | 70 (54) | 130 (145)   |     |
| 2,4-Dimethylphenol               | 1000  | 0                                         | 1100   | ug/Kg                       | 110 |          |     |          | 70 (44) | 130 (135)   |     |
| bis(2-Chloroethoxy)methane       | 1000  | 0                                         | 940    | ug/Kg                       | 94  |          |     |          | 70 (68) | 130 (112)   |     |
| 2,4-Dichlorophenol               | 1000  | 0                                         | 890    | ug/Kg                       | 89  |          |     |          | 70 (72) | 130 (118)   |     |
| Naphthalene                      | 1000  | 0                                         | 930    | ug/Kg                       | 93  |          |     |          | 70 (72) | 130 (110)   |     |
| 4-Chloroaniline                  | 1000  | 0                                         | 330    | ug/Kg                       | 33  | *        |     |          | 70 (10) | 130 (91)    |     |
| Hexachlorobutadiene              | 1000  | 0                                         | 990    | ug/Kg                       | 99  |          |     |          | 70 (66) | 130 (114)   |     |
| Caprolactam                      | 1000  | 0                                         | 950    | ug/Kg                       | 95  |          |     |          | 20 (51) | 160 (134)   |     |
| 4-Chloro-3-methylphenol          | 1000  | 0                                         | 810    | ug/Kg                       | 81  |          |     |          | 70 (57) | 130 (132)   |     |
| 2-Methylnaphthalene              | 1000  | 0                                         | 860    | ug/Kg                       | 86  |          |     |          | 70 (59) | 130 (123)   |     |
| Hexachlorocyclopentadiene        | 2100  | 0                                         | 1300   | ug/Kg                       | 62  |          |     |          | 20 (10) | 160 (175)   |     |
| 2,4,6-Trichlorophenol            | 1000  | 0                                         | 960    | ug/Kg                       | 96  |          |     |          | 70 (72) | 130 (117)   |     |
| 2,4,5-Trichlorophenol            | 1000  | 0                                         | 970    | ug/Kg                       | 97  |          |     |          | 70 (72) | 130 (117)   |     |
| 1,1-Biphenyl                     | 1000  | 0                                         | 1100   | ug/Kg                       | 110 |          |     |          | 70 (75) | 130 (113)   |     |
| 2-Chloronaphthalene              | 1000  | 0                                         | 970    | ug/Kg                       | 97  |          |     |          | 70 (67) | 130 (118)   |     |
| 2-Nitroaniline                   | 1000  | 0                                         | 980    | ug/Kg                       | 98  |          |     |          | 70 (69) | 130 (127)   |     |
| Dimethylphthalate                | 1000  | 0                                         | 990    | ug/Kg                       | 99  |          |     |          | 70 (70) | 130 (113)   |     |
| Acenaphthylene                   | 1000  | 150                                       | 1100   | ug/Kg                       | 95  |          |     |          | 70 (79) | 130 (118)   |     |
| 2,6-Dinitrotoluene               | 1000  | 0                                         | 920    | ug/Kg                       | 92  |          |     |          | 70 (70) | 130 (125)   |     |
| 3-Nitroaniline                   | 1000  | 0                                         | 800    | ug/Kg                       | 80  |          |     |          | 70 (30) | 130 (99)    |     |
| Acenaphthene                     | 1000  | 120                                       | 980    | ug/Kg                       | 86  |          |     |          | 70 (70) | 130 (121)   |     |
| 2,4-Dinitrophenol                | 2100  | 0                                         | 580    | ug/Kg                       | 28  |          |     |          | 20 (10) | 160 (155)   |     |
| 4-Nitrophenol                    | 2100  | 0                                         | 2100   | ug/Kg                       | 100 |          |     |          | 20 (45) | 160 (133)   |     |
| Dibenzofuran                     | 1000  | 0                                         | 950    | ug/Kg                       | 95  |          |     |          | 70 (72) | 130 (110)   |     |
| 2,4-Dinitrotoluene               | 1000  | 0                                         | 920    | ug/Kg                       | 92  |          |     |          | 70 (55) | 130 (128)   |     |
| Diethylphthalate                 | 1000  | 0                                         | 940    | ug/Kg                       | 94  |          |     |          | 70 (70) | 130 (112)   |     |
| 4-Chlorophenyl-phenylether       | 1000  | 0                                         | 920    | ug/Kg                       | 92  |          |     |          | 70 (71) | 130 (108)   |     |
| Fluorene                         | 1000  | 200                                       | 1100   | ug/Kg                       | 90  |          |     |          | 70 (68) | 130 (116)   |     |
| 4-Nitroaniline                   | 1000  | 0                                         | 850    | ug/Kg                       | 85  |          |     |          | 70 (55) | 130 (120)   |     |
| 4,6-Dinitro-2-methylphenol       | 1000  | 0                                         | 230    | ug/Kg                       | 23  | *        |     |          | 70 (10) | 130 (160)   |     |
| N-Nitrosodiphenylamine           | 1000  | 0                                         | 950    | ug/Kg                       | 95  |          |     |          | 70 (73) | 130 (118)   |     |
| 4-Bromophenyl-phenylether        | 1000  | 0                                         | 900    | ug/Kg                       | 90  |          |     |          | 70 (65) | 130 (121)   |     |
| Hexachlorobenzene                | 1000  | 0                                         | 910    | ug/Kg                       | 91  |          |     |          | 70 (67) | 130 (118)   |     |
| Atrazine                         | 1000  | 0                                         | 1200   | ug/Kg                       | 120 |          |     |          | 70 (79) | 130 (127)   |     |

( ) = LABORATORY INHOUSE LIMIT

**Matrix Spike/Matrix Spike Duplicate Summary**

**SW-846**

**SDG No.:** Q1574

**Client:** G Environmental

**Analytical Method:** SW8270E

| Parameter                  | Spike | Sample<br>Result | Result | Units | Rec | Rec<br>Qual | RPD | RPD<br>Qual | Low     | Limits<br>High | RPD |
|----------------------------|-------|------------------|--------|-------|-----|-------------|-----|-------------|---------|----------------|-----|
| Pentachlorophenol          | 2100  | 0                | 1900   | ug/Kg | 90  |             |     |             | 20 (47) | 160 (128)      |     |
| Phenanthrene               | 1000  | 1100             | 1700   | ug/Kg | 60  | *           |     |             | 70 (52) | 130 (128)      |     |
| Anthracene                 | 1000  | 280              | 1100   | ug/Kg | 82  |             |     |             | 70 (62) | 130 (124)      |     |
| Carbazole                  | 1000  | 140              | 1100   | ug/Kg | 96  |             |     |             | 70 (59) | 130 (119)      |     |
| Di-n-butylphthalate        | 1000  | 0                | 940    | ug/Kg | 94  |             |     |             | 70 (69) | 130 (118)      |     |
| Fluoranthene               | 1000  | 1300             | 1800   | ug/Kg | 50  | *           |     |             | 70 (44) | 130 (125)      |     |
| Pyrene                     | 1000  | 790              | 1500   | ug/Kg | 71  |             |     |             | 70 (26) | 130 (142)      |     |
| Butylbenzylphthalate       | 1000  | 0                | 910    | ug/Kg | 91  |             |     |             | 70 (64) | 130 (126)      |     |
| 3,3-Dichlorobenzidine      | 1000  | 0                | 890    | ug/Kg | 89  |             |     |             | 70 (33) | 130 (116)      |     |
| Benzo(a)anthracene         | 1000  | 630              | 1300   | ug/Kg | 67  | *           |     |             | 70 (71) | 130 (114)      |     |
| Chrysene                   | 1000  | 630              | 1300   | ug/Kg | 67  | *           |     |             | 70 (57) | 130 (121)      |     |
| bis(2-Ethylhexyl)phthalate | 1000  | 91.3             | 930    | ug/Kg | 84  |             |     |             | 70 (42) | 130 (169)      |     |
| Di-n-octyl phthalate       | 1000  | 0                | 1000   | ug/Kg | 100 |             |     |             | 70 (23) | 130 (175)      |     |
| Benzo(b)fluoranthene       | 1000  | 640              | 1400   | ug/Kg | 76  |             |     |             | 70 (67) | 130 (121)      |     |
| Benzo(k)fluoranthene       | 1000  | 310              | 990    | ug/Kg | 68  | *           |     |             | 70 (57) | 130 (134)      |     |
| Benzo(a)pyrene             | 1000  | 570              | 1300   | ug/Kg | 73  |             |     |             | 70 (70) | 130 (142)      |     |
| Indeno(1,2,3-cd)pyrene     | 1000  | 240              | 1000   | ug/Kg | 76  |             |     |             | 70 (40) | 130 (129)      |     |
| Dibenz(a,h)anthracene      | 1000  | 0                | 880    | ug/Kg | 88  |             |     |             | 70 (43) | 130 (123)      |     |
| Benzo(g,h,i)perylene       | 1000  | 310              | 1000   | ug/Kg | 69  | *           |     |             | 70 (24) | 130 (125)      |     |
| 1,2,4,5-Tetrachlorobenzene | 1000  | 0                | 1100   | ug/Kg | 110 |             |     |             | 70 (69) | 130 (124)      |     |
| 1,4-Dioxane                | 1000  | 0                | 970    | ug/Kg | 97  |             |     |             | 20 (46) | 160 (112)      |     |
| 2,3,4,6-Tetrachlorophenol  | 1000  | 0                | 880    | ug/Kg | 88  |             |     |             | 70 (69) | 130 (112)      |     |

**Matrix Spike/Matrix Spike Duplicate Summary**

**SW-846**

**SDG No.:** Q1574

**Client:** G Environmental

**Analytical Method:** SW8270E

| Parameter                         | Spike | Sample Result                              | Result | Units                       | Rec | Rec Qual | RPD | RPD Qual | Low     | Limits High | RPD     |
|-----------------------------------|-------|--------------------------------------------|--------|-----------------------------|-----|----------|-----|----------|---------|-------------|---------|
| <b>Lab Sample ID: Q1585-01MSD</b> |       | <b>Client Sample ID: OK-02-03142025MSD</b> |        | <b>DataFile: BF141981.D</b> |     |          |     |          |         |             |         |
| Benzaldehyde                      | 1000  | 0                                          | 400    | ug/Kg                       | 40  |          | 3   |          | 20 (10) | 160 (86)    | 30 (20) |
| Phenol                            | 1000  | 0                                          | 930    | ug/Kg                       | 93  |          | 6   |          | 20 (67) | 160 (126)   | 30 (20) |
| bis(2-Chloroethyl)ether           | 1000  | 0                                          | 960    | ug/Kg                       | 96  |          | 3   |          | 70 (54) | 130 (125)   | 30 (20) |
| 2-Chlorophenol                    | 1000  | 0                                          | 940    | ug/Kg                       | 94  |          | 3   |          | 70 (79) | 130 (107)   | 30 (20) |
| 2-Methylphenol                    | 1000  | 0                                          | 900    | ug/Kg                       | 90  |          | 3   |          | 70 (66) | 130 (122)   | 30 (20) |
| 2,2-oxybis(1-Chloropropane)       | 1000  | 0                                          | 870    | ug/Kg                       | 87  |          | 4   |          | 70 (65) | 130 (110)   | 30 (20) |
| Acetophenone                      | 1000  | 0                                          | 1100   | ug/Kg                       | 110 |          | 0   |          | 70 (75) | 130 (111)   | 30 (20) |
| 3+4-Methylphenols                 | 1000  | 0                                          | 910    | ug/Kg                       | 91  |          | 4   |          | 20 (66) | 160 (104)   | 30 (20) |
| N-Nitroso-di-n-propylamine        | 1000  | 0                                          | 860    | ug/Kg                       | 86  |          | 1   |          | 70 (59) | 130 (119)   | 30 (20) |
| Hexachloroethane                  | 1000  | 0                                          | 890    | ug/Kg                       | 89  |          | 0   |          | 20 (65) | 160 (117)   | 30 (20) |
| Nitrobenzene                      | 1000  | 0                                          | 1000   | ug/Kg                       | 100 |          | 5   |          | 70 (70) | 130 (119)   | 30 (20) |
| Isophorone                        | 1000  | 0                                          | 1000   | ug/Kg                       | 100 |          | 3   |          | 70 (76) | 130 (122)   | 30 (20) |
| 2-Nitrophenol                     | 1000  | 0                                          | 910    | ug/Kg                       | 91  |          | 2   |          | 70 (54) | 130 (145)   | 30 (20) |
| 2,4-Dimethylphenol                | 1000  | 0                                          | 1200   | ug/Kg                       | 120 |          | 9   |          | 70 (44) | 130 (135)   | 30 (20) |
| bis(2-Chloroethoxy)methane        | 1000  | 0                                          | 980    | ug/Kg                       | 98  |          | 4   |          | 70 (68) | 130 (112)   | 30 (20) |
| 2,4-Dichlorophenol                | 1000  | 0                                          | 940    | ug/Kg                       | 94  |          | 5   |          | 70 (72) | 130 (118)   | 30 (20) |
| Naphthalene                       | 1000  | 0                                          | 980    | ug/Kg                       | 98  |          | 5   |          | 70 (72) | 130 (110)   | 30 (20) |
| 4-Chloroaniline                   | 1000  | 0                                          | 460    | ug/Kg                       | 46  | *        | 33  | *        | 70 (10) | 130 (91)    | 30 (20) |
| Hexachlorobutadiene               | 1000  | 0                                          | 1000   | ug/Kg                       | 100 |          | 1   |          | 70 (66) | 130 (114)   | 30 (20) |
| Caprolactam                       | 1000  | 0                                          | 1000   | ug/Kg                       | 100 |          | 5   |          | 20 (51) | 160 (134)   | 30 (20) |
| 4-Chloro-3-methylphenol           | 1000  | 0                                          | 860    | ug/Kg                       | 86  |          | 6   |          | 70 (57) | 130 (132)   | 30 (20) |
| 2-Methylnaphthalene               | 1000  | 0                                          | 900    | ug/Kg                       | 90  |          | 5   |          | 70 (59) | 130 (123)   | 30 (20) |
| Hexachlorocyclopentadiene         | 2100  | 0                                          | 900    | ug/Kg                       | 43  |          | 36  | *        | 20 (10) | 160 (175)   | 30 (20) |
| 2,4,6-Trichlorophenol             | 1000  | 0                                          | 980    | ug/Kg                       | 98  |          | 2   |          | 70 (72) | 130 (117)   | 30 (20) |
| 2,4,5-Trichlorophenol             | 1000  | 0                                          | 990    | ug/Kg                       | 99  |          | 2   |          | 70 (72) | 130 (117)   | 30 (20) |
| 1,1-Biphenyl                      | 1000  | 0                                          | 1200   | ug/Kg                       | 120 |          | 9   |          | 70 (75) | 130 (113)   | 30 (20) |
| 2-Chloronaphthalene               | 1000  | 0                                          | 1000   | ug/Kg                       | 100 |          | 3   |          | 70 (67) | 130 (118)   | 30 (20) |
| 2-Nitroaniline                    | 1000  | 0                                          | 1000   | ug/Kg                       | 100 |          | 2   |          | 70 (69) | 130 (127)   | 30 (20) |
| Dimethylphthalate                 | 1000  | 0                                          | 1000   | ug/Kg                       | 100 |          | 1   |          | 70 (70) | 130 (113)   | 30 (20) |
| Acenaphthylene                    | 1000  | 150                                        | 1100   | ug/Kg                       | 95  |          | 0   |          | 70 (79) | 130 (118)   | 30 (20) |
| 2,6-Dinitrotoluene                | 1000  | 0                                          | 960    | ug/Kg                       | 96  |          | 4   |          | 70 (70) | 130 (125)   | 30 (20) |
| 3-Nitroaniline                    | 1000  | 0                                          | 880    | ug/Kg                       | 88  |          | 10  |          | 70 (30) | 130 (99)    | 30 (20) |
| Acenaphthene                      | 1000  | 120                                        | 1000   | ug/Kg                       | 88  |          | 2   |          | 70 (70) | 130 (121)   | 30 (20) |
| 2,4-Dinitrophenol                 | 2100  | 0                                          | 470    | ug/Kg                       | 22  |          | 24  |          | 20 (10) | 160 (155)   | 30 (20) |
| 4-Nitrophenol                     | 2100  | 0                                          | 2200   | ug/Kg                       | 105 |          | 5   |          | 20 (45) | 160 (133)   | 30 (20) |
| Dibenzofuran                      | 1000  | 0                                          | 990    | ug/Kg                       | 99  |          | 4   |          | 70 (72) | 130 (110)   | 30 (20) |
| 2,4-Dinitrotoluene                | 1000  | 0                                          | 960    | ug/Kg                       | 96  |          | 4   |          | 70 (55) | 130 (128)   | 30 (20) |
| Diethylphthalate                  | 1000  | 0                                          | 960    | ug/Kg                       | 96  |          | 2   |          | 70 (70) | 130 (112)   | 30 (20) |
| 4-Chlorophenyl-phenylether        | 1000  | 0                                          | 950    | ug/Kg                       | 95  |          | 3   |          | 70 (71) | 130 (108)   | 30 (20) |
| Fluorene                          | 1000  | 200                                        | 1100   | ug/Kg                       | 90  |          | 0   |          | 70 (68) | 130 (116)   | 30 (20) |
| 4-Nitroaniline                    | 1000  | 0                                          | 940    | ug/Kg                       | 94  |          | 10  |          | 70 (55) | 130 (120)   | 30 (20) |
| 4,6-Dinitro-2-methylphenol        | 1000  | 0                                          | 160    | ug/Kg                       | 16  | *        | 36  | *        | 70 (10) | 130 (160)   | 30 (20) |
| N-Nitrosodiphenylamine            | 1000  | 0                                          | 990    | ug/Kg                       | 99  |          | 4   |          | 70 (73) | 130 (118)   | 30 (20) |
| 4-Bromophenyl-phenylether         | 1000  | 0                                          | 930    | ug/Kg                       | 93  |          | 3   |          | 70 (65) | 130 (121)   | 30 (20) |
| Hexachlorobenzene                 | 1000  | 0                                          | 960    | ug/Kg                       | 96  |          | 5   |          | 70 (67) | 130 (118)   | 30 (20) |
| Atrazine                          | 1000  | 0                                          | 1300   | ug/Kg                       | 130 |          | 8   |          | 70 (79) | 130 (127)   | 30 (20) |

( ) = LABORATORY INHOUSE LIMIT

**Matrix Spike/Matrix Spike Duplicate Summary**

**SW-846**

**SDG No.:** Q1574

**Client:** G Environmental

**Analytical Method:** SW8270E

| Parameter                  | Spike | Sample<br>Result | Result | Units | Rec | Rec<br>Qual | RPD | RPD<br>Qual | Low     | Limits<br>High | RPD     |
|----------------------------|-------|------------------|--------|-------|-----|-------------|-----|-------------|---------|----------------|---------|
| Pentachlorophenol          | 2100  | 0                | 2000   | ug/Kg | 95  |             | 5   |             | 20 (47) | 160 (128)      | 30 (20) |
| Phenanthrene               | 1000  | 1100             | 1800   | ug/Kg | 70  |             | 15  |             | 70 (52) | 130 (128)      | 30 (20) |
| Anthracene                 | 1000  | 280              | 1200   | ug/Kg | 92  |             | 11  |             | 70 (62) | 130 (124)      | 30 (20) |
| Carbazole                  | 1000  | 140              | 1100   | ug/Kg | 96  |             | 0   |             | 70 (59) | 130 (119)      | 30 (20) |
| Di-n-butylphthalate        | 1000  | 0                | 990    | ug/Kg | 99  |             | 5   |             | 70 (69) | 130 (118)      | 30 (20) |
| Fluoranthene               | 1000  | 1300             | 1900   | ug/Kg | 60  | *           | 18  |             | 70 (44) | 130 (125)      | 30 (20) |
| Pyrene                     | 1000  | 790              | 1600   | ug/Kg | 81  |             | 13  |             | 70 (26) | 130 (142)      | 30 (20) |
| Butylbenzylphthalate       | 1000  | 0                | 970    | ug/Kg | 97  |             | 6   |             | 70 (64) | 130 (126)      | 30 (20) |
| 3,3-Dichlorobenzidine      | 1000  | 0                | 980    | ug/Kg | 98  |             | 10  |             | 70 (33) | 130 (116)      | 30 (20) |
| Benzo(a)anthracene         | 1000  | 630              | 1400   | ug/Kg | 77  |             | 14  |             | 70 (71) | 130 (114)      | 30 (20) |
| Chrysene                   | 1000  | 630              | 1400   | ug/Kg | 77  |             | 14  |             | 70 (57) | 130 (121)      | 30 (20) |
| bis(2-Ethylhexyl)phthalate | 1000  | 91.3             | 990    | ug/Kg | 90  |             | 7   |             | 70 (42) | 130 (169)      | 30 (20) |
| Di-n-octyl phthalate       | 1000  | 0                | 1000   | ug/Kg | 100 |             | 0   |             | 70 (23) | 130 (175)      | 30 (20) |
| Benzo(b)fluoranthene       | 1000  | 640              | 1400   | ug/Kg | 76  |             | 0   |             | 70 (67) | 130 (121)      | 30 (20) |
| Benzo(k)fluoranthene       | 1000  | 310              | 1100   | ug/Kg | 79  |             | 15  |             | 70 (57) | 130 (134)      | 30 (20) |
| Benzo(a)pyrene             | 1000  | 570              | 1400   | ug/Kg | 83  |             | 13  |             | 70 (70) | 130 (142)      | 30 (20) |
| Indeno(1,2,3-cd)pyrene     | 1000  | 240              | 1100   | ug/Kg | 86  |             | 12  |             | 70 (40) | 130 (129)      | 30 (20) |
| Dibenz(a,h)anthracene      | 1000  | 0                | 930    | ug/Kg | 93  |             | 6   |             | 70 (43) | 130 (123)      | 30 (20) |
| Benzo(g,h,i)perylene       | 1000  | 310              | 1100   | ug/Kg | 79  |             | 14  |             | 70 (24) | 130 (125)      | 30 (20) |
| 1,2,4,5-Tetrachlorobenzene | 1000  | 0                | 1200   | ug/Kg | 120 |             | 9   |             | 70 (69) | 130 (124)      | 30 (20) |
| 1,4-Dioxane                | 1000  | 0                | 1000   | ug/Kg | 100 |             | 3   |             | 20 (46) | 160 (112)      | 30 (20) |
| 2,3,4,6-Tetrachlorophenol  | 1000  | 0                | 940    | ug/Kg | 94  |             | 7   |             | 70 (69) | 130 (112)      | 30 (20) |

## Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1574

Client: G Environmental

Analytical Method: 8270E

DataFile: BP024181.D

| Lab Sample ID | Parameter                   | Spike | Result | Unit  | Rec | RPD | Qual | RPD  | Limits  |           | RPD |
|---------------|-----------------------------|-------|--------|-------|-----|-----|------|------|---------|-----------|-----|
|               |                             |       |        |       |     |     |      | Qual | Low     | High      |     |
| PB167157BS    | Benzaldehyde                | 1700  | 720    | ug/Kg | 42  |     |      |      | 20 (10) | 160 (133) |     |
|               | Phenol                      | 1700  | 1600   | ug/Kg | 94  |     |      |      | 20 (62) | 160 (112) |     |
|               | bis(2-Chloroethyl)ether     | 1700  | 1500   | ug/Kg | 88  |     |      |      | 70 (60) | 130 (101) |     |
|               | 2-Chlorophenol              | 1700  | 1600   | ug/Kg | 94  |     |      |      | 70 (65) | 130 (112) |     |
|               | 2-Methylphenol              | 1700  | 1600   | ug/Kg | 94  |     |      |      | 70 (61) | 130 (108) |     |
|               | 2,2-oxybis(1-Chloropropane) | 1700  | 1600   | ug/Kg | 94  |     |      |      | 70 (51) | 130 (100) |     |
|               | Acetophenone                | 1700  | 1600   | ug/Kg | 94  |     |      |      | 70 (66) | 130 (98)  |     |
|               | 3+4-Methylphenols           | 1700  | 1600   | ug/Kg | 94  |     |      |      | 20 (58) | 160 (111) |     |
|               | N-Nitroso-di-n-propylamine  | 1700  | 1500   | ug/Kg | 88  |     |      |      | 70 (63) | 130 (95)  |     |
|               | Hexachloroethane            | 1700  | 1500   | ug/Kg | 88  |     |      |      | 20 (72) | 160 (108) |     |
|               | Nitrobenzene                | 1700  | 1500   | ug/Kg | 88  |     |      |      | 70 (57) | 130 (101) |     |
|               | Isophorone                  | 1700  | 1600   | ug/Kg | 94  |     |      |      | 70 (59) | 130 (99)  |     |
|               | 2-Nitrophenol               | 1700  | 1500   | ug/Kg | 88  |     |      |      | 70 (61) | 130 (111) |     |
|               | 2,4-Dimethylphenol          | 1700  | 2000   | ug/Kg | 118 |     |      |      | 70 (46) | 130 (141) |     |
|               | bis(2-Chloroethoxy)methane  | 1700  | 1500   | ug/Kg | 88  |     |      |      | 70 (66) | 130 (97)  |     |
|               | 2,4-Dichlorophenol          | 1700  | 1600   | ug/Kg | 94  |     |      |      | 70 (62) | 130 (107) |     |
|               | Naphthalene                 | 1700  | 1500   | ug/Kg | 88  |     |      |      | 70 (62) | 130 (100) |     |
|               | 4-Chloroaniline             | 1700  | 830    | ug/Kg | 49  |     | *    |      | 70 (16) | 130 (100) |     |
|               | Hexachlorobutadiene         | 1700  | 1500   | ug/Kg | 88  |     |      |      | 70 (53) | 130 (98)  |     |
|               | Caprolactam                 | 1700  | 1800   | ug/Kg | 106 |     |      |      | 20 (67) | 160 (110) |     |
|               | 4-Chloro-3-methylphenol     | 1700  | 1600   | ug/Kg | 94  |     |      |      | 70 (58) | 130 (112) |     |
|               | 2-Methylnaphthalene         | 1700  | 1400   | ug/Kg | 82  |     |      |      | 70 (60) | 130 (104) |     |
|               | Hexachlorocyclopentadiene   | 3300  | 5400   | ug/Kg | 164 |     | *    |      | 20 (45) | 160 (165) |     |
|               | 2,4,6-Trichlorophenol       | 1700  | 1600   | ug/Kg | 94  |     |      |      | 70 (59) | 130 (102) |     |
|               | 2,4,5-Trichlorophenol       | 1700  | 1600   | ug/Kg | 94  |     |      |      | 70 (61) | 130 (98)  |     |
|               | 1,1-Biphenyl                | 1700  | 1600   | ug/Kg | 94  |     |      |      | 70 (57) | 130 (103) |     |
|               | 2-Chloronaphthalene         | 1700  | 1500   | ug/Kg | 88  |     |      |      | 70 (58) | 130 (99)  |     |
|               | 2-Nitroaniline              | 1700  | 1600   | ug/Kg | 94  |     |      |      | 70 (66) | 130 (101) |     |
|               | Dimethylphthalate           | 1700  | 1500   | ug/Kg | 88  |     |      |      | 70 (61) | 130 (99)  |     |
|               | Acenaphthylene              | 1700  | 1600   | ug/Kg | 94  |     |      |      | 70 (63) | 130 (101) |     |
|               | 2,6-Dinitrotoluene          | 1700  | 1500   | ug/Kg | 88  |     |      |      | 70 (61) | 130 (104) |     |
|               | 3-Nitroaniline              | 1700  | 1000   | ug/Kg | 59  |     | *    |      | 70 (28) | 130 (100) |     |
|               | Acenaphthene                | 1700  | 1500   | ug/Kg | 88  |     |      |      | 70 (57) | 130 (104) |     |
|               | 2,4-Dinitrophenol           | 3300  | 3800   | ug/Kg | 115 |     |      |      | 20 (37) | 160 (128) |     |
|               | 4-Nitrophenol               | 3300  | 3600   | ug/Kg | 109 |     |      |      | 20 (48) | 160 (119) |     |
|               | Dibenzofuran                | 1700  | 1400   | ug/Kg | 82  |     |      |      | 70 (63) | 130 (99)  |     |
|               | 2,4-Dinitrotoluene          | 1700  | 1700   | ug/Kg | 100 |     |      |      | 70 (60) | 130 (106) |     |
|               | Diethylphthalate            | 1700  | 1500   | ug/Kg | 88  |     |      |      | 70 (60) | 130 (101) |     |
|               | 4-Chlorophenyl-phenylether  | 1700  | 1500   | ug/Kg | 88  |     |      |      | 70 (58) | 130 (98)  |     |
|               | Fluorene                    | 1700  | 1500   | ug/Kg | 88  |     |      |      | 70 (61) | 130 (101) |     |
|               | 4-Nitroaniline              | 1700  | 1500   | ug/Kg | 88  |     |      |      | 70 (64) | 130 (103) |     |
|               | 4,6-Dinitro-2-methylphenol  | 1700  | 1600   | ug/Kg | 94  |     |      |      | 70 (76) | 130 (113) |     |
|               | N-Nitrosodiphenylamine      | 1700  | 1600   | ug/Kg | 94  |     |      |      | 70 (71) | 130 (99)  |     |
|               | 4-Bromophenyl-phenylether   | 1700  | 1500   | ug/Kg | 88  |     |      |      | 70 (66) | 130 (102) |     |

( ) = LABORATORY INHOUSE LIMIT

## Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1574

Client: G Environmental

Analytical Method: 8270E

DataFile: BP024181.D

| Lab Sample ID | Parameter                  | Spike | Result | Unit  | Rec | RPD | Qual | RPD  | Limits  |           | RPD |
|---------------|----------------------------|-------|--------|-------|-----|-----|------|------|---------|-----------|-----|
|               |                            |       |        |       |     |     |      | Qual | Low     | High      |     |
| PB167157BS    | Hexachlorobenzene          | 1700  | 1500   | ug/Kg | 88  |     |      |      | 70 (64) | 130 (98)  |     |
|               | Atrazine                   | 1700  | 2500   | ug/Kg | 147 |     | *    |      | 70 (47) | 130 (152) |     |
|               | Pentachlorophenol          | 3300  | 3400   | ug/Kg | 103 |     |      |      | 20 (67) | 160 (105) |     |
|               | Phenanthrene               | 1700  | 1600   | ug/Kg | 94  |     |      |      | 70 (59) | 130 (103) |     |
|               | Anthracene                 | 1700  | 1600   | ug/Kg | 94  |     |      |      | 70 (61) | 130 (105) |     |
|               | Carbazole                  | 1700  | 1600   | ug/Kg | 94  |     |      |      | 70 (61) | 130 (99)  |     |
|               | Di-n-butylphthalate        | 1700  | 1600   | ug/Kg | 94  |     |      |      | 70 (58) | 130 (104) |     |
|               | Fluoranthene               | 1700  | 1500   | ug/Kg | 88  |     |      |      | 70 (57) | 130 (107) |     |
|               | Pyrene                     | 1700  | 1500   | ug/Kg | 88  |     |      |      | 70 (59) | 130 (103) |     |
|               | Butylbenzylphthalate       | 1700  | 1600   | ug/Kg | 94  |     |      |      | 70 (55) | 130 (103) |     |
|               | 3,3-Dichlorobenzidine      | 1700  | 1200   | ug/Kg | 71  |     |      |      | 70 (42) | 130 (91)  |     |
|               | Benzo(a)anthracene         | 1700  | 1600   | ug/Kg | 94  |     |      |      | 70 (60) | 130 (102) |     |
|               | Chrysene                   | 1700  | 1500   | ug/Kg | 88  |     |      |      | 70 (59) | 130 (101) |     |
|               | bis(2-Ethylhexyl)phthalate | 1700  | 1600   | ug/Kg | 94  |     |      |      | 70 (54) | 130 (135) |     |
|               | Di-n-octyl phthalate       | 1700  | 1500   | ug/Kg | 88  |     |      |      | 70 (52) | 130 (137) |     |
|               | Benzo(b)fluoranthene       | 1700  | 1600   | ug/Kg | 94  |     |      |      | 70 (62) | 130 (109) |     |
|               | Benzo(k)fluoranthene       | 1700  | 1700   | ug/Kg | 100 |     |      |      | 70 (62) | 130 (109) |     |
|               | Benzo(a)pyrene             | 1700  | 1700   | ug/Kg | 100 |     |      |      | 70 (63) | 130 (103) |     |
|               | Indeno(1,2,3-cd)pyrene     | 1700  | 1600   | ug/Kg | 94  |     |      |      | 70 (63) | 130 (101) |     |
|               | Dibenz(a,h)anthracene      | 1700  | 1600   | ug/Kg | 94  |     |      |      | 70 (61) | 130 (112) |     |
|               | Benzo(g,h,i)perylene       | 1700  | 1500   | ug/Kg | 88  |     |      |      | 70 (70) | 130 (108) |     |
|               | 1,2,4,5-Tetrachlorobenzene | 1700  | 1600   | ug/Kg | 94  |     |      |      | 70 (53) | 130 (101) |     |
|               | 1,4-Dioxane                | 1700  | 1400   | ug/Kg | 82  |     |      |      | 20 (50) | 160 (96)  |     |
|               | 2,3,4,6-Tetrachlorophenol  | 1700  | 1500   | ug/Kg | 88  |     |      |      | 70 (59) | 130 (108) |     |

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB167157BL

Lab Name: CHEMTECH

Contract: GENV01

Lab Code: CHEM Case No.: Q1574

SAS No.: Q1574 SDG NO.: Q1574

Lab File ID: BP024180.D

Lab Sample ID: PB167157BL

Instrument ID: BNA\_P

Date Extracted: 03/17/2025

Matrix: (soil/water) SOIL

Date Analyzed: 03/18/2025

Level: (low/med) LOW

Time Analyzed: 10:26

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 |
|-------------------|------------------|----------------|------------------|
| PB167157BS        | PB167157BS       | BP024181.D     | 03/18/2025       |
| WC1               | Q1574-01         | BF141982.D     | 03/17/2025       |
| OK-02-03142025MS  | Q1585-01MS       | BF141980.D     | 03/17/2025       |
| OK-02-03142025MSD | Q1585-01MSD      | BF141981.D     | 03/17/2025       |

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



5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK  
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: GENV01

Lab Code: CHEM

SAS No.: Q1574

SDG NO.: Q1574

Lab File ID: BF141896.D

DFTPP Injection Date: 03/10/2025

Instrument ID: BNA\_F

DFTPP Injection Time: 10:31

| m/e | ION ABUNDANCE CRITERIA             | % RELATIVE ABUNDANCE |
|-----|------------------------------------|----------------------|
| 51  | 10.0 - 80.0% of mass 198           | 29.1                 |
| 68  | Less than 2.0% of mass 69          | 0.5 ( 1.9 ) 1        |
| 69  | Mass 69 relative abundance         | 32.0                 |
| 70  | Less than 2.0% of mass 69          | 0.2 ( 0.7 ) 1        |
| 127 | 10.0 - 80.0% of mass 198           | 44.8                 |
| 197 | Less than 2.0% of mass 198         | 0.0                  |
| 198 | Base Peak, 100% relative abundance | 100                  |
| 199 | 5.0 to 9.0% of mass 198            | 6.7                  |
| 275 | 10.0 - 60.0% of mass 198           | 31.2                 |
| 365 | Greater than 1% of mass 198        | 4.2                  |
| 441 | Present, but less than mass 443    | 19.9                 |
| 442 | Greater than 50% of mass 198       | 100                  |
| 443 | 15.0 - 24.0% of mass 442           | 19.2 ( 19.2 ) 2      |

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

| EPA<br>SAMPLE NO. | LAB<br>SAMPLE ID | LAB<br>FILE ID | DATE<br>ANALYZED | TIME<br>ANALYZED |
|-------------------|------------------|----------------|------------------|------------------|
| SSTDICC2.5        | SSTDICC2.5       | BF141897.D     | 03/10/2025       | 11:01            |
| SSTDICC005        | SSTDICC005       | BF141898.D     | 03/10/2025       | 11:30            |
| SSTDICC010        | SSTDICC010       | BF141899.D     | 03/10/2025       | 12:00            |
| SSTDICC020        | SSTDICC020       | BF141900.D     | 03/10/2025       | 12:29            |
| SSTDICCC040       | SSTDICCC040      | BF141901.D     | 03/10/2025       | 12:58            |
| SSTDICC060        | SSTDICC060       | BF141903.D     | 03/10/2025       | 13:57            |
| SSTDICC080        | SSTDICC080       | BF141904.D     | 03/10/2025       | 14:27            |
| SSTDICC050        | SSTDICC050       | BF141905.D     | 03/10/2025       | 15:20            |

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK  
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: GENV01

Lab Code: CHEM

SAS No.: Q1574 SDG NO.: Q1574

Lab File ID: BF141972.D

DFTPP Injection Date: 03/17/2025

Instrument ID: BNA\_F

DFTPP Injection Time: 09:10

| m/e | ION ABUNDANCE CRITERIA             | % RELATIVE ABUNDANCE |
|-----|------------------------------------|----------------------|
| 51  | 10.0 - 80.0% of mass 198           | 30.0                 |
| 68  | Less than 2.0% of mass 69          | 0.5 ( 1.9 ) 1        |
| 69  | Mass 69 relative abundance         | 32.6                 |
| 70  | Less than 2.0% of mass 69          | 0.2 ( 0.6 ) 1        |
| 127 | 10.0 - 80.0% of mass 198           | 46.3                 |
| 197 | Less than 2.0% of mass 198         | 0.0                  |
| 198 | Base Peak, 100% relative abundance | 100                  |
| 199 | 5.0 to 9.0% of mass 198            | 6.7                  |
| 275 | 10.0 - 60.0% of mass 198           | 30.0                 |
| 365 | Greater than 1% of mass 198        | 4.2                  |
| 441 | Present, but less than mass 443    | 17.9                 |
| 442 | Greater than 50% of mass 198       | 100                  |
| 443 | 15.0 - 24.0% of mass 442           | 19.3 ( 19.3 ) 2      |

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

| EPA<br>SAMPLE NO. | LAB<br>SAMPLE ID | LAB<br>FILE ID | DATE<br>ANALYZED | TIME<br>ANALYZED |
|-------------------|------------------|----------------|------------------|------------------|
| SSTDCCC040        | SSTDCCC040       | BF141973.D     | 03/17/2025       | 09:39            |
| OK-02-03142025MS  | Q1585-01MS       | BF141980.D     | 03/17/2025       | 14:30            |
| OK-02-03142025MSD | Q1585-01MSD      | BF141981.D     | 03/17/2025       | 15:00            |
| WC1               | Q1574-01         | BF141982.D     | 03/17/2025       | 15:29            |
| WC1DL             | Q1574-01DL       | BF141984.D     | 03/17/2025       | 17:00            |

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK  
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: GENV01

Lab Code: CHEM

SAS No.: Q1574

SDG NO.: Q1574

Lab File ID: BP024159.D

DFTPP Injection Date: 03/12/2025

Instrument ID: BNA\_P

DFTPP Injection Time: 15:36

| m/e | ION ABUNDANCE CRITERIA             | % RELATIVE ABUNDANCE |
|-----|------------------------------------|----------------------|
| 51  | 10.0 - 80.0% of mass 198           | 28.5                 |
| 68  | Less than 2.0% of mass 69          | 0.6 ( 1.6 ) 1        |
| 69  | Mass 69 relative abundance         | 33.9                 |
| 70  | Less than 2.0% of mass 69          | 0.2 ( 0.6 ) 1        |
| 127 | 10.0 - 80.0% of mass 198           | 46.1                 |
| 197 | Less than 2.0% of mass 198         | 0.4                  |
| 198 | Base Peak, 100% relative abundance | 100                  |
| 199 | 5.0 to 9.0% of mass 198            | 6.8                  |
| 275 | 10.0 - 60.0% of mass 198           | 27.5                 |
| 365 | Greater than 1% of mass 198        | 3.8                  |
| 441 | Present, but less than mass 443    | 14.7                 |
| 442 | Greater than 50% of mass 198       | 100.0                |
| 443 | 15.0 - 24.0% of mass 442           | 18.4 (19.5) 2        |

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

| EPA<br>SAMPLE NO. | LAB<br>SAMPLE ID | LAB<br>FILE ID | DATE<br>ANALYZED | TIME<br>ANALYZED |
|-------------------|------------------|----------------|------------------|------------------|
| SSTDICC2.5        | SSTDICC2.5       | BP024160.D     | 03/12/2025       | 16:17            |
| SSTDICC005        | SSTDICC005       | BP024161.D     | 03/12/2025       | 16:57            |
| SSTDICC010        | SSTDICC010       | BP024162.D     | 03/12/2025       | 17:38            |
| SSTDICC020        | SSTDICC020       | BP024163.D     | 03/12/2025       | 18:19            |
| SSTDICCC040       | SSTDICCC040      | BP024164.D     | 03/12/2025       | 19:00            |
| SSTDICC050        | SSTDICC050       | BP024165.D     | 03/12/2025       | 19:41            |
| SSTDICC060        | SSTDICC060       | BP024166.D     | 03/12/2025       | 20:21            |
| SSTDICC080        | SSTDICC080       | BP024167.D     | 03/12/2025       | 21:02            |

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK  
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: GENV01

Lab Code: CHEM

SAS No.: Q1574 SDG NO.: Q1574

Lab File ID: BP024178.D

DFTPP Injection Date: 03/18/2025

Instrument ID: BNA\_P

DFTPP Injection Time: 09:05

| m/e | ION ABUNDANCE CRITERIA             | % RELATIVE ABUNDANCE |
|-----|------------------------------------|----------------------|
| 51  | 10.0 - 80.0% of mass 198           | 31.0                 |
| 68  | Less than 2.0% of mass 69          | 0.5 ( 1.3 ) 1        |
| 69  | Mass 69 relative abundance         | 100.0                |
| 70  | Less than 2.0% of mass 69          | 0.2 ( 0.4 ) 1        |
| 127 | 10.0 - 80.0% of mass 198           | 48.4                 |
| 197 | Less than 2.0% of mass 198         | 0.2                  |
| 198 | Base Peak, 100% relative abundance | 100.0                |
| 199 | 5.0 to 9.0% of mass 198            | 6.9                  |
| 275 | 10.0 - 60.0% of mass 198           | 14.9                 |
| 365 | Greater than 1% of mass 198        | 3.7                  |
| 441 | Present, but less than mass 443    | 78.8                 |
| 442 | Greater than 50% of mass 198       | 94.8                 |
| 443 | 15.0 - 24.0% of mass 442           | 18.8 (19.1 ) 2       |

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

| EPA<br>SAMPLE NO. | LAB<br>SAMPLE ID | LAB<br>FILE ID | DATE<br>ANALYZED | TIME<br>ANALYZED |
|-------------------|------------------|----------------|------------------|------------------|
| SSTDCCC040        | SSTDCCC040       | BP024179.D     | 03/18/2025       | 09:46            |
| PB167157BL        | PB167157BL       | BP024180.D     | 03/18/2025       | 10:26            |
| PB167157BS        | PB167157BS       | BP024181.D     | 03/18/2025       | 11:07            |

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1574 SAS No.: Q1574 SDG NO.: Q1574

EPA Sample No.: SSTDCCC040 Date Analyzed: 03/17/2025

Lab File ID: BF141973.D Time Analyzed: 09:39

Instrument ID: BNA\_F GC Column: DB-UI ID: 0.18 (mm)

|                      | IS1 (DCB)<br>AREA # | RT #  | IS2 (NPT)<br>AREA # | RT #  | IS3 (ANT)<br>AREA # | RT #   |
|----------------------|---------------------|-------|---------------------|-------|---------------------|--------|
| 12 HOUR STD          | 158789              | 6.881 | 576888              | 8.16  | 299010              | 9.92   |
| UPPER LIMIT          | 317578              | 7.381 | 1153780             | 8.663 | 598020              | 10.416 |
| LOWER LIMIT          | 79394.5             | 6.381 | 288444              | 7.663 | 149505              | 9.416  |
| EPA SAMPLE NO.       |                     |       |                     |       |                     |        |
| 01 OK-02-03142025MS  | 138986              | 6.88  | 493410              | 8.16  | 238972              | 9.92   |
| 02 WC1               | 134820              | 6.88  | 482604              | 8.16  | 242342              | 9.92   |
| 03 WC1DL             | 122353              | 6.88  | 436760              | 8.16  | 216464              | 9.92   |
| 04 OK-02-03142025MSD | 122962              | 6.88  | 428074              | 8.16  | 210222              | 9.92   |

IS1 (DCB) = 1,4-Dichlorobenzene-d4

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

# Column used to flag values outside QC limits with an asterisk.

\* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1574 SAS No.: Q1574 SDG NO.: Q1574

EPA Sample No.: SSTDCCC040 Date Analyzed: 03/17/2025

Lab File ID: BF141973.D Time Analyzed: 09:39

Instrument ID: BNA\_F GC Column: DB-UI ID: 0.18 (mm)

|                      | IS4 (PHN)<br>AREA # | RT #   | IS5 (CRY)<br>AREA # | RT #   | IS6 (PRY)<br>AREA # | RT #   |
|----------------------|---------------------|--------|---------------------|--------|---------------------|--------|
| 12 HOUR STD          | 485045              | 11.398 | 344713              | 14.039 | 406777              | 15.515 |
| UPPER LIMIT          | 970090              | 11.898 | 689426              | 14.539 | 813554              | 16.015 |
| LOWER LIMIT          | 242523              | 10.898 | 172357              | 13.539 | 203389              | 15.015 |
| EPA SAMPLE NO.       |                     |        |                     |        |                     |        |
| 01 OK-02-03142025MS  | 402192              | 11.40  | 316750              | 14.05  | 247894              | 15.52  |
| 02 WC1               | 413517              | 11.40  | 298547              | 14.05  | 246126              | 15.57  |
| 03 WC1DL             | 380298              | 11.40  | 298468              | 14.04  | 224847              | 15.53  |
| 04 OK-02-03142025MSD | 360568              | 11.40  | 282638              | 14.05  | 213270              | 15.52  |

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

# Column used to flag values outside QC limits with an asterisk.

\* Values outside of QC limits.

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1574 SAS No.: Q1574 SDG NO.: Q1574

EPA Sample No.: SSTDCCC040 Date Analyzed: 03/18/2025

Lab File ID: BP024179.D Time Analyzed: 09:46

Instrument ID: BNA\_P GC Column: ZB-GR ID: 0.25 (mm)

|                | IS1 (DCB)<br>AREA # | RT #  | IS2 (NPT)<br>AREA # | RT #   | IS3 (ANT)<br>AREA # | RT #   |
|----------------|---------------------|-------|---------------------|--------|---------------------|--------|
| 12 HOUR STD    | 345886              | 7.769 | 1431680             | 10.55  | 884889              | 14.40  |
| UPPER LIMIT    | 691772              | 8.269 | 2863360             | 11.046 | 1769780             | 14.898 |
| LOWER LIMIT    | 172943              | 7.269 | 715840              | 10.046 | 442445              | 13.898 |
| EPA SAMPLE NO. |                     |       |                     |        |                     |        |
| 01 PB167157BL  | 334055              | 7.77  | 1336340             | 10.55  | 814855              | 14.40  |
| 02 PB167157BS  | 330651              | 7.77  | 1324490             | 10.55  | 810278              | 14.40  |

IS1 (DCB) = 1,4-Dichlorobenzene-d4

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

# Column used to flag values outside QC limits with an asterisk.

\* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1574 SAS No.: Q1574 SDG NO.: Q1574

EPA Sample No.: SSTDCCC040 Date Analyzed: 03/18/2025

Lab File ID: BP024179.D Time Analyzed: 09:46

Instrument ID: BNA\_P GC Column: ZB-GR ID: 0.25 (mm)

|                | IS4 (PHN)<br>AREA # | RT #  | IS5 (CRY)<br>AREA # | RT #   | IS6 (PRY)<br>AREA # | RT #   |
|----------------|---------------------|-------|---------------------|--------|---------------------|--------|
| 12 HOUR STD    | 1703420             | 17.21 | 1890510             | 21.663 | 2037050             | 25.068 |
| UPPER LIMIT    | 3406840             | 17.71 | 3781020             | 22.163 | 4074100             | 25.568 |
| LOWER LIMIT    | 851710              | 16.71 | 945255              | 21.163 | 1018530             | 24.568 |
| EPA SAMPLE NO. |                     |       |                     |        |                     |        |
| 01 PB167157BL  | 1550470             | 17.20 | 1479760             | 21.66  | 1571340             | 25.05  |
| 02 PB167157BS  | 1519990             | 17.21 | 1650500             | 21.67  | 1679150             | 25.06  |

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

# Column used to flag values outside QC limits with an asterisk.

\* Values outside of QC limits.





# QC SAMPLE DATA

## Report of Analysis

|                    |                     |                 |                  |
|--------------------|---------------------|-----------------|------------------|
| Client:            | G Environmental     | Date Collected: |                  |
| Project:           | Ave L               | Date Received:  |                  |
| Client Sample ID:  | PB167157BL          | SDG No.:        | Q1574            |
| Lab Sample ID:     | PB167157BL          | Matrix:         | SOIL             |
| Analytical Method: | SW8270              | % Solid:        | 100              |
| Sample Wt/Vol:     | 30.01      Units: g | Final Vol:      | 1000      uL     |
| Soil Aliquot Vol:  | uL                  | Test:           | SVOC-TCL BNA -20 |
| Extraction Type :  | Decanted : N        | Level :         | LOW              |
| Injection Volume : | GPC Factor : 1.0    | GPC Cleanup :   | N      PH :      |
| Prep Method :      | SW3541              |                 |                  |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BP024180.D        | 1         | 03/17/25 09:15 | 03/18/25 10:26 | PB167157      |

| CAS Number     | Parameter                   | Conc. | Qualifier | MDL  | LOQ / CRQL | Units(Dry Weight) |
|----------------|-----------------------------|-------|-----------|------|------------|-------------------|
| <b>TARGETS</b> |                             |       |           |      |            |                   |
| 100-52-7       | Benzaldehyde                | 160   | U         | 160  | 330        | ug/Kg             |
| 108-95-2       | Phenol                      | 22.1  | U         | 22.1 | 170        | ug/Kg             |
| 111-44-4       | bis(2-Chloroethyl)ether     | 24.3  | U         | 24.3 | 170        | ug/Kg             |
| 95-57-8        | 2-Chlorophenol              | 24.4  | U         | 24.4 | 170        | ug/Kg             |
| 95-48-7        | 2-Methylphenol              | 29.9  | U         | 29.9 | 170        | ug/Kg             |
| 108-60-1       | 2,2-oxybis(1-Chloropropane) | 37.5  | U         | 37.5 | 170        | ug/Kg             |
| 98-86-2        | Acetophenone                | 29.5  | U         | 29.5 | 170        | ug/Kg             |
| 65794-96-9     | 3+4-Methylphenols           | 41.1  | U         | 41.1 | 330        | ug/Kg             |
| 621-64-7       | n-Nitroso-di-n-propylamine  | 47.4  | U         | 47.4 | 80.0       | ug/Kg             |
| 67-72-1        | Hexachloroethane            | 17.6  | U         | 17.6 | 170        | ug/Kg             |
| 98-95-3        | Nitrobenzene                | 18.3  | U         | 18.3 | 170        | ug/Kg             |
| 78-59-1        | Isophorone                  | 32.8  | U         | 32.8 | 170        | ug/Kg             |
| 88-75-5        | 2-Nitrophenol               | 58.2  | U         | 58.2 | 170        | ug/Kg             |
| 105-67-9       | 2,4-Dimethylphenol          | 64.8  | U         | 64.8 | 170        | ug/Kg             |
| 111-91-1       | bis(2-Chloroethoxy)methane  | 30.8  | U         | 30.8 | 170        | ug/Kg             |
| 120-83-2       | 2,4-Dichlorophenol          | 28.3  | U         | 28.3 | 170        | ug/Kg             |
| 91-20-3        | Naphthalene                 | 22.7  | U         | 22.7 | 170        | ug/Kg             |
| 106-47-8       | 4-Chloroaniline             | 35.4  | U         | 35.4 | 170        | ug/Kg             |
| 87-68-3        | Hexachlorobutadiene         | 25.3  | U         | 25.3 | 170        | ug/Kg             |
| 105-60-2       | Caprolactam                 | 52.1  | U         | 52.1 | 330        | ug/Kg             |
| 59-50-7        | 4-Chloro-3-methylphenol     | 28.7  | U         | 28.7 | 170        | ug/Kg             |
| 91-57-6        | 2-Methylnaphthalene         | 25.6  | U         | 25.6 | 170        | ug/Kg             |
| 77-47-4        | Hexachlorocyclopentadiene   | 120   | U         | 120  | 330        | ug/Kg             |
| 88-06-2        | 2,4,6-Trichlorophenol       | 19.8  | U         | 19.8 | 170        | ug/Kg             |
| 95-95-4        | 2,4,5-Trichlorophenol       | 29.1  | U         | 29.1 | 170        | ug/Kg             |
| 92-52-4        | 1,1-Biphenyl                | 21.8  | U         | 21.8 | 170        | ug/Kg             |
| 91-58-7        | 2-Chloronaphthalene         | 22.5  | U         | 22.5 | 170        | ug/Kg             |
| 88-74-4        | 2-Nitroaniline              | 48.1  | U         | 48.1 | 170        | ug/Kg             |
| 131-11-3       | Dimethylphthalate           | 27.1  | U         | 27.1 | 170        | ug/Kg             |

## Report of Analysis

|                    |                 |                  |                 |                  |
|--------------------|-----------------|------------------|-----------------|------------------|
| Client:            | G Environmental |                  | Date Collected: |                  |
| Project:           | Ave L           |                  | Date Received:  |                  |
| Client Sample ID:  | PB167157BL      |                  | SDG No.:        | Q1574            |
| Lab Sample ID:     | PB167157BL      |                  | Matrix:         | SOIL             |
| Analytical Method: | SW8270          |                  | % Solid:        | 100              |
| Sample Wt/Vol:     | 30.01           | Units: g         | Final Vol:      | 1000 uL          |
| Soil Aliquot Vol:  |                 | uL               | Test:           | SVOC-TCL BNA -20 |
| Extraction Type :  |                 | Decanted : N     | Level :         | LOW              |
| Injection Volume : |                 | GPC Factor : 1.0 | GPC Cleanup :   | N PH :           |
| Prep Method :      | SW3541          |                  |                 |                  |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BP024180.D        | 1         | 03/17/25 09:15 | 03/18/25 10:26 | PB167157      |

| CAS Number | Parameter                  | Conc. | Qualifier | MDL  | LOQ / CRQL | Units(Dry Weight) |
|------------|----------------------------|-------|-----------|------|------------|-------------------|
| 208-96-8   | Acenaphthylene             | 28.9  | U         | 28.9 | 170        | ug/Kg             |
| 606-20-2   | 2,6-Dinitrotoluene         | 33.6  | U         | 33.6 | 170        | ug/Kg             |
| 99-09-2    | 3-Nitroaniline             | 46.0  | U         | 46.0 | 170        | ug/Kg             |
| 83-32-9    | Acenaphthene               | 21.3  | U         | 21.3 | 170        | ug/Kg             |
| 51-28-5    | 2,4-Dinitrophenol          | 230   | U         | 230  | 330        | ug/Kg             |
| 100-02-7   | 4-Nitrophenol              | 110   | U         | 110  | 330        | ug/Kg             |
| 132-64-9   | Dibenzofuran               | 22.7  | U         | 22.7 | 170        | ug/Kg             |
| 121-14-2   | 2,4-Dinitrotoluene         | 50.1  | U         | 50.1 | 170        | ug/Kg             |
| 84-66-2    | Diethylphthalate           | 28.3  | U         | 28.3 | 170        | ug/Kg             |
| 7005-72-3  | 4-Chlorophenyl-phenylether | 26.7  | U         | 26.7 | 170        | ug/Kg             |
| 86-73-7    | Fluorene                   | 25.3  | U         | 25.3 | 170        | ug/Kg             |
| 100-01-6   | 4-Nitroaniline             | 64.2  | U         | 64.2 | 170        | ug/Kg             |
| 534-52-1   | 4,6-Dinitro-2-methylphenol | 100   | U         | 100  | 330        | ug/Kg             |
| 86-30-6    | n-Nitrosodiphenylamine     | 32.9  | U         | 32.9 | 170        | ug/Kg             |
| 101-55-3   | 4-Bromophenyl-phenylether  | 27.8  | U         | 27.8 | 170        | ug/Kg             |
| 118-74-1   | Hexachlorobenzene          | 25.3  | U         | 25.3 | 170        | ug/Kg             |
| 1912-24-9  | Atrazine                   | 34.0  | U         | 34.0 | 170        | ug/Kg             |
| 87-86-5    | Pentachlorophenol          | 51.3  | U         | 51.3 | 330        | ug/Kg             |
| 85-01-8    | Phenanthrene               | 20.9  | U         | 20.9 | 170        | ug/Kg             |
| 120-12-7   | Anthracene                 | 33.3  | U         | 33.3 | 170        | ug/Kg             |
| 86-74-8    | Carbazole                  | 31.2  | U         | 31.2 | 170        | ug/Kg             |
| 84-74-2    | Di-n-butylphthalate        | 47.9  | U         | 47.9 | 170        | ug/Kg             |
| 206-44-0   | Fluoranthene               | 30.0  | U         | 30.0 | 170        | ug/Kg             |
| 129-00-0   | Pyrene                     | 36.0  | U         | 36.0 | 170        | ug/Kg             |
| 85-68-7    | Butylbenzylphthalate       | 71.4  | U         | 71.4 | 170        | ug/Kg             |
| 91-94-1    | 3,3-Dichlorobenzidine      | 36.7  | U         | 36.7 | 330        | ug/Kg             |
| 56-55-3    | Benzo(a)anthracene         | 23.0  | U         | 23.0 | 170        | ug/Kg             |
| 218-01-9   | Chrysene                   | 19.9  | U         | 19.9 | 170        | ug/Kg             |
| 117-81-7   | Bis(2-ethylhexyl)phthalate | 59.2  | U         | 59.2 | 170        | ug/Kg             |
| 117-84-0   | Di-n-octyl phthalate       | 86.8  | U         | 86.8 | 330        | ug/Kg             |
| 205-99-2   | Benzo(b)fluoranthene       | 19.0  | U         | 19.0 | 170        | ug/Kg             |

## Report of Analysis

|                    |                     |                 |                  |
|--------------------|---------------------|-----------------|------------------|
| Client:            | G Environmental     | Date Collected: |                  |
| Project:           | Ave L               | Date Received:  |                  |
| Client Sample ID:  | PB167157BL          | SDG No.:        | Q1574            |
| Lab Sample ID:     | PB167157BL          | Matrix:         | SOIL             |
| Analytical Method: | SW8270              | % Solid:        | 100              |
| Sample Wt/Vol:     | 30.01      Units: g | Final Vol:      | 1000      uL     |
| Soil Aliquot Vol:  | uL                  | Test:           | SVOC-TCL BNA -20 |
| Extraction Type :  | Decanted : N        | Level :         | LOW              |
| Injection Volume : | GPC Factor : 1.0    | GPC Cleanup :   | N      PH :      |
| Prep Method :      | SW3541              |                 |                  |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BP024180.D        | 1         | 03/17/25 09:15 | 03/18/25 10:26 | PB167157      |

| CAS Number                | Parameter                  | Conc.   | Qualifier | MDL                 | LOQ / CRQL | Units(Dry Weight) |
|---------------------------|----------------------------|---------|-----------|---------------------|------------|-------------------|
| 207-08-9                  | Benzo(k)fluoranthene       | 22.4    | U         | 22.4                | 170        | ug/Kg             |
| 50-32-8                   | Benzo(a)pyrene             | 29.5    | U         | 29.5                | 170        | ug/Kg             |
| 193-39-5                  | Indeno(1,2,3-cd)pyrene     | 29.1    | U         | 29.1                | 170        | ug/Kg             |
| 53-70-3                   | Dibenzo(a,h)anthracene     | 27.4    | U         | 27.4                | 170        | ug/Kg             |
| 191-24-2                  | Benzo(g,h,i)perylene       | 25.7    | U         | 25.7                | 170        | ug/Kg             |
| 95-94-3                   | 1,2,4,5-Tetrachlorobenzene | 25.6    | U         | 25.6                | 170        | ug/Kg             |
| 123-91-1                  | 1,4-Dioxane                | 45.2    | U         | 45.2                | 170        | ug/Kg             |
| 58-90-2                   | 2,3,4,6-Tetrachlorophenol  | 27.4    | U         | 27.4                | 170        | ug/Kg             |
| <b>SURROGATES</b>         |                            |         |           |                     |            |                   |
| 367-12-4                  | 2-Fluorophenol             | 151     |           | 30 (18) - 130 (112) | 101%       | SPK: 150          |
| 13127-88-3                | Phenol-d6                  | 144     |           | 30 (15) - 130 (107) | 96%        | SPK: 150          |
| 4165-60-0                 | Nitrobenzene-d5            | 96.9    |           | 30 (18) - 130 (107) | 97%        | SPK: 100          |
| 321-60-8                  | 2-Fluorobiphenyl           | 97.8    |           | 30 (20) - 130 (109) | 98%        | SPK: 100          |
| 118-79-6                  | 2,4,6-Tribromophenol       | 146     |           | 30 (10) - 130 (116) | 97%        | SPK: 150          |
| 1718-51-0                 | Terphenyl-d14              | 110     |           | 30 (10) - 130 (105) | 110%       | SPK: 100          |
| <b>INTERNAL STANDARDS</b> |                            |         |           |                     |            |                   |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4     | 334000  | 7.769     |                     |            |                   |
| 1146-65-2                 | Naphthalene-d8             | 1340000 | 10.545    |                     |            |                   |
| 15067-26-2                | Acenaphthene-d10           | 815000  | 14.404    |                     |            |                   |
| 1517-22-2                 | Phenanthrene-d10           | 1550000 | 17.204    |                     |            |                   |
| 1719-03-5                 | Chrysene-d12               | 1480000 | 21.663    |                     |            |                   |
| 1520-96-3                 | Perylene-d12               | 1570000 | 25.051    |                     |            |                   |

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

## Report of Analysis

|                    |                        |                 |                              |
|--------------------|------------------------|-----------------|------------------------------|
| Client:            | G Environmental        | Date Collected: |                              |
| Project:           | Ave L                  | Date Received:  |                              |
| Client Sample ID:  | PB167157BS             | SDG No.:        | Q1574                        |
| Lab Sample ID:     | PB167157BS             | Matrix:         | SOIL                         |
| Analytical Method: | SW8270                 | % Solid:        | 100                          |
| Sample Wt/Vol:     | 30.03      Units:    g | Final Vol:      | 1000                      uL |
| Soil Aliquot Vol:  | uL                     | Test:           | SVOC-TCL BNA -20             |
| Extraction Type :  | Decanted :      N      | Level :         | LOW                          |
| Injection Volume : | GPC Factor :    1.0    | GPC Cleanup :   | N                      PH :  |
| Prep Method :      | SW3541                 |                 |                              |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BP024181.D        | 1         | 03/17/25 09:15 | 03/18/25 11:07 | PB167157      |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|------------|-----------|-------|-----------|-----|------------|-------------------|
|------------|-----------|-------|-----------|-----|------------|-------------------|

**TARGETS**

|            |                             |      |   |      |      |       |
|------------|-----------------------------|------|---|------|------|-------|
| 100-52-7   | Benzaldehyde                | 720  |   | 160  | 330  | ug/Kg |
| 108-95-2   | Phenol                      | 1600 |   | 22.1 | 170  | ug/Kg |
| 111-44-4   | bis(2-Chloroethyl)ether     | 1500 |   | 24.3 | 170  | ug/Kg |
| 95-57-8    | 2-Chlorophenol              | 1600 |   | 24.4 | 170  | ug/Kg |
| 95-48-7    | 2-Methylphenol              | 1600 |   | 29.9 | 170  | ug/Kg |
| 108-60-1   | 2,2-oxybis(1-Chloropropane) | 1600 |   | 37.5 | 170  | ug/Kg |
| 98-86-2    | Acetophenone                | 1600 |   | 29.5 | 170  | ug/Kg |
| 65794-96-9 | 3+4-Methylphenols           | 1600 |   | 41.1 | 330  | ug/Kg |
| 621-64-7   | n-Nitroso-di-n-propylamine  | 1500 |   | 47.4 | 79.9 | ug/Kg |
| 67-72-1    | Hexachloroethane            | 1500 |   | 17.6 | 170  | ug/Kg |
| 98-95-3    | Nitrobenzene                | 1500 |   | 18.3 | 170  | ug/Kg |
| 78-59-1    | Isophorone                  | 1600 |   | 32.8 | 170  | ug/Kg |
| 88-75-5    | 2-Nitrophenol               | 1500 |   | 58.1 | 170  | ug/Kg |
| 105-67-9   | 2,4-Dimethylphenol          | 2000 |   | 64.7 | 170  | ug/Kg |
| 111-91-1   | bis(2-Chloroethoxy)methane  | 1500 |   | 30.8 | 170  | ug/Kg |
| 120-83-2   | 2,4-Dichlorophenol          | 1600 |   | 28.3 | 170  | ug/Kg |
| 91-20-3    | Naphthalene                 | 1500 |   | 22.7 | 170  | ug/Kg |
| 106-47-8   | 4-Chloroaniline             | 830  |   | 35.4 | 170  | ug/Kg |
| 87-68-3    | Hexachlorobutadiene         | 1500 |   | 25.3 | 170  | ug/Kg |
| 105-60-2   | Caprolactam                 | 1800 |   | 52.0 | 330  | ug/Kg |
| 59-50-7    | 4-Chloro-3-methylphenol     | 1600 |   | 28.7 | 170  | ug/Kg |
| 91-57-6    | 2-Methylnaphthalene         | 1400 |   | 25.6 | 170  | ug/Kg |
| 77-47-4    | Hexachlorocyclopentadiene   | 5400 | E | 120  | 330  | ug/Kg |
| 88-06-2    | 2,4,6-Trichlorophenol       | 1600 |   | 19.8 | 170  | ug/Kg |
| 95-95-4    | 2,4,5-Trichlorophenol       | 1600 |   | 29.1 | 170  | ug/Kg |
| 92-52-4    | 1,1-Biphenyl                | 1600 |   | 21.8 | 170  | ug/Kg |
| 91-58-7    | 2-Chloronaphthalene         | 1500 |   | 22.5 | 170  | ug/Kg |
| 88-74-4    | 2-Nitroaniline              | 1600 |   | 48.1 | 170  | ug/Kg |
| 131-11-3   | Dimethylphthalate           | 1500 |   | 27.1 | 170  | ug/Kg |

## Report of Analysis

|                    |                 |                  |                 |                  |
|--------------------|-----------------|------------------|-----------------|------------------|
| Client:            | G Environmental |                  | Date Collected: |                  |
| Project:           | Ave L           |                  | Date Received:  |                  |
| Client Sample ID:  | PB167157BS      |                  | SDG No.:        | Q1574            |
| Lab Sample ID:     | PB167157BS      |                  | Matrix:         | SOIL             |
| Analytical Method: | SW8270          |                  | % Solid:        | 100              |
| Sample Wt/Vol:     | 30.03           | Units: g         | Final Vol:      | 1000 uL          |
| Soil Aliquot Vol:  |                 | uL               | Test:           | SVOC-TCL BNA -20 |
| Extraction Type :  |                 | Decanted : N     | Level :         | LOW              |
| Injection Volume : |                 | GPC Factor : 1.0 | GPC Cleanup :   | N PH :           |
| Prep Method :      | SW3541          |                  |                 |                  |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BP024181.D        | 1         | 03/17/25 09:15 | 03/18/25 11:07 | PB167157      |

| CAS Number | Parameter                  | Conc. | Qualifier | MDL  | LOQ / CRQL | Units(Dry Weight) |
|------------|----------------------------|-------|-----------|------|------------|-------------------|
| 208-96-8   | Acenaphthylene             | 1600  |           | 28.9 | 170        | ug/Kg             |
| 606-20-2   | 2,6-Dinitrotoluene         | 1500  |           | 33.6 | 170        | ug/Kg             |
| 99-09-2    | 3-Nitroaniline             | 1000  |           | 46.0 | 170        | ug/Kg             |
| 83-32-9    | Acenaphthene               | 1500  |           | 21.3 | 170        | ug/Kg             |
| 51-28-5    | 2,4-Dinitrophenol          | 3800  | E         | 230  | 330        | ug/Kg             |
| 100-02-7   | 4-Nitrophenol              | 3600  | E         | 110  | 330        | ug/Kg             |
| 132-64-9   | Dibenzofuran               | 1400  |           | 22.7 | 170        | ug/Kg             |
| 121-14-2   | 2,4-Dinitrotoluene         | 1700  |           | 50.0 | 170        | ug/Kg             |
| 84-66-2    | Diethylphthalate           | 1500  |           | 28.3 | 170        | ug/Kg             |
| 7005-72-3  | 4-Chlorophenyl-phenylether | 1500  |           | 26.7 | 170        | ug/Kg             |
| 86-73-7    | Fluorene                   | 1500  |           | 25.3 | 170        | ug/Kg             |
| 100-01-6   | 4-Nitroaniline             | 1500  |           | 64.1 | 170        | ug/Kg             |
| 534-52-1   | 4,6-Dinitro-2-methylphenol | 1600  |           | 100  | 330        | ug/Kg             |
| 86-30-6    | n-Nitrosodiphenylamine     | 1600  |           | 32.9 | 170        | ug/Kg             |
| 101-55-3   | 4-Bromophenyl-phenylether  | 1500  |           | 27.8 | 170        | ug/Kg             |
| 118-74-1   | Hexachlorobenzene          | 1500  |           | 25.3 | 170        | ug/Kg             |
| 1912-24-9  | Atrazine                   | 2500  |           | 34.0 | 170        | ug/Kg             |
| 87-86-5    | Pentachlorophenol          | 3400  | E         | 51.2 | 330        | ug/Kg             |
| 85-01-8    | Phenanthrene               | 1600  |           | 20.9 | 170        | ug/Kg             |
| 120-12-7   | Anthracene                 | 1600  |           | 33.3 | 170        | ug/Kg             |
| 86-74-8    | Carbazole                  | 1600  |           | 31.2 | 170        | ug/Kg             |
| 84-74-2    | Di-n-butylphthalate        | 1600  |           | 47.9 | 170        | ug/Kg             |
| 206-44-0   | Fluoranthene               | 1500  |           | 30.0 | 170        | ug/Kg             |
| 129-00-0   | Pyrene                     | 1500  |           | 36.0 | 170        | ug/Kg             |
| 85-68-7    | Butylbenzylphthalate       | 1600  |           | 71.3 | 170        | ug/Kg             |
| 91-94-1    | 3,3-Dichlorobenzidine      | 1200  |           | 36.7 | 330        | ug/Kg             |
| 56-55-3    | Benzo(a)anthracene         | 1600  |           | 23.0 | 170        | ug/Kg             |
| 218-01-9   | Chrysene                   | 1500  |           | 19.9 | 170        | ug/Kg             |
| 117-81-7   | Bis(2-ethylhexyl)phthalate | 1600  |           | 59.1 | 170        | ug/Kg             |
| 117-84-0   | Di-n-octyl phthalate       | 1500  |           | 86.7 | 330        | ug/Kg             |
| 205-99-2   | Benzo(b)fluoranthene       | 1600  |           | 19.0 | 170        | ug/Kg             |

## Report of Analysis

|                    |                        |                 |                              |
|--------------------|------------------------|-----------------|------------------------------|
| Client:            | G Environmental        | Date Collected: |                              |
| Project:           | Ave L                  | Date Received:  |                              |
| Client Sample ID:  | PB167157BS             | SDG No.:        | Q1574                        |
| Lab Sample ID:     | PB167157BS             | Matrix:         | SOIL                         |
| Analytical Method: | SW8270                 | % Solid:        | 100                          |
| Sample Wt/Vol:     | 30.03      Units:    g | Final Vol:      | 1000                      uL |
| Soil Aliquot Vol:  | uL                     | Test:           | SVOC-TCL BNA -20             |
| Extraction Type :  | Decanted :      N      | Level :         | LOW                          |
| Injection Volume : | GPC Factor :    1.0    | GPC Cleanup :   | N                      PH :  |
| Prep Method :      | SW3541                 |                 |                              |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BP024181.D        | 1         | 03/17/25 09:15 | 03/18/25 11:07 | PB167157      |

| CAS Number                | Parameter                  | Conc.   | Qualifier | MDL                 | LOQ / CRQL | Units(Dry Weight) |
|---------------------------|----------------------------|---------|-----------|---------------------|------------|-------------------|
| 207-08-9                  | Benzo(k)fluoranthene       | 1700    |           | 22.4                | 170        | ug/Kg             |
| 50-32-8                   | Benzo(a)pyrene             | 1700    |           | 29.5                | 170        | ug/Kg             |
| 193-39-5                  | Indeno(1,2,3-cd)pyrene     | 1600    |           | 29.1                | 170        | ug/Kg             |
| 53-70-3                   | Dibenzo(a,h)anthracene     | 1600    |           | 27.4                | 170        | ug/Kg             |
| 191-24-2                  | Benzo(g,h,i)perylene       | 1500    |           | 25.7                | 170        | ug/Kg             |
| 95-94-3                   | 1,2,4,5-Tetrachlorobenzene | 1600    |           | 25.6                | 170        | ug/Kg             |
| 123-91-1                  | 1,4-Dioxane                | 1400    |           | 45.2                | 170        | ug/Kg             |
| 58-90-2                   | 2,3,4,6-Tetrachlorophenol  | 1500    |           | 27.4                | 170        | ug/Kg             |
| <b>SURROGATES</b>         |                            |         |           |                     |            |                   |
| 367-12-4                  | 2-Fluorophenol             | 156     |           | 30 (18) - 130 (112) | 104%       | SPK: 150          |
| 13127-88-3                | Phenol-d6                  | 148     |           | 30 (15) - 130 (107) | 98%        | SPK: 150          |
| 4165-60-0                 | Nitrobenzene-d5            | 99.5    |           | 30 (18) - 130 (107) | 100%       | SPK: 100          |
| 321-60-8                  | 2-Fluorobiphenyl           | 96.5    |           | 30 (20) - 130 (109) | 96%        | SPK: 100          |
| 118-79-6                  | 2,4,6-Tribromophenol       | 154     |           | 30 (10) - 130 (116) | 102%       | SPK: 150          |
| 1718-51-0                 | Terphenyl-d14              | 102     |           | 30 (10) - 130 (105) | 102%       | SPK: 100          |
| <b>INTERNAL STANDARDS</b> |                            |         |           |                     |            |                   |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4     | 331000  | 7.769     |                     |            |                   |
| 1146-65-2                 | Naphthalene-d8             | 1320000 | 10.552    |                     |            |                   |
| 15067-26-2                | Acenaphthene-d10           | 810000  | 14.404    |                     |            |                   |
| 1517-22-2                 | Phenanthrene-d10           | 1520000 | 17.21     |                     |            |                   |
| 1719-03-5                 | Chrysene-d12               | 1650000 | 21.669    |                     |            |                   |
| 1520-96-3                 | Perylene-d12               | 1680000 | 25.057    |                     |            |                   |

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

## Report of Analysis

|                    |                  |                 |                  |
|--------------------|------------------|-----------------|------------------|
| Client:            | G Environmental  | Date Collected: | 03/14/25         |
| Project:           | Ave L            | Date Received:  | 03/14/25         |
| Client Sample ID:  | OK-02-03142025MS | SDG No.:        | Q1574            |
| Lab Sample ID:     | Q1585-01MS       | Matrix:         | SOIL             |
| Analytical Method: | SW8270           | % Solid:        | 97.1             |
| Sample Wt/Vol:     | 50.06 Units: g   | Final Vol:      | 1000 uL          |
| Soil Aliquot Vol:  | uL               | Test:           | SVOC-TCL BNA -20 |
| Extraction Type :  | Decanted : N     | Level :         | LOW              |
| Injection Volume : | GPC Factor : 1.0 | GPC Cleanup :   | N PH :           |
| Prep Method :      | SW3541           |                 |                  |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BF141980.D        | 2         | 03/17/25 09:15 | 03/17/25 14:30 | PB167157      |

| CAS Number     | Parameter                   | Conc. | Qualifier | MDL  | LOQ / CRQL | Units(Dry Weight) |
|----------------|-----------------------------|-------|-----------|------|------------|-------------------|
| <b>TARGETS</b> |                             |       |           |      |            |                   |
| 100-52-7       | Benzaldehyde                | 390   | J         | 190  | 410        | ug/Kg             |
| 108-95-2       | Phenol                      | 880   |           | 27.3 | 210        | ug/Kg             |
| 111-44-4       | bis(2-Chloroethyl)ether     | 930   |           | 30.0 | 210        | ug/Kg             |
| 95-57-8        | 2-Chlorophenol              | 910   |           | 30.1 | 210        | ug/Kg             |
| 95-48-7        | 2-Methylphenol              | 870   |           | 36.9 | 210        | ug/Kg             |
| 108-60-1       | 2,2-oxybis(1-Chloropropane) | 840   |           | 46.3 | 210        | ug/Kg             |
| 98-86-2        | Acetophenone                | 1100  |           | 36.4 | 210        | ug/Kg             |
| 65794-96-9     | 3+4-Methylphenols           | 870   |           | 50.7 | 410        | ug/Kg             |
| 621-64-7       | n-Nitroso-di-n-propylamine  | 850   |           | 58.5 | 98.7       | ug/Kg             |
| 67-72-1        | Hexachloroethane            | 890   |           | 21.7 | 210        | ug/Kg             |
| 98-95-3        | Nitrobenzene                | 950   |           | 22.6 | 210        | ug/Kg             |
| 78-59-1        | Isophorone                  | 970   |           | 40.5 | 210        | ug/Kg             |
| 88-75-5        | 2-Nitrophenol               | 890   |           | 71.8 | 210        | ug/Kg             |
| 105-67-9       | 2,4-Dimethylphenol          | 1100  |           | 80.0 | 210        | ug/Kg             |
| 111-91-1       | bis(2-Chloroethoxy)methane  | 940   |           | 38.0 | 210        | ug/Kg             |
| 120-83-2       | 2,4-Dichlorophenol          | 890   |           | 34.9 | 210        | ug/Kg             |
| 91-20-3        | Naphthalene                 | 930   |           | 28.0 | 210        | ug/Kg             |
| 106-47-8       | 4-Chloroaniline             | 330   |           | 43.7 | 210        | ug/Kg             |
| 87-68-3        | Hexachlorobutadiene         | 990   |           | 31.2 | 210        | ug/Kg             |
| 105-60-2       | Caprolactam                 | 950   |           | 64.3 | 410        | ug/Kg             |
| 59-50-7        | 4-Chloro-3-methylphenol     | 810   |           | 35.4 | 210        | ug/Kg             |
| 91-57-6        | 2-Methylnaphthalene         | 860   |           | 31.6 | 210        | ug/Kg             |
| 77-47-4        | Hexachlorocyclopentadiene   | 1300  |           | 140  | 410        | ug/Kg             |
| 88-06-2        | 2,4,6-Trichlorophenol       | 960   |           | 24.4 | 210        | ug/Kg             |
| 95-95-4        | 2,4,5-Trichlorophenol       | 970   |           | 35.9 | 210        | ug/Kg             |
| 92-52-4        | 1,1-Biphenyl                | 1100  |           | 26.9 | 210        | ug/Kg             |
| 91-58-7        | 2-Chloronaphthalene         | 970   |           | 27.8 | 210        | ug/Kg             |
| 88-74-4        | 2-Nitroaniline              | 980   |           | 59.4 | 210        | ug/Kg             |
| 131-11-3       | Dimethylphthalate           | 990   |           | 33.5 | 210        | ug/Kg             |



## Report of Analysis

|                    |                        |                 |                              |
|--------------------|------------------------|-----------------|------------------------------|
| Client:            | G Environmental        | Date Collected: | 03/14/25                     |
| Project:           | Ave L                  | Date Received:  | 03/14/25                     |
| Client Sample ID:  | OK-02-03142025MS       | SDG No.:        | Q1574                        |
| Lab Sample ID:     | Q1585-01MS             | Matrix:         | SOIL                         |
| Analytical Method: | SW8270                 | % Solid:        | 97.1                         |
| Sample Wt/Vol:     | 50.06      Units:    g | Final Vol:      | 1000                      uL |
| Soil Aliquot Vol:  | uL                     | Test:           | SVOC-TCL BNA -20             |
| Extraction Type :  | Decanted :      N      | Level :         | LOW                          |
| Injection Volume : | GPC Factor :    1.0    | GPC Cleanup :   | N                      PH :  |
| Prep Method :      | SW3541                 |                 |                              |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BF141980.D        | 2         | 03/17/25 09:15 | 03/17/25 14:30 | PB167157      |

| CAS Number | Parameter                  | Conc. | Qualifier | MDL  | LOQ / CRQL | Units(Dry Weight) |
|------------|----------------------------|-------|-----------|------|------------|-------------------|
| 208-96-8   | Acenaphthylene             | 1100  |           | 35.7 | 210        | ug/Kg             |
| 606-20-2   | 2,6-Dinitrotoluene         | 920   |           | 41.5 | 210        | ug/Kg             |
| 99-09-2    | 3-Nitroaniline             | 800   |           | 56.8 | 210        | ug/Kg             |
| 83-32-9    | Acenaphthene               | 980   |           | 26.3 | 210        | ug/Kg             |
| 51-28-5    | 2,4-Dinitrophenol          | 580   |           | 280  | 410        | ug/Kg             |
| 100-02-7   | 4-Nitrophenol              | 2100  |           | 130  | 410        | ug/Kg             |
| 132-64-9   | Dibenzofuran               | 950   |           | 28.0 | 210        | ug/Kg             |
| 121-14-2   | 2,4-Dinitrotoluene         | 920   |           | 61.8 | 210        | ug/Kg             |
| 84-66-2    | Diethylphthalate           | 940   |           | 34.9 | 210        | ug/Kg             |
| 7005-72-3  | 4-Chlorophenyl-phenylether | 920   |           | 33.0 | 210        | ug/Kg             |
| 86-73-7    | Fluorene                   | 1100  |           | 31.2 | 210        | ug/Kg             |
| 100-01-6   | 4-Nitroaniline             | 850   |           | 79.2 | 210        | ug/Kg             |
| 534-52-1   | 4,6-Dinitro-2-methylphenol | 230   | J         | 130  | 410        | ug/Kg             |
| 86-30-6    | n-Nitrosodiphenylamine     | 950   |           | 40.6 | 210        | ug/Kg             |
| 101-55-3   | 4-Bromophenyl-phenylether  | 900   |           | 34.3 | 210        | ug/Kg             |
| 118-74-1   | Hexachlorobenzene          | 910   |           | 31.2 | 210        | ug/Kg             |
| 1912-24-9  | Atrazine                   | 1200  |           | 42.0 | 210        | ug/Kg             |
| 87-86-5    | Pentachlorophenol          | 1900  |           | 63.3 | 410        | ug/Kg             |
| 85-01-8    | Phenanthrene               | 1700  |           | 25.8 | 210        | ug/Kg             |
| 120-12-7   | Anthracene                 | 1100  |           | 41.1 | 210        | ug/Kg             |
| 86-74-8    | Carbazole                  | 1100  |           | 38.5 | 210        | ug/Kg             |
| 84-74-2    | Di-n-butylphthalate        | 940   |           | 59.1 | 210        | ug/Kg             |
| 206-44-0   | Fluoranthene               | 1800  |           | 37.0 | 210        | ug/Kg             |
| 129-00-0   | Pyrene                     | 1500  |           | 44.4 | 210        | ug/Kg             |
| 85-68-7    | Butylbenzylphthalate       | 910   |           | 88.1 | 210        | ug/Kg             |
| 91-94-1    | 3,3-Dichlorobenzidine      | 890   |           | 45.3 | 410        | ug/Kg             |
| 56-55-3    | Benzo(a)anthracene         | 1300  |           | 28.4 | 210        | ug/Kg             |
| 218-01-9   | Chrysene                   | 1300  |           | 24.6 | 210        | ug/Kg             |
| 117-81-7   | Bis(2-ethylhexyl)phthalate | 930   |           | 73.1 | 210        | ug/Kg             |
| 117-84-0   | Di-n-octyl phthalate       | 1000  |           | 110  | 410        | ug/Kg             |
| 205-99-2   | Benzo(b)fluoranthene       | 1400  |           | 23.5 | 210        | ug/Kg             |

## Report of Analysis

|                    |                     |                 |                  |
|--------------------|---------------------|-----------------|------------------|
| Client:            | G Environmental     | Date Collected: | 03/14/25         |
| Project:           | Ave L               | Date Received:  | 03/14/25         |
| Client Sample ID:  | OK-02-03142025MS    | SDG No.:        | Q1574            |
| Lab Sample ID:     | Q1585-01MS          | Matrix:         | SOIL             |
| Analytical Method: | SW8270              | % Solid:        | 97.1             |
| Sample Wt/Vol:     | 50.06      Units: g | Final Vol:      | 1000      uL     |
| Soil Aliquot Vol:  | uL                  | Test:           | SVOC-TCL BNA -20 |
| Extraction Type :  | Decanted : N        | Level :         | LOW              |
| Injection Volume : | GPC Factor : 1.0    | GPC Cleanup :   | N      PH :      |
| Prep Method :      | SW3541              |                 |                  |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BF141980.D        | 2         | 03/17/25 09:15 | 03/17/25 14:30 | PB167157      |

| CAS Number                | Parameter                  | Conc.  | Qualifier | MDL                 | LOQ / CRQL | Units(Dry Weight) |
|---------------------------|----------------------------|--------|-----------|---------------------|------------|-------------------|
| 207-08-9                  | Benzo(k)fluoranthene       | 990    |           | 27.6                | 210        | ug/Kg             |
| 50-32-8                   | Benzo(a)pyrene             | 1300   |           | 36.4                | 210        | ug/Kg             |
| 193-39-5                  | Indeno(1,2,3-cd)pyrene     | 1000   |           | 35.9                | 210        | ug/Kg             |
| 53-70-3                   | Dibenzo(a,h)anthracene     | 880    |           | 33.8                | 210        | ug/Kg             |
| 191-24-2                  | Benzo(g,h,i)perylene       | 1000   |           | 31.7                | 210        | ug/Kg             |
| 95-94-3                   | 1,2,4,5-Tetrachlorobenzene | 1100   |           | 31.6                | 210        | ug/Kg             |
| 123-91-1                  | 1,4-Dioxane                | 970    |           | 55.8                | 210        | ug/Kg             |
| 58-90-2                   | 2,3,4,6-Tetrachlorophenol  | 880    |           | 33.8                | 210        | ug/Kg             |
| <b>SURROGATES</b>         |                            |        |           |                     |            |                   |
| 367-12-4                  | 2-Fluorophenol             | 92.6   |           | 30 (18) - 130 (112) | 62%        | SPK: 150          |
| 13127-88-3                | Phenol-d6                  | 87.6   |           | 30 (15) - 130 (107) | 58%        | SPK: 150          |
| 4165-60-0                 | Nitrobenzene-d5            | 66.5   |           | 30 (18) - 130 (107) | 67%        | SPK: 100          |
| 321-60-8                  | 2-Fluorobiphenyl           | 73.3   |           | 30 (20) - 130 (109) | 73%        | SPK: 100          |
| 118-79-6                  | 2,4,6-Tribromophenol       | 89.9   |           | 30 (10) - 130 (116) | 60%        | SPK: 150          |
| 1718-51-0                 | Terphenyl-d14              | 62.8   |           | 30 (10) - 130 (105) | 63%        | SPK: 100          |
| <b>INTERNAL STANDARDS</b> |                            |        |           |                     |            |                   |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4     | 139000 | 6.881     |                     |            |                   |
| 1146-65-2                 | Naphthalene-d8             | 493000 | 8.163     |                     |            |                   |
| 15067-26-2                | Acenaphthene-d10           | 239000 | 9.916     |                     |            |                   |
| 1517-22-2                 | Phenanthrene-d10           | 402000 | 11.404    |                     |            |                   |
| 1719-03-5                 | Chrysene-d12               | 317000 | 14.045    |                     |            |                   |
| 1520-96-3                 | Perylene-d12               | 248000 | 15.521    |                     |            |                   |

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

## Report of Analysis

|                    |                   |                 |                  |
|--------------------|-------------------|-----------------|------------------|
| Client:            | G Environmental   | Date Collected: | 03/14/25         |
| Project:           | Ave L             | Date Received:  | 03/14/25         |
| Client Sample ID:  | OK-02-03142025MSD | SDG No.:        | Q1574            |
| Lab Sample ID:     | Q1585-01MSD       | Matrix:         | SOIL             |
| Analytical Method: | SW8270            | % Solid:        | 97.1             |
| Sample Wt/Vol:     | 50.08 Units: g    | Final Vol:      | 1000 uL          |
| Soil Aliquot Vol:  | uL                | Test:           | SVOC-TCL BNA -20 |
| Extraction Type :  | Decanted : N      | Level :         | LOW              |
| Injection Volume : | GPC Factor : 1.0  | GPC Cleanup :   | N PH :           |
| Prep Method :      | SW3541            |                 |                  |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BF141981.D        | 2         | 03/17/25 09:15 | 03/17/25 15:00 | PB167157      |

| CAS Number     | Parameter                   | Conc. | Qualifier | MDL  | LOQ / CRQL | Units(Dry Weight) |
|----------------|-----------------------------|-------|-----------|------|------------|-------------------|
| <b>TARGETS</b> |                             |       |           |      |            |                   |
| 100-52-7       | Benzaldehyde                | 400   | J         | 190  | 410        | ug/Kg             |
| 108-95-2       | Phenol                      | 930   |           | 27.3 | 210        | ug/Kg             |
| 111-44-4       | bis(2-Chloroethyl)ether     | 960   |           | 30.0 | 210        | ug/Kg             |
| 95-57-8        | 2-Chlorophenol              | 940   |           | 30.1 | 210        | ug/Kg             |
| 95-48-7        | 2-Methylphenol              | 900   |           | 36.9 | 210        | ug/Kg             |
| 108-60-1       | 2,2-oxybis(1-Chloropropane) | 870   |           | 46.3 | 210        | ug/Kg             |
| 98-86-2        | Acetophenone                | 1100  |           | 36.4 | 210        | ug/Kg             |
| 65794-96-9     | 3+4-Methylphenols           | 910   |           | 50.7 | 410        | ug/Kg             |
| 621-64-7       | n-Nitroso-di-n-propylamine  | 860   |           | 58.5 | 98.7       | ug/Kg             |
| 67-72-1        | Hexachloroethane            | 890   |           | 21.7 | 210        | ug/Kg             |
| 98-95-3        | Nitrobenzene                | 1000  |           | 22.6 | 210        | ug/Kg             |
| 78-59-1        | Isophorone                  | 1000  |           | 40.5 | 210        | ug/Kg             |
| 88-75-5        | 2-Nitrophenol               | 910   |           | 71.8 | 210        | ug/Kg             |
| 105-67-9       | 2,4-Dimethylphenol          | 1200  |           | 80.0 | 210        | ug/Kg             |
| 111-91-1       | bis(2-Chloroethoxy)methane  | 980   |           | 38.0 | 210        | ug/Kg             |
| 120-83-2       | 2,4-Dichlorophenol          | 940   |           | 34.9 | 210        | ug/Kg             |
| 91-20-3        | Naphthalene                 | 980   |           | 28.0 | 210        | ug/Kg             |
| 106-47-8       | 4-Chloroaniline             | 460   |           | 43.7 | 210        | ug/Kg             |
| 87-68-3        | Hexachlorobutadiene         | 1000  |           | 31.2 | 210        | ug/Kg             |
| 105-60-2       | Caprolactam                 | 1000  |           | 64.3 | 410        | ug/Kg             |
| 59-50-7        | 4-Chloro-3-methylphenol     | 860   |           | 35.4 | 210        | ug/Kg             |
| 91-57-6        | 2-Methylnaphthalene         | 900   |           | 31.6 | 210        | ug/Kg             |
| 77-47-4        | Hexachlorocyclopentadiene   | 900   |           | 140  | 410        | ug/Kg             |
| 88-06-2        | 2,4,6-Trichlorophenol       | 980   |           | 24.4 | 210        | ug/Kg             |
| 95-95-4        | 2,4,5-Trichlorophenol       | 990   |           | 35.9 | 210        | ug/Kg             |
| 92-52-4        | 1,1-Biphenyl                | 1200  |           | 26.9 | 210        | ug/Kg             |
| 91-58-7        | 2-Chloronaphthalene         | 1000  |           | 27.8 | 210        | ug/Kg             |
| 88-74-4        | 2-Nitroaniline              | 1000  |           | 59.3 | 210        | ug/Kg             |
| 131-11-3       | Dimethylphthalate           | 1000  |           | 33.4 | 210        | ug/Kg             |

## Report of Analysis

|                    |                        |                 |                              |
|--------------------|------------------------|-----------------|------------------------------|
| Client:            | G Environmental        | Date Collected: | 03/14/25                     |
| Project:           | Ave L                  | Date Received:  | 03/14/25                     |
| Client Sample ID:  | OK-02-03142025MSD      | SDG No.:        | Q1574                        |
| Lab Sample ID:     | Q1585-01MSD            | Matrix:         | SOIL                         |
| Analytical Method: | SW8270                 | % Solid:        | 97.1                         |
| Sample Wt/Vol:     | 50.08      Units:    g | Final Vol:      | 1000                      uL |
| Soil Aliquot Vol:  | uL                     | Test:           | SVOC-TCL BNA -20             |
| Extraction Type :  | Decanted :      N      | Level :         | LOW                          |
| Injection Volume : | GPC Factor :    1.0    | GPC Cleanup :   | N                      PH :  |
| Prep Method :      | SW3541                 |                 |                              |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BF141981.D        | 2         | 03/17/25 09:15 | 03/17/25 15:00 | PB167157      |

| CAS Number | Parameter                  | Conc. | Qualifier | MDL  | LOQ / CRQL | Units(Dry Weight) |
|------------|----------------------------|-------|-----------|------|------------|-------------------|
| 208-96-8   | Acenaphthylene             | 1100  |           | 35.7 | 210        | ug/Kg             |
| 606-20-2   | 2,6-Dinitrotoluene         | 960   |           | 41.5 | 210        | ug/Kg             |
| 99-09-2    | 3-Nitroaniline             | 880   |           | 56.8 | 210        | ug/Kg             |
| 83-32-9    | Acenaphthene               | 1000  |           | 26.3 | 210        | ug/Kg             |
| 51-28-5    | 2,4-Dinitrophenol          | 470   |           | 280  | 410        | ug/Kg             |
| 100-02-7   | 4-Nitrophenol              | 2200  |           | 130  | 410        | ug/Kg             |
| 132-64-9   | Dibenzofuran               | 990   |           | 28.0 | 210        | ug/Kg             |
| 121-14-2   | 2,4-Dinitrotoluene         | 960   |           | 61.8 | 210        | ug/Kg             |
| 84-66-2    | Diethylphthalate           | 960   |           | 34.9 | 210        | ug/Kg             |
| 7005-72-3  | 4-Chlorophenyl-phenylether | 950   |           | 32.9 | 210        | ug/Kg             |
| 86-73-7    | Fluorene                   | 1100  |           | 31.2 | 210        | ug/Kg             |
| 100-01-6   | 4-Nitroaniline             | 940   |           | 79.2 | 210        | ug/Kg             |
| 534-52-1   | 4,6-Dinitro-2-methylphenol | 160   | J         | 130  | 410        | ug/Kg             |
| 86-30-6    | n-Nitrosodiphenylamine     | 990   |           | 40.6 | 210        | ug/Kg             |
| 101-55-3   | 4-Bromophenyl-phenylether  | 930   |           | 34.3 | 210        | ug/Kg             |
| 118-74-1   | Hexachlorobenzene          | 960   |           | 31.2 | 210        | ug/Kg             |
| 1912-24-9  | Atrazine                   | 1300  |           | 42.0 | 210        | ug/Kg             |
| 87-86-5    | Pentachlorophenol          | 2000  |           | 63.3 | 410        | ug/Kg             |
| 85-01-8    | Phenanthrene               | 1800  |           | 25.8 | 210        | ug/Kg             |
| 120-12-7   | Anthracene                 | 1200  |           | 41.1 | 210        | ug/Kg             |
| 86-74-8    | Carbazole                  | 1100  |           | 38.5 | 210        | ug/Kg             |
| 84-74-2    | Di-n-butylphthalate        | 990   |           | 59.1 | 210        | ug/Kg             |
| 206-44-0   | Fluoranthene               | 1900  |           | 37.0 | 210        | ug/Kg             |
| 129-00-0   | Pyrene                     | 1600  |           | 44.4 | 210        | ug/Kg             |
| 85-68-7    | Butylbenzylphthalate       | 970   |           | 88.1 | 210        | ug/Kg             |
| 91-94-1    | 3,3-Dichlorobenzidine      | 980   |           | 45.3 | 410        | ug/Kg             |
| 56-55-3    | Benzo(a)anthracene         | 1400  |           | 28.4 | 210        | ug/Kg             |
| 218-01-9   | Chrysene                   | 1400  |           | 24.6 | 210        | ug/Kg             |
| 117-81-7   | Bis(2-ethylhexyl)phthalate | 990   |           | 73.0 | 210        | ug/Kg             |
| 117-84-0   | Di-n-octyl phthalate       | 1000  |           | 110  | 410        | ug/Kg             |
| 205-99-2   | Benzo(b)fluoranthene       | 1400  |           | 23.4 | 210        | ug/Kg             |

## Report of Analysis

|                    |                     |                 |                  |
|--------------------|---------------------|-----------------|------------------|
| Client:            | G Environmental     | Date Collected: | 03/14/25         |
| Project:           | Ave L               | Date Received:  | 03/14/25         |
| Client Sample ID:  | OK-02-03142025MSD   | SDG No.:        | Q1574            |
| Lab Sample ID:     | Q1585-01MSD         | Matrix:         | SOIL             |
| Analytical Method: | SW8270              | % Solid:        | 97.1             |
| Sample Wt/Vol:     | 50.08      Units: g | Final Vol:      | 1000      uL     |
| Soil Aliquot Vol:  | uL                  | Test:           | SVOC-TCL BNA -20 |
| Extraction Type :  | Decanted : N        | Level :         | LOW              |
| Injection Volume : | GPC Factor : 1.0    | GPC Cleanup :   | N      PH :      |
| Prep Method :      | SW3541              |                 |                  |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BF141981.D        | 2         | 03/17/25 09:15 | 03/17/25 15:00 | PB167157      |

| CAS Number                | Parameter                  | Conc.  | Qualifier | MDL                 | LOQ / CRQL | Units(Dry Weight) |
|---------------------------|----------------------------|--------|-----------|---------------------|------------|-------------------|
| 207-08-9                  | Benzo(k)fluoranthene       | 1100   |           | 27.6                | 210        | ug/Kg             |
| 50-32-8                   | Benzo(a)pyrene             | 1400   |           | 36.4                | 210        | ug/Kg             |
| 193-39-5                  | Indeno(1,2,3-cd)pyrene     | 1100   |           | 35.9                | 210        | ug/Kg             |
| 53-70-3                   | Dibenzo(a,h)anthracene     | 930    |           | 33.8                | 210        | ug/Kg             |
| 191-24-2                  | Benzo(g,h,i)perylene       | 1100   |           | 31.7                | 210        | ug/Kg             |
| 95-94-3                   | 1,2,4,5-Tetrachlorobenzene | 1200   |           | 31.6                | 210        | ug/Kg             |
| 123-91-1                  | 1,4-Dioxane                | 1000   |           | 55.8                | 210        | ug/Kg             |
| 58-90-2                   | 2,3,4,6-Tetrachlorophenol  | 940    |           | 33.8                | 210        | ug/Kg             |
| <b>SURROGATES</b>         |                            |        |           |                     |            |                   |
| 367-12-4                  | 2-Fluorophenol             | 97.1   |           | 30 (18) - 130 (112) | 65%        | SPK: 150          |
| 13127-88-3                | Phenol-d6                  | 90.8   |           | 30 (15) - 130 (107) | 61%        | SPK: 150          |
| 4165-60-0                 | Nitrobenzene-d5            | 69.9   |           | 30 (18) - 130 (107) | 70%        | SPK: 100          |
| 321-60-8                  | 2-Fluorobiphenyl           | 74.6   |           | 30 (20) - 130 (109) | 75%        | SPK: 100          |
| 118-79-6                  | 2,4,6-Tribromophenol       | 95.2   |           | 30 (10) - 130 (116) | 63%        | SPK: 150          |
| 1718-51-0                 | Terphenyl-d14              | 65.5   |           | 30 (10) - 130 (105) | 66%        | SPK: 100          |
| <b>INTERNAL STANDARDS</b> |                            |        |           |                     |            |                   |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4     | 123000 | 6.881     |                     |            |                   |
| 1146-65-2                 | Naphthalene-d8             | 428000 | 8.163     |                     |            |                   |
| 15067-26-2                | Acenaphthene-d10           | 210000 | 9.916     |                     |            |                   |
| 1517-22-2                 | Phenanthrene-d10           | 361000 | 11.404    |                     |            |                   |
| 1719-03-5                 | Chrysene-d12               | 283000 | 14.045    |                     |            |                   |
| 1520-96-3                 | Perylene-d12               | 213000 | 15.521    |                     |            |                   |

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products



# CALIBRATION SUMMARY

Method Path : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\  
 Method File : 8270-BF031025.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 Last Update : Mon Mar 10 15:46:22 2025  
 Response Via : Initial Calibration

## Calibration Files

2.5 =BF141897.D 5 =BF141898.D 10 =BF141899.D 20 =BF141900.D 40 =BF141901.D 50 =BF141905.D 60 =BF141903.D 80 =BF141904.D

| Compound                   | 2.5            | 5     | 10    | 20    | 40    | 50    | 60    | 80    | Avg   | %RSD  |
|----------------------------|----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| -----                      |                |       |       |       |       |       |       |       |       |       |
| 1) I 1,4-Dichlorobenzen... | -----ISTD----- |       |       |       |       |       |       |       |       |       |
| 2) 1,4-Dioxane             | 0.490          | 0.482 | 0.536 | 0.504 | 0.495 | 0.501 | 0.508 | 0.502 |       | 3.43  |
| 3) Pyridine                | 1.217          | 1.204 | 1.334 | 1.221 | 1.203 | 1.209 | 1.233 | 1.232 |       | 3.77  |
| 4) n-Nitrosodimet...       | 0.554          | 0.556 | 0.621 | 0.583 | 0.595 | 0.594 | 0.607 | 0.587 |       | 4.26  |
| 5) S 2-Fluorophenol        | 1.267          | 1.243 | 1.298 | 1.148 | 1.162 | 1.146 | 1.124 | 1.198 |       | 5.79  |
| 6) Aniline                 | 1.599          | 1.602 | 1.640 | 1.465 | 1.443 | 1.435 | 1.351 | 1.505 |       | 7.20  |
| 7) S Phenol-d6             | 1.623          | 1.593 | 1.644 | 1.442 | 1.483 | 1.471 | 1.424 | 1.526 |       | 5.99  |
| 8) 2-Chlorophenol          | 1.421          | 1.354 | 1.434 | 1.259 | 1.295 | 1.284 | 1.256 | 1.329 |       | 5.63  |
| 9) Benzaldehyde            |                | 1.021 | 0.975 | 0.778 | 0.778 | 0.716 |       | 0.853 |       | 15.85 |
| 10) C Phenol               | 1.708          | 1.675 | 1.747 | 1.536 | 1.542 | 1.532 | 1.496 | 1.605 |       | 6.30  |
| 11) bis(2-Chloroet...      | 1.287          | 1.246 | 1.281 | 1.144 | 1.175 | 1.176 | 1.127 | 1.205 |       | 5.43  |
| 12) 1,3-Dichlorobe...      | 1.475          | 1.489 | 1.538 | 1.373 | 1.401 | 1.401 | 1.367 | 1.435 |       | 4.59  |
| 13) C 1,4-Dichlorobe...    | 1.514          | 1.503 | 1.548 | 1.393 | 1.408 | 1.420 | 1.376 | 1.452 |       | 4.71  |
| 14) 1,2-Dichlorobe...      | 1.461          | 1.417 | 1.460 | 1.303 | 1.315 | 1.343 | 1.273 | 1.367 |       | 5.69  |
| 15) Benzyl Alcohol         | 1.236          | 1.252 | 1.322 | 1.185 | 1.214 | 1.246 | 1.180 | 1.233 |       | 3.91  |
| 16) 2,2'-oxybis(1-...      | 1.591          | 1.525 | 1.534 | 1.363 | 1.387 | 1.472 | 1.313 | 1.455 |       | 7.07  |
| 17) 2-Methylphenol         | 1.080          | 1.050 | 1.122 | 1.008 | 1.038 | 1.079 | 1.021 | 1.057 |       | 3.73  |
| 18) Hexachloroethane       | 0.545          | 0.551 | 0.576 | 0.517 | 0.540 | 0.560 | 0.522 | 0.544 |       | 3.76  |
| 19) P n-Nitroso-di-n...    | 1.020          | 1.024 | 1.000 | 1.043 | 0.913 | 0.940 | 0.991 | 0.912 | 0.980 | 5.29  |
| 20) 3+4-Methylphenols      | 1.449          | 1.394 | 1.470 | 1.294 | 1.311 | 1.334 | 1.223 | 1.354 |       | 6.55  |
| -----                      |                |       |       |       |       |       |       |       |       |       |
| 21) I Naphthalene-d8       | -----ISTD----- |       |       |       |       |       |       |       |       |       |
| 22) Acetophenone           | 0.514          | 0.493 | 0.513 | 0.460 | 0.450 | 0.469 | 0.453 | 0.479 |       | 5.76  |
| 23) S Nitrobenzene-d5      | 0.345          | 0.356 | 0.379 | 0.348 | 0.344 | 0.363 | 0.353 | 0.355 |       | 3.47  |
| 24) Nitrobenzene           | 0.347          | 0.351 | 0.375 | 0.346 | 0.343 | 0.359 | 0.352 | 0.353 |       | 3.07  |
| 25) Isophorone             | 0.647          | 0.620 | 0.655 | 0.600 | 0.605 | 0.648 | 0.622 | 0.628 |       | 3.49  |
| 26) C 2-Nitrophenol        | 0.150          | 0.159 | 0.182 | 0.175 | 0.179 | 0.188 | 0.181 | 0.173 |       | 7.88  |
| 27) 2,4-Dimethylph...      | 0.247          | 0.234 | 0.251 | 0.231 | 0.233 | 0.244 | 0.232 | 0.239 |       | 3.45  |
| 28) bis(2-Chloroet...      | 0.411          | 0.406 | 0.416 | 0.372 | 0.377 | 0.397 | 0.378 | 0.394 |       | 4.63  |
| 29) C 2,4-Dichloroph...    | 0.292          | 0.295 | 0.309 | 0.286 | 0.295 | 0.303 | 0.294 | 0.296 |       | 2.54  |
| 30) 1,2,4-Trichlor...      | 0.337          | 0.325 | 0.342 | 0.310 | 0.318 | 0.333 | 0.322 | 0.327 |       | 3.50  |
| 31) Naphthalene            | 1.104          | 1.075 | 1.101 | 0.984 | 1.001 | 0.973 | 0.954 | 1.027 |       | 6.22  |
| 32) Benzoic acid           |                | 0.149 | 0.191 | 0.208 | 0.228 | 0.242 | 0.241 | 0.210 |       | 17.07 |
| 33) 4-Chloroaniline        | 0.383          | 0.378 | 0.393 | 0.351 | 0.354 | 0.352 | 0.329 | 0.363 |       | 6.14  |
| 34) C Hexachlorobuta...    | 0.211          | 0.211 | 0.221 | 0.203 | 0.214 | 0.214 | 0.216 | 0.213 |       | 2.52  |
| 35) Caprolactam            | 0.092          | 0.089 | 0.094 | 0.084 | 0.088 | 0.090 | 0.094 | 0.090 |       | 4.00  |
| 36) C 4-Chloro-3-met...    | 0.334          | 0.331 | 0.349 | 0.318 | 0.329 | 0.334 | 0.320 | 0.331 |       | 3.13  |
| 37) 2-Methylnaphth...      | 0.746          | 0.709 | 0.733 | 0.653 | 0.655 | 0.667 | 0.645 | 0.687 |       | 6.09  |
| 38) 1-Methylnaphth...      | 0.717          | 0.691 | 0.721 | 0.623 | 0.619 | 0.647 | 0.620 | 0.663 |       | 6.95  |

Method Path : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\  
 Method File : 8270-BF031025.M

|       |                   |                |       |       |       |       |       |       |       |       |  |
|-------|-------------------|----------------|-------|-------|-------|-------|-------|-------|-------|-------|--|
| 39) I | Acenaphthene-d10  | -----ISTD----- |       |       |       |       |       |       |       |       |  |
| 40)   | 1,2,4,5-Tetrac... | 0.615          | 0.604 | 0.626 | 0.592 | 0.597 | 0.606 | 0.623 | 0.609 | 2.11  |  |
| 41) P | Hexachlorocycl... | 0.204          | 0.221 | 0.249 | 0.250 | 0.237 | 0.252 | 0.256 | 0.238 | 8.03  |  |
| 42) S | 2,4,6-Tribromo... | 0.234          | 0.236 | 0.259 | 0.250 | 0.259 | 0.265 | 0.272 | 0.254 | 5.67  |  |
| 43) C | 2,4,6-Trichlor... | 0.388          | 0.389 | 0.402 | 0.398 | 0.400 | 0.401 | 0.409 | 0.398 | 1.91  |  |
| 44)   | 2,4,5-Trichlor... | 0.396          | 0.391 | 0.422 | 0.389 | 0.400 | 0.415 | 0.407 | 0.403 | 3.05  |  |
| 45) S | 2-Fluorobiphenyl  | 1.430          | 1.379 | 1.379 | 1.254 | 1.272 | 1.246 | 1.246 | 1.315 | 5.95  |  |
| 46)   | 1,1'-Biphenyl     | 1.636          | 1.573 | 1.591 | 1.454 | 1.502 | 1.431 | 1.450 | 1.520 | 5.29  |  |
| 47)   | 2-Chloronaphth... | 1.197          | 1.141 | 1.181 | 1.091 | 1.129 | 1.090 | 1.100 | 1.133 | 3.82  |  |
| 48)   | 2-Nitroaniline    | 0.296          | 0.314 | 0.346 | 0.322 | 0.356 | 0.332 | 0.330 | 0.328 | 6.08  |  |
| 49)   | Acenaphthylene    | 1.765          | 1.740 | 1.778 | 1.635 | 1.664 | 1.595 | 1.589 | 1.681 | 4.74  |  |
| 50)   | Dimethylphthalate | 1.481          | 1.414 | 1.469 | 1.329 | 1.425 | 1.345 | 1.341 | 1.401 | 4.47  |  |
| 51)   | 2,6-Dinitrotol... | 0.277          | 0.279 | 0.305 | 0.285 | 0.307 | 0.296 | 0.292 | 0.292 | 4.11  |  |
| 52) C | Acenaphthene      | 1.236          | 1.195 | 1.231 | 1.146 | 1.144 | 1.165 | 1.152 | 1.181 | 3.37  |  |
| 53)   | 3-Nitroaniline    | 0.291          | 0.295 | 0.316 | 0.293 | 0.283 | 0.301 | 0.291 | 0.296 | 3.61  |  |
| 54) P | 2,4-Dinitrophenol |                | 0.085 | 0.124 | 0.142 | 0.153 | 0.161 | 0.169 | 0.139 | 22.02 |  |
| 55)   | Dibenzofuran      | 1.849          | 1.787 | 1.791 | 1.614 | 1.607 | 1.596 | 1.570 | 1.688 | 6.87  |  |
| 56) P | 4-Nitrophenol     | 0.192          | 0.216 | 0.234 | 0.230 | 0.229 | 0.230 | 0.230 | 0.223 | 6.60  |  |
| 57)   | 2,4-Dinitrotol... | 0.365          | 0.382 | 0.402 | 0.375 | 0.383 | 0.383 | 0.376 | 0.381 | 2.95  |  |
| 58)   | Fluorene          | 1.443          | 1.361 | 1.381 | 1.229 | 1.243 | 1.234 | 1.220 | 1.302 | 7.01  |  |
| 59)   | 2,3,4,6-Tetrac... | 0.355          | 0.365 | 0.390 | 0.359 | 0.364 | 0.366 | 0.369 | 0.367 | 3.05  |  |
| 60)   | Diethylphthalate  | 1.475          | 1.471 | 1.497 | 1.336 | 1.357 | 1.338 | 1.302 | 1.397 | 5.80  |  |
| 61)   | 4-Chlorophenyl... | 0.730          | 0.688 | 0.702 | 0.643 | 0.664 | 0.656 | 0.667 | 0.679 | 4.41  |  |
| 62)   | 4-Nitroaniline    | 0.284          | 0.288 | 0.304 | 0.288 | 0.287 | 0.286 | 0.278 | 0.288 | 2.73  |  |
| 63)   | Azobenzene        | 1.392          | 1.363 | 1.404 | 1.245 | 1.261 | 1.226 | 1.197 | 1.298 | 6.57  |  |
| 64) I | Phenanthrene-d10  | -----ISTD----- |       |       |       |       |       |       |       |       |  |
| 65)   | 4,6-Dinitro-2-... |                | 0.083 | 0.111 | 0.121 | 0.130 | 0.133 | 0.137 | 0.119 | 16.61 |  |
| 66) c | n-Nitrosodiphe... | 0.675          | 0.651 | 0.671 | 0.620 | 0.638 | 0.638 | 0.637 | 0.647 | 3.03  |  |
| 67)   | 4-Bromophenyl-... | 0.240          | 0.249 | 0.255 | 0.244 | 0.263 | 0.245 | 0.262 | 0.251 | 3.55  |  |
| 68)   | Hexachlorobenzene | 0.262          | 0.267 | 0.284 | 0.269 | 0.283 | 0.271 | 0.292 | 0.275 | 3.92  |  |
| 69)   | Atrazine          | 0.216          | 0.213 | 0.193 | 0.164 | 0.206 |       |       | 0.198 | 10.72 |  |
| 70) C | Pentachlorophenol | 0.130          | 0.151 | 0.172 | 0.177 | 0.180 | 0.186 | 0.191 | 0.170 | 12.66 |  |
| 71)   | Phenanthrene      | 1.155          | 1.151 | 1.138 | 1.038 | 1.026 | 1.032 | 1.023 | 1.080 | 5.90  |  |
| 72)   | Anthracene        | 1.173          | 1.139 | 1.139 | 1.046 | 1.026 | 1.036 | 1.026 | 1.084 | 5.89  |  |
| 73)   | Carbazole         | 0.996          | 0.994 | 0.985 | 0.908 | 0.903 | 0.892 | 0.864 | 0.935 | 5.91  |  |
| 74)   | Di-n-butylphth... | 1.320          | 1.321 | 1.319 | 1.177 | 1.238 | 1.175 | 1.132 | 1.240 | 6.50  |  |
| 75) C | Fluoranthene      | 1.234          | 1.226 | 1.228 | 1.108 | 1.148 | 1.059 | 1.017 | 1.146 | 7.66  |  |
| 76) I | Chrysene-d12      | -----ISTD----- |       |       |       |       |       |       |       |       |  |
| 77)   | Benzidine         | 0.347          | 0.309 | 0.190 | 0.360 | 0.220 | 0.275 | 0.252 | 0.279 | 22.73 |  |
| 78)   | Pyrene            | 1.695          | 1.651 | 1.727 | 1.611 | 1.877 | 1.823 | 1.726 | 1.730 | 5.38  |  |
| 79) S | Terphenyl-d14     | 1.343          | 1.309 | 1.360 | 1.276 | 1.380 | 1.417 | 1.384 | 1.353 | 3.56  |  |
| 80)   | Butylbenzylpht... | 0.629          | 0.656 | 0.702 | 0.655 | 0.703 | 0.717 | 0.677 | 0.677 | 4.72  |  |
| 81)   | Benzo(a)anthra... | 1.370          | 1.304 | 1.334 | 1.273 | 1.294 | 1.317 | 1.294 | 1.312 | 2.41  |  |
| 82)   | 3,3'-Dichlorob... | 0.370          | 0.389 | 0.380 | 0.372 | 0.365 | 0.394 | 0.384 | 0.379 | 2.78  |  |
| 83)   | Chrysene          | 1.143          | 1.194 | 1.260 | 1.136 | 1.192 | 1.213 | 1.189 | 1.190 | 3.53  |  |
| 84)   | Bis(2-ethylhex... | 0.897          | 0.912 | 0.966 | 0.904 | 0.978 | 0.952 | 0.927 | 0.934 | 3.43  |  |
| 85) c | Di-n-octyl pht... | 1.145          | 1.219 | 1.338 | 1.265 | 1.376 | 1.390 | 1.361 | 1.299 | 7.10  |  |



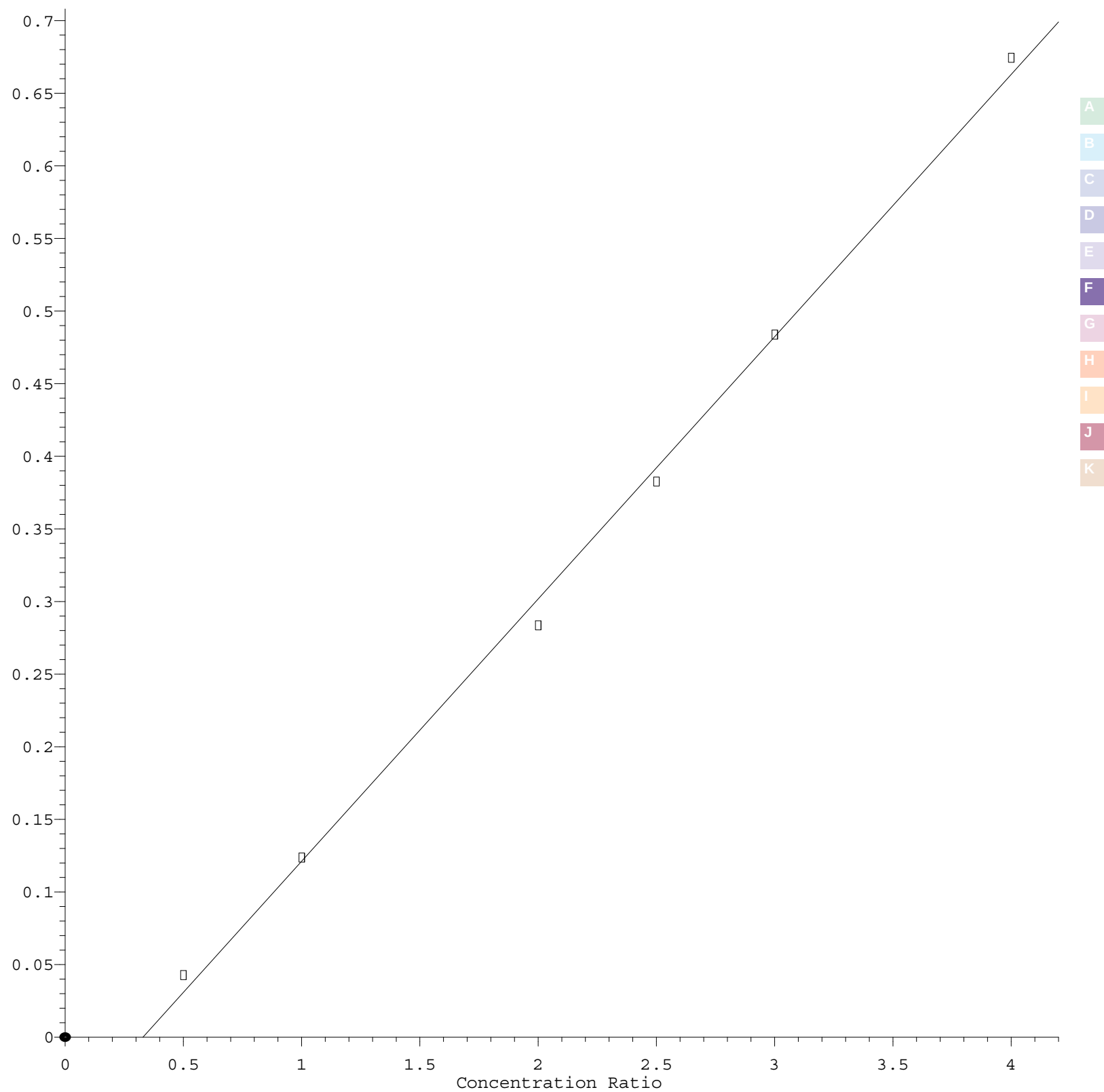
Method Path : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\  
Method File : 8270-BF031025.M

|       |                   |                |       |       |       |       |       |       |       |       |
|-------|-------------------|----------------|-------|-------|-------|-------|-------|-------|-------|-------|
| 86) I | Perylene-d12      | -----ISTD----- |       |       |       |       |       |       |       |       |
| 87)   | Indeno(1,2,3-c... | 1.097          | 1.142 | 1.308 | 1.287 | 1.322 | 1.472 | 1.429 | 1.294 | 10.60 |
| 88)   | Benzo(b)fluora... | 1.420          | 1.310 | 1.485 | 1.210 | 1.346 | 1.390 | 1.434 | 1.371 | 6.65  |
| 89)   | Benzo(k)fluora... | 1.162          | 1.268 | 1.197 | 1.205 | 1.129 | 1.210 | 1.041 | 1.173 | 6.16  |
| 90) C | Benzo(a)pyrene    | 1.040          | 1.042 | 1.123 | 1.036 | 1.083 | 1.083 | 1.101 | 1.073 | 3.16  |
| 91)   | Dibenzo(a,h)an... | 0.910          | 0.953 | 1.073 | 1.068 | 1.095 | 1.195 | 1.178 | 1.067 | 9.91  |
| 92)   | Benzo(g,h,i)pe... | 0.912          | 0.949 | 1.061 | 1.065 | 1.064 | 1.167 | 1.167 | 1.055 | 9.24  |

-----  
(#) = Out of Range

## 2,4-Dinitrophenol

Response Ratio



Response = 1.805e-001 \* Amt - 5.933e-002  
Coef of Det (r^2) = 0.997436 Curve Fit: Linear  
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF031025.M  
Calibration Table Last Updated: Mon Mar 10 15:46:22 2025

Method Path : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\  
 Method File : 8270E-BP031225.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 Last Update : Thu Mar 13 05:55:58 2025  
 Response Via : Initial Calibration

## Calibration Files

2.5 =BP024160.D 5 =BP024161.D 10 =BP024162.D 20 =BP024163.D 40 =BP024164.D 50 =BP024165.D 60 =BP024166.D 80 =BP024167.D

| Compound                   | 2.5            | 5     | 10    | 20    | 40    | 50    | 60    | 80    | Avg   | %RSD  |
|----------------------------|----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| -----                      |                |       |       |       |       |       |       |       |       |       |
| 1) I 1,4-Dichlorobenzen... | -----ISTD----- |       |       |       |       |       |       |       |       |       |
| 2) 1,4-Dioxane             | 0.503          | 0.499 | 0.518 | 0.469 | 0.496 | 0.498 | 0.493 | 0.497 |       | 2.93  |
| 3) Pyridine                | 1.296          | 1.269 | 1.406 | 1.311 | 1.396 | 1.398 | 1.429 | 1.358 |       | 4.69  |
| 4) n-Nitrosodimet...       | 0.444          | 0.436 | 0.476 | 0.431 | 0.461 | 0.466 | 0.461 | 0.454 |       | 3.66  |
| 5) S 2-Fluorophenol        | 1.158          | 1.194 | 1.307 | 1.211 | 1.291 | 1.307 | 1.303 | 1.253 |       | 5.06  |
| 6) Aniline                 | 1.508          | 1.531 | 1.656 | 1.484 | 1.548 | 1.512 | 1.447 | 1.527 |       | 4.31  |
| 7) S Phenol-d6             | 1.518          | 1.581 | 1.747 | 1.631 | 1.749 | 1.754 | 1.748 | 1.675 |       | 5.86  |
| 8) 2-Chlorophenol          | 1.257          | 1.310 | 1.413 | 1.306 | 1.391 | 1.400 | 1.397 | 1.353 |       | 4.52  |
| 9) Benzaldehyde            | 0.971          | 0.949 | 0.930 | 0.780 | 0.751 | 0.702 | 0.577 | 0.809 |       | 18.20 |
| 10) C Phenol               | 1.579          | 1.632 | 1.754 | 1.628 | 1.744 | 1.752 | 1.751 | 1.691 |       | 4.46  |
| 11) bis(2-Chloroet...      | 1.286          | 1.317 | 1.407 | 1.273 | 1.341 | 1.358 | 1.356 | 1.334 |       | 3.45  |
| 12) 1,3-Dichlorobe...      | 1.466          | 1.448 | 1.522 | 1.387 | 1.477 | 1.471 | 1.445 | 1.459 |       | 2.79  |
| 13) C 1,4-Dichlorobe...    | 1.507          | 1.474 | 1.562 | 1.413 | 1.493 | 1.503 | 1.479 | 1.490 |       | 3.01  |
| 14) 1,2-Dichlorobe...      | 1.446          | 1.426 | 1.494 | 1.358 | 1.435 | 1.440 | 1.411 | 1.430 |       | 2.85  |
| 15) Benzyl Alcohol         | 0.934          | 0.966 | 1.096 | 1.042 | 1.122 | 1.126 | 1.139 | 1.061 |       | 7.77  |
| 16) 2,2'-oxybis(1-...      | 1.374          | 1.367 | 1.434 | 1.293 | 1.365 | 1.362 | 1.336 | 1.361 |       | 3.11  |
| 17) 2-Methylphenol         | 0.932          | 0.997 | 1.120 | 1.038 | 1.116 | 1.113 | 1.109 | 1.061 |       | 6.96  |
| 18) Hexachloroethane       | 0.533          | 0.512 | 0.547 | 0.508 | 0.533 | 0.538 | 0.529 | 0.529 |       | 2.67  |
| 19) P n-Nitroso-di-n...    | 0.869          | 0.910 | 0.956 | 1.048 | 0.962 | 1.026 | 1.007 | 0.997 | 0.972 | 6.18  |
| 20) 3+4-Methylphenols      | 1.265          | 1.360 | 1.530 | 1.433 | 1.547 | 1.530 | 1.534 | 1.457 |       | 7.50  |
| -----                      |                |       |       |       |       |       |       |       |       |       |
| 21) I Naphthalene-d8       | -----ISTD----- |       |       |       |       |       |       |       |       |       |
| 22) Acetophenone           | 0.483          | 0.490 | 0.531 | 0.496 | 0.508 | 0.519 | 0.512 | 0.506 |       | 3.37  |
| 23) S Nitrobenzene-d5      | 0.330          | 0.338 | 0.366 | 0.351 | 0.362 | 0.368 | 0.367 | 0.354 |       | 4.34  |
| 24) Nitrobenzene           | 0.330          | 0.336 | 0.362 | 0.341 | 0.355 | 0.363 | 0.361 | 0.350 |       | 3.88  |
| 25) Isophorone             | 0.532          | 0.562 | 0.631 | 0.602 | 0.635 | 0.642 | 0.649 | 0.608 |       | 7.33  |
| 26) C 2-Nitrophenol        | 0.126          | 0.141 | 0.167 | 0.171 | 0.182 | 0.189 | 0.192 | 0.167 |       | 14.92 |
| 27) 2,4-Dimethylph...      | 0.186          | 0.198 | 0.220 | 0.215 | 0.223 | 0.229 | 0.232 | 0.215 |       | 7.94  |
| 28) bis(2-Chloroet...      | 0.414          | 0.418 | 0.438 | 0.418 | 0.429 | 0.437 | 0.439 | 0.427 |       | 2.55  |
| 29) C 2,4-Dichloroph...    | 0.237          | 0.263 | 0.298 | 0.296 | 0.306 | 0.314 | 0.319 | 0.291 |       | 10.21 |
| 30) 1,2,4-Trichlor...      | 0.310          | 0.312 | 0.329 | 0.312 | 0.322 | 0.331 | 0.331 | 0.321 |       | 2.94  |
| 31) Naphthalene            | 1.041          | 1.037 | 1.099 | 1.029 | 1.069 | 1.078 | 1.069 | 1.060 |       | 2.38  |
| 32) Benzoic acid           |                | 0.148 | 0.190 | 0.218 | 0.239 | 0.252 |       | 0.209 |       | 19.82 |
| 33) 4-Chloroaniline        | 0.344          | 0.356 | 0.397 | 0.377 | 0.394 | 0.389 | 0.398 | 0.379 |       | 5.63  |
| 34) C Hexachlorobuta...    | 0.177          | 0.178 | 0.187 | 0.180 | 0.187 | 0.192 | 0.191 | 0.185 |       | 3.36  |
| 35) Caprolactam            | 0.072          | 0.079 | 0.097 | 0.097 | 0.107 | 0.104 | 0.111 | 0.095 |       | 15.56 |
| 36) C 4-Chloro-3-met...    | 0.261          | 0.283 | 0.324 | 0.314 | 0.333 | 0.332 | 0.348 | 0.313 |       | 9.83  |
| 37) 2-Methylnaphth...      | 0.689          | 0.684 | 0.737 | 0.704 | 0.731 | 0.734 | 0.735 | 0.716 |       | 3.27  |
| 38) 1-Methylnaphth...      | 0.674          | 0.673 | 0.728 | 0.673 | 0.704 | 0.705 | 0.720 | 0.697 |       | 3.32  |

Method Path : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\  
 Method File : 8270E-BP031225.M

|       |                   |                |       |       |       |       |       |       |       |       |  |
|-------|-------------------|----------------|-------|-------|-------|-------|-------|-------|-------|-------|--|
| 39) I | Acenaphthene-d10  | -----ISTD----- |       |       |       |       |       |       |       |       |  |
| 40)   | 1,2,4,5-Tetrac... | 0.548          | 0.560 | 0.596 | 0.558 | 0.580 | 0.608 | 0.596 | 0.578 | 3.98  |  |
| 41) P | Hexachlorocycl... | 0.169          | 0.189 | 0.214 | 0.212 | 0.220 | 0.234 | 0.222 | 0.208 | 10.65 |  |
| 42) S | 2,4,6-Tribromo... | 0.203          | 0.222 | 0.256 | 0.252 | 0.270 | 0.275 | 0.285 | 0.252 | 11.69 |  |
| 43) C | 2,4,6-Trichlor... | 0.291          | 0.324 | 0.379 | 0.372 | 0.391 | 0.409 | 0.406 | 0.367 | 11.98 |  |
| 44)   | 2,4,5-Trichlor... | 0.331          | 0.362 | 0.414 | 0.409 | 0.422 | 0.439 | 0.443 | 0.403 | 10.23 |  |
| 45) S | 2-Fluorobiphenyl  | 1.364          | 1.358 | 1.420 | 1.319 | 1.335 | 1.367 | 1.332 | 1.356 | 2.44  |  |
| 46)   | 1,1'-Biphenyl     | 1.467          | 1.475 | 1.566 | 1.462 | 1.493 | 1.536 | 1.521 | 1.503 | 2.60  |  |
| 47)   | 2-Chloronaphth... | 1.108          | 1.100 | 1.180 | 1.095 | 1.115 | 1.164 | 1.152 | 1.130 | 3.01  |  |
| 48)   | 2-Nitroaniline    | 0.228          | 0.252 | 0.300 | 0.292 | 0.311 | 0.317 | 0.324 | 0.289 | 12.34 |  |
| 49)   | Acenaphthylene    | 1.586          | 1.628 | 1.776 | 1.661 | 1.749 | 1.789 | 1.784 | 1.710 | 4.91  |  |
| 50)   | Dimethylphthalate | 1.351          | 1.349 | 1.459 | 1.358 | 1.417 | 1.424 | 1.439 | 1.399 | 3.27  |  |
| 51)   | 2,6-Dinitrotol... | 0.248          | 0.266 | 0.303 | 0.294 | 0.312 | 0.316 | 0.322 | 0.294 | 9.40  |  |
| 52) C | Acenaphthene      | 1.057          | 1.056 | 1.136 | 1.061 | 1.096 | 1.123 | 1.121 | 1.093 | 3.18  |  |
| 53)   | 3-Nitroaniline    | 0.253          | 0.276 | 0.328 | 0.322 | 0.344 | 0.343 | 0.359 | 0.318 | 12.24 |  |
| 54) P | 2,4-Dinitrophenol |                | 0.108 | 0.146 | 0.160 | 0.179 | 0.186 |       | 0.156 | 19.97 |  |
| 55)   | Dibenzofuran      | 1.759          | 1.751 | 1.835 | 1.711 | 1.768 | 1.799 | 1.769 | 1.770 | 2.18  |  |
| 56) P | 4-Nitrophenol     | 0.187          | 0.218 | 0.271 | 0.277 | 0.299 | 0.296 | 0.312 | 0.266 | 17.41 |  |
| 57)   | 2,4-Dinitrotol... | 0.295          | 0.334 | 0.400 | 0.394 | 0.423 | 0.431 | 0.446 | 0.389 | 14.19 |  |
| 58)   | Fluorene          | 1.309          | 1.343 | 1.442 | 1.345 | 1.407 | 1.407 | 1.402 | 1.379 | 3.43  |  |
| 59)   | 2,3,4,6-Tetrac... | 0.316          | 0.323 | 0.365 | 0.356 | 0.371 | 0.376 | 0.386 | 0.356 | 7.54  |  |
| 60)   | Diethylphthalate  | 1.297          | 1.336 | 1.437 | 1.358 | 1.422 | 1.435 | 1.469 | 1.394 | 4.53  |  |
| 61)   | 4-Chlorophenyl... | 0.658          | 0.660 | 0.696 | 0.658 | 0.685 | 0.689 | 0.690 | 0.676 | 2.53  |  |
| 62)   | 4-Nitroaniline    | 0.246          | 0.292 | 0.348 | 0.343 | 0.362 | 0.365 | 0.379 | 0.334 | 14.22 |  |
| 63)   | Azobenzene        | 1.215          | 1.251 | 1.369 | 1.291 | 1.341 | 1.363 | 1.365 | 1.314 | 4.73  |  |
| 64) I | Phenanthrene-d10  | -----ISTD----- |       |       |       |       |       |       |       |       |  |
| 65)   | 4,6-Dinitro-2-... |                | 0.085 | 0.111 | 0.120 | 0.127 | 0.132 | 0.137 | 0.119 | 15.85 |  |
| 66) c | n-Nitrosodiphe... | 0.564          | 0.583 | 0.629 | 0.600 | 0.617 | 0.632 | 0.626 | 0.607 | 4.27  |  |
| 67)   | 4-Bromophenyl-... | 0.206          | 0.207 | 0.222 | 0.217 | 0.224 | 0.229 | 0.231 | 0.220 | 4.60  |  |
| 68)   | Hexachlorobenzene | 0.248          | 0.249 | 0.263 | 0.254 | 0.263 | 0.270 | 0.272 | 0.260 | 3.76  |  |
| 69)   | Atrazine          | 0.165          | 0.171 | 0.157 | 0.135 | 0.105 |       |       | 0.147 | 18.49 |  |
| 70) C | Pentachlorophenol | 0.121          | 0.140 | 0.166 | 0.177 | 0.184 | 0.190 | 0.197 | 0.168 | 16.61 |  |
| 71)   | Phenanthrene      | 1.068          | 1.059 | 1.126 | 1.083 | 1.100 | 1.111 | 1.102 | 1.093 | 2.19  |  |
| 72)   | Anthracene        | 0.993          | 1.012 | 1.101 | 1.063 | 1.092 | 1.090 | 1.098 | 1.064 | 4.16  |  |
| 73)   | Carbazole         | 0.920          | 0.975 | 1.060 | 1.041 | 1.060 | 1.061 | 1.066 | 1.026 | 5.50  |  |
| 74)   | Di-n-butylphth... | 1.026          | 1.121 | 1.247 | 1.260 | 1.272 | 1.297 | 1.304 | 1.218 | 8.57  |  |
| 75) C | Fluoranthene      | 1.173          | 1.220 | 1.287 | 1.264 | 1.305 | 1.298 | 1.312 | 1.265 | 4.07  |  |
| 76) I | Chrysene-d12      | -----ISTD----- |       |       |       |       |       |       |       |       |  |
| 77)   | Benzidine         | 0.222          | 0.199 | 0.178 | 0.258 | 0.173 | 0.278 | 0.222 | 0.219 | 17.88 |  |
| 78)   | Pyrene            | 1.177          | 1.190 | 1.299 | 1.204 | 1.266 | 1.293 | 1.274 | 1.243 | 4.12  |  |
| 79) S | Terphenyl-d14     | 0.967          | 0.973 | 1.033 | 0.948 | 0.966 | 0.971 | 0.924 | 0.969 | 3.45  |  |
| 80)   | Butylbenzylpht... | 0.399          | 0.441 | 0.513 | 0.524 | 0.554 | 0.581 | 0.576 | 0.513 | 13.49 |  |
| 81)   | Benzo(a)anthra... | 1.194          | 1.194 | 1.291 | 1.208 | 1.261 | 1.285 | 1.271 | 1.243 | 3.47  |  |
| 82)   | 3,3'-Dichlorob... | 0.340          | 0.369 | 0.429 | 0.428 | 0.434 | 0.467 | 0.450 | 0.417 | 10.94 |  |
| 83)   | Chrysene          | 1.185          | 1.159 | 1.224 | 1.158 | 1.212 | 1.220 | 1.209 | 1.195 | 2.36  |  |
| 84)   | Bis(2-ethylhex... | 0.613          | 0.678 | 0.784 | 0.792 | 0.819 | 0.878 | 0.851 | 0.774 | 12.30 |  |
| 85) c | Di-n-octyl pht... | 0.922          | 1.033 | 1.224 | 1.272 | 1.357 | 1.435 | 1.433 | 1.240 | 15.95 |  |

Method Path : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\  
Method File : 8270E-BP031225.M

|       |                   |                |       |       |       |       |       |       |       |      |
|-------|-------------------|----------------|-------|-------|-------|-------|-------|-------|-------|------|
| 86) I | Perylene-d12      | -----ISTD----- |       |       |       |       |       |       |       |      |
| 87)   | Indeno(1,2,3-c... | 1.274          | 1.289 | 1.421 | 1.366 | 1.442 | 1.479 | 1.499 | 1.396 | 6.38 |
| 88)   | Benzo(b)fluora... | 1.103          | 1.116 | 1.258 | 1.190 | 1.244 | 1.266 | 1.264 | 1.206 | 5.85 |
| 89)   | Benzo(k)fluora... | 1.092          | 1.136 | 1.213 | 1.130 | 1.203 | 1.251 | 1.232 | 1.180 | 5.07 |
| 90) C | Benzo(a)pyrene    | 0.953          | 0.959 | 1.065 | 1.029 | 1.094 | 1.119 | 1.122 | 1.049 | 6.77 |
| 91)   | Dibenzo(a,h)an... | 1.063          | 1.083 | 1.184 | 1.137 | 1.191 | 1.226 | 1.244 | 1.161 | 5.97 |
| 92)   | Benzo(g,h,i)pe... | 1.097          | 1.107 | 1.199 | 1.154 | 1.202 | 1.246 | 1.259 | 1.180 | 5.39 |

-----  
(#) = Out of Range

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1574 SAS No.: Q1574 SDG No.: Q1574

Instrument ID: BNA\_F Calibration Date/Time: 03/17/2025 09:39

Lab File ID: BF141973.D Init. Calib. Date(s): 03/10/2025 03/10/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 11:01 15:20

GC Column: DB-UI ID: 0.18 (mm)

| COMPOUND                    | RRF   | RRF040 | MIN<br>RRF | %D    | MAX%D |
|-----------------------------|-------|--------|------------|-------|-------|
| 2-Fluorophenol              | 1.198 | 1.143  |            | -4.6  |       |
| Benzaldehyde                | 0.853 | 0.698  |            | -18.2 |       |
| Phenol-d6                   | 1.526 | 1.395  |            | -8.6  |       |
| Phenol                      | 1.605 | 1.465  |            | -8.7  | 20.0  |
| bis(2-Chloroethyl)ether     | 1.205 | 1.072  |            | -11.0 |       |
| 2-Chlorophenol              | 1.329 | 1.240  |            | -6.7  |       |
| 2-Methylphenol              | 1.057 | 0.929  |            | -12.1 |       |
| 2,2-oxybis(1-Chloropropane) | 1.455 | 1.194  |            | -17.9 |       |
| Acetophenone                | 0.479 | 0.453  |            | -5.4  |       |
| 3+4-Methylphenols           | 1.354 | 1.184  |            | -12.6 |       |
| n-Nitroso-di-n-propylamine  | 0.980 | 0.794  | 0.050      | -19.0 |       |
| Nitrobenzene-d5             | 0.355 | 0.342  |            | -3.7  |       |
| Hexachloroethane            | 0.544 | 0.502  |            | -7.7  |       |
| Nitrobenzene                | 0.353 | 0.337  |            | -4.5  |       |
| Isophorone                  | 0.628 | 0.555  |            | -11.6 |       |
| 2-Nitrophenol               | 0.173 | 0.173  |            | 0.0   | 20.0  |
| 2,4-Dimethylphenol          | 0.239 | 0.219  |            | -8.4  |       |
| bis(2-Chloroethoxy)methane  | 0.394 | 0.352  |            | -10.7 |       |
| 2,4-Dichlorophenol          | 0.296 | 0.281  |            | -5.1  | 20.0  |
| Naphthalene                 | 1.027 | 0.987  |            | -3.9  |       |
| 4-Chloroaniline             | 0.363 | 0.328  |            | -9.6  |       |
| Hexachlorobutadiene         | 0.213 | 0.209  |            | -1.9  | 20.0  |
| Caprolactam                 | 0.090 | 0.076  |            | -15.6 |       |
| 4-Chloro-3-methylphenol     | 0.331 | 0.296  |            | -10.6 | 20.0  |
| 2-Methylnaphthalene         | 0.687 | 0.632  |            | -8.0  |       |
| Hexachlorocyclopentadiene   | 0.238 | 0.242  | 0.050      | 1.7   |       |
| 2,4,6-Trichlorophenol       | 0.398 | 0.397  |            | -0.3  | 20.0  |
| 2-Fluorobiphenyl            | 1.315 | 1.326  |            | 0.8   |       |
| 2,4,5-Trichlorophenol       | 0.403 | 0.397  |            | -1.5  |       |
| 1,1-Biphenyl                | 1.520 | 1.526  |            | 0.4   |       |
| 2-Chloronaphthalene         | 1.133 | 1.123  |            | -0.9  |       |
| 2-Nitroaniline              | 0.328 | 0.310  |            | -5.5  |       |
| Dimethylphthalate           | 1.401 | 1.315  |            | -6.1  |       |
| Acenaphthylene              | 1.681 | 1.647  |            | -2.0  |       |
| 2,6-Dinitrotoluene          | 0.292 | 0.281  |            | -3.8  |       |
| 3-Nitroaniline              | 0.296 | 0.280  |            | -5.4  |       |
| Acenaphthene                | 1.181 | 1.164  |            | -1.4  | 20.0  |
| 2,4-Dinitrophenol           | 0.139 | 0.138  | 0.050      | -0.7  |       |
| 4-Nitrophenol               | 0.223 | 0.220  | 0.050      | -1.3  |       |

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1574 SAS No.: Q1574 SDG No.: Q1574

Instrument ID: BNA\_F Calibration Date/Time: 03/17/2025 09:39

Lab File ID: BF141973.D Init. Calib. Date(s): 03/10/2025 03/10/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 11:01 15:20

GC Column: DB-UI ID: 0.18 (mm)

| COMPOUND                   | RRF   | RRF040 | MIN<br>RRF | %D    | MAX%D |
|----------------------------|-------|--------|------------|-------|-------|
| Dibenzofuran               | 1.688 | 1.612  |            | -4.5  |       |
| 2,4-Dinitrotoluene         | 0.381 | 0.363  |            | -4.7  |       |
| Diethylphthalate           | 1.397 | 1.280  |            | -8.4  |       |
| 4-Chlorophenyl-phenylether | 0.679 | 0.653  |            | -3.8  |       |
| Fluorene                   | 1.302 | 1.247  |            | -4.2  |       |
| 4-Nitroaniline             | 0.288 | 0.271  |            | -5.9  |       |
| 4,6-Dinitro-2-methylphenol | 0.119 | 0.121  |            | 1.7   |       |
| n-Nitrosodiphenylamine     | 0.647 | 0.639  |            | -1.2  | 20.0  |
| 2,4,6-Tribromophenol       | 0.254 | 0.242  |            | -4.7  |       |
| 4-Bromophenyl-phenylether  | 0.251 | 0.248  |            | -1.2  |       |
| Hexachlorobenzene          | 0.275 | 0.277  |            | 0.7   |       |
| Atrazine                   | 0.198 | 0.174  |            | -12.1 |       |
| Pentachlorophenol          | 0.170 | 0.175  |            | 2.9   | 20.0  |
| Phenanthrene               | 1.080 | 1.047  |            | -3.1  |       |
| Anthracene                 | 1.084 | 1.060  |            | -2.3  |       |
| Carbazole                  | 0.935 | 0.886  |            | -5.2  |       |
| Di-n-butylphthalate        | 1.240 | 1.152  |            | -7.1  |       |
| Fluoranthene               | 1.146 | 1.043  |            | -9.0  | 20.0  |
| Pyrene                     | 1.730 | 1.469  |            | -15.1 |       |
| Terphenyl-d14              | 1.353 | 1.154  |            | -14.7 |       |
| Butylbenzylphthalate       | 0.677 | 0.594  |            | -12.3 |       |
| 3,3-Dichlorobenzidine      | 0.379 | 0.427  |            | 12.7  |       |
| Benzo (a) anthracene       | 1.312 | 1.239  |            | -5.6  |       |
| Chrysene                   | 1.190 | 1.192  |            | 0.2   |       |
| Bis(2-ethylhexyl)phthalate | 0.934 | 0.858  |            | -8.1  |       |
| Di-n-octyl phthalate       | 1.299 | 1.464  |            | 12.7  | 20.0  |
| Benzo (b) fluoranthene     | 1.371 | 1.109  |            | -19.1 |       |
| Benzo (k) fluoranthene     | 1.173 | 1.101  |            | -6.1  |       |
| Benzo (a) pyrene           | 1.073 | 1.006  |            | -6.2  | 20.0  |
| Indeno (1,2,3-cd) pyrene   | 1.294 | 1.403  |            | 8.4   |       |
| Dibenzo (a,h) anthracene   | 1.067 | 1.162  |            | 8.9   |       |
| Benzo (g,h,i) perylene     | 1.055 | 1.184  |            | 12.2  |       |
| 1,2,4,5-Tetrachlorobenzene | 0.609 | 0.630  |            | 3.4   |       |
| 1,4-Dioxane                | 0.502 | 0.490  |            | -2.4  | 20.0  |
| 2,3,4,6-Tetrachlorophenol  | 0.367 | 0.353  |            | -3.8  |       |

All other compounds must meet a minimum RRF of 0.010.

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1574 SAS No.: Q1574 SDG No.: Q1574

Instrument ID: BNA\_P Calibration Date/Time: 03/18/2025 09:46

Lab File ID: BP024179.D Init. Calib. Date(s): 03/12/2025 03/12/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 16:17 21:02

GC Column: ZB-GR ID: 0.25 (mm)

| COMPOUND                    | RRF   | RRF040 | MIN<br>RRF | %D    | MAX%D |
|-----------------------------|-------|--------|------------|-------|-------|
| 2-Fluorophenol              | 1.253 | 1.217  |            | -2.9  |       |
| Benzaldehyde                | 0.809 | 0.676  |            | -16.4 |       |
| Phenol-d6                   | 1.675 | 1.667  |            | -0.5  |       |
| Phenol                      | 1.691 | 1.667  |            | -1.4  | 20.0  |
| bis(2-Chloroethyl)ether     | 1.334 | 1.303  |            | -2.3  |       |
| 2-Chlorophenol              | 1.353 | 1.312  |            | -3.0  |       |
| 2-Methylphenol              | 1.061 | 1.057  |            | -0.4  |       |
| 2,2-oxybis(1-Chloropropane) | 1.361 | 1.381  |            | 1.5   |       |
| Acetophenone                | 0.506 | 0.499  |            | -1.4  |       |
| 3+4-Methylphenols           | 1.457 | 1.457  |            | 0.0   |       |
| n-Nitroso-di-n-propylamine  | 0.972 | 1.009  | 0.050      | 3.8   |       |
| Nitrobenzene-d5             | 0.354 | 0.354  |            | 0.0   |       |
| Hexachloroethane            | 0.529 | 0.513  |            | -3.0  |       |
| Nitrobenzene                | 0.350 | 0.348  |            | -0.6  |       |
| Isophorone                  | 0.608 | 0.611  |            | 0.5   |       |
| 2-Nitrophenol               | 0.167 | 0.167  |            | 0.0   | 20.0  |
| 2,4-Dimethylphenol          | 0.215 | 0.211  |            | -1.9  |       |
| bis(2-Chloroethoxy)methane  | 0.427 | 0.426  |            | -0.2  |       |
| 2,4-Dichlorophenol          | 0.291 | 0.291  |            | 0.0   | 20.0  |
| Naphthalene                 | 1.060 | 1.026  |            | -3.2  |       |
| 4-Chloroaniline             | 0.379 | 0.383  |            | 1.1   |       |
| Hexachlorobutadiene         | 0.185 | 0.177  |            | -4.3  | 20.0  |
| Caprolactam                 | 0.095 | 0.100  |            | 5.3   |       |
| 4-Chloro-3-methylphenol     | 0.313 | 0.322  |            | 2.9   | 20.0  |
| 2-Methylnaphthalene         | 0.716 | 0.714  |            | -0.3  |       |
| Hexachlorocyclopentadiene   | 0.208 | 0.203  | 0.050      | -2.4  |       |
| 2,4,6-Trichlorophenol       | 0.367 | 0.359  |            | -2.2  | 20.0  |
| 2-Fluorobiphenyl            | 1.356 | 1.320  |            | -2.7  |       |
| 2,4,5-Trichlorophenol       | 0.403 | 0.402  |            | -0.2  |       |
| 1,1-Biphenyl                | 1.503 | 1.456  |            | -3.1  |       |
| 2-Chloronaphthalene         | 1.130 | 1.087  |            | -3.8  |       |
| 2-Nitroaniline              | 0.289 | 0.301  |            | 4.2   |       |
| Dimethylphthalate           | 1.399 | 1.368  |            | -2.2  |       |
| Acenaphthylene              | 1.710 | 1.690  |            | -1.2  |       |
| 2,6-Dinitrotoluene          | 0.294 | 0.293  |            | -0.3  |       |
| 3-Nitroaniline              | 0.318 | 0.331  |            | 4.1   |       |
| Acenaphthene                | 1.093 | 1.065  |            | -2.6  | 20.0  |
| 2,4-Dinitrophenol           | 0.156 | 0.161  | 0.050      | 3.2   |       |
| 4-Nitrophenol               | 0.266 | 0.281  | 0.050      | 5.6   |       |



7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1574 SAS No.: Q1574 SDG No.: Q1574

Instrument ID: BNA\_P Calibration Date/Time: 03/18/2025 09:46

Lab File ID: BP024179.D Init. Calib. Date(s): 03/12/2025 03/12/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 16:17 21:02

GC Column: ZB-GR ID: 0.25 (mm)

| COMPOUND                     | RRF   | RRF040 | MIN<br>RRF | %D    | MAX%D |
|------------------------------|-------|--------|------------|-------|-------|
| Dibenzofuran                 | 1.770 | 1.741  |            | -1.6  |       |
| 2,4-Dinitrotoluene           | 0.389 | 0.401  |            | 3.1   |       |
| Diethylphthalate             | 1.394 | 1.408  |            | 1.0   |       |
| 4-Chlorophenyl-phenylether   | 0.676 | 0.671  |            | -0.7  |       |
| Fluorene                     | 1.379 | 1.385  |            | 0.4   |       |
| 4-Nitroaniline               | 0.334 | 0.352  |            | 5.4   |       |
| 4,6-Dinitro-2-methylphenol   | 0.119 | 0.117  |            | -1.7  |       |
| n-Nitrosodiphenylamine       | 0.607 | 0.600  |            | -1.2  | 20.0  |
| 2,4,6-Tribromophenol         | 0.252 | 0.254  |            | 0.8   |       |
| 4-Bromophenyl-phenylether    | 0.220 | 0.212  |            | -3.6  |       |
| Hexachlorobenzene            | 0.260 | 0.250  |            | -3.8  |       |
| Atrazine                     | 0.147 | 0.131  |            | -10.9 |       |
| Pentachlorophenol            | 0.168 | 0.172  |            | 2.4   | 20.0  |
| Phenanthrene                 | 1.093 | 1.063  |            | -2.7  |       |
| Anthracene                   | 1.064 | 1.047  |            | -1.6  |       |
| Carbazole                    | 1.026 | 1.032  |            | 0.6   |       |
| Di-n-butylphthalate          | 1.218 | 1.253  |            | 2.9   |       |
| Fluoranthene                 | 1.265 | 1.284  |            | 1.5   | 20.0  |
| Pyrene                       | 1.243 | 1.202  |            | -3.3  |       |
| Terphenyl-d14                | 0.969 | 0.961  |            | -0.8  |       |
| Butylbenzylphthalate         | 0.513 | 0.508  |            | -1.0  |       |
| 3,3-Dichlorobenzidine        | 0.417 | 0.422  |            | 1.2   |       |
| Benzo (a) anthracene         | 1.243 | 1.219  |            | -1.9  |       |
| Chrysene                     | 1.195 | 1.150  |            | -3.8  |       |
| Bis (2-ethylhexyl) phthalate | 0.774 | 0.793  |            | 2.5   |       |
| Di-n-octyl phthalate         | 1.240 | 1.245  |            | 0.4   | 20.0  |
| Benzo (b) fluoranthene       | 1.206 | 1.185  |            | -1.7  |       |
| Benzo (k) fluoranthene       | 1.180 | 1.161  |            | -1.6  |       |
| Benzo (a) pyrene             | 1.049 | 1.027  |            | -2.1  | 20.0  |
| Indeno (1,2,3-cd) pyrene     | 1.396 | 1.357  |            | -2.8  |       |
| Dibenzo (a,h) anthracene     | 1.161 | 1.123  |            | -3.3  |       |
| Benzo (g,h,i) perylene       | 1.180 | 1.148  |            | -2.7  |       |
| 1,2,4,5-Tetrachlorobenzene   | 0.578 | 0.548  |            | -5.2  |       |
| 1,4-Dioxane                  | 0.497 | 0.477  |            | -4.0  | 20.0  |
| 2,3,4,6-Tetrachlorophenol    | 0.356 | 0.353  |            | -0.8  |       |

All other compounds must meet a minimum RRF of 0.010.



# SAMPLE RAW DATA

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF031725\  
 Data File : BF141982.D  
 Acq On : 17 Mar 2025 15:29  
 Operator : RC/JU  
 Sample : Q1574-01 5X  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 WC1

Quant Time: Mar 25 16:16:39 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF031025.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Mar 10 15:46:22 2025  
 Response via : Initial Calibration

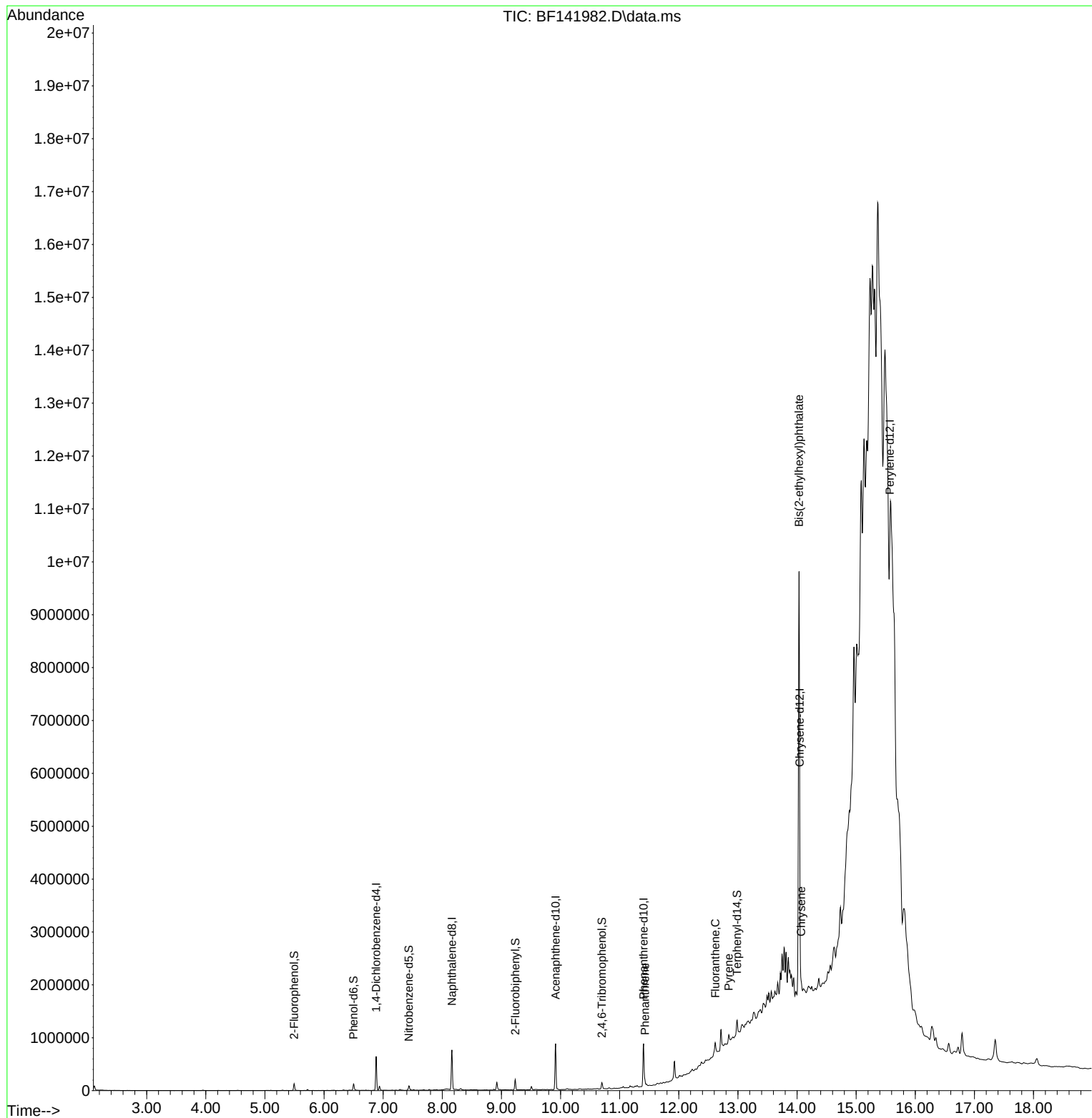
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.881  | 152  | 134820   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.163  | 136  | 482604   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.916  | 164  | 242342   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.404 | 188  | 413517   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 14.045 | 240  | 298547   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 15.569 | 264  | 246126   | 20.000  | ng    | 0.06     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.493  | 112  | 52902    | 6.549   | ng    | 0.00     |
| 7) Phenol-d6                  | 6.498  | 99   | 63864    | 6.209   | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.434  | 82   | 40431    | 4.715   | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol      | 10.698 | 330  | 19673    | 6.399   | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.234  | 172  | 86625    | 5.436   | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.986 | 244  | 105058   | 5.203   | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 71) Phenanthrene              | 11.428 | 178  | 68457    | 3.065   | ng    | 99       |
| 75) Fluoranthene              | 12.616 | 202  | 116131   | 4.902   | ng    | 98       |
| 78) Pyrene                    | 12.845 | 202  | 87760    | 3.398   | ng    | 96       |
| 83) Chrysene                  | 14.069 | 228  | 57899    | 3.260   | ng #  | 91       |
| 84) Bis(2-ethylhexyl)phtha... | 14.033 | 149  | 3530429  | 253.322 | ng #  | 94       |
| -----                         |        |      |          |         |       |          |

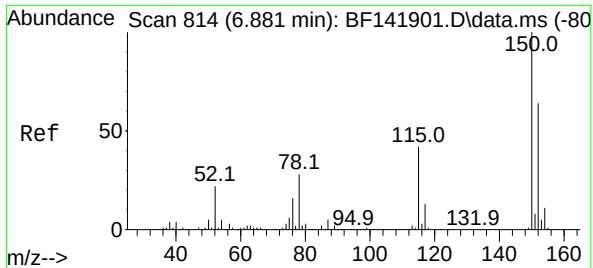
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF031725\  
Data File : BF141982.D  
Acq On : 17 Mar 2025 15:29  
Operator : RC/JU  
Sample : Q1574-01 5X  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
WC1

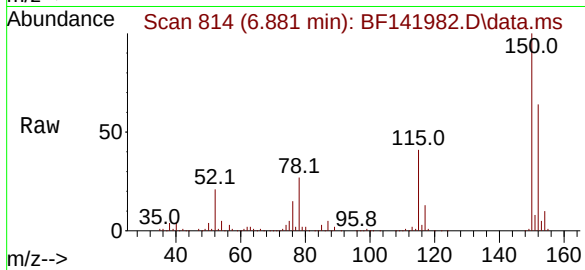
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Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF031025.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Mar 10 15:46:22 2025  
Response via : Initial Calibration



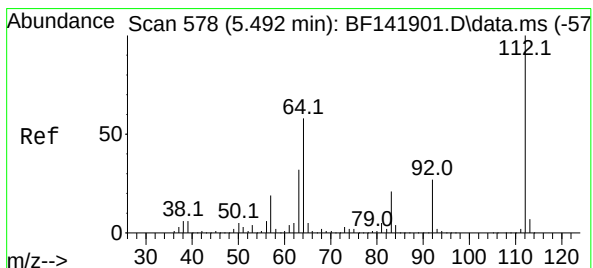
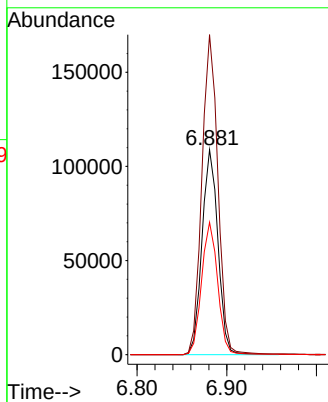
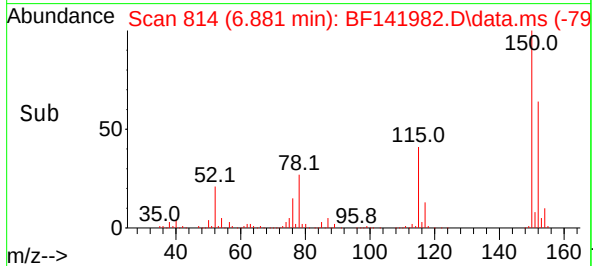


#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.881 min Scan# 814  
Delta R.T. -0.000 min  
Lab File: BF141982.D  
Acq: 17 Mar 2025 15:29

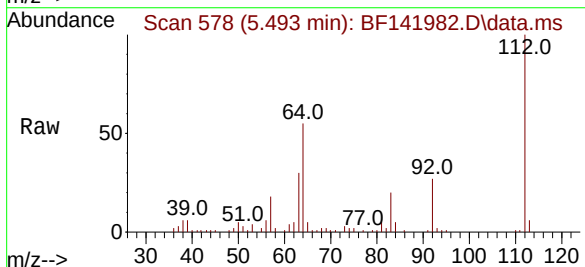
Instrument :  
BNA\_F  
ClientSampleId :  
WC1



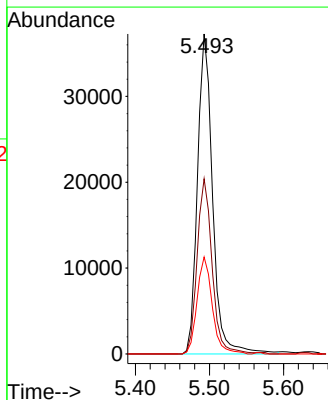
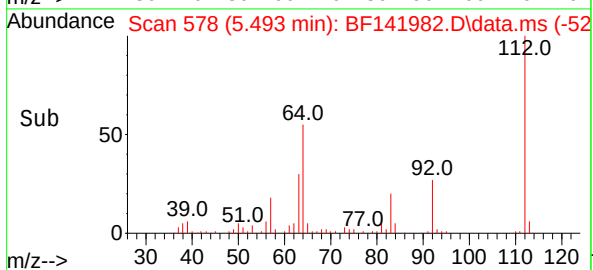
Tgt Ion:152 Resp: 134820  
Ion Ratio Lower Upper  
152 100  
150 156.2 127.4 191.2  
115 64.6 51.9 77.9

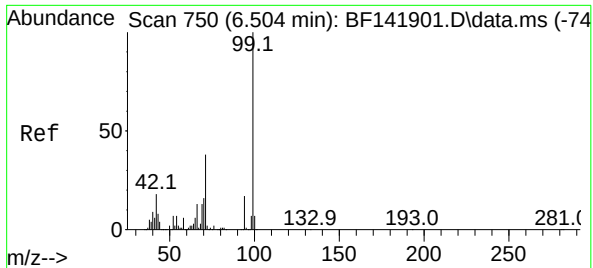


#5  
2-Fluorophenol  
Concen: 6.549 ng  
RT: 5.493 min Scan# 578  
Delta R.T. 0.000 min  
Lab File: BF141982.D  
Acq: 17 Mar 2025 15:29



Tgt Ion:112 Resp: 52902  
Ion Ratio Lower Upper  
112 100  
64 54.7 46.5 69.7  
63 30.3 25.4 38.2

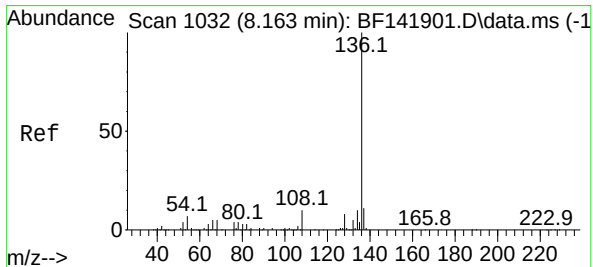
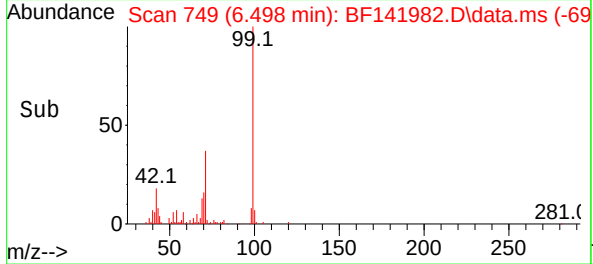
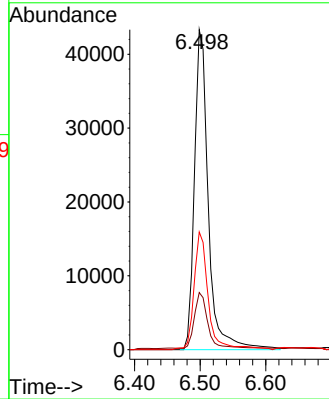
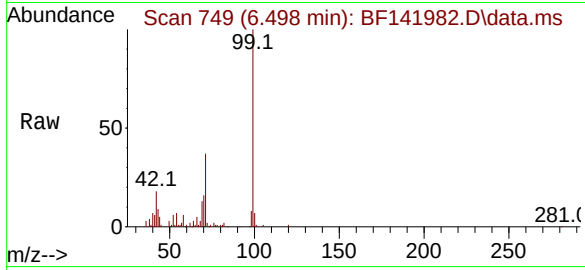




#7  
Phenol-d6  
Concen: 6.209 ng  
RT: 6.498 min Scan# 749  
Delta R.T. -0.006 min  
Lab File: BF141982.D  
Acq: 17 Mar 2025 15:29

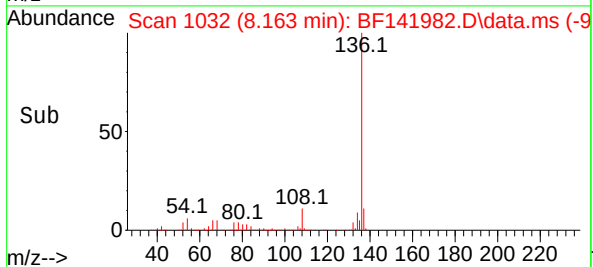
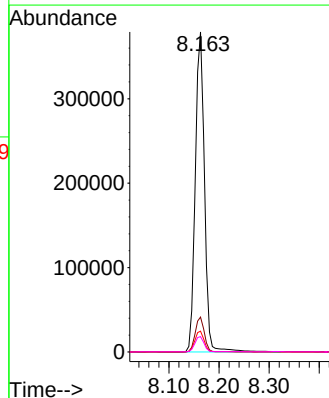
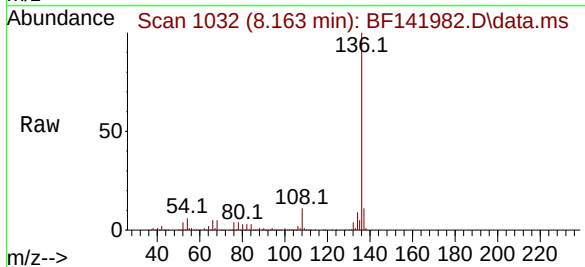
Instrument :  
BNA\_F  
ClientSampleId :  
WC1

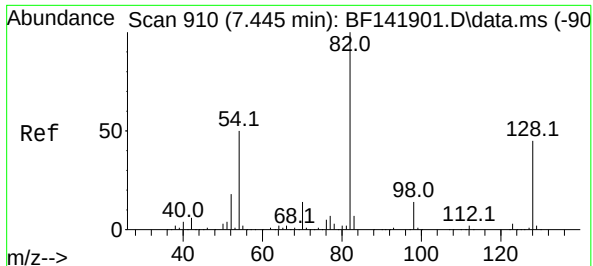
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 99    | Resp: | 63864 |
| Ion Ratio | Lower | Upper |       |
| 99        | 100   |       |       |
| 42        | 17.8  | 14.6  | 21.8  |
| 71        | 36.8  | 30.8  | 46.2  |



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.163 min Scan# 1032  
Delta R.T. 0.000 min  
Lab File: BF141982.D  
Acq: 17 Mar 2025 15:29

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 136   | Resp: | 482604 |
| Ion Ratio | Lower | Upper |        |
| 136       | 100   |       |        |
| 137       | 10.9  | 8.8   | 13.2   |
| 54        | 6.5   | 5.8   | 8.8    |
| 68        | 4.8   | 4.1   | 6.1    |





#23

Nitrobenzene-d5

Concen: 4.715 ng

RT: 7.434 min Scan# 90

Delta R.T. -0.012 min

Lab File: BF141982.D

Acq: 17 Mar 2025 15:29

Instrument :

BNA\_F

ClientSampleId :

WC1

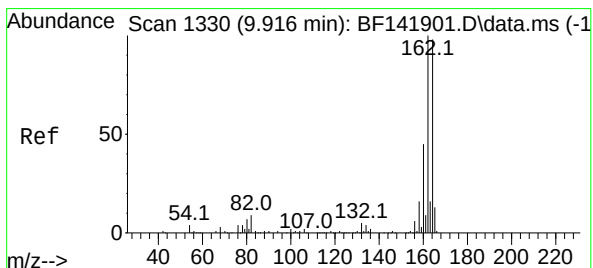
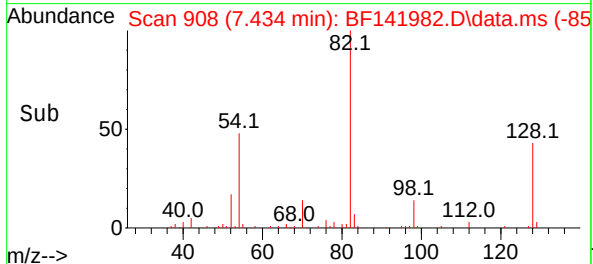
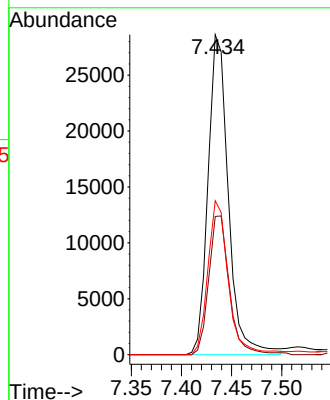
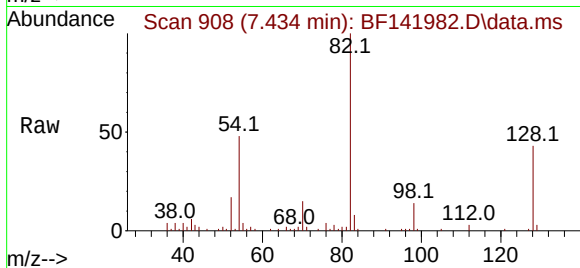
Tgt Ion: 82 Resp: 40431

Ion Ratio Lower Upper

82 100

128 43.2 36.0 54.0

54 48.1 39.6 59.4



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.916 min Scan# 1330

Delta R.T. -0.000 min

Lab File: BF141982.D

Acq: 17 Mar 2025 15:29

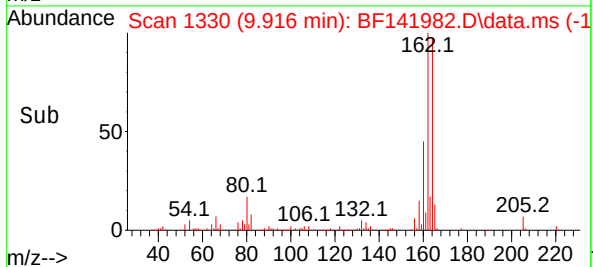
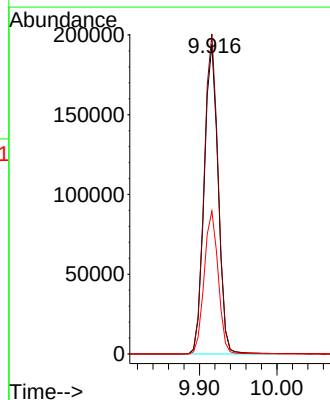
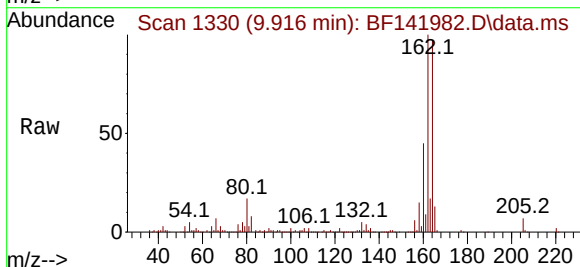
Tgt Ion:164 Resp: 242342

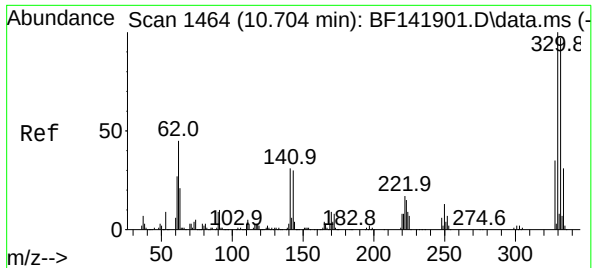
Ion Ratio Lower Upper

164 100

162 103.4 81.8 122.6

160 46.2 36.7 55.1





#42

2,4,6-Tribromophenol

Concen: 6.399 ng

RT: 10.698 min Scan# 1463

Delta R.T. -0.006 min

Lab File: BF141982.D

Acq: 17 Mar 2025 15:29

Instrument :

BNA\_F

ClientSampleId :

WC1

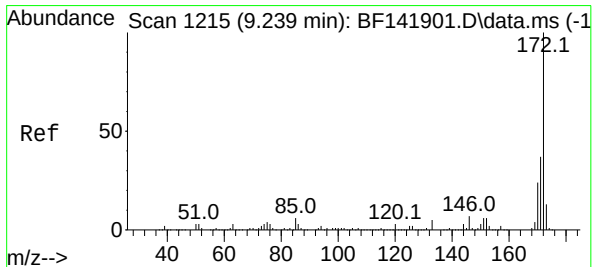
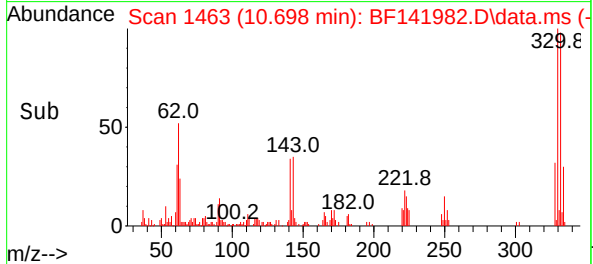
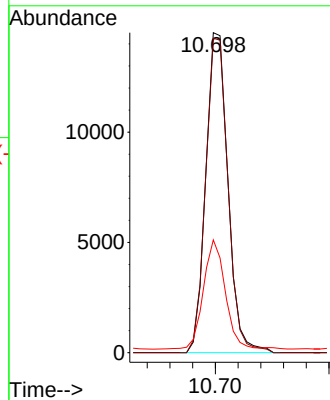
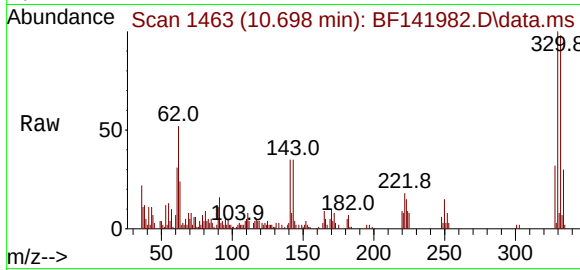
Tgt Ion:330 Resp: 19673

Ion Ratio Lower Upper

330 100

332 98.9 77.6 116.4

141 35.4 24.7 37.1



#45

2-Fluorobiphenyl

Concen: 5.436 ng

RT: 9.234 min Scan# 1214

Delta R.T. -0.006 min

Lab File: BF141982.D

Acq: 17 Mar 2025 15:29

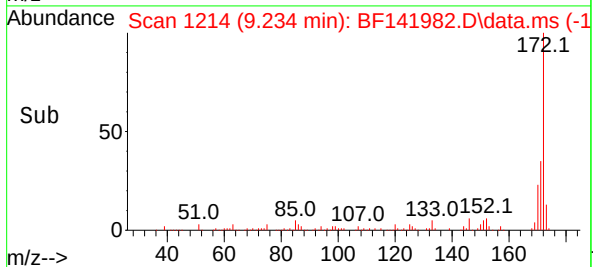
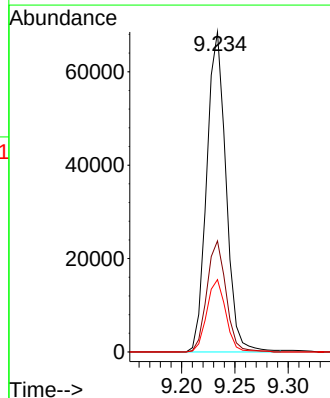
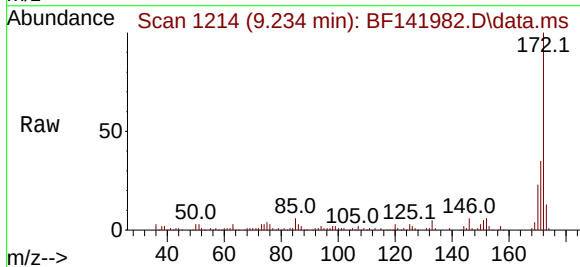
Tgt Ion:172 Resp: 86625

Ion Ratio Lower Upper

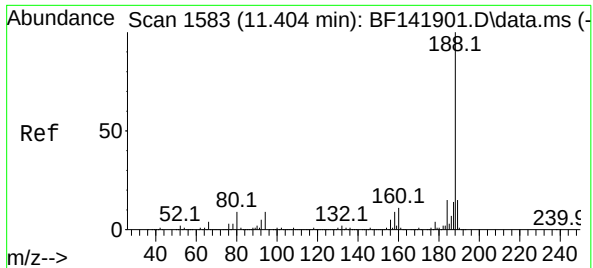
172 100

171 34.7 29.3 43.9

170 22.6 19.4 29.0







#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.404 min Scan# 1583

Delta R.T. 0.000 min

Lab File: BF141982.D

Acq: 17 Mar 2025 15:29

Instrument :

BNA\_F

ClientSampleId :

WC1

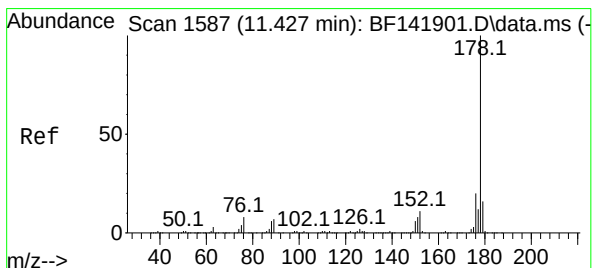
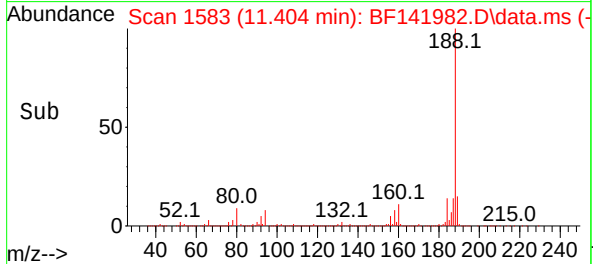
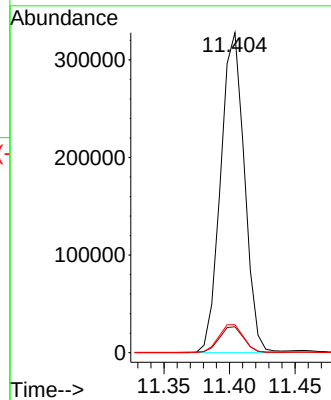
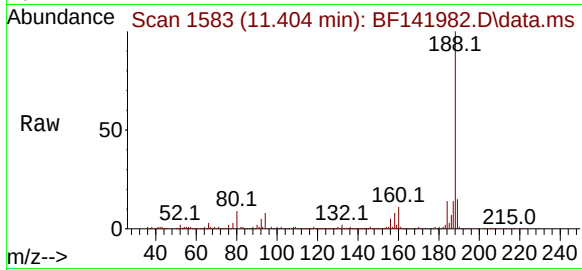
Tgt Ion:188 Resp: 413517

Ion Ratio Lower Upper

188 100

94 8.1 6.8 10.2

80 8.7 7.6 11.4



#71

Phenanthrene

Concen: 3.065 ng

RT: 11.428 min Scan# 1587

Delta R.T. 0.000 min

Lab File: BF141982.D

Acq: 17 Mar 2025 15:29

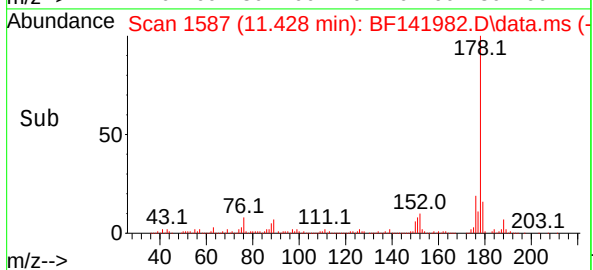
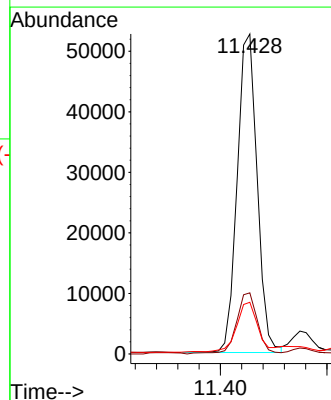
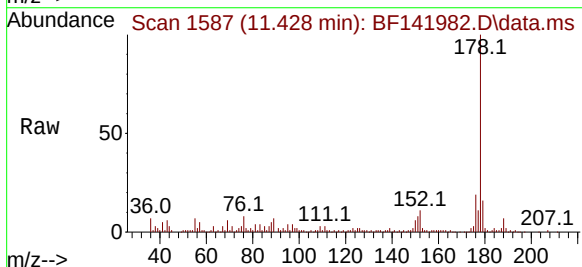
Tgt Ion:178 Resp: 68457

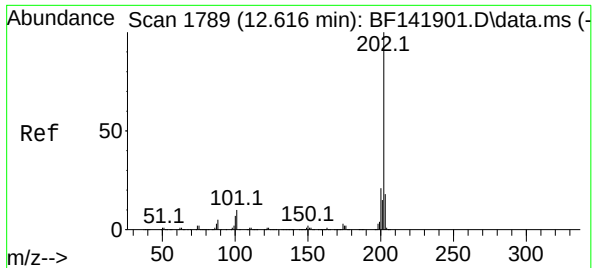
Ion Ratio Lower Upper

178 100

176 19.1 15.8 23.8

179 16.2 12.6 19.0





#75

Fluoranthene

Concen: 4.902 ng

RT: 12.616 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF141982.D

Acq: 17 Mar 2025 15:29

Instrument :

BNA\_F

ClientSampleId :

WC1

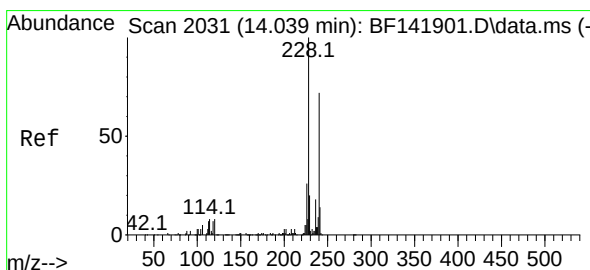
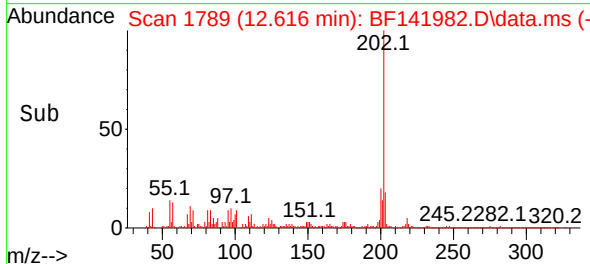
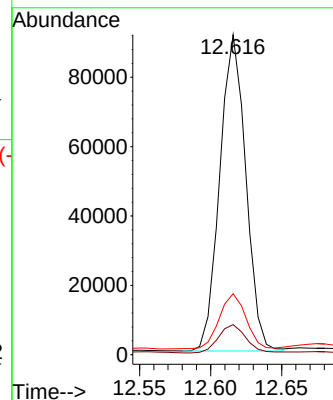
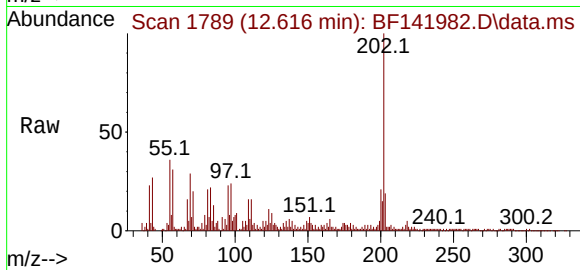
Tgt Ion:202 Resp: 116131

Ion Ratio Lower Upper

202 100

101 9.4 0.0 29.7

203 19.0 0.0 37.8



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.045 min Scan# 2032

Delta R.T. 0.006 min

Lab File: BF141982.D

Acq: 17 Mar 2025 15:29

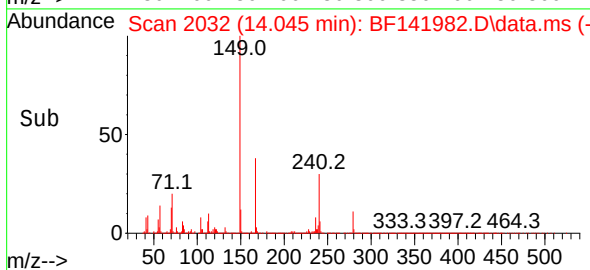
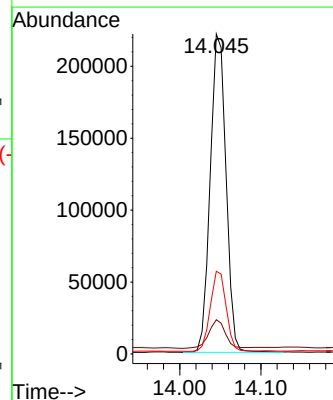
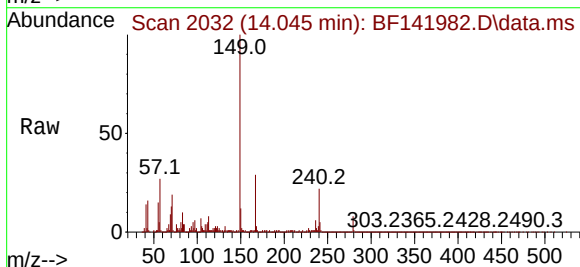
Tgt Ion:240 Resp: 298547

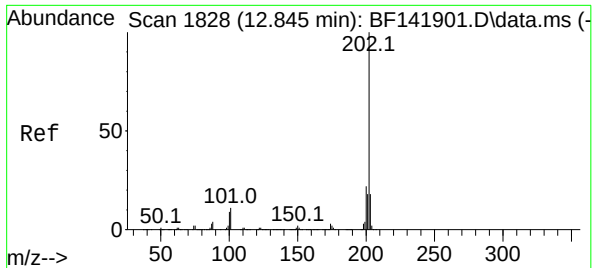
Ion Ratio Lower Upper

240 100

120 10.7 8.4 12.6

236 25.9 20.5 30.7





#78

Pyrene

Concen: 3.398 ng

RT: 12.845 min Scan# 1828

Delta R.T. 0.000 min

Lab File: BF141982.D

Acq: 17 Mar 2025 15:29

Instrument :

BNA\_F

ClientSampleId :

WC1

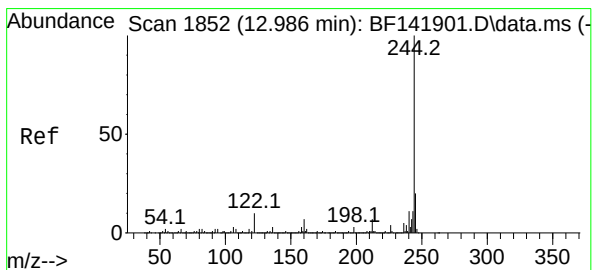
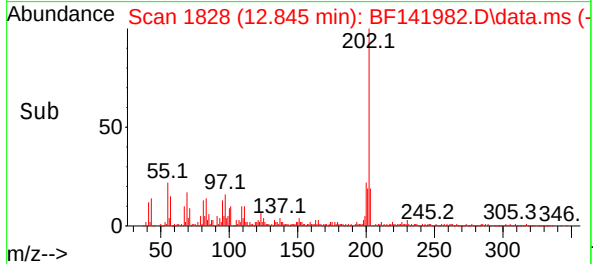
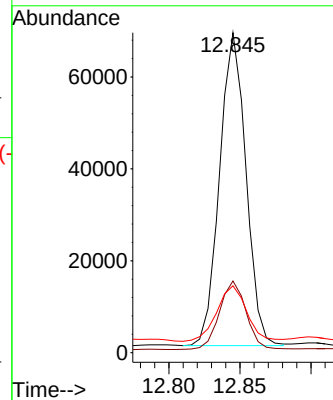
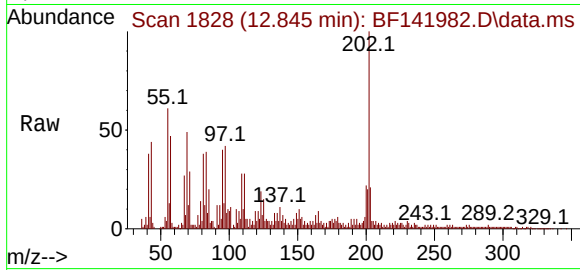
Tgt Ion:202 Resp: 87760

Ion Ratio Lower Upper

202 100

200 22.4 17.3 25.9

203 20.9 14.4 21.6



#79

Terphenyl-d14

Concen: 5.203 ng

RT: 12.986 min Scan# 1852

Delta R.T. 0.000 min

Lab File: BF141982.D

Acq: 17 Mar 2025 15:29

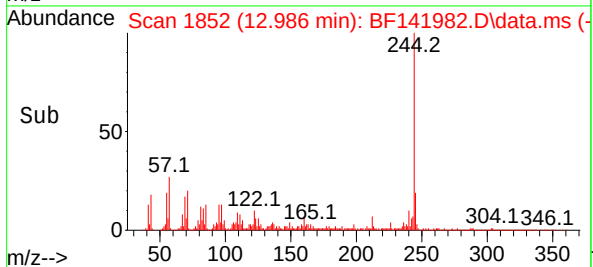
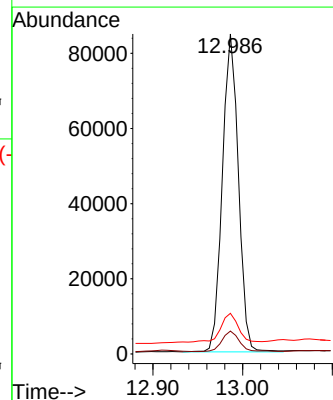
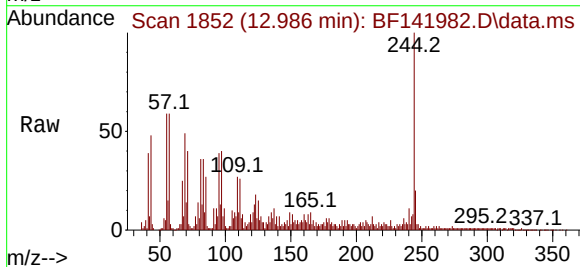
Tgt Ion:244 Resp: 105058

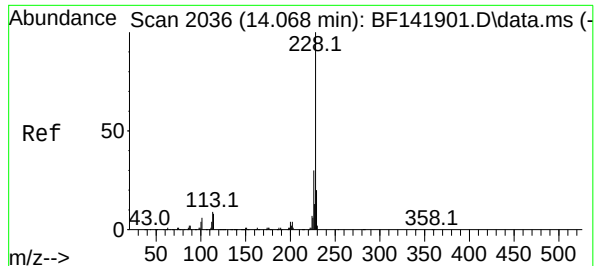
Ion Ratio Lower Upper

244 100

212 7.1 6.0 9.0

122 12.7 7.7 11.5#





#83

Chrysene

Concen: 3.260 ng

RT: 14.069 min Scan# 2036

Delta R.T. 0.000 min

Lab File: BF141982.D

Acq: 17 Mar 2025 15:29

Instrument :

BNA\_F

ClientSampleId :

WC1

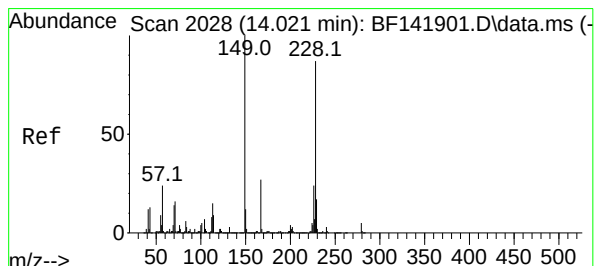
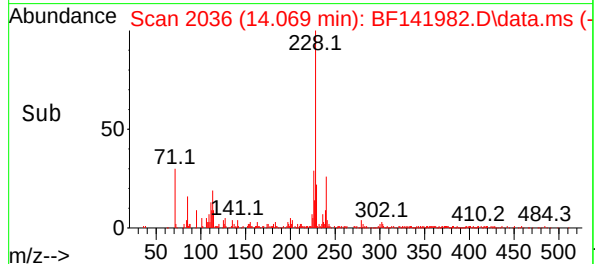
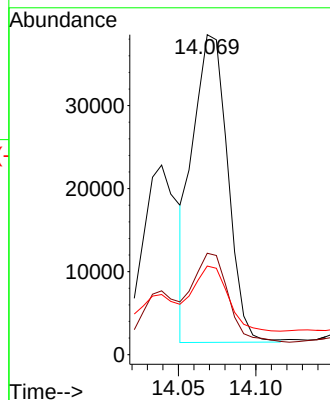
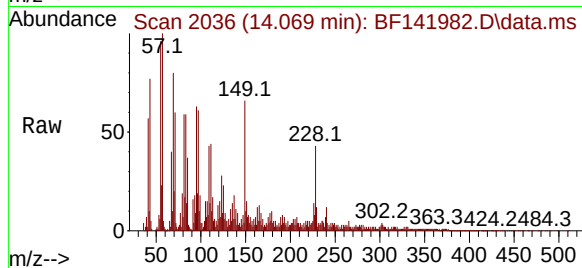
Tgt Ion:228 Resp: 57899

Ion Ratio Lower Upper

228 100

226 31.7 24.1 36.1

229 27.7 15.7 23.5#



#84

Bis(2-ethylhexyl)phthalate

Concen: 253.322 ng

RT: 14.033 min Scan# 2030

Delta R.T. 0.012 min

Lab File: BF141982.D

Acq: 17 Mar 2025 15:29

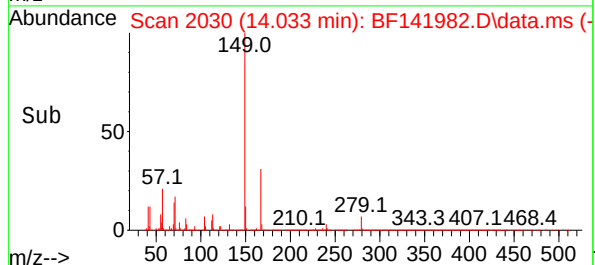
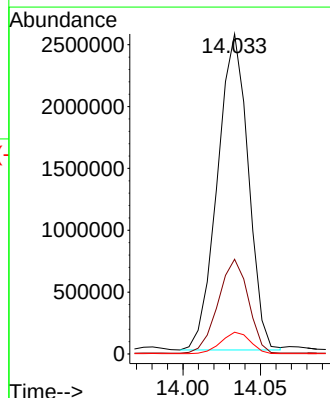
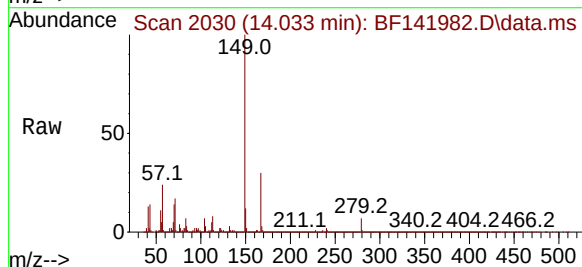
Tgt Ion:149 Resp: 3530429

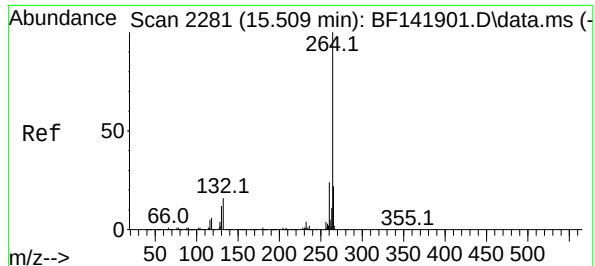
Ion Ratio Lower Upper

149 100

167 29.6 21.4 32.0

279 6.8 3.8 5.6#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.569 min Scan# 21

Delta R.T. 0.059 min

Lab File: BF141982.D

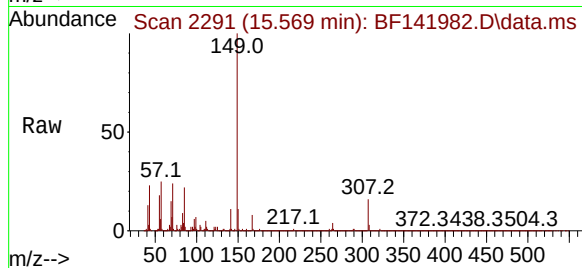
Acq: 17 Mar 2025 15:29

Instrument :

BNA\_F

ClientSampleId :

WC1



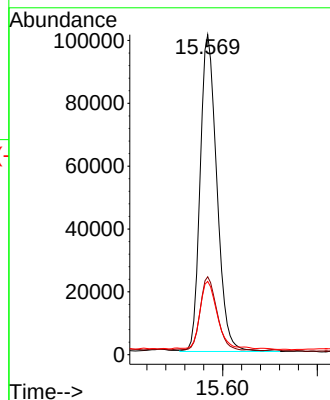
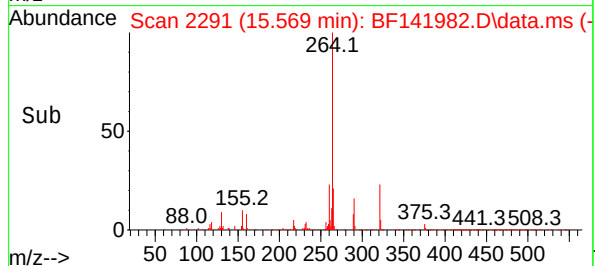
Tgt Ion:264 Resp: 246126

Ion Ratio Lower Upper

264 100

260 24.4 19.1 28.7

265 22.9 17.5 26.3



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF031725\  
Data File : BF141984.D  
Acq On : 17 Mar 2025 17:00  
Operator : RC/JU  
Sample : Q1574-01DL 25X  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
WC1DL

Quant Time: Mar 17 17:40:01 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF031025.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Mar 10 15:46:22 2025  
Response via : Initial Calibration

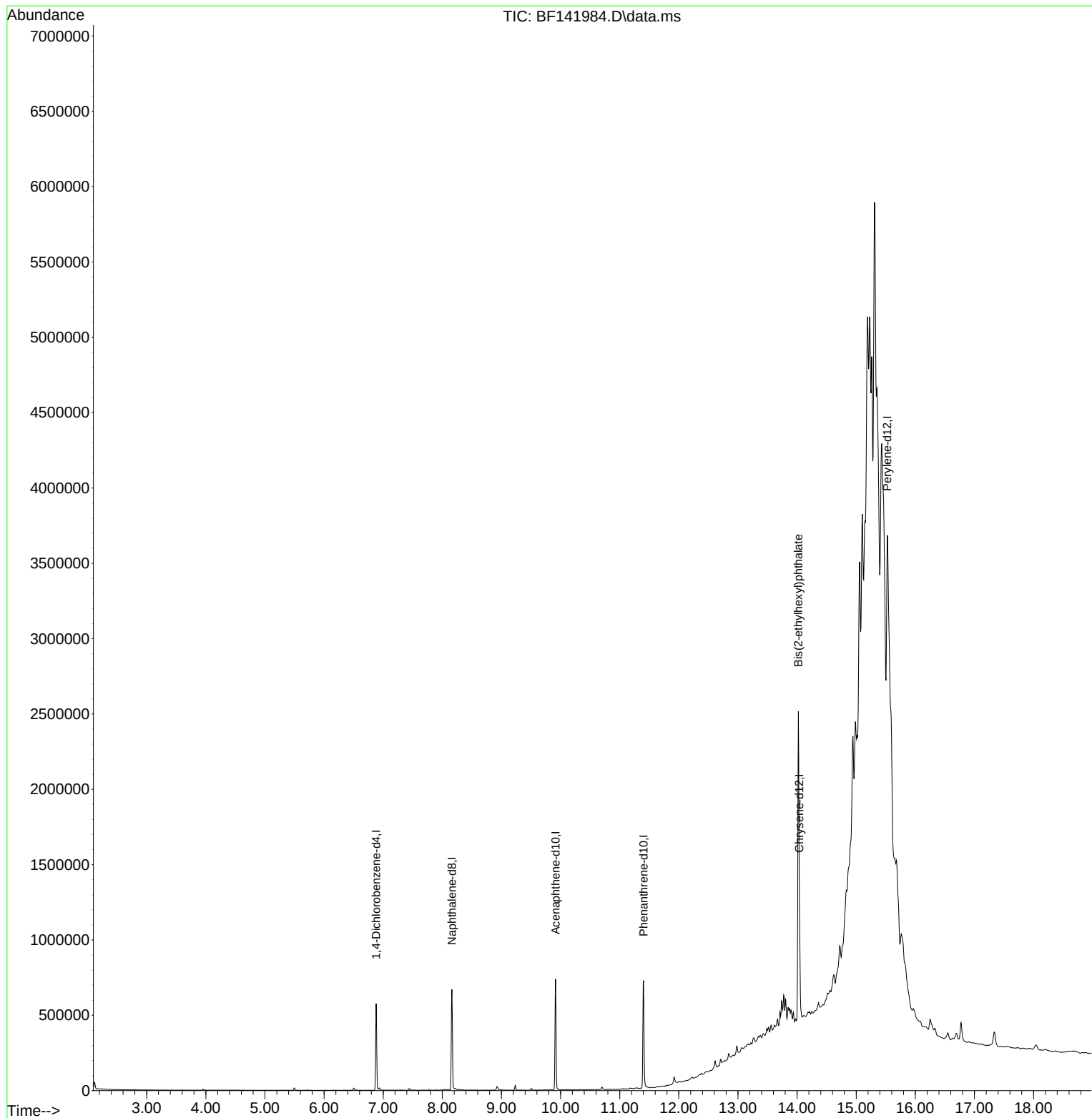
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.881  | 152  | 122353   | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.163  | 136  | 436760   | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.916  | 164  | 216464   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.404 | 188  | 380298   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12              | 14.039 | 240  | 298468   | 20.000 | ng    | 0.00     |
| 86) Perylene-d12              | 15.527 | 264  | 224847   | 20.000 | ng    | 0.02     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.498  | 112  | 8560     | 1.168  | ng    | 0.00     |
| 7) Phenol-d6                  | 6.504  | 99   | 10016    | 1.073  | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.439  | 82   | 6872     | 0.885  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.704 | 330  | 2928     | 1.066  | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.233  | 172  | 14955    | 1.051  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.986 | 244  | 20958    | 1.038  | ng    | 0.00     |
| Target Compounds              |        |      |          |        |       | Qvalue   |
| 84) Bis(2-ethylhexyl)phtha... | 14.021 | 149  | 833555   | 59.827 | ng    | 100      |

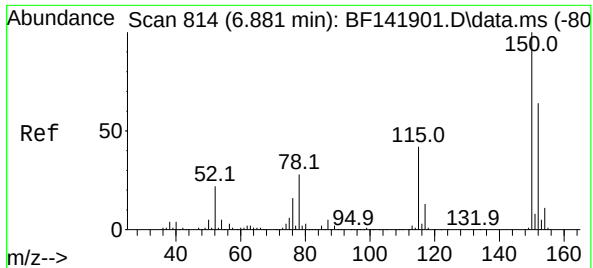
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF031725\  
Data File : BF141984.D  
Acq On : 17 Mar 2025 17:00  
Operator : RC/JU  
Sample : Q1574-01DL 25X  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
WC1DL

Quant Time: Mar 17 17:40:01 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF031025.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Mar 10 15:46:22 2025  
Response via : Initial Calibration

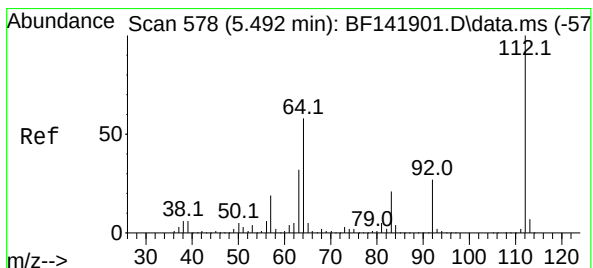
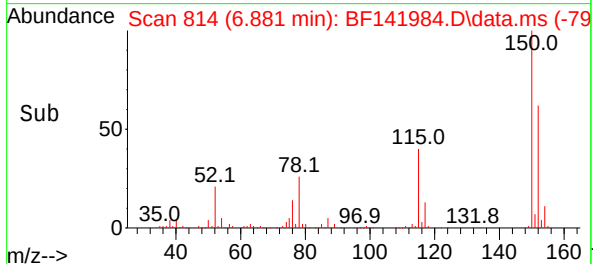
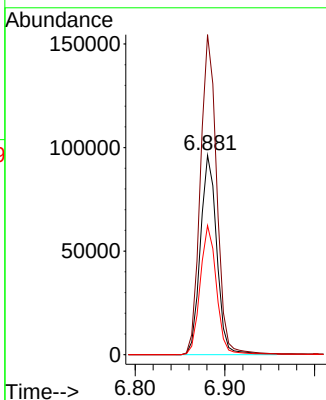
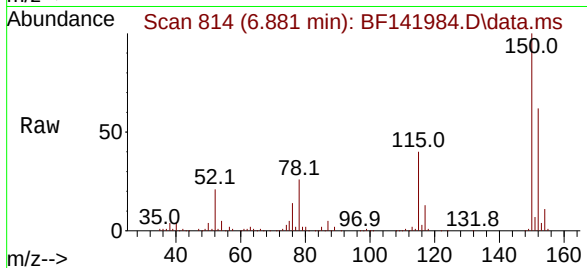




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.881 min Scan# 814  
Delta R.T. -0.000 min  
Lab File: BF141984.D  
Acq: 17 Mar 2025 17:00

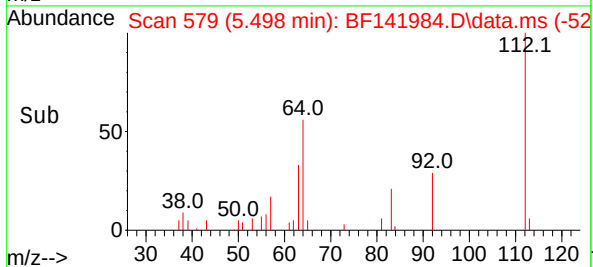
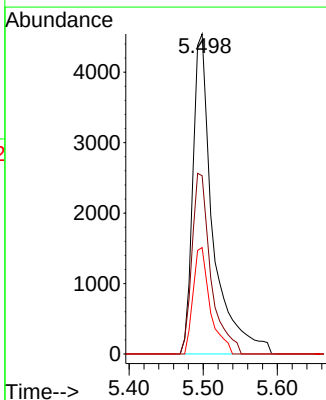
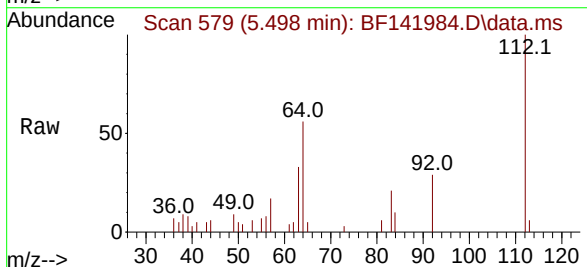
Instrument :  
BNA\_F  
ClientSampleId :  
WC1DL

Tgt Ion:152 Resp: 122353  
Ion Ratio Lower Upper  
152 100  
150 160.5 127.4 191.2  
115 64.7 51.9 77.9

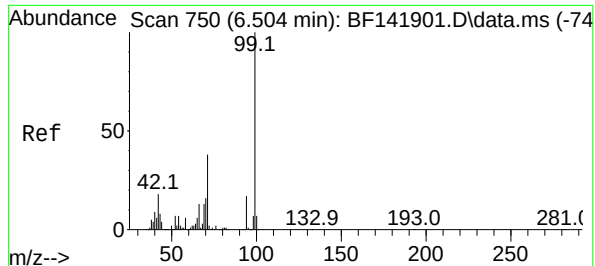


#5  
2-Fluorophenol  
Concen: 1.168 ng  
RT: 5.498 min Scan# 579  
Delta R.T. 0.006 min  
Lab File: BF141984.D  
Acq: 17 Mar 2025 17:00

Tgt Ion:112 Resp: 8560  
Ion Ratio Lower Upper  
112 100  
64 55.7 46.5 69.7  
63 33.3 25.4 38.2



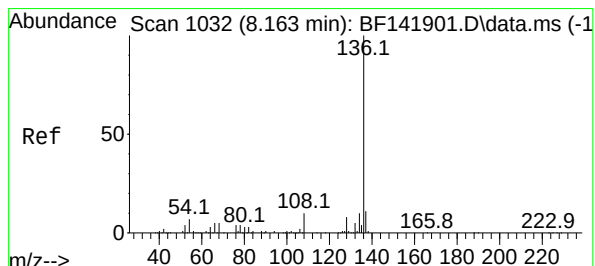
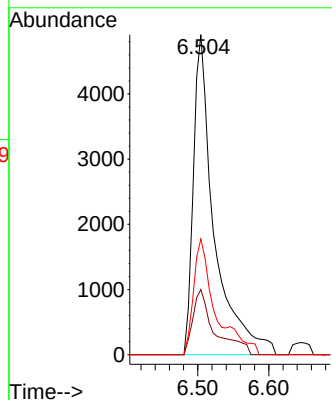
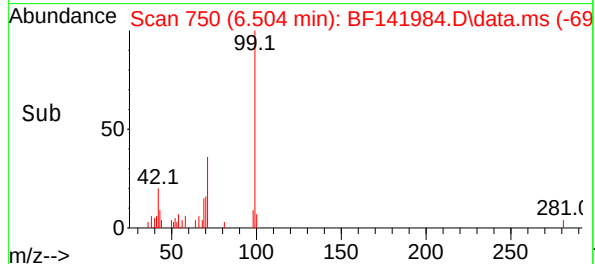
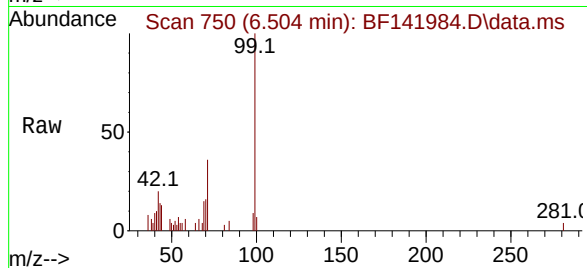




#7  
Phenol-d6  
Concen: 1.073 ng  
RT: 6.504 min Scan# 750  
Delta R.T. 0.000 min  
Lab File: BF141984.D  
Acq: 17 Mar 2025 17:00

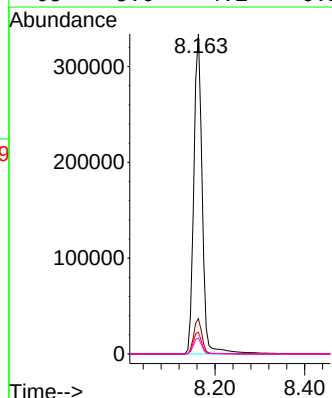
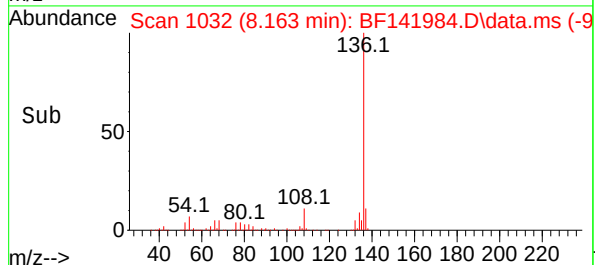
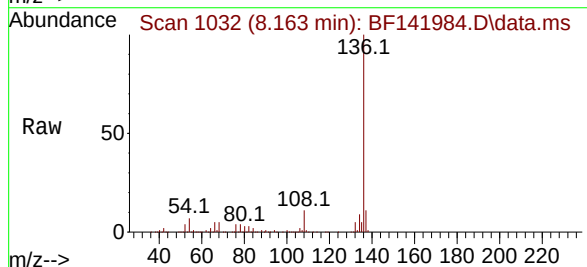
Instrument :  
BNA\_F  
ClientSampleId :  
WC1DL

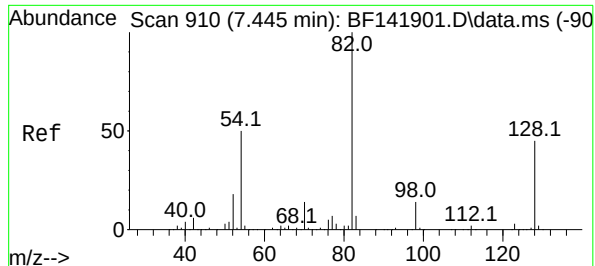
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 99    | Resp: | 10016 |
| Ion Ratio | Lower | Upper |       |
| 99        | 100   |       |       |
| 42        | 20.4  | 14.6  | 21.8  |
| 71        | 36.2  | 30.8  | 46.2  |



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.163 min Scan# 1032  
Delta R.T. -0.000 min  
Lab File: BF141984.D  
Acq: 17 Mar 2025 17:00

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 136   | Resp: | 436760 |
| Ion Ratio | Lower | Upper |        |
| 136       | 100   |       |        |
| 137       | 11.1  | 8.8   | 13.2   |
| 54        | 6.8   | 5.8   | 8.8    |
| 68        | 5.0   | 4.1   | 6.1    |





#23

Nitrobenzene-d5

Concen: 0.885 ng

RT: 7.439 min Scan# 909

Delta R.T. -0.006 min

Lab File: BF141984.D

Acq: 17 Mar 2025 17:00

Instrument :

BNA\_F

ClientSampleId :

WC1DL

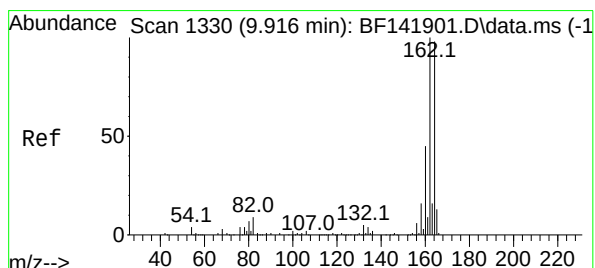
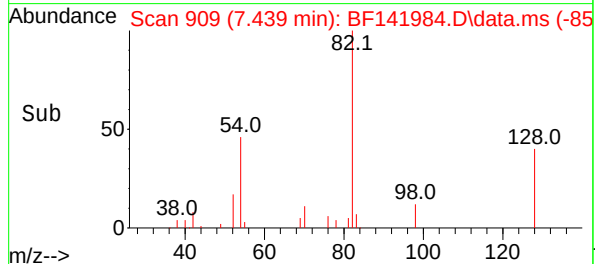
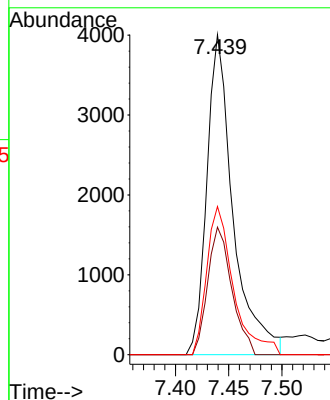
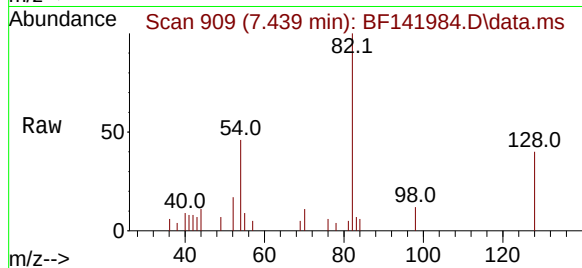
Tgt Ion: 82 Resp: 6872

Ion Ratio Lower Upper

82 100

128 39.9 36.0 54.0

54 46.3 39.6 59.4



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.916 min Scan# 1330

Delta R.T. -0.000 min

Lab File: BF141984.D

Acq: 17 Mar 2025 17:00

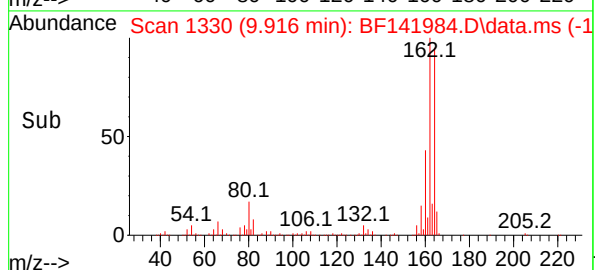
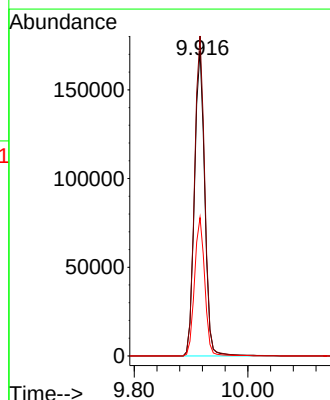
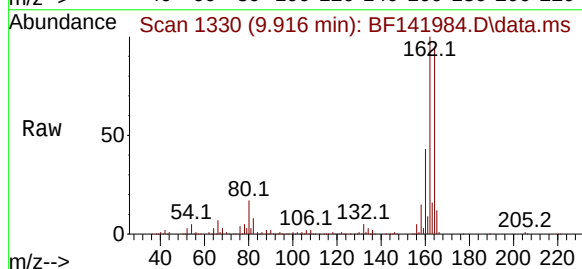
Tgt Ion:164 Resp: 216464

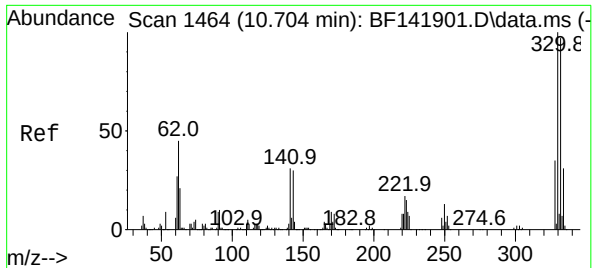
Ion Ratio Lower Upper

164 100

162 104.8 81.8 122.6

160 45.4 36.7 55.1





#42

2,4,6-Tribromophenol

Concen: 1.066 ng

RT: 10.704 min Scan# 1464

Delta R.T. 0.000 min

Lab File: BF141984.D

Acq: 17 Mar 2025 17:00

Instrument :

BNA\_F

ClientSampleId :

WC1DL

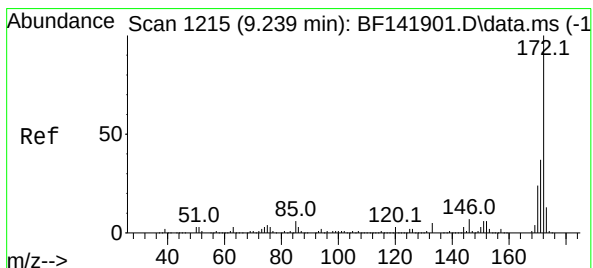
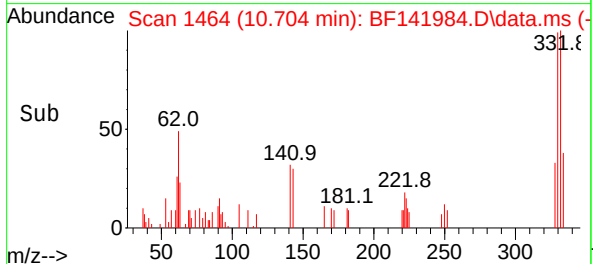
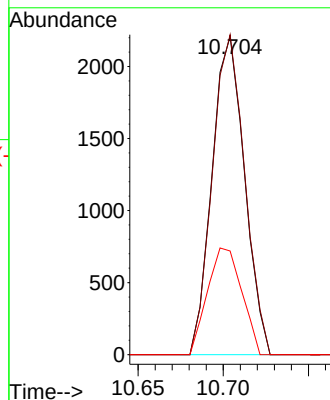
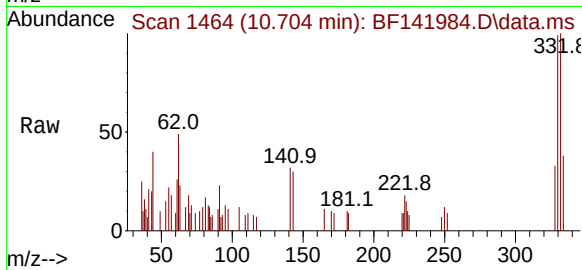
Tgt Ion:330 Resp: 2928

Ion Ratio Lower Upper

330 100

332 100.2 77.6 116.4

141 35.3 24.7 37.1



#45

2-Fluorobiphenyl

Concen: 1.051 ng

RT: 9.233 min Scan# 1214

Delta R.T. -0.006 min

Lab File: BF141984.D

Acq: 17 Mar 2025 17:00

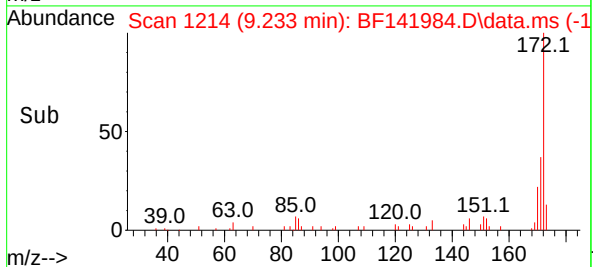
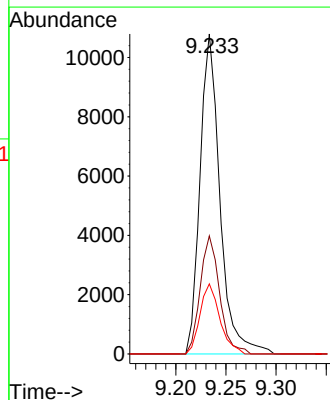
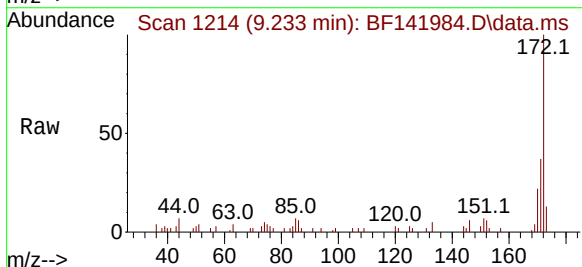
Tgt Ion:172 Resp: 14955

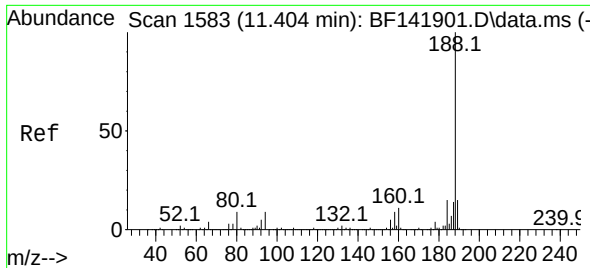
Ion Ratio Lower Upper

172 100

171 36.9 29.3 43.9

170 21.9 19.4 29.0





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.404 min Scan# 1583

Delta R.T. -0.000 min

Lab File: BF141984.D

Acq: 17 Mar 2025 17:00

Instrument :

BNA\_F

ClientSampleId :

WC1DL

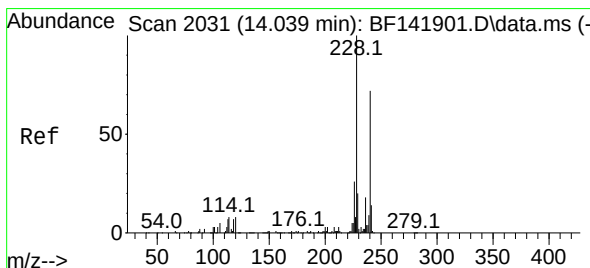
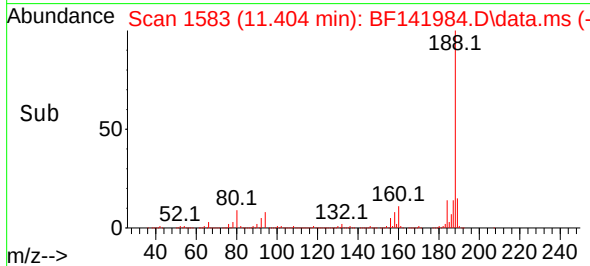
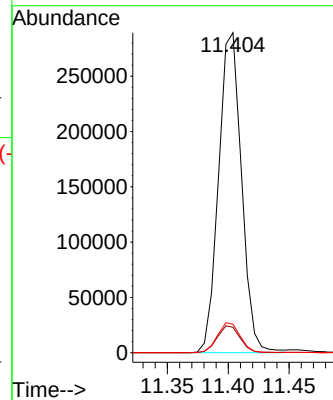
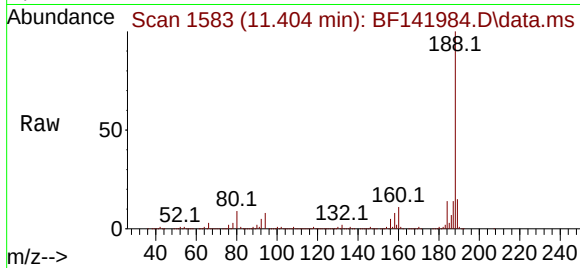
Tgt Ion:188 Resp: 380298

Ion Ratio Lower Upper

188 100

94 7.9 6.8 10.2

80 8.9 7.6 11.4



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.039 min Scan# 2031

Delta R.T. 0.000 min

Lab File: BF141984.D

Acq: 17 Mar 2025 17:00

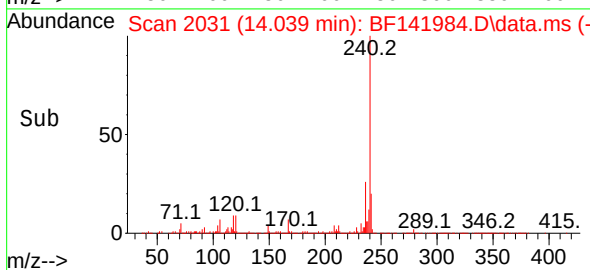
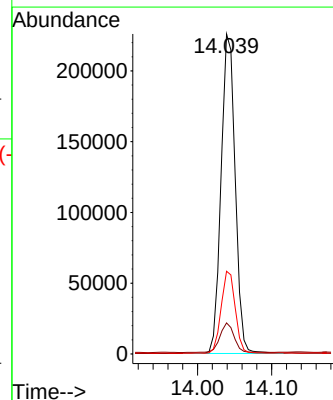
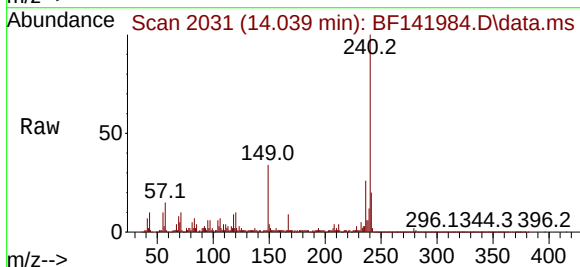
Tgt Ion:240 Resp: 298468

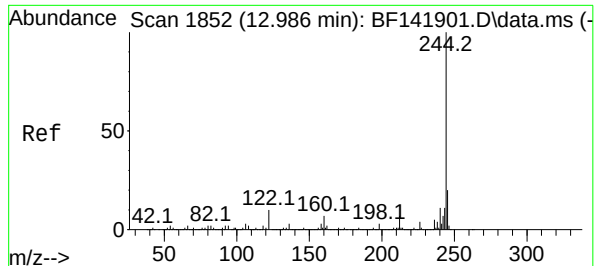
Ion Ratio Lower Upper

240 100

120 9.7 8.4 12.6

236 25.9 20.5 30.7





#79

Terphenyl-d14

Concen: 1.038 ng

RT: 12.986 min Scan# 1852

Delta R.T. 0.000 min

Lab File: BF141984.D

Acq: 17 Mar 2025 17:00

Instrument :

BNA\_F

ClientSampleId :

WC1DL

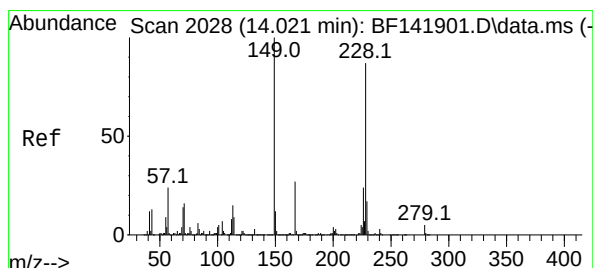
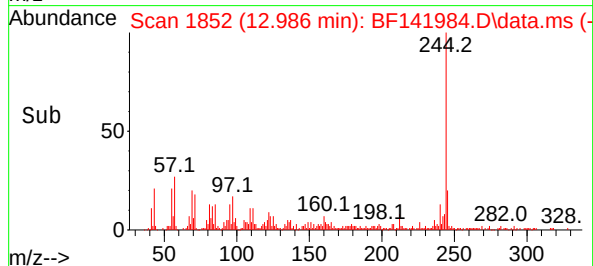
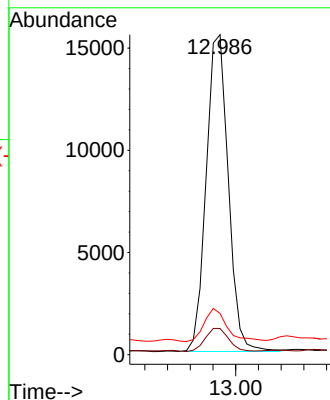
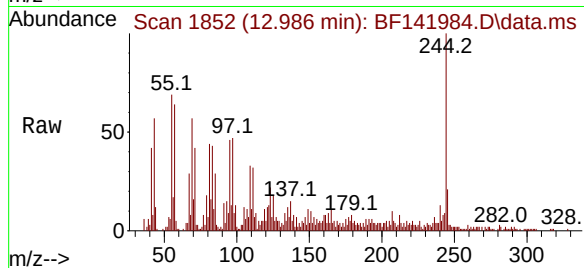
Tgt Ion:244 Resp: 20958

Ion Ratio Lower Upper

244 100

212 8.2 6.0 9.0

122 12.9 7.7 11.5#



#84

Bis(2-ethylhexyl)phthalate

Concen: 59.827 ng

RT: 14.021 min Scan# 2028

Delta R.T. 0.000 min

Lab File: BF141984.D

Acq: 17 Mar 2025 17:00

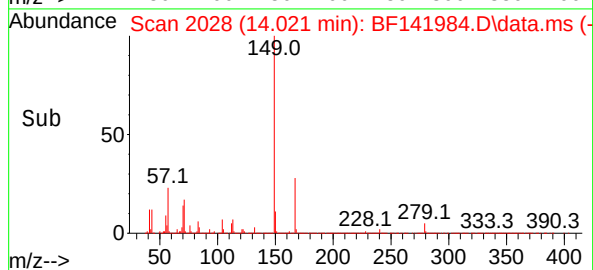
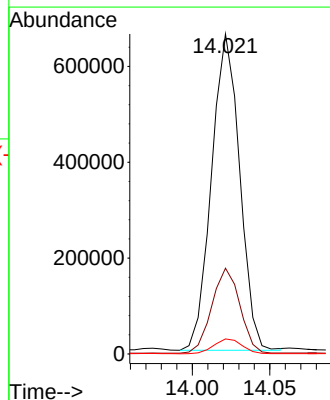
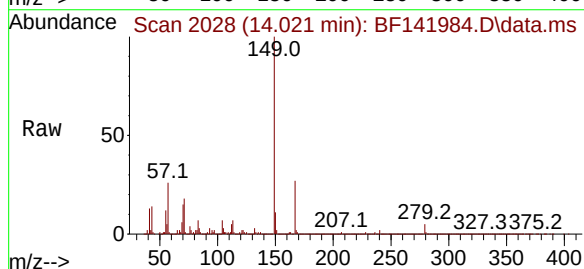
Tgt Ion:149 Resp: 833555

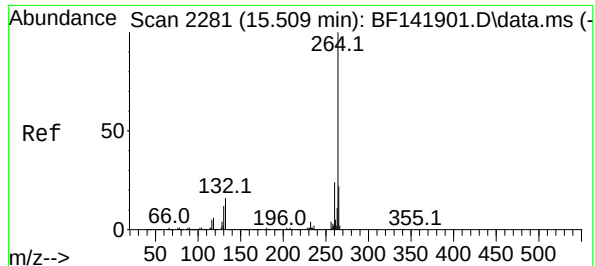
Ion Ratio Lower Upper

149 100

167 26.8 21.4 32.0

279 4.7 3.8 5.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.527 min Scan# 21

Delta R.T. 0.018 min

Lab File: BF141984.D

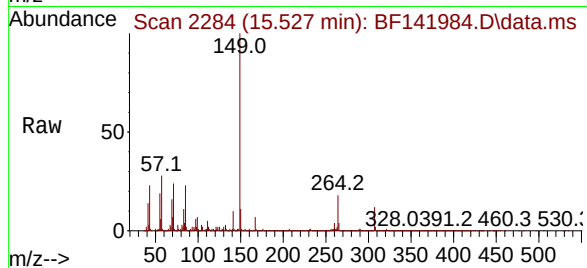
Acq: 17 Mar 2025 17:00

Instrument :

BNA\_F

ClientSampleId :

WC1DL



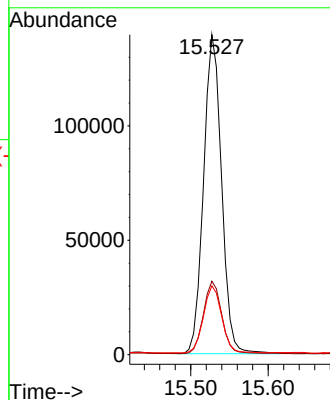
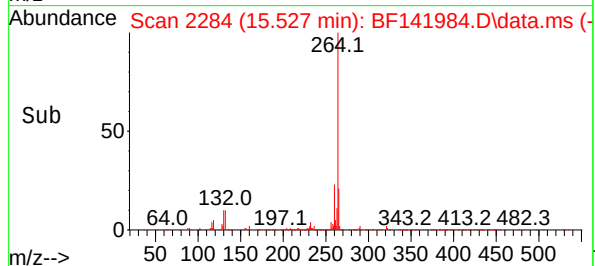
Tgt Ion:264 Resp: 224847

Ion Ratio Lower Upper

264 100

260 22.9 19.1 28.7

265 21.5 17.5 26.3



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP031825\  
Data File : BP024180.D  
Acq On : 18 Mar 2025 10:26  
Operator : RC/JU  
Sample : PB167157BL  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
PB167157BL

A  
B  
C  
D  
E  
F  
G  
H  
I  
J  
K

Quant Time: Mar 18 11:08:48 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP031225.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Mar 13 05:55:58 2025  
Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-----------------------------|--------|------|----------|---------|-------|----------|
| -----                       |        |      |          |         |       |          |
| Internal Standards          |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.769  | 152  | 334055   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.545 | 136  | 1336335  | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 14.404 | 164  | 814855   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 17.204 | 188  | 1550471  | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12            | 21.663 | 240  | 1479758  | 20.000  | ng    | 0.00     |
| 86) Perylene-d12            | 25.051 | 264  | 1571336  | 20.000  | ng    | 0.00     |
| System Monitoring Compounds |        |      |          |         |       |          |
| 5) 2-Fluorophenol           | 5.381  | 112  | 3169610  | 151.460 | ng    | 0.00     |
| 7) Phenol-d6                | 6.946  | 99   | 4016663  | 143.529 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 8.916  | 82   | 2294715  | 96.885  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 15.922 | 330  | 1494177  | 145.573 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 13.010 | 172  | 5406055  | 97.826  | ng    | 0.00     |
| 79) Terphenyl-d14           | 19.933 | 244  | 7903635  | 110.254 | ng    | 0.01     |

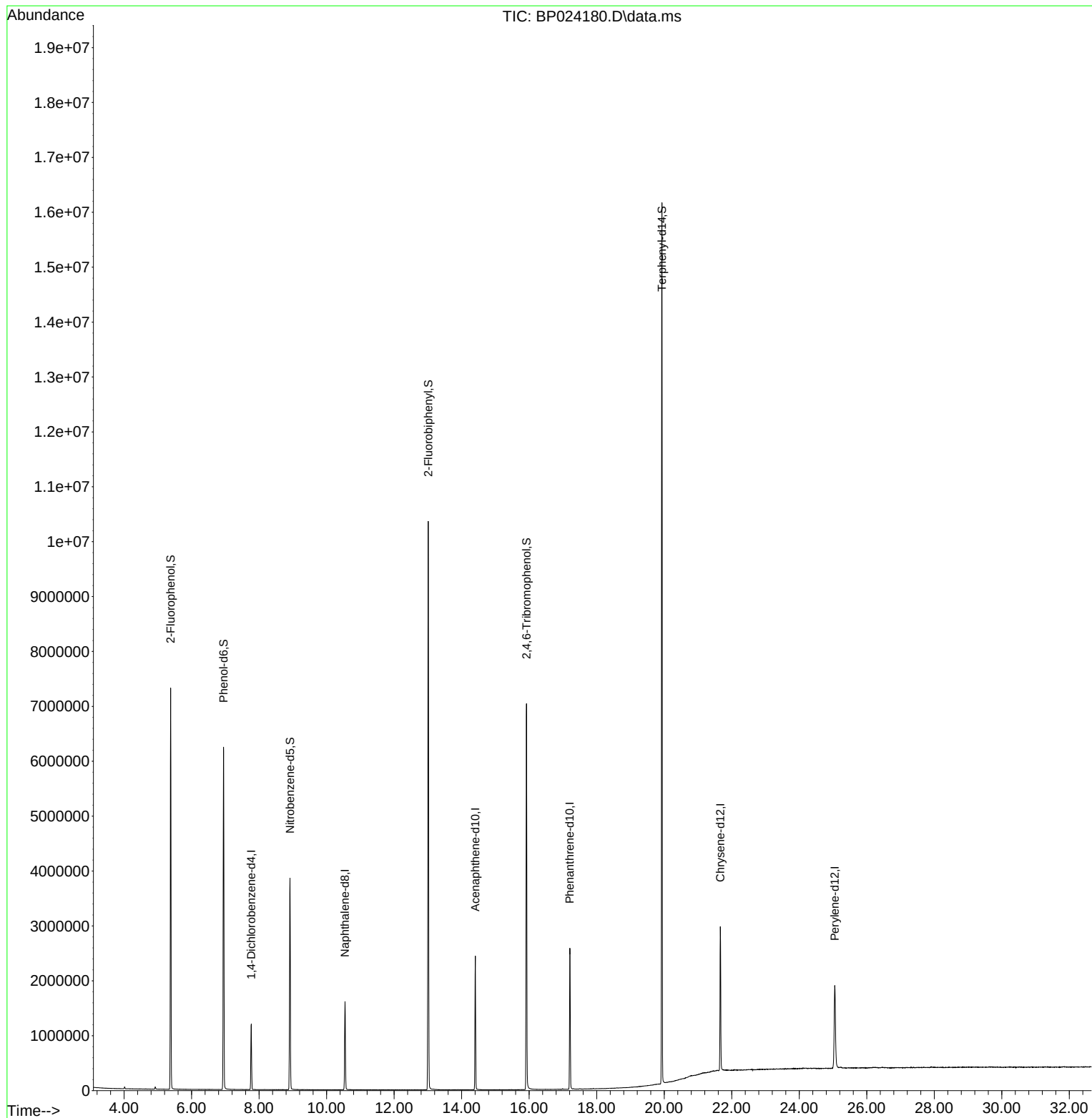
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

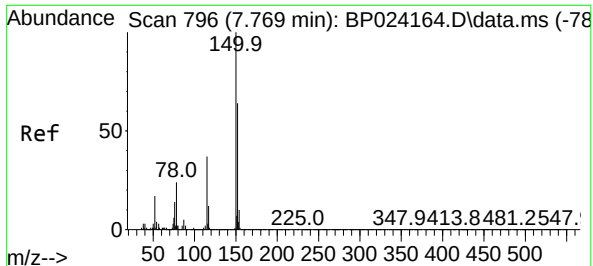
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Data File : BP024180.D  
Acq On : 18 Mar 2025 10:26  
Operator : RC/JU  
Sample : PB167157BL  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
PB167157BL

Quant Time: Mar 18 11:08:48 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP031225.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Mar 13 05:55:58 2025  
Response via : Initial Calibration



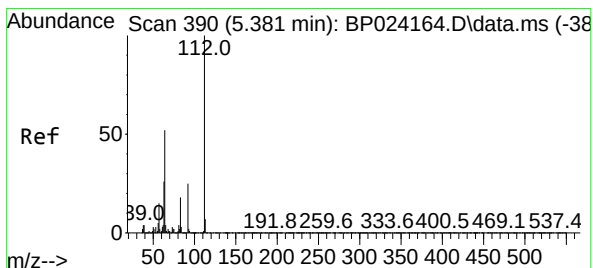
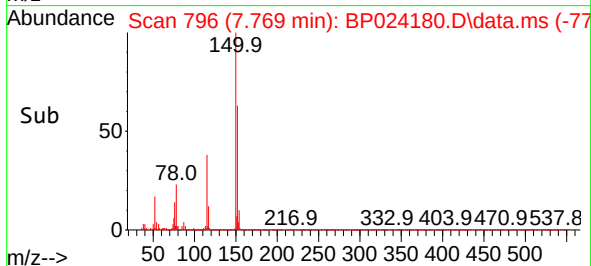
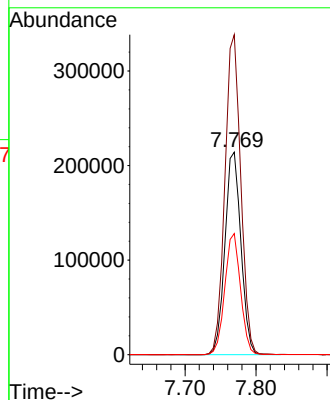
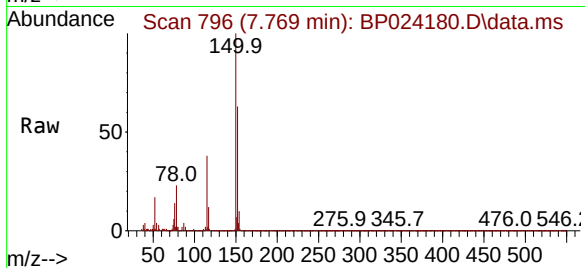




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.769 min Scan# 796  
Delta R.T. 0.000 min  
Lab File: BP024180.D  
Acq: 18 Mar 2025 10:26

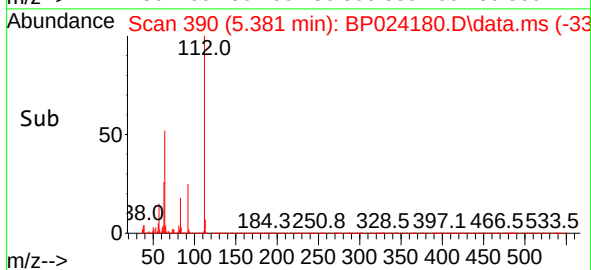
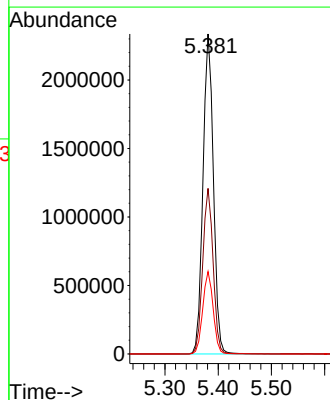
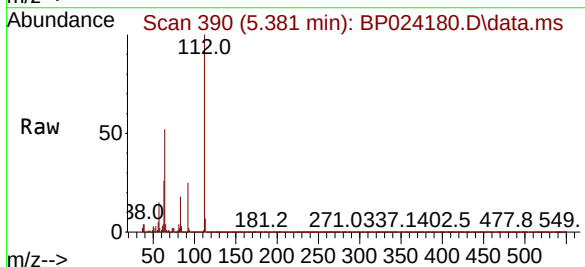
Instrument :  
BNA\_P  
ClientSampleId :  
PB167157BL

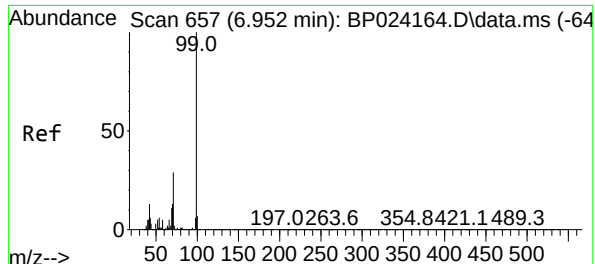
Tgt Ion:152 Resp: 334055  
Ion Ratio Lower Upper  
152 100  
150 157.9 125.5 188.3  
115 59.8 46.3 69.5



#5  
2-Fluorophenol  
Concen: 151.460 ng  
RT: 5.381 min Scan# 390  
Delta R.T. -0.000 min  
Lab File: BP024180.D  
Acq: 18 Mar 2025 10:26

Tgt Ion:112 Resp: 3169610  
Ion Ratio Lower Upper  
112 100  
64 51.8 41.3 61.9  
63 25.8 20.6 31.0

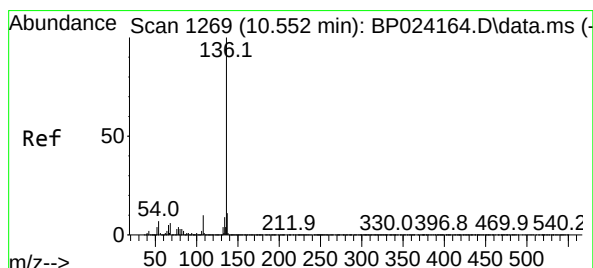
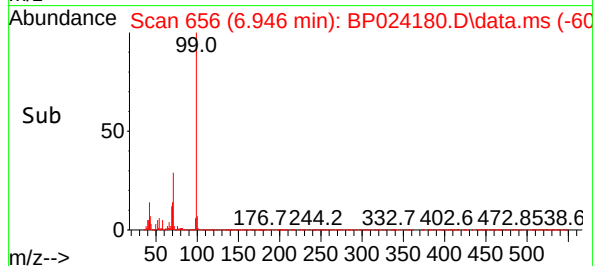
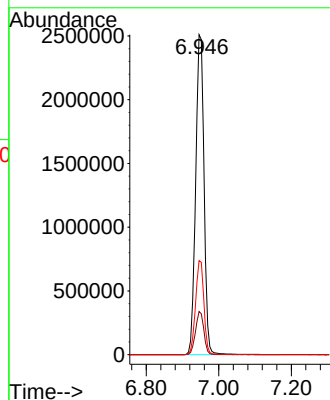
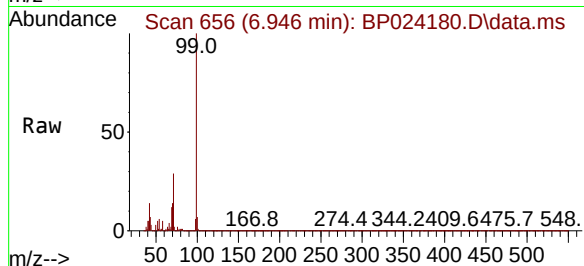




#7  
Phenol-d6  
Concen: 143.529 ng  
RT: 6.946 min Scan# 61  
Delta R.T. -0.006 min  
Lab File: BP024180.D  
Acq: 18 Mar 2025 10:26

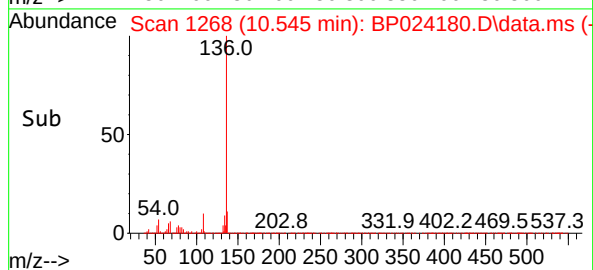
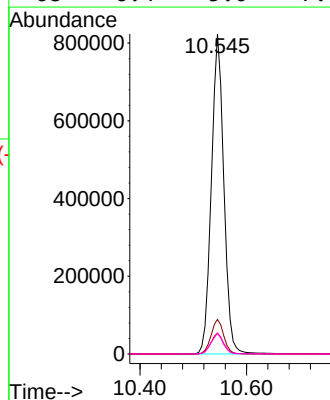
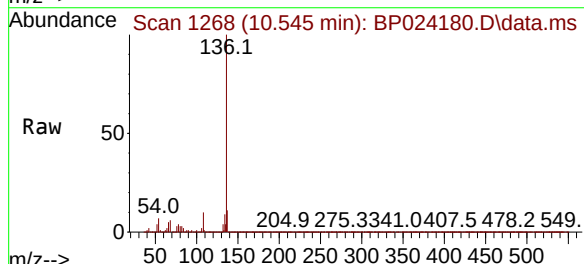
Instrument :  
BNA\_P  
ClientSampleId :  
PB167157BL

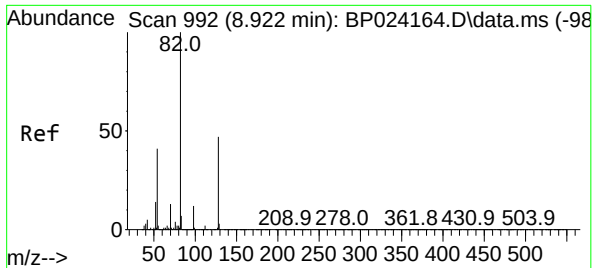
Tgt Ion: 99 Resp: 4016663  
Ion Ratio Lower Upper  
99 100  
42 13.5 10.6 16.0  
71 29.4 23.3 34.9



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.545 min Scan# 1268  
Delta R.T. -0.006 min  
Lab File: BP024180.D  
Acq: 18 Mar 2025 10:26

Tgt Ion:136 Resp: 1336335  
Ion Ratio Lower Upper  
136 100  
137 10.8 9.0 13.4  
54 6.5 5.3 7.9  
68 6.4 5.0 7.4





#23

Nitrobenzene-d5

Concen: 96.885 ng

RT: 8.916 min Scan# 991

Delta R.T. -0.006 min

Lab File: BP024180.D

Acq: 18 Mar 2025 10:26

Instrument :

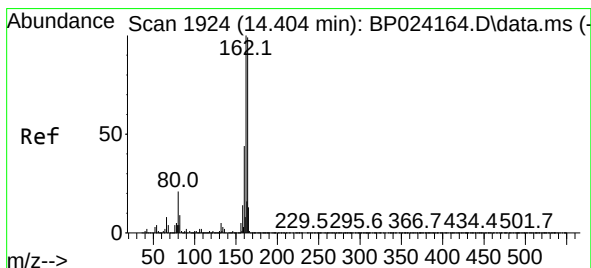
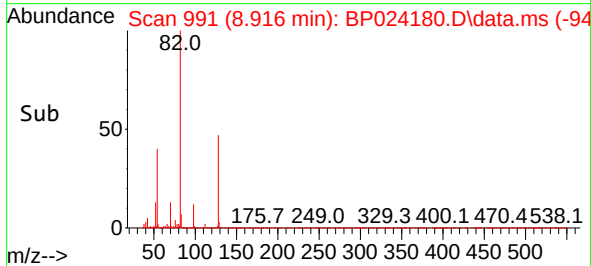
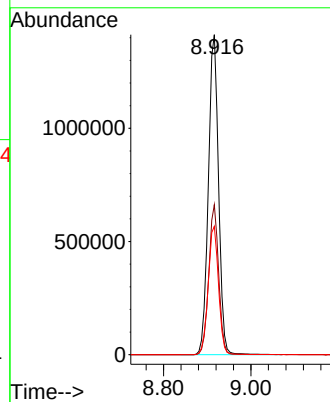
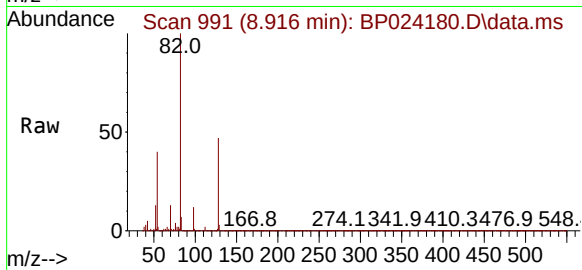
BNA\_P

ClientSampleId :

PB167157BL

Tgt Ion: 82 Resp: 2294715

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 46.9  | 37.4  | 56.0  |
| 54  | 40.1  | 32.5  | 48.7  |



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.404 min Scan# 1924

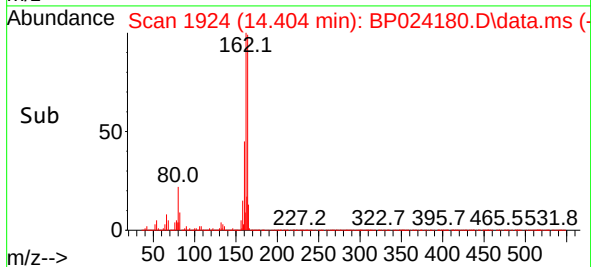
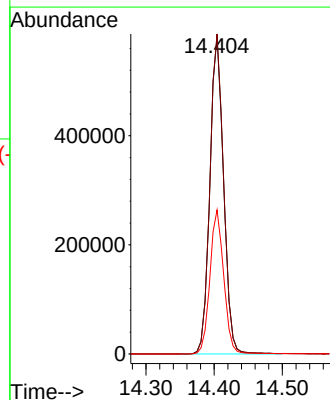
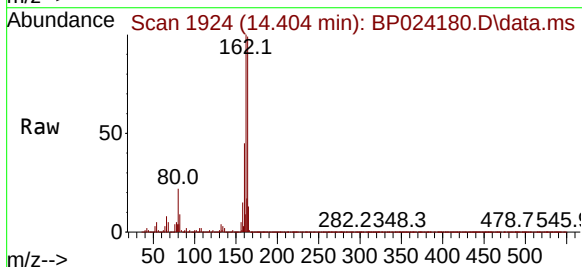
Delta R.T. -0.000 min

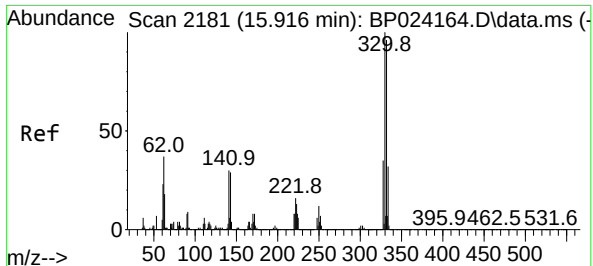
Lab File: BP024180.D

Acq: 18 Mar 2025 10:26

Tgt Ion: 164 Resp: 814855

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 162 | 100.8 | 80.6  | 121.0 |
| 160 | 45.4  | 35.4  | 53.2  |

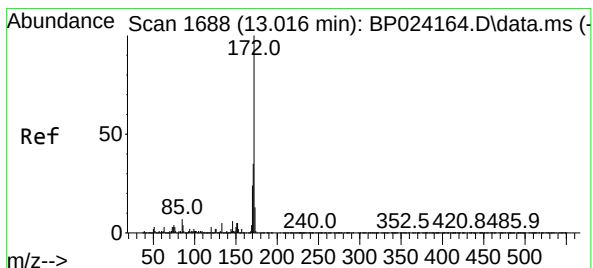
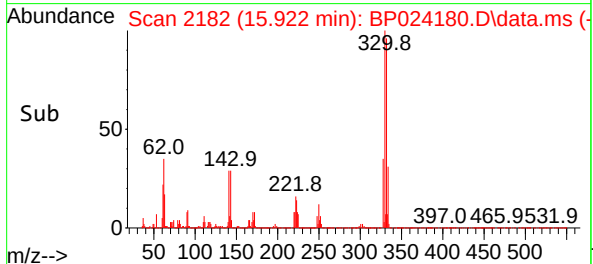
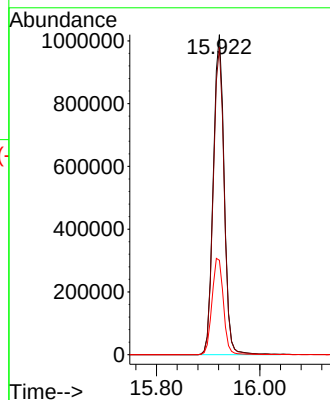
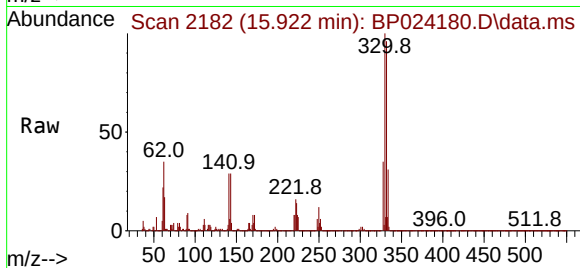




#42  
2,4,6-Tribromophenol  
Concen: 145.573 ng  
RT: 15.922 min Scan# 2181  
Delta R.T. 0.006 min  
Lab File: BP024180.D  
Acq: 18 Mar 2025 10:26

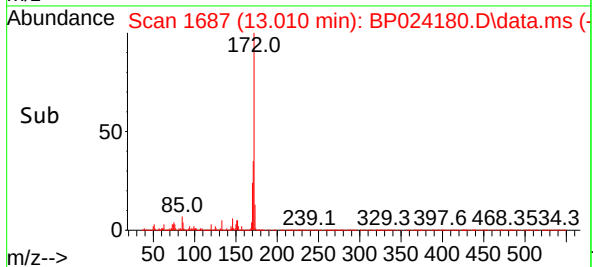
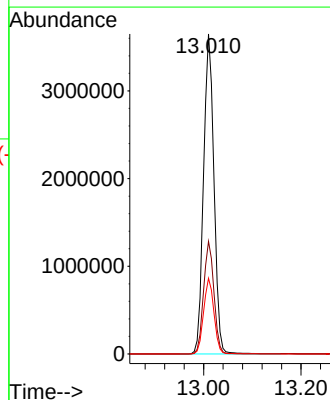
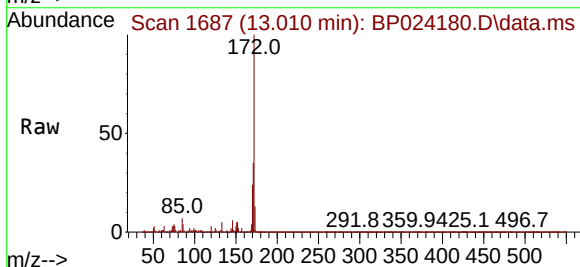
Instrument :  
BNA\_P  
ClientSampleId :  
PB167157BL

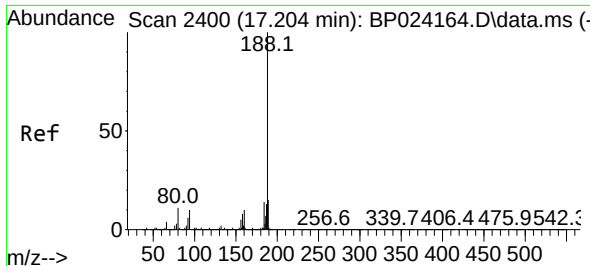
Tgt Ion:330 Resp: 1494177  
Ion Ratio Lower Upper  
330 100  
332 96.2 77.6 116.4  
141 31.6 25.0 37.6



#45  
2-Fluorobiphenyl  
Concen: 97.826 ng  
RT: 13.010 min Scan# 1687  
Delta R.T. -0.006 min  
Lab File: BP024180.D  
Acq: 18 Mar 2025 10:26

Tgt Ion:172 Resp: 5406055  
Ion Ratio Lower Upper  
172 100  
171 35.2 28.3 42.5  
170 23.6 19.0 28.4

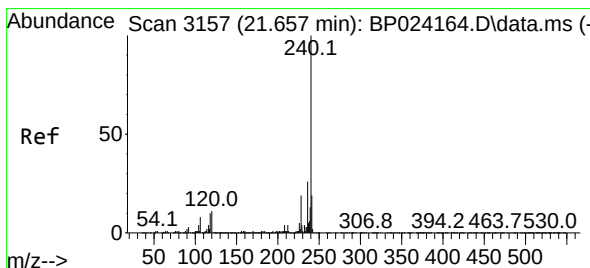
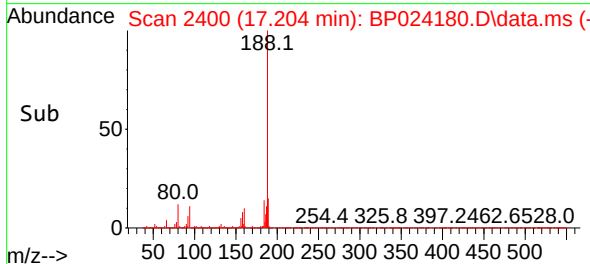
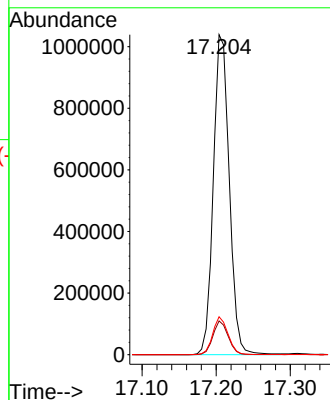
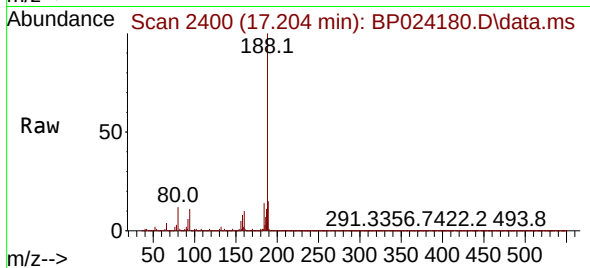




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.204 min Scan# 2400  
Delta R.T. -0.000 min  
Lab File: BP024180.D  
Acq: 18 Mar 2025 10:26

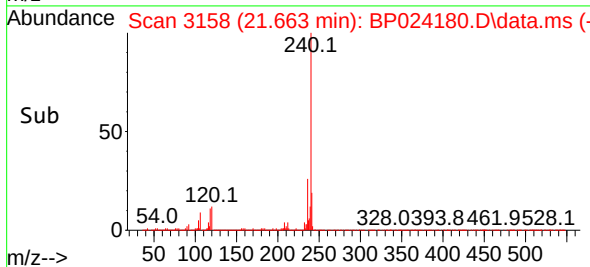
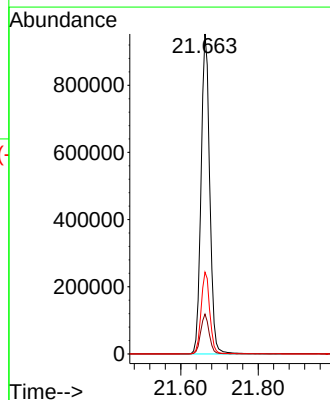
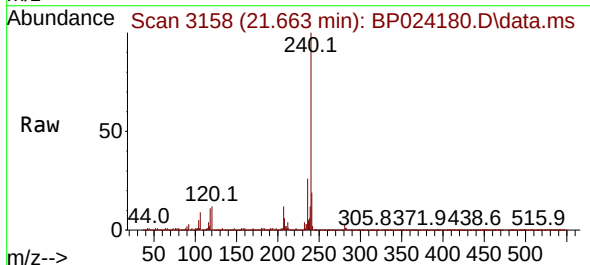
Instrument :  
BNA\_P  
ClientSampleId :  
PB167157BL

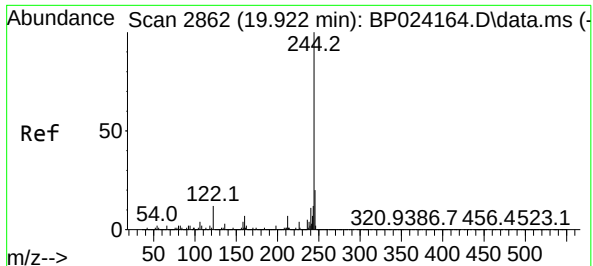
Tgt Ion:188 Resp: 1550471  
Ion Ratio Lower Upper  
188 100  
94 10.5 8.1 12.1  
80 11.9 8.9 13.3



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.663 min Scan# 3158  
Delta R.T. 0.006 min  
Lab File: BP024180.D  
Acq: 18 Mar 2025 10:26

Tgt Ion:240 Resp: 1479758  
Ion Ratio Lower Upper  
240 100  
120 12.5 9.2 13.8  
236 25.6 20.4 30.6





#79

Terphenyl-d14

Concen: 110.254 ng

RT: 19.933 min Scan# 21

Delta R.T. 0.012 min

Lab File: BP024180.D

Acq: 18 Mar 2025 10:26

Instrument :

BNA\_P

ClientSampleId :

PB167157BL

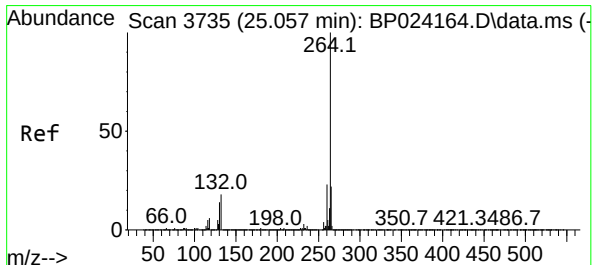
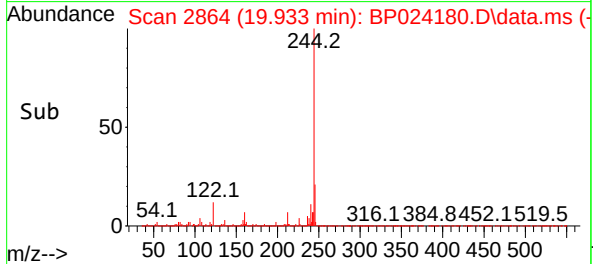
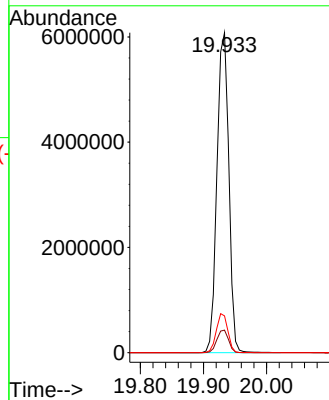
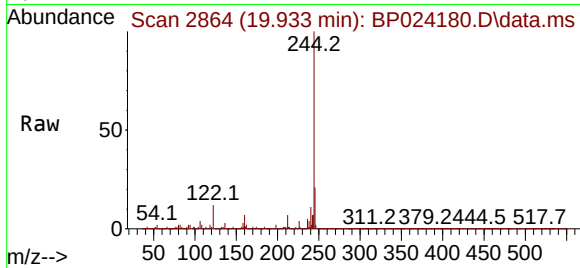
Tgt Ion:244 Resp: 7903635

Ion Ratio Lower Upper

244 100

212 7.0 5.7 8.5

122 11.5 9.6 14.4



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.051 min Scan# 3734

Delta R.T. -0.006 min

Lab File: BP024180.D

Acq: 18 Mar 2025 10:26

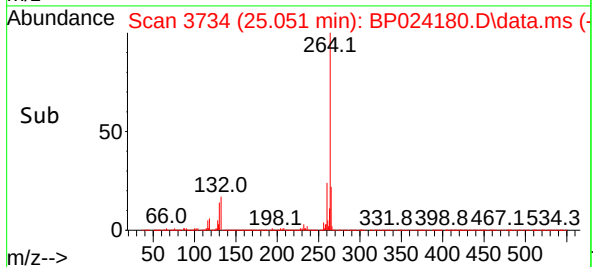
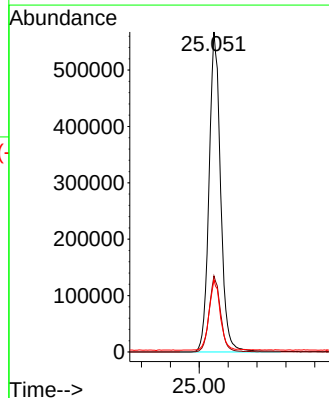
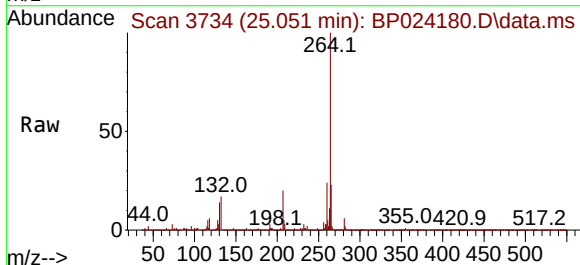
Tgt Ion:264 Resp: 1571336

Ion Ratio Lower Upper

264 100

260 23.7 18.5 27.7

265 22.5 17.7 26.5



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP031825\  
Data File : BP024180.D  
Acq On : 18 Mar 2025 10:26  
Operator : RC/JU  
Sample : PB167157BL  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
PB167157BL

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Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP031225.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP024180.D\data.ms

| peak<br># | R.T.<br>min | first<br>scan | max<br>scan | last<br>scan | PK<br>TY | peak<br>height | corr.<br>area | corr.<br>% max. | % of<br>total |
|-----------|-------------|---------------|-------------|--------------|----------|----------------|---------------|-----------------|---------------|
| 1         | 5.381       | 383           | 390         | 407          | rBV      | 7311118        | 9918018       | 47.31%          | 10.613%       |
| 2         | 6.946       | 648           | 656         | 675          | rBV      | 6239505        | 10106661      | 48.20%          | 10.815%       |
| 3         | 7.769       | 788           | 796         | 805          | rBV      | 1195498        | 1873988       | 8.94%           | 2.005%        |
| 4         | 8.916       | 982           | 991         | 1010         | rBV      | 3855737        | 6296564       | 30.03%          | 6.738%        |
| 5         | 10.545      | 1259          | 1268        | 1287         | rBV      | 1609048        | 2635931       | 12.57%          | 2.821%        |
| 6         | 13.010      | 1679          | 1687        | 1705         | rBV      | 10358179       | 15342918      | 73.18%          | 16.418%       |
| 7         | 14.404      | 1917          | 1924        | 1945         | rBV      | 2438301        | 3463550       | 16.52%          | 3.706%        |
| 8         | 15.922      | 2174          | 2182        | 2208         | rBV      | 7031691        | 10863307      | 51.81%          | 11.625%       |
| 9         | 17.204      | 2394          | 2400        | 2413         | rBV2     | 2569310        | 3851215       | 18.37%          | 4.121%        |
| 10        | 19.933      | 2858          | 2864        | 2878         | rBV      | 16041623       | 20966090      | 100.00%         | 22.435%       |
| 11        | 21.663      | 3152          | 3158        | 3170         | rBV2     | 2620829        | 4042822       | 19.28%          | 4.326%        |
| 12        | 25.051      | 3726          | 3734        | 3751         | rVB      | 1494967        | 4090303       | 19.51%          | 4.377%        |

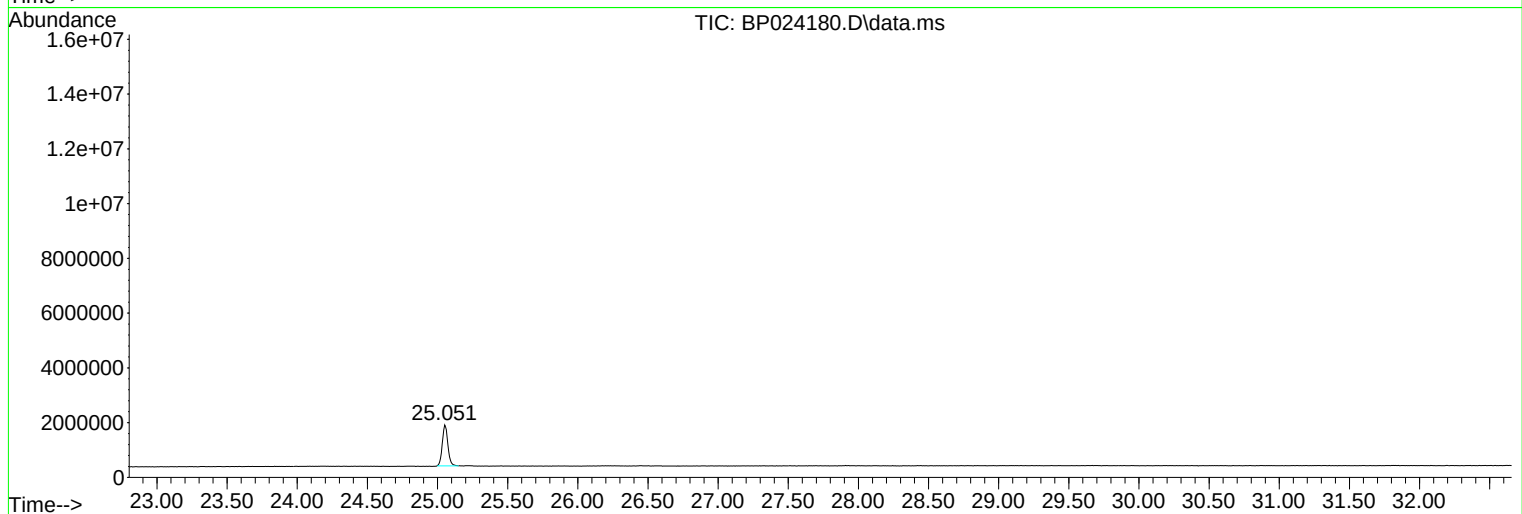
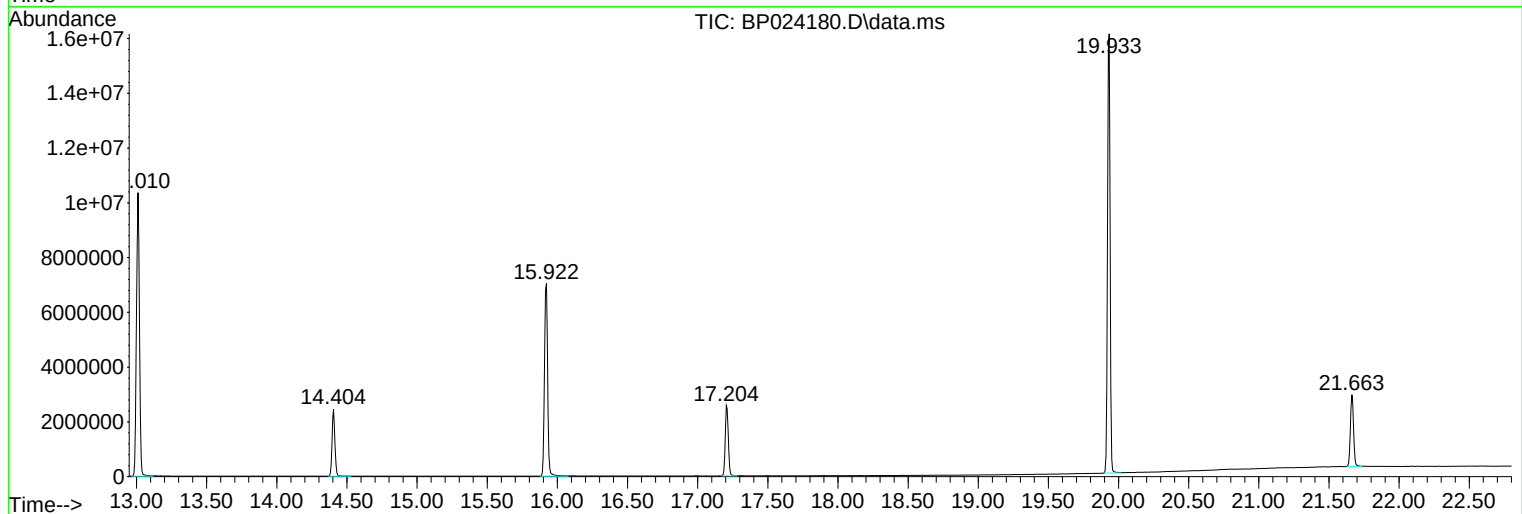
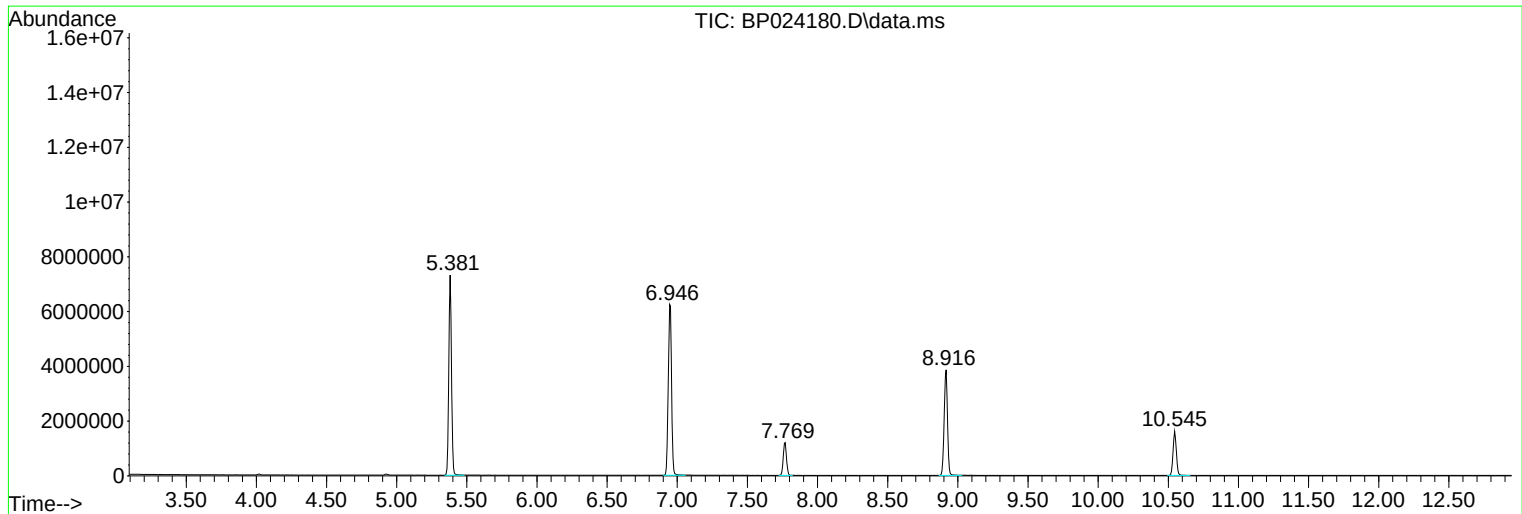
Sum of corrected areas: 93451367

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP031825\  
Data File : BP024180.D  
Acq On : 18 Mar 2025 10:26  
Operator : RC/JU  
Sample : PB167157BL  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
PB167157BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP031225.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P



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Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP031825\  
Data File : BP024180.D  
Acq On : 18 Mar 2025 10:26  
Operator : RC/JU  
Sample : PB167157BL  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
PB167157BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP031225.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected

\*\*\*\*\*

A

B

C

D

E

F

G

H

I

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K

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP031825\  
Data File : BP024180.D  
Acq On : 18 Mar 2025 10:26  
Operator : RC/JU  
Sample : PB167157BL  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
PB167157BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP031225.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |
|------------------|----|---------|-------|----------|---|----|------|------|
|------------------|----|---------|-------|----------|---|----|------|------|

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Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP031825\  
 Data File : BP024181.D  
 Acq On : 18 Mar 2025 11:07  
 Operator : RC/JU  
 Sample : PB167157BS  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 PB167157BS

Quant Time: Mar 18 11:49:46 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP031225.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Mar 13 05:55:58 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.769  | 152  | 330651   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.552 | 136  | 1324493  | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.404 | 164  | 810278   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.210 | 188  | 1519988  | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 21.669 | 240  | 1650496  | 20.000  | ng    | 0.01     |
| 86) Perylene-d12              | 25.057 | 264  | 1679154  | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.387  | 112  | 3239471  | 156.392 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.952  | 99   | 4090305  | 147.666 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 8.922  | 82   | 2336787  | 99.543  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 15.922 | 330  | 1567625  | 153.591 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.010 | 172  | 5302619  | 96.496  | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.928 | 244  | 8176573  | 102.262 | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.323  | 88   | 354433   | 43.167  | ng    | 98       |
| 3) Pyridine                   | 3.711  | 79   | 860358   | 38.330  | ng    | 98       |
| 4) n-Nitrosodimethylamine     | 3.623  | 42   | 337476   | 45.008  | ng    | 100      |
| 6) Aniline                    | 7.105  | 93   | 958876   | 37.995  | ng    | 98       |
| 8) 2-Chlorophenol             | 7.346  | 128  | 1045957  | 46.749  | ng    | 99       |
| 9) Benzaldehyde               | 6.922  | 77   | 287327   | 21.495  | ng    | 98       |
| 10) Phenol                    | 6.981  | 94   | 1345578  | 48.120  | ng    | 99       |
| 11) bis(2-Chloroethyl)ether   | 7.199  | 93   | 994704   | 45.108  | ng    | 99       |
| 12) 1,3-Dichlorobenzene       | 7.664  | 146  | 1085042  | 44.971  | ng    | 99       |
| 13) 1,4-Dichlorobenzene       | 7.805  | 146  | 1106186  | 44.903  | ng    | 99       |
| 14) 1,2-Dichlorobenzene       | 8.122  | 146  | 1066355  | 45.107  | ng    | 100      |
| 15) Benzyl Alcohol            | 8.011  | 79   | 835938   | 47.668  | ng    | 99       |
| 16) 2,2'-oxybis(1-Chloropr... | 8.287  | 45   | 1064591  | 47.302  | ng    | 97       |
| 17) 2-Methylphenol            | 8.216  | 107  | 862973   | 49.214  | ng    | 100      |
| 18) Hexachloroethane          | 8.846  | 117  | 397431   | 45.472  | ng    | 98       |
| 19) n-Nitroso-di-n-propyla... | 8.569  | 70   | 722828   | 44.980  | ng    | 98       |
| 20) 3+4-Methylphenols         | 8.540  | 107  | 1165885  | 48.396  | ng    | 99       |
| 22) Acetophenone              | 8.587  | 105  | 1658596  | 49.531  | ng    | # 99     |
| 24) Nitrobenzene              | 8.963  | 77   | 1074581  | 46.402  | ng    | 99       |
| 25) Isophorone                | 9.487  | 82   | 1941355  | 48.244  | ng    | 99       |
| 26) 2-Nitrophenol             | 9.669  | 139  | 504613   | 45.617  | ng    | 99       |
| 27) 2,4-Dimethylphenol        | 9.728  | 122  | 872998   | 61.374  | ng    | 99       |
| 28) bis(2-Chloroethoxy)met... | 9.957  | 93   | 1286717  | 45.452  | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 10.199 | 162  | 921412   | 47.885  | ng    | 99       |
| 30) 1,2,4-Trichlorobenzene    | 10.410 | 180  | 939033   | 44.170  | ng    | 99       |
| 31) Naphthalene               | 10.599 | 128  | 3065402  | 43.661  | ng    | 100      |
| 32) Benzoic acid              | 9.875  | 122  | 699058   | 50.392  | ng    | 100      |
| 33) 4-Chloroaniline           | 10.710 | 127  | 623657   | 24.821  | ng    | 99       |
| 34) Hexachlorobutadiene       | 10.887 | 225  | 544411   | 44.496  | ng    | 99       |
| 35) Caprolactam               | 11.499 | 113  | 333823   | 52.934  | ng    | 95       |
| 36) 4-Chloro-3-methylphenol   | 11.840 | 107  | 977487   | 47.090  | ng    | 98       |
| 37) 2-Methylnaphthalene       | 12.210 | 142  | 2042388  | 43.059  | ng    | 99       |
| 38) 1-Methylnaphthalene       | 12.434 | 142  | 2002912  | 43.415  | ng    | 100      |
| 40) 1,2,4,5-Tetrachloroben... | 12.581 | 216  | 1147800  | 49.004  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 12.563 | 237  | 1373213  | 162.644 | ng    | 99       |
| 43) 2,4,6-Trichlorophenol     | 12.822 | 196  | 695273   | 46.708  | ng    | 100      |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP031825\  
 Data File : BP024181.D  
 Acq On : 18 Mar 2025 11:07  
 Operator : RC/JU  
 Sample : PB167157BS  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 PB167157BS

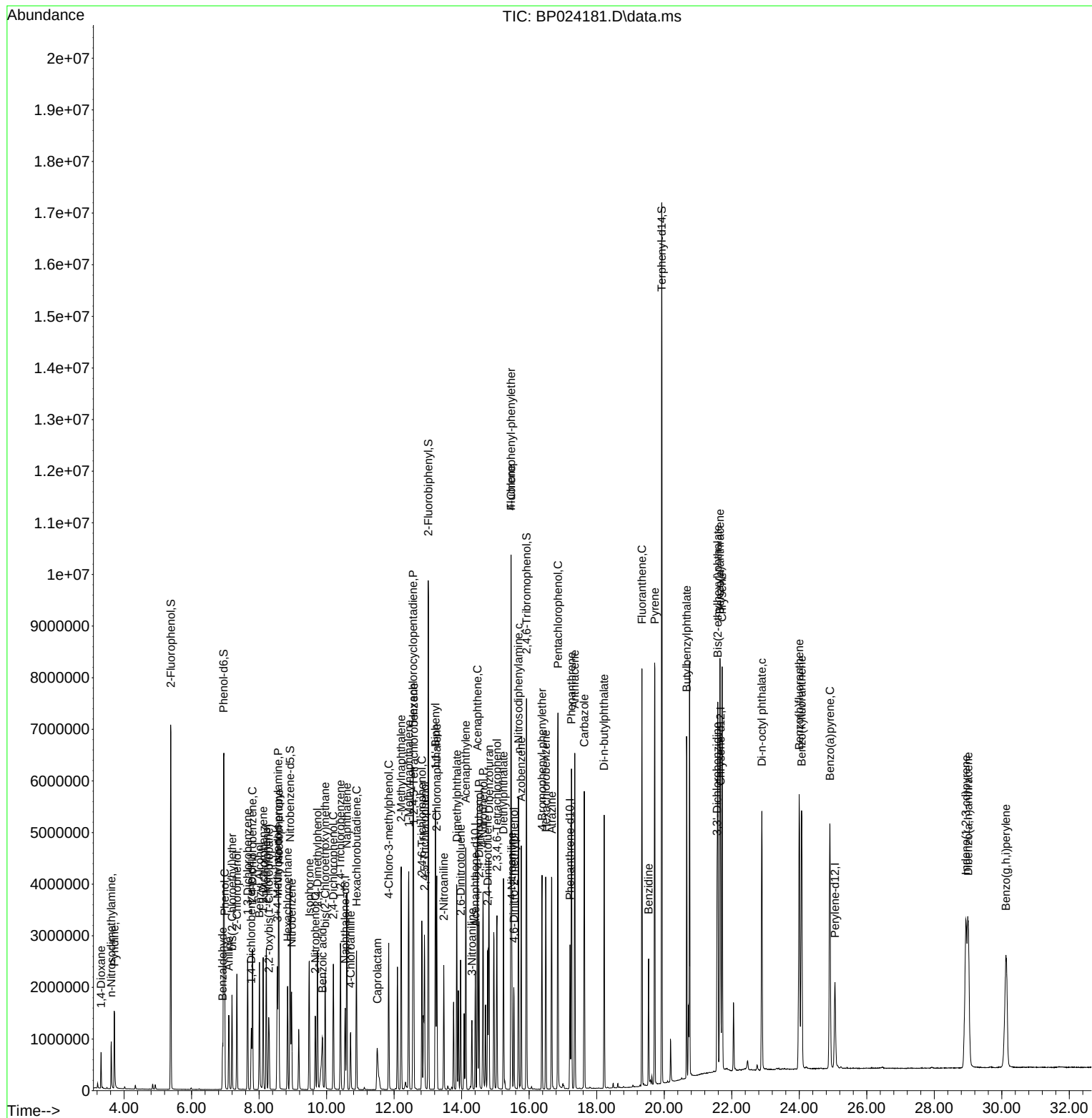
Quant Time: Mar 18 11:49:46 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP031225.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Mar 13 05:55:58 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 12.899 | 196  | 780193   | 47.792  | ng    | 100      |
| 46) 1,1'-Biphenyl             | 13.228 | 154  | 2970132  | 48.780  | ng    | 100      |
| 47) 2-Chloronaphthalene       | 13.263 | 162  | 2065291  | 45.095  | ng    | 98       |
| 48) 2-Nitroaniline            | 13.469 | 65   | 578402   | 49.377  | ng    | 96       |
| 49) Acenaphthylene            | 14.122 | 152  | 3327135  | 48.011  | ng    | 100      |
| 50) Dimethylphthalate         | 13.857 | 163  | 2540405  | 44.807  | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 13.969 | 165  | 553274   | 46.380  | ng    | 99       |
| 52) Acenaphthene              | 14.469 | 154  | 2005750  | 45.300  | ng    | 100      |
| 53) 3-Nitroaniline            | 14.304 | 138  | 388125   | 30.124  | ng    | 99       |
| 54) 2,4-Dinitrophenol         | 14.516 | 184  | 727282   | 115.220 | ng    | 99       |
| 55) Dibenzofuran              | 14.810 | 168  | 3101739  | 43.248  | ng    | 99       |
| 56) 4-Nitrophenol             | 14.634 | 139  | 1179751  | 109.583 | ng    | 99       |
| 57) 2,4-Dinitrotoluene        | 14.775 | 165  | 789863   | 50.127  | ng    | 97       |
| 58) Fluorene                  | 15.463 | 166  | 2559129  | 45.797  | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol | 15.045 | 232  | 666462   | 46.209  | ng    | 99       |
| 60) Diethylphthalate          | 15.240 | 149  | 2513522  | 44.519  | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 15.463 | 204  | 1232138  | 44.956  | ng    | 100      |
| 62) 4-Nitroaniline            | 15.487 | 138  | 615562   | 45.552  | ng    | 99       |
| 63) Azobenzene                | 15.763 | 77   | 2437011  | 45.795  | ng    | 98       |
| 65) 4,6-Dinitro-2-methylph... | 15.545 | 198  | 427388   | 47.363  | ng    | 96       |
| 66) n-Nitrosodiphenylamine    | 15.687 | 169  | 2179696  | 47.224  | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 16.381 | 248  | 765644   | 45.880  | ng    | 97       |
| 68) Hexachlorobenzene         | 16.492 | 284  | 899657   | 45.548  | ng    | 97       |
| 69) Atrazine                  | 16.669 | 200  | 843780   | 75.738  | ng    | 99       |
| 70) Pentachlorophenol         | 16.851 | 266  | 1307939  | 102.396 | ng    | 100      |
| 71) Phenanthrene              | 17.251 | 178  | 3886389  | 46.803  | ng    | 100      |
| 72) Anthracene                | 17.351 | 178  | 3899598  | 48.218  | ng    | 100      |
| 73) Carbazole                 | 17.634 | 167  | 3705785  | 47.514  | ng    | 99       |
| 74) Di-n-butylphthalate       | 18.222 | 149  | 4375417  | 47.258  | ng    | 100      |
| 75) Fluoranthene              | 19.339 | 202  | 4465647  | 46.435  | ng    | 100      |
| 77) Benzidine                 | 19.539 | 184  | 1410850  | 78.183  | ng    | 100      |
| 78) Pyrene                    | 19.722 | 202  | 4772350  | 46.510  | ng    | 100      |
| 80) Butylbenzylphthalate      | 20.663 | 149  | 2020153  | 47.741  | ng    | 98       |
| 81) Benzo(a)anthracene        | 21.651 | 228  | 4828655  | 47.056  | ng    | 100      |
| 82) 3,3'-Dichlorobenzidine    | 21.563 | 252  | 1193393  | 34.700  | ng    | 99       |
| 83) Chrysene                  | 21.716 | 228  | 4491727  | 45.533  | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 21.586 | 149  | 2995615  | 46.917  | ng    | 100      |
| 85) Di-n-octyl phthalate      | 22.892 | 149  | 4753251  | 46.464  | ng    | 99       |
| 87) Indeno(1,2,3-cd)pyrene    | 28.933 | 276  | 5729823  | 48.893  | ng    | # 91     |
| 88) Benzo(b)fluoranthene      | 23.998 | 252  | 4826316  | 47.671  | ng    | 97       |
| 89) Benzo(k)fluoranthene      | 24.069 | 252  | 4939409  | 49.876  | ng    | 99       |
| 90) Benzo(a)pyrene            | 24.910 | 252  | 4563825  | 51.840  | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 29.004 | 278  | 4741549  | 48.632  | ng    | 99       |
| 92) Benzo(g,h,i)perylene      | 30.121 | 276  | 4463272  | 45.033  | ng    | 99       |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

**Instrument :**  
BNA\_P  
**ClientSampleId :**  
PB167157BS

Quant Time: Mar 18 11:49:46 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP031225.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Mar 13 05:55:58 2025  
Response via : Initial Calibration



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF031725\  
 Data File : BF141980.D  
 Acq On : 17 Mar 2025 14:30  
 Operator : RC/JU  
 Sample : Q1585-01MS 2X  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 OK-02-03142025MS

Quant Time: Mar 17 15:35:21 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF031025.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Mar 10 15:46:22 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.881  | 152  | 138986   | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.163  | 136  | 493410   | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.916  | 164  | 238972   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.404 | 188  | 402192   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12              | 14.045 | 240  | 316750   | 20.000 | ng    | 0.00     |
| 86) Perylene-d12              | 15.521 | 264  | 247894   | 20.000 | ng    | 0.01     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.499  | 112  | 385727   | 46.319 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.504  | 99   | 464515   | 43.810 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.440  | 82   | 291625   | 33.261 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.704 | 330  | 136315   | 44.964 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.234  | 172  | 575675   | 36.636 | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.986 | 244  | 672453   | 31.387 | ng    | 0.00     |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.681  | 88   | 81983    | 23.495 | ng    | 98       |
| 3) Pyridine                   | 3.452  | 79   | 167175   | 19.532 | ng    | 98       |
| 4) n-Nitrosodimethylamine     | 3.381  | 42   | 90321    | 22.137 | ng    | 99       |
| 6) Aniline                    | 6.540  | 93   | 116059   | 11.096 | ng    | 99       |
| 8) 2-Chlorophenol             | 6.663  | 128  | 204974   | 22.193 | ng    | 99       |
| 9) Benzaldehyde               | 6.428  | 77   | 56854    | 9.588  | ng    | 97       |
| 10) Phenol                    | 6.516  | 94   | 239157   | 21.440 | ng    | 99       |
| 11) bis(2-Chloroethyl)ether   | 6.610  | 93   | 188562   | 22.513 | ng    | 98       |
| 12) 1,3-Dichlorobenzene       | 6.822  | 146  | 227613   | 22.827 | ng    | 98       |
| 13) 1,4-Dichlorobenzene       | 6.898  | 146  | 228363   | 22.635 | ng    | 99       |
| 14) 1,2-Dichlorobenzene       | 7.051  | 146  | 215726   | 22.702 | ng    | 99       |
| 15) Benzyl Alcohol            | 7.016  | 79   | 176222   | 20.558 | ng    | 98       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.151  | 45   | 205690   | 20.341 | ng    | 99       |
| 17) 2-Methylphenol            | 7.128  | 107  | 154631   | 21.057 | ng    | 99       |
| 18) Hexachloroethane          | 7.393  | 117  | 81405    | 21.517 | ng    | 97       |
| 19) n-Nitroso-di-n-propyla... | 7.287  | 70   | 140789   | 20.665 | ng    | 100      |
| 20) 3+4-Methylphenols         | 7.281  | 107  | 198449   | 21.098 | ng    | # 73     |
| 22) Acetophenone              | 7.287  | 105  | 308907   | 26.143 | ng    | 99       |
| 24) Nitrobenzene              | 7.457  | 77   | 200900   | 23.049 | ng    | 99       |
| 25) Isophorone                | 7.698  | 82   | 365609   | 23.590 | ng    | 99       |
| 26) 2-Nitrophenol             | 7.775  | 139  | 92364    | 21.591 | ng    | 99       |
| 27) 2,4-Dimethylphenol        | 7.810  | 122  | 162808   | 27.639 | ng    | 99       |
| 28) bis(2-Chloroethoxy)met... | 7.904  | 93   | 221519   | 22.788 | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 8.016  | 162  | 158783   | 21.717 | ng    | 99       |
| 30) 1,2,4-Trichlorobenzene    | 8.104  | 180  | 182835   | 22.691 | ng    | 98       |
| 31) Naphthalene               | 8.187  | 128  | 572869   | 22.602 | ng    | 100      |
| 32) Benzoic acid              | 7.893  | 122  | 112548   | 21.736 | ng    | 99       |
| 33) 4-Chloroaniline           | 8.228  | 127  | 72772    | 8.133  | ng    | 99       |
| 34) Hexachlorobutadiene       | 8.298  | 225  | 126143   | 24.006 | ng    | 99       |
| 35) Caprolactam               | 8.575  | 113  | 51580    | 23.139 | ng    | 97       |
| 36) 4-Chloro-3-methylphenol   | 8.704  | 107  | 160103   | 19.630 | ng    | 98       |
| 37) 2-Methylnaphthalene       | 8.875  | 142  | 354626   | 20.933 | ng    | 100      |
| 38) 1-Methylnaphthalene       | 8.975  | 142  | 346641   | 21.204 | ng    | 99       |
| 40) 1,2,4,5-Tetrachloroben... | 9.040  | 216  | 196214   | 26.968 | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 9.028  | 237  | 89081    | 31.285 | ng    | 97       |
| 43) 2,4,6-Trichlorophenol     | 9.151  | 196  | 110558   | 23.251 | ng    | 99       |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF031725\  
 Data File : BF141980.D  
 Acq On : 17 Mar 2025 14:30  
 Operator : RC/JU  
 Sample : Q1585-01MS 2X  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 OK-02-03142025MS

Quant Time: Mar 17 15:35:21 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF031025.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Mar 10 15:46:22 2025  
 Response via : Initial Calibration

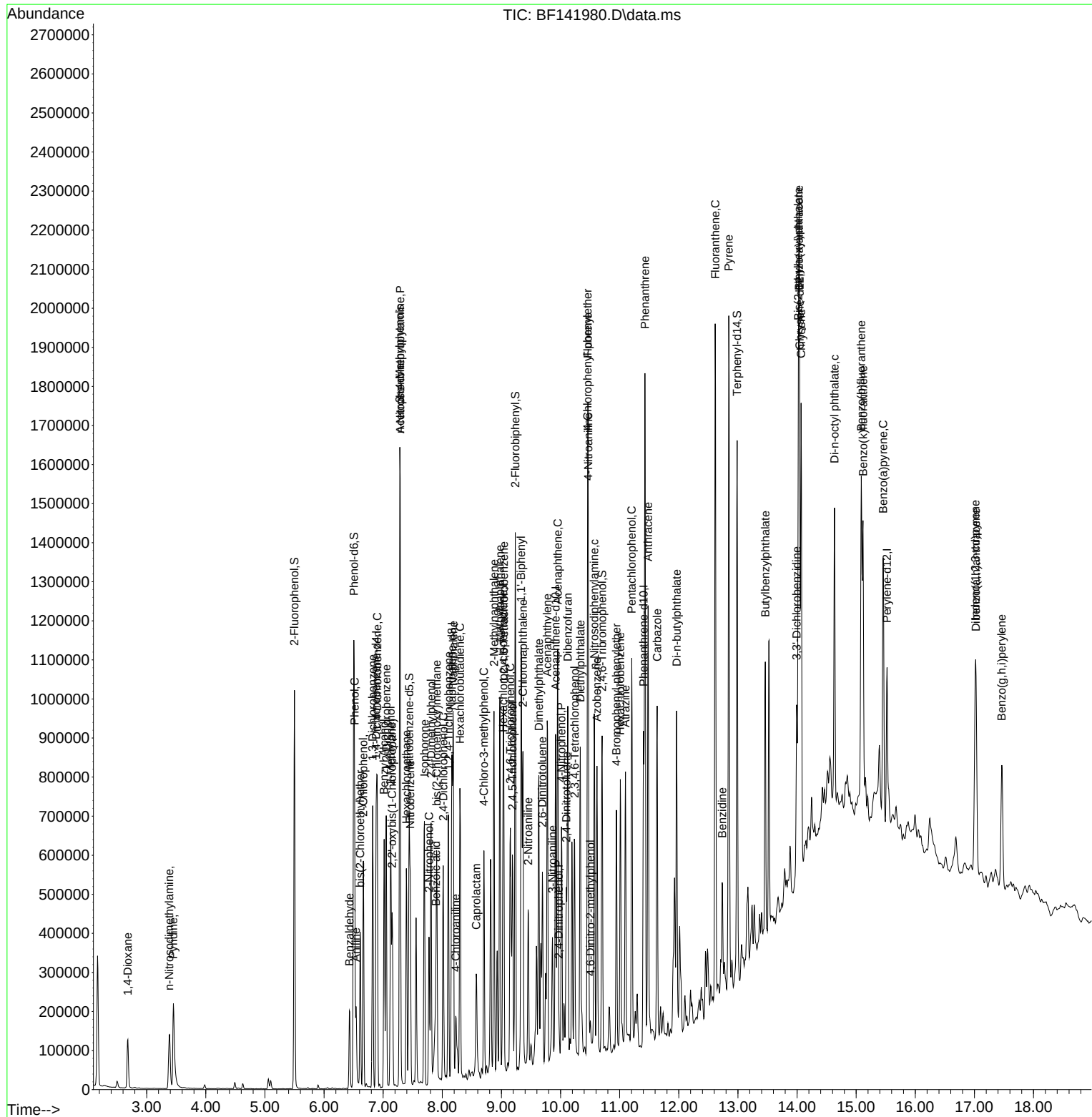
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.187  | 196  | 113013   | 23.467 | ng    | 99       |
| 46) 1,1'-Biphenyl             | 9.334  | 154  | 488892   | 26.925 | ng    | 99       |
| 47) 2-Chloronaphthalene       | 9.363  | 162  | 318869   | 23.561 | ng    | 98       |
| 48) 2-Nitroaniline            | 9.451  | 65   | 93476    | 23.855 | ng    | 98       |
| 49) Acenaphthylene            | 9.775  | 152  | 529391   | 26.360 | ng    | 100      |
| 50) Dimethylphthalate         | 9.634  | 163  | 400627   | 23.940 | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 9.692  | 165  | 77976    | 22.379 | ng    | 97       |
| 52) Acenaphthene              | 9.951  | 154  | 335924   | 23.801 | ng    | 100      |
| 53) 3-Nitroaniline            | 9.863  | 138  | 68567    | 19.400 | ng    | 98       |
| 54) 2,4-Dinitrophenol         | 9.969  | 184  | 16055    | 14.017 | ng    | 97       |
| 55) Dibenzofuran              | 10.122 | 168  | 465340   | 23.075 | ng    | 99       |
| 56) 4-Nitrophenol             | 10.016 | 139  | 134101   | 50.312 | ng    | 98       |
| 57) 2,4-Dinitrotoluene        | 10.098 | 165  | 101899   | 22.391 | ng    | 97       |
| 58) Fluorene                  | 10.463 | 166  | 397162   | 25.538 | ng    | 100      |
| 59) 2,3,4,6-Tetrachlorophenol | 10.239 | 232  | 94204    | 21.497 | ng    | 99       |
| 60) Diethylphthalate          | 10.334 | 149  | 381123   | 22.840 | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 10.457 | 204  | 181796   | 22.422 | ng    | 97       |
| 62) 4-Nitroaniline            | 10.469 | 138  | 70786    | 20.572 | ng    | 98       |
| 63) Azobenzene                | 10.616 | 77   | 349006   | 22.497 | ng    | 94       |
| 65) 4,6-Dinitro-2-methylph... | 10.504 | 198  | 13669    | 5.701  | ng    | 90       |
| 66) n-Nitrosodiphenylamine    | 10.569 | 169  | 299065   | 22.978 | ng    | 100      |
| 67) 4-Bromophenyl-phenylether | 10.945 | 248  | 110273   | 21.832 | ng    | 99       |
| 68) Hexachlorobenzene         | 11.010 | 284  | 122537   | 22.119 | ng    | 99       |
| 69) Atrazine                  | 11.098 | 200  | 118551   | 29.713 | ng    | 98       |
| 70) Pentachlorophenol         | 11.204 | 266  | 159828   | 46.825 | ng    | 99       |
| 71) Phenanthrene              | 11.428 | 178  | 899069   | 41.387 | ng    | 99       |
| 72) Anthracene                | 11.481 | 178  | 602091   | 27.626 | ng    | 99       |
| 73) Carbazole                 | 11.633 | 167  | 481700   | 25.628 | ng    | 99       |
| 74) Di-n-butylphthalate       | 11.963 | 149  | 571030   | 22.896 | ng    | 99       |
| 75) Fluoranthene              | 12.616 | 202  | 983960   | 42.700 | ng    | 100      |
| 77) Benzidine                 | 12.733 | 184  | 164890   | 37.312 | ng    | 99       |
| 78) Pyrene                    | 12.845 | 202  | 1004516  | 36.662 | ng    | 99       |
| 80) Butylbenzylphthalate      | 13.463 | 149  | 236626   | 22.065 | ng    | 98       |
| 81) Benzo(a)anthracene        | 14.033 | 228  | 669134   | 32.193 | ng    | 97       |
| 82) 3,3'-Dichlorobenzidine    | 13.992 | 252  | 130151   | 21.668 | ng    | 99       |
| 83) Chrysene                  | 14.069 | 228  | 598647   | 31.773 | ng    | 98       |
| 84) Bis(2-ethylhexyl)phtha... | 14.022 | 149  | 334726   | 22.638 | ng    | 99       |
| 85) Di-n-octyl phthalate      | 14.633 | 149  | 511488   | 24.861 | ng    | 99       |
| 87) Indeno(1,2,3-cd)pyrene    | 17.015 | 276  | 396395   | 24.719 | ng    | 95       |
| 88) Benzo(b)fluoranthene      | 15.086 | 252  | 567086   | 33.378 | ng    | 98       |
| 89) Benzo(k)fluoranthene      | 15.116 | 252  | 350299   | 24.093 | ng    | 98       |
| 90) Benzo(a)pyrene            | 15.457 | 252  | 430507   | 32.384 | ng    | 98       |
| 91) Dibenzo(a,h)anthracene    | 17.027 | 278  | 282448   | 21.348 | ng    | 98       |
| 92) Benzo(g,h,i)perylene      | 17.462 | 276  | 317558   | 24.288 | ng    | 97       |

(#) = qualifier out of range (m) = manual integration (+) = signals summed



**Instrument :**  
BNA\_F  
**ClientSampleId :**  
OK-02-03142025MS

Quant Time: Mar 17 15:35:21 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF031025.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Mar 10 15:46:22 2025  
Response via : Initial Calibration





Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF031725\  
 Data File : BF141981.D  
 Acq On : 17 Mar 2025 15:00  
 Operator : RC/JU  
 Sample : Q1585-01MSD 2X  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 OK-02-03142025MSD

Quant Time: Mar 17 15:36:15 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF031025.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Mar 10 15:46:22 2025  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Anahy Claudio 03/18/2025  
 Supervised By :Jagrut Upadhyay 03/18/2025

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.881  | 152  | 122962   | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.163  | 136  | 428074   | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.916  | 164  | 210222   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.404 | 188  | 360568   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12              | 14.045 | 240  | 282638   | 20.000 | ng    | 0.00     |
| 86) Perylene-d12              | 15.521 | 264  | 213270   | 20.000 | ng    | 0.01     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.498  | 112  | 357779   | 48.561 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.504  | 99   | 425661   | 45.377 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.439  | 82   | 265875   | 34.953 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.704 | 330  | 126929   | 47.593 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.233  | 172  | 515884   | 37.321 | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.986 | 244  | 626391   | 32.766 | ng    | 0.00     |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.675  | 88   | 77134    | 24.986 | ng    | 99       |
| 3) Pyridine                   | 3.451  | 79   | 165090   | 21.802 | ng    | 97       |
| 4) n-Nitrosodimethylamine     | 3.381  | 42   | 80462    | 22.291 | ng    | 94       |
| 6) Aniline                    | 6.539  | 93   | 111079   | 12.004 | ng    | 100      |
| 8) 2-Chlorophenol             | 6.663  | 128  | 187703   | 22.971 | ng    | 98       |
| 9) Benzaldehyde               | 6.434  | 77   | 50735    | 9.671  | ng    | 96       |
| 10) Phenol                    | 6.516  | 94   | 223020   | 22.599 | ng    | 97       |
| 11) bis(2-Chloroethyl)ether   | 6.610  | 93   | 173616   | 23.429 | ng    | 98       |
| 12) 1,3-Dichlorobenzene       | 6.822  | 146  | 206380   | 23.395 | ng    | 98       |
| 13) 1,4-Dichlorobenzene       | 6.898  | 146  | 210826   | 23.620 | ng    | 99       |
| 14) 1,2-Dichlorobenzene       | 7.051  | 146  | 196004   | 23.314 | ng    | 99       |
| 15) Benzyl Alcohol            | 7.016  | 79   | 160230   | 21.128 | ng    | 99       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.151  | 45   | 190198   | 21.260 | ng    | 100      |
| 17) 2-Methylphenol            | 7.128  | 107  | 141763   | 21.820 | ng    | 99       |
| 18) Hexachloroethane          | 7.392  | 117  | 72524    | 21.668 | ng    | 98       |
| 19) n-Nitroso-di-n-propyla... | 7.286  | 70   | 125800   | 20.871 | ng    | 99       |
| 20) 3+4-Methylphenols         | 7.281  | 107  | 185060   | 22.238 | ng    | # 74     |
| 22) Acetophenone              | 7.286  | 105  | 279857   | 27.299 | ng    | 99       |
| 24) Nitrobenzene              | 7.457  | 77   | 183578   | 24.276 | ng    | 100      |
| 25) Isophorone                | 7.698  | 82   | 333584   | 24.809 | ng    | 99       |
| 26) 2-Nitrophenol             | 7.775  | 139  | 81983    | 22.089 | ng    | 98       |
| 27) 2,4-Dimethylphenol        | 7.810  | 122  | 147078   | 28.780 | ng    | 99       |
| 28) bis(2-Chloroethoxy)met... | 7.904  | 93   | 200722   | 23.801 | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 8.016  | 162  | 145170   | 22.886 | ng    | 99       |
| 30) 1,2,4-Trichlorobenzene    | 8.104  | 180  | 165028   | 23.607 | ng    | 99       |
| 31) Naphthalene               | 8.186  | 128  | 524501   | 23.852 | ng    | 99       |
| 32) Benzoic acid              | 7.886  | 122  | 108252m  | 24.097 | ng    |          |
| 33) 4-Chloroaniline           | 8.228  | 127  | 86978    | 11.205 | ng    | 98       |
| 34) Hexachlorobutadiene       | 8.298  | 225  | 116089   | 25.465 | ng    | 97       |
| 35) Caprolactam               | 8.575  | 113  | 47281    | 24.448 | ng    | 97       |
| 36) 4-Chloro-3-methylphenol   | 8.704  | 107  | 148595   | 21.000 | ng    | 98       |
| 37) 2-Methylnaphthalene       | 8.875  | 142  | 321291   | 21.859 | ng    | 99       |
| 38) 1-Methylnaphthalene       | 8.975  | 142  | 314911   | 22.203 | ng    | 100      |
| 40) 1,2,4,5-Tetrachloroben... | 9.039  | 216  | 180198   | 28.154 | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 9.028  | 237  | 54883    | 21.911 | ng    | 96       |
| 43) 2,4,6-Trichlorophenol     | 9.151  | 196  | 99411    | 23.766 | ng    | 99       |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF031725\  
 Data File : BF141981.D  
 Acq On : 17 Mar 2025 15:00  
 Operator : RC/JU  
 Sample : Q1585-01MSD 2X  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 OK-02-03142025MSD

### Manual Integrations APPROVED

Reviewed By :Anahy Claudio 03/18/2025  
 Supervised By :Jagrut Upadhyay 03/18/2025

Quant Time: Mar 17 15:36:15 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF031025.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Mar 10 15:46:22 2025  
 Response via : Initial Calibration

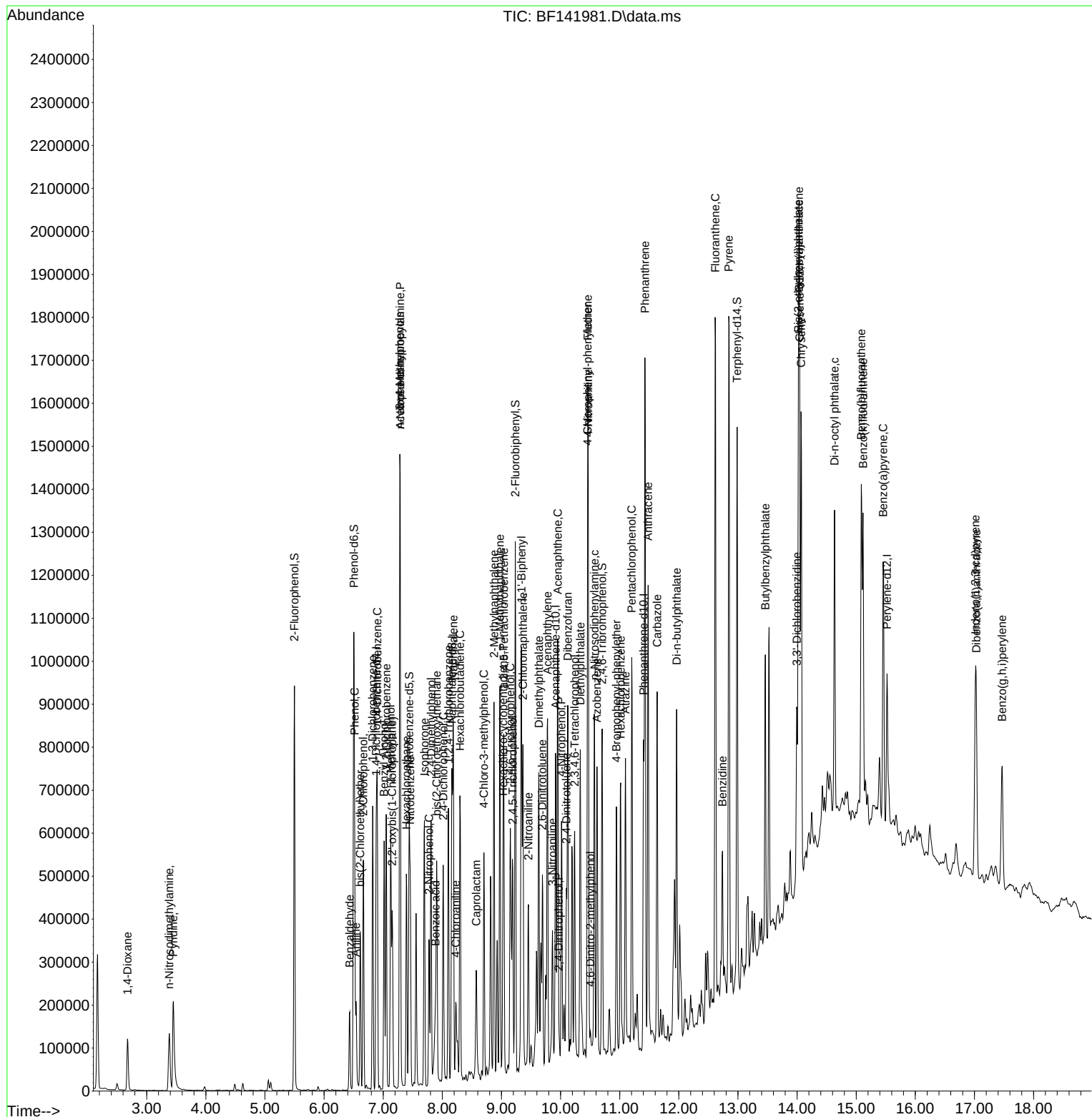
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.192  | 196  | 101841   | 24.039 | ng    | 98       |
| 46) 1,1'-Biphenyl             | 9.339  | 154  | 450681   | 28.215 | ng    | 99       |
| 47) 2-Chloronaphthalene       | 9.363  | 162  | 293294   | 24.635 | ng    | 98       |
| 48) 2-Nitroaniline            | 9.457  | 65   | 87104    | 25.269 | ng    | 96       |
| 49) Acenaphthylene            | 9.780  | 152  | 489709   | 27.718 | ng    | 99       |
| 50) Dimethylphthalate         | 9.633  | 163  | 361750   | 24.573 | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 9.692  | 165  | 71293    | 23.259 | ng    | 98       |
| 52) Acenaphthene              | 9.951  | 154  | 305530   | 24.608 | ng    | 99       |
| 53) 3-Nitroaniline            | 9.863  | 138  | 66296    | 21.323 | ng    | 99       |
| 54) 2,4-Dinitrophenol         | 9.969  | 184  | 9121     | 11.380 | ng #  | 32       |
| 55) Dibenzofuran              | 10.122 | 168  | 428947   | 24.179 | ng    | 98       |
| 56) 4-Nitrophenol             | 10.016 | 139  | 122925   | 52.427 | ng    | 98       |
| 57) 2,4-Dinitrotoluene        | 10.098 | 165  | 93849    | 23.443 | ng #  | 97       |
| 58) Fluorene                  | 10.463 | 166  | 368013   | 26.900 | ng    | 100      |
| 59) 2,3,4,6-Tetrachlorophenol | 10.239 | 232  | 87893    | 22.799 | ng    | 99       |
| 60) Diethylphthalate          | 10.333 | 149  | 342607   | 23.340 | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 10.457 | 204  | 165480   | 23.200 | ng    | 98       |
| 62) 4-Nitroaniline            | 10.469 | 138  | 69514    | 22.965 | ng    | 95       |
| 63) Azobenzene                | 10.616 | 77   | 321117   | 23.530 | ng    | 94       |
| 65) 4,6-Dinitro-2-methylph... | 10.504 | 198  | 8384     | 3.900  | ng    | 82       |
| 66) n-Nitrosodiphenylamine    | 10.574 | 169  | 280032   | 24.000 | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 10.945 | 248  | 101979   | 22.520 | ng    | 99       |
| 68) Hexachlorobenzene         | 11.016 | 284  | 115374   | 23.230 | ng    | 95       |
| 69) Atrazine                  | 11.098 | 200  | 112097   | 31.338 | ng    | 98       |
| 70) Pentachlorophenol         | 11.204 | 266  | 147715   | 48.273 | ng    | 99       |
| 71) Phenanthrene              | 11.427 | 178  | 841818   | 43.225 | ng    | 99       |
| 72) Anthracene                | 11.480 | 178  | 577698   | 29.566 | ng    | 99       |
| 73) Carbazole                 | 11.633 | 167  | 460642   | 27.337 | ng    | 99       |
| 74) Di-n-butylphthalate       | 11.963 | 149  | 535762   | 23.962 | ng    | 99       |
| 75) Fluoranthene              | 12.616 | 202  | 935046   | 45.261 | ng    | 100      |
| 77) Benzidine                 | 12.739 | 184  | 194488   | 49.321 | ng    | 100      |
| 78) Pyrene                    | 12.845 | 202  | 950264   | 38.868 | ng    | 99       |
| 80) Butylbenzylphthalate      | 13.463 | 149  | 224636   | 23.475 | ng    | 98       |
| 81) Benzo(a)anthracene        | 14.033 | 228  | 616040   | 33.215 | ng    | 97       |
| 82) 3,3'-Dichlorobenzidine    | 13.998 | 252  | 127292   | 23.750 | ng    | 98       |
| 83) Chrysene                  | 14.068 | 228  | 560472   | 33.337 | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 14.021 | 149  | 317279   | 24.047 | ng    | 99       |
| 85) Di-n-octyl phthalate      | 14.633 | 149  | 467953   | 25.490 | ng    | 99       |
| 87) Indeno(1,2,3-cd)pyrene    | 17.015 | 276  | 365791   | 26.514 | ng    | 96       |
| 88) Benzo(b)fluoranthene      | 15.086 | 252  | 499038   | 34.142 | ng    | 98       |
| 89) Benzo(k)fluoranthene      | 15.115 | 252  | 342364   | 27.371 | ng    | 98       |
| 90) Benzo(a)pyrene            | 15.457 | 252  | 393947   | 34.445 | ng    | 98       |
| 91) Dibenzo(a,h)anthracene    | 17.033 | 278  | 257236   | 22.599 | ng    | 99       |
| 92) Benzo(g,h,i)perylene      | 17.468 | 276  | 292869   | 26.036 | ng    | 97       |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

**Instrument :**  
BNA\_F  
**ClientSampleId :**  
OK-02-03142025MSD

## Manual Integrations APPROVED

Reviewed By :Anahy Claudio    03/18/2025  
Supervised By :Jaqrut Upadhyay    03/18/2025





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

Manual Integration Report

|           |          |            |       |
|-----------|----------|------------|-------|
| Sequence: | BF031025 | Instrument | BNA_f |
|-----------|----------|------------|-------|

| Sample ID  | File ID    | Parameter   | Review By | Review On            | Supervised By | Supervised On         | Reason                      |
|------------|------------|-------------|-----------|----------------------|---------------|-----------------------|-----------------------------|
| SSTDICC080 | BF141904.D | Caprolactam | anahy     | 3/11/2025 9:10:54 AM | Jagrut        | 3/11/2025 10:18:21 AM | Peak Integrated by Software |

## Manual Integration Report

|           |          |            |       |
|-----------|----------|------------|-------|
| Sequence: | BF031725 | Instrument | BNA_f |
|-----------|----------|------------|-------|

| Sample ID   | File ID    | Parameter            | Review By | Review On            | Supervised By | Supervised On         | Reason                      |
|-------------|------------|----------------------|-----------|----------------------|---------------|-----------------------|-----------------------------|
| SSTDCCC040  | BF141973.D | Benzo(k)fluoranthene | anahy     | 3/18/2025 4:19:42 PM | Jagrut        | 3/18/2025 4:41:59 PM  | Peak Integrated by Software |
| Q1585-01MSD | BF141981.D | Benzoic acid         | anahy     | 3/18/2025 9:43:19 AM | Jagrut        | 3/18/2025 11:40:56 AM | Peak Integrated by Software |

## Manual Integration Report

|           |          |            |       |
|-----------|----------|------------|-------|
| Sequence: | BP031225 | Instrument | BNA_p |
|-----------|----------|------------|-------|

| Sample ID  | File ID    | Parameter              | Review By | Review On                | Supervised By | Supervised On            | Reason                      |
|------------|------------|------------------------|-----------|--------------------------|---------------|--------------------------|-----------------------------|
| SSTDICC005 | BP024161.D | Benzaldehyde           | anahy     | 3/13/2025<br>11:10:33 AM | Jagrut        | 3/13/2025<br>11:45:04 AM | Peak Integrated by Software |
| SSTDICC050 | BP024165.D | Pyridine               | anahy     | 3/13/2025<br>11:11:20 AM | Jagrut        | 3/13/2025<br>11:45:07 AM | Peak Integrated by Software |
| SSTDICC060 | BP024166.D | Indeno(1,2,3-cd)pyrene | anahy     | 3/13/2025<br>11:38:58 AM | Jagrut        | 3/13/2025<br>11:45:09 AM | Peak Integrated by Software |
| SSTDICC060 | BP024166.D | Pyridine               | anahy     | 3/13/2025<br>11:38:58 AM | Jagrut        | 3/13/2025<br>11:45:09 AM | Peak Integrated by Software |
| SSTDICC080 | BP024167.D | Pyridine               | anahy     | 3/13/2025<br>11:39:57 AM | Jagrut        | 3/13/2025 11:45:11 AM    | Peak Integrated by Software |
| SSTDICV040 | BP024168.D | Benzo(g,h,i)perylene   | anahy     | 3/13/2025<br>11:40:49 AM | Jagrut        | 3/13/2025<br>11:45:14 AM | Peak Integrated by Software |



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

Manual Integration Report

|           |          |            |       |
|-----------|----------|------------|-------|
| Sequence: | BP031825 | Instrument | BNA_p |
|-----------|----------|------------|-------|

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

Instrument ID: **BNA\_F**

**Daily Analysis Runlog For Sequence/QC Batch ID # BF031025**

|                          |          |                                                         |                       |                      |          |
|--------------------------|----------|---------------------------------------------------------|-----------------------|----------------------|----------|
| Review By                | anahy    | Review On                                               | 3/11/2025 9:11:47 AM  |                      |          |
| Supervise By             | Jagrut   | Supervise On                                            | 3/11/2025 10:18:40 AM |                      |          |
| SubDirectory             | BF031025 | HP Acquire Method                                       | BNA_F                 | HP Processing Method | bf031025 |
| STD. NAME                |          | STD REF.#                                               |                       |                      |          |
| Tune/Reschk              |          | SP6717                                                  |                       |                      |          |
| Initial Calibration Stds |          | SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729 |                       |                      |          |
| CCC                      |          | SP6725                                                  |                       |                      |          |
| Internal Standard/PEM    |          | S12653,10ul/1000ul sample                               |                       |                      |          |
| ICV/I.BLK                |          | SP6686                                                  |                       |                      |          |
| Surrogate Standard       |          |                                                         |                       |                      |          |
| MS/MSD Standard          |          |                                                         |                       |                      |          |
| LCS Standard             |          |                                                         |                       |                      |          |

| Sr# | SampleId    | Data File Name | Date-Time         | Operator | Status |
|-----|-------------|----------------|-------------------|----------|--------|
| 1   | DFTPP       | BF141896.D     | 10 Mar 2025 10:31 | RC/JU    | Ok     |
| 2   | SSTDICC2.5  | BF141897.D     | 10 Mar 2025 11:01 | RC/JU    | Ok     |
| 3   | SSTDICC005  | BF141898.D     | 10 Mar 2025 11:30 | RC/JU    | Ok     |
| 4   | SSTDICC010  | BF141899.D     | 10 Mar 2025 12:00 | RC/JU    | Ok     |
| 5   | SSTDICC020  | BF141900.D     | 10 Mar 2025 12:29 | RC/JU    | Ok     |
| 6   | SSTDICCC040 | BF141901.D     | 10 Mar 2025 12:58 | RC/JU    | Ok     |
| 7   | SSTDICC050  | BF141902.D     | 10 Mar 2025 13:28 | RC/JU    | Not Ok |
| 8   | SSTDICC060  | BF141903.D     | 10 Mar 2025 13:57 | RC/JU    | Ok     |
| 9   | SSTDICC080  | BF141904.D     | 10 Mar 2025 14:27 | RC/JU    | Ok,M   |
| 10  | SSTDICC050  | BF141905.D     | 10 Mar 2025 15:20 | RC/JU    | Ok     |
| 11  | SSTDICV040  | BF141906.D     | 10 Mar 2025 15:53 | RC/JU    | Ok     |
| 12  | PB167012BL  | BF141907.D     | 10 Mar 2025 17:09 | RC/JU    | Ok     |
| 13  | SP6752      | BF141908.D     | 10 Mar 2025 17:39 | RC/JU    | Ok,M   |

M : Manual Integration



Instrument ID: **BNA\_F**

**Daily Analysis Runlog For Sequence/QC Batch ID # BF031725**

|                          |                                                         |                      |                       |
|--------------------------|---------------------------------------------------------|----------------------|-----------------------|
| Review By                | anahy                                                   | Review On            | 3/18/2025 9:44:22 AM  |
| Supervise By             | Jagrut                                                  | Supervise On         | 3/18/2025 11:41:13 AM |
| SubDirectory             | BF031725                                                | HP Acquire Method    | BNA_F                 |
|                          |                                                         | HP Processing Method | bf031025              |
| <b>STD. NAME</b>         | <b>STD REF.#</b>                                        |                      |                       |
| Tune/Reschk              | SP6717                                                  |                      |                       |
| Initial Calibration Stds | SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729 |                      |                       |
| CCC                      | SP6725                                                  |                      |                       |
| Internal Standard/PEM    | S12655,10ul/1000ul sample                               |                      |                       |
| ICV/I.BLK                | SP6686                                                  |                      |                       |
| Surrogate Standard       |                                                         |                      |                       |
| MS/MSD Standard          |                                                         |                      |                       |
| LCS Standard             |                                                         |                      |                       |

| Sr# | SampleId    | Data File Name | Date-Time         | Operator | Status   |
|-----|-------------|----------------|-------------------|----------|----------|
| 1   | DFTPP       | BF141972.D     | 17 Mar 2025 09:10 | RC/JU    | Ok       |
| 2   | SSTDCCC040  | BF141973.D     | 17 Mar 2025 09:39 | RC/JU    | Ok,M     |
| 3   | PB167138BL  | BF141974.D     | 17 Mar 2025 10:09 | RC/JU    | Ok       |
| 4   | PB167138BS  | BF141975.D     | 17 Mar 2025 10:38 | RC/JU    | Ok,M     |
| 5   | Q1549-01    | BF141976.D     | 17 Mar 2025 11:12 | RC/JU    | Ok,M     |
| 6   | Q1585-01    | BF141977.D     | 17 Mar 2025 13:01 | RC/JU    | Ok,M     |
| 7   | Q1574-01    | BF141978.D     | 17 Mar 2025 13:31 | RC/JU    | Not Ok   |
| 8   | Q1581-01    | BF141979.D     | 17 Mar 2025 14:00 | RC/JU    | Ok,M     |
| 9   | Q1585-01MS  | BF141980.D     | 17 Mar 2025 14:30 | RC/JU    | Ok       |
| 10  | Q1585-01MSD | BF141981.D     | 17 Mar 2025 15:00 | RC/JU    | Ok,M     |
| 11  | Q1574-01    | BF141982.D     | 17 Mar 2025 15:29 | RC/JU    | Dilution |
| 12  | Q1568-04    | BF141983.D     | 17 Mar 2025 16:01 | RC/JU    | Ok       |
| 13  | Q1574-01DL  | BF141984.D     | 17 Mar 2025 17:00 | RC/JU    | Ok       |

M : Manual Integration

Instrument ID: BNA\_P

**Daily Analysis Runlog For Sequence/QCBatch ID # BP031225**

|                          |                                                         |                      |                       |
|--------------------------|---------------------------------------------------------|----------------------|-----------------------|
| Review By                | anahy                                                   | Review On            | 3/13/2025 11:41:15 AM |
| Supervise By             | Jagrut                                                  | Supervise On         | 3/17/2025 4:44:19 PM  |
| SubDirectory             | BP031225                                                | HP Acquire Method    | BNA_P                 |
|                          |                                                         | HP Processing Method | bp031225              |
| <b>STD. NAME</b>         | <b>STD REF.#</b>                                        |                      |                       |
| Tune/Reschk              | SP6717                                                  |                      |                       |
| Initial Calibration Stds | SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729 |                      |                       |
| CCC                      | SP6725                                                  |                      |                       |
| Internal Standard/PEM    | S12653,10ul/1000ul sample                               |                      |                       |
| ICV/I.BLK                | SP6686                                                  |                      |                       |
| Surrogate Standard       |                                                         |                      |                       |
| MS/MSD Standard          |                                                         |                      |                       |
| LCS Standard             |                                                         |                      |                       |

| Sr# | SampleId    | Data File Name | Date-Time         | Operator | Status |
|-----|-------------|----------------|-------------------|----------|--------|
| 1   | DFTPP       | BP024159.D     | 12 Mar 2025 15:36 | RC/JU    | Ok     |
| 2   | SSTDICC2.5  | BP024160.D     | 12 Mar 2025 16:17 | RC/JU    | Ok     |
| 3   | SSTDICC005  | BP024161.D     | 12 Mar 2025 16:57 | RC/JU    | Ok,M   |
| 4   | SSTDICC010  | BP024162.D     | 12 Mar 2025 17:38 | RC/JU    | Ok     |
| 5   | SSTDICC020  | BP024163.D     | 12 Mar 2025 18:19 | RC/JU    | Ok     |
| 6   | SSTDICCC040 | BP024164.D     | 12 Mar 2025 19:00 | RC/JU    | Ok     |
| 7   | SSTDICC050  | BP024165.D     | 12 Mar 2025 19:41 | RC/JU    | Ok,M   |
| 8   | SSTDICC060  | BP024166.D     | 12 Mar 2025 20:21 | RC/JU    | Ok,M   |
| 9   | SSTDICC080  | BP024167.D     | 12 Mar 2025 21:02 | RC/JU    | Ok,M   |
| 10  | SSTDICV040  | BP024168.D     | 12 Mar 2025 21:43 | RC/JU    | Ok,M   |
| 11  | PB167078BL  | BP024169.D     | 12 Mar 2025 22:24 | RC/JU    | Ok     |

M : Manual Integration

Instrument ID: **BNA\_P**

**Daily Analysis Runlog For Sequence/QC Batch ID # BP031825**

|                          |                                                         |                      |                      |
|--------------------------|---------------------------------------------------------|----------------------|----------------------|
| Review By                | anahy                                                   | Review On            | 3/19/2025 9:19:50 AM |
| Supervise By             | mohammad                                                | Supervise On         | 3/24/2025 3:03:08 AM |
| SubDirectory             | BP031825                                                | HP Acquire Method    | BNA_P                |
|                          |                                                         | HP Processing Method | bp031225             |
| <b>STD. NAME</b>         | <b>STD REF.#</b>                                        |                      |                      |
| Tune/Reschk              | SP6717                                                  |                      |                      |
| Initial Calibration Stds | SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729 |                      |                      |
| CCC                      | SP6725                                                  |                      |                      |
| Internal Standard/PEM    | S12655,10ul/1000ul sample                               |                      |                      |
| ICV/I.BLK                | SP6686                                                  |                      |                      |
| Surrogate Standard       |                                                         |                      |                      |
| MS/MSD Standard          |                                                         |                      |                      |
| LCS Standard             |                                                         |                      |                      |

| Sr# | SampleId    | Data File Name | Date-Time         | Operator | Status |
|-----|-------------|----------------|-------------------|----------|--------|
| 1   | DFTPP       | BP024178.D     | 18 Mar 2025 09:05 | RC/JU    | Ok     |
| 2   | SSTDCCC040  | BP024179.D     | 18 Mar 2025 09:46 | RC/JU    | Ok     |
| 3   | PB167157BL  | BP024180.D     | 18 Mar 2025 10:26 | RC/JU    | Ok     |
| 4   | PB167157BS  | BP024181.D     | 18 Mar 2025 11:07 | RC/JU    | Ok     |
| 5   | PB167171BS  | BP024182.D     | 18 Mar 2025 11:48 | RC/JU    | Ok,M   |
| 6   | PB167171BSD | BP024183.D     | 18 Mar 2025 12:29 | RC/JU    | Ok,M   |
| 7   | PB167171BL  | BP024184.D     | 18 Mar 2025 13:10 | RC/JU    | Ok     |
| 8   | Q1583-02    | BP024185.D     | 18 Mar 2025 13:57 | RC/JU    | Ok,M   |

M : Manual Integration

Instrument ID: BNA\_F

**Daily Analysis Runlog For Sequence/QC Batch ID # BF031025**

|                          |          |                                                         |                       |                      |          |
|--------------------------|----------|---------------------------------------------------------|-----------------------|----------------------|----------|
| Review By                | anahy    | Review On                                               | 3/11/2025 9:11:47 AM  |                      |          |
| Supervise By             | Jagrut   | Supervise On                                            | 3/11/2025 10:18:40 AM |                      |          |
| SubDirectory             | BF031025 | HP Acquire Method                                       | BNA_F                 | HP Processing Method | bf031025 |
| STD. NAME                |          | STD REF.#                                               |                       |                      |          |
| Tune/Reschk              |          | SP6717                                                  |                       |                      |          |
| Initial Calibration Stds |          | SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729 |                       |                      |          |
| CCC                      |          | SP6725                                                  |                       |                      |          |
| Internal Standard/PEM    |          | S12653,10ul/1000ul sample                               |                       |                      |          |
| ICV/I.BLK                |          | SP6686                                                  |                       |                      |          |
| Surrogate Standard       |          |                                                         |                       |                      |          |
| MS/MSD Standard          |          |                                                         |                       |                      |          |
| LCS Standard             |          |                                                         |                       |                      |          |

| Sr# | SampleId    | ClientID    | Data File Name | Date-Time         | Comment                                                                           | Operator | Status |
|-----|-------------|-------------|----------------|-------------------|-----------------------------------------------------------------------------------|----------|--------|
| 1   | DFTPP       | DFTPP       | BF141896.D     | 10 Mar 2025 10:31 |                                                                                   | RC/JU    | Ok     |
| 2   | SSTDICC2.5  | SSTDICC2.5  | BF141897.D     | 10 Mar 2025 11:01 |                                                                                   | RC/JU    | Ok     |
| 3   | SSTDICC005  | SSTDICC005  | BF141898.D     | 10 Mar 2025 11:30 | Compound#9,32,54,65 removed from 5 ppm                                            | RC/JU    | Ok     |
| 4   | SSTDICC010  | SSTDICC010  | BF141899.D     | 10 Mar 2025 12:00 |                                                                                   | RC/JU    | Ok     |
| 5   | SSTDICC020  | SSTDICC020  | BF141900.D     | 10 Mar 2025 12:29 | Compound #54 Kept on LR, Method is good for DOD . Method failed for compound #77. | RC/JU    | Ok     |
| 6   | SSTDICCC040 | SSTDICCC040 | BF141901.D     | 10 Mar 2025 12:58 |                                                                                   | RC/JU    | Ok     |
| 7   | SSTDICC050  | SSTDICC050  | BF141902.D     | 10 Mar 2025 13:28 | Not used                                                                          | RC/JU    | Not Ok |
| 8   | SSTDICC060  | SSTDICC060  | BF141903.D     | 10 Mar 2025 13:57 | Compound#69 Removed from 60 ppm                                                   | RC/JU    | Ok     |
| 9   | SSTDICC080  | SSTDICC080  | BF141904.D     | 10 Mar 2025 14:27 | Compound#9,69 Removed from 80 ppm                                                 | RC/JU    | Ok,M   |
| 10  | SSTDICC050  | SSTDICC050  | BF141905.D     | 10 Mar 2025 15:20 |                                                                                   | RC/JU    | Ok     |
| 11  | SSTDICV040  | ICVBF031025 | BF141906.D     | 10 Mar 2025 15:53 |                                                                                   | RC/JU    | Ok     |
| 12  | PB167012BL  | PB167012BL  | BF141907.D     | 10 Mar 2025 17:09 |                                                                                   | RC/JU    | Ok     |
| 13  | SP6752      | SP6752      | BF141908.D     | 10 Mar 2025 17:39 | 8270 SPIKE-SP6752                                                                 | RC/JU    | Ok,M   |

M : Manual Integration

Instrument ID: BNA\_F

**Daily Analysis Runlog For Sequence/QC Batch ID # BF031725**

|                          |          |                                                         |                       |                      |          |
|--------------------------|----------|---------------------------------------------------------|-----------------------|----------------------|----------|
| Review By                | anahy    | Review On                                               | 3/18/2025 9:44:22 AM  |                      |          |
| Supervise By             | Jagrut   | Supervise On                                            | 3/18/2025 11:41:13 AM |                      |          |
| SubDirectory             | BF031725 | HP Acquire Method                                       | BNA_F                 | HP Processing Method | bf031025 |
| STD. NAME                |          | STD REF.#                                               |                       |                      |          |
| Tune/Reschk              |          | SP6717                                                  |                       |                      |          |
| Initial Calibration Stds |          | SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729 |                       |                      |          |
| CCC                      |          | SP6725                                                  |                       |                      |          |
| Internal Standard/PEM    |          | S12655,10ul/1000ul sample                               |                       |                      |          |
| ICV/I.BLK                |          | SP6686                                                  |                       |                      |          |
| Surrogate Standard       |          |                                                         |                       |                      |          |
| MS/MSD Standard          |          |                                                         |                       |                      |          |
| LCS Standard             |          |                                                         |                       |                      |          |

| Sr# | SampleID    | ClientID          | Data File Name | Date-Time         | Comment                                                      | Operator | Status   |
|-----|-------------|-------------------|----------------|-------------------|--------------------------------------------------------------|----------|----------|
| 1   | DFTPP       | DFTPP             | BF141972.D     | 17 Mar 2025 09:10 |                                                              | RC/JU    | Ok       |
| 2   | SSTDCCC040  | SSTDCCC040        | BF141973.D     | 17 Mar 2025 09:39 |                                                              | RC/JU    | Ok,M     |
| 3   | PB167138BL  | PB167138BL        | BF141974.D     | 17 Mar 2025 10:09 |                                                              | RC/JU    | Ok       |
| 4   | PB167138BS  | PB167138BS        | BF141975.D     | 17 Mar 2025 10:38 |                                                              | RC/JU    | Ok,M     |
| 5   | Q1549-01    | 72-11978          | BF141976.D     | 17 Mar 2025 11:12 |                                                              | RC/JU    | Ok,M     |
| 6   | Q1585-01    | OK-02-03142025    | BF141977.D     | 17 Mar 2025 13:01 |                                                              | RC/JU    | Ok,M     |
| 7   | Q1574-01    | WC1               | BF141978.D     | 17 Mar 2025 13:31 | Poor internal standard recovery,<br>Analyze with straight 5X | RC/JU    | Not Ok   |
| 8   | Q1581-01    | TR-06-031425      | BF141979.D     | 17 Mar 2025 14:00 |                                                              | RC/JU    | Ok,M     |
| 9   | Q1585-01MS  | OK-02-03142025MS  | BF141980.D     | 17 Mar 2025 14:30 |                                                              | RC/JU    | Ok       |
| 10  | Q1585-01MSD | OK-02-03142025MSD | BF141981.D     | 17 Mar 2025 15:00 |                                                              | RC/JU    | Ok,M     |
| 11  | Q1574-01    | WC1               | BF141982.D     | 17 Mar 2025 15:29 | Need further 5X Dilution                                     | RC/JU    | Dilution |
| 12  | Q1568-04    | JC-03-03132025    | BF141983.D     | 17 Mar 2025 16:01 |                                                              | RC/JU    | Ok       |
| 13  | Q1574-01DL  | WC1DL             | BF141984.D     | 17 Mar 2025 17:00 |                                                              | RC/JU    | Ok       |

M : Manual Integration

Instrument ID: BNA\_P

**Daily Analysis Runlog For Sequence/QC Batch ID # BP031225**

|              |          |                      |                       |
|--------------|----------|----------------------|-----------------------|
| Review By    | anahy    | Review On            | 3/13/2025 11:41:15 AM |
| Supervise By | Jagrut   | Supervise On         | 3/17/2025 4:44:19 PM  |
| SubDirectory | BP031225 | HP Acquire Method    | BNA_P                 |
|              |          | HP Processing Method | bp031225              |

| STD. NAME                | STD REF.#                                               |
|--------------------------|---------------------------------------------------------|
| Tune/Reschk              | SP6717                                                  |
| Initial Calibration Stds | SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729 |
| CCC                      | SP6725                                                  |
| Internal Standard/PEM    | S12653,10ul/1000ul sample                               |
| ICV/I.BLK                | SP6686                                                  |
| Surrogate Standard       |                                                         |
| MS/MSD Standard          |                                                         |
| LCS Standard             |                                                         |

| Sr# | SampleID    | ClientID    | Data File Name | Date-Time         | Comment                                                  | Operator | Status |
|-----|-------------|-------------|----------------|-------------------|----------------------------------------------------------|----------|--------|
| 1   | DFTPP       | DFTPP       | BP024159.D     | 12 Mar 2025 15:36 |                                                          | RC/JU    | Ok     |
| 2   | SSTDICC2.5  | SSTDICC2.5  | BP024160.D     | 12 Mar 2025 16:17 |                                                          | RC/JU    | Ok     |
| 3   | SSTDICC005  | SSTDICC005  | BP024161.D     | 12 Mar 2025 16:57 | Compound #32,54,65 removed from 5ppm                     | RC/JU    | Ok,M   |
| 4   | SSTDICC010  | SSTDICC010  | BP024162.D     | 12 Mar 2025 17:38 |                                                          | RC/JU    | Ok     |
| 5   | SSTDICC020  | SSTDICC020  | BP024163.D     | 12 Mar 2025 18:19 |                                                          | RC/JU    | Ok     |
| 6   | SSTDICCC040 | SSTDICCC040 | BP024164.D     | 12 Mar 2025 19:00 | This calibration is good for 8270E and 8270E DOD methods | RC/JU    | Ok     |
| 7   | SSTDICC050  | SSTDICC050  | BP024165.D     | 12 Mar 2025 19:41 |                                                          | RC/JU    | Ok,M   |
| 8   | SSTDICC060  | SSTDICC060  | BP024166.D     | 12 Mar 2025 20:21 | Compound #69 Removed from 60PPM                          | RC/JU    | Ok,M   |
| 9   | SSTDICC080  | SSTDICC080  | BP024167.D     | 12 Mar 2025 21:02 | Compound #32,54,69 Removed from 80PPM                    | RC/JU    | Ok,M   |
| 10  | SSTDICV040  | ICVBP031225 | BP024168.D     | 12 Mar 2025 21:43 |                                                          | RC/JU    | Ok,M   |
| 11  | PB167078BL  | PB167078BL  | BP024169.D     | 12 Mar 2025 22:24 |                                                          | RC/JU    | Ok     |

M : Manual Integration

Instrument ID: BNA\_P

**Daily Analysis Runlog For Sequence/QC Batch ID # BP031825**

|                          |          |                                                         |                      |                      |          |
|--------------------------|----------|---------------------------------------------------------|----------------------|----------------------|----------|
| Review By                | anahy    | Review On                                               | 3/19/2025 9:19:50 AM |                      |          |
| Supervise By             | mohammad | Supervise On                                            | 3/24/2025 3:03:08 AM |                      |          |
| SubDirectory             | BP031825 | HP Acquire Method                                       | BNA_P                | HP Processing Method | bp031225 |
| STD. NAME                |          | STD REF.#                                               |                      |                      |          |
| Tune/Reschk              |          | SP6717                                                  |                      |                      |          |
| Initial Calibration Stds |          | SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729 |                      |                      |          |
| CCC                      |          | SP6725                                                  |                      |                      |          |
| Internal Standard/PEM    |          | S12655,10ul/1000ul sample                               |                      |                      |          |
| ICV/I.BLK                |          | SP6686                                                  |                      |                      |          |
| Surrogate Standard       |          |                                                         |                      |                      |          |
| MS/MSD Standard          |          |                                                         |                      |                      |          |
| LCS Standard             |          |                                                         |                      |                      |          |

| Sr# | SampleID    | ClientID        | Data File Name | Date-Time         | Comment        | Operator | Status |
|-----|-------------|-----------------|----------------|-------------------|----------------|----------|--------|
| 1   | DFTPP       | DFTPP           | BP024178.D     | 18 Mar 2025 09:05 |                | RC/JU    | Ok     |
| 2   | SSTDCCC040  | SSTDCCC040      | BP024179.D     | 18 Mar 2025 09:46 |                | RC/JU    | Ok     |
| 3   | PB167157BL  | PB167157BL      | BP024180.D     | 18 Mar 2025 10:26 |                | RC/JU    | Ok     |
| 4   | PB167157BS  | PB167157BS      | BP024181.D     | 18 Mar 2025 11:07 |                | RC/JU    | Ok     |
| 5   | PB167171BS  | PB167171BS      | BP024182.D     | 18 Mar 2025 11:48 |                | RC/JU    | Ok,M   |
| 6   | PB167171BSD | PB167171BSD     | BP024183.D     | 18 Mar 2025 12:29 |                | RC/JU    | Ok,M   |
| 7   | PB167171BL  | PB167171BL      | BP024184.D     | 18 Mar 2025 13:10 |                | RC/JU    | Ok     |
| 8   | Q1583-02    | EFF-WASTE WATER | BP024185.D     | 18 Mar 2025 13:57 | Surrogate Fail | RC/JU    | Ok,M   |

M : Manual Integration

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

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

**Matrix :** Solid

**Weigh By:** EH

**Balance check:** RJ

**Balance ID:** EX-SC-1

**pH Strip Lot#:** N/A

**Extraction By:** RJ

**Filter By:** RJ

**pH Meter ID:** N/A

**Hood ID:** N/A

**Extraction Start Date :** 03/17/2025

**Extraction Start Time :** 09:15

**Extraction End Date :** 03/17/2025

**Extraction End Time :** 12:15

**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    | 50/100 PPM          | SP6720              |
| Surrogate     | 1.0ML    | 100/150 PPM         | SP6638              |
| 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            | EP2591     |
| Baked Na2SO4       | N/A            | EP2593     |
| Sand               | N/A            | EP2865     |
| Methylene Chloride | N/A            | E3904      |
| N/A                | N/A            | N/A        |
| N/A                | N/A            | N/A        |
| N/A                | N/A            | N/A        |
| N/A                | N/A            | N/A        |
| N/A                | N/A            | N/A        |
| N/A                | N/A            | N/A        |
| N/A                | N/A            | N/A        |
| N/A                | N/A            | N/A        |
| N/A                | N/A            | N/A        |
| N/A                | N/A            | N/A        |
| N/A                | N/A            | N/A        |

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

1.5ML Vial Lot # 2210673.

**KD Bath ID:** N/A

**Envap ID:** NEVAP-02

**KD Bath Temperature:** N/A

**Envap Temperature:** 40 °C

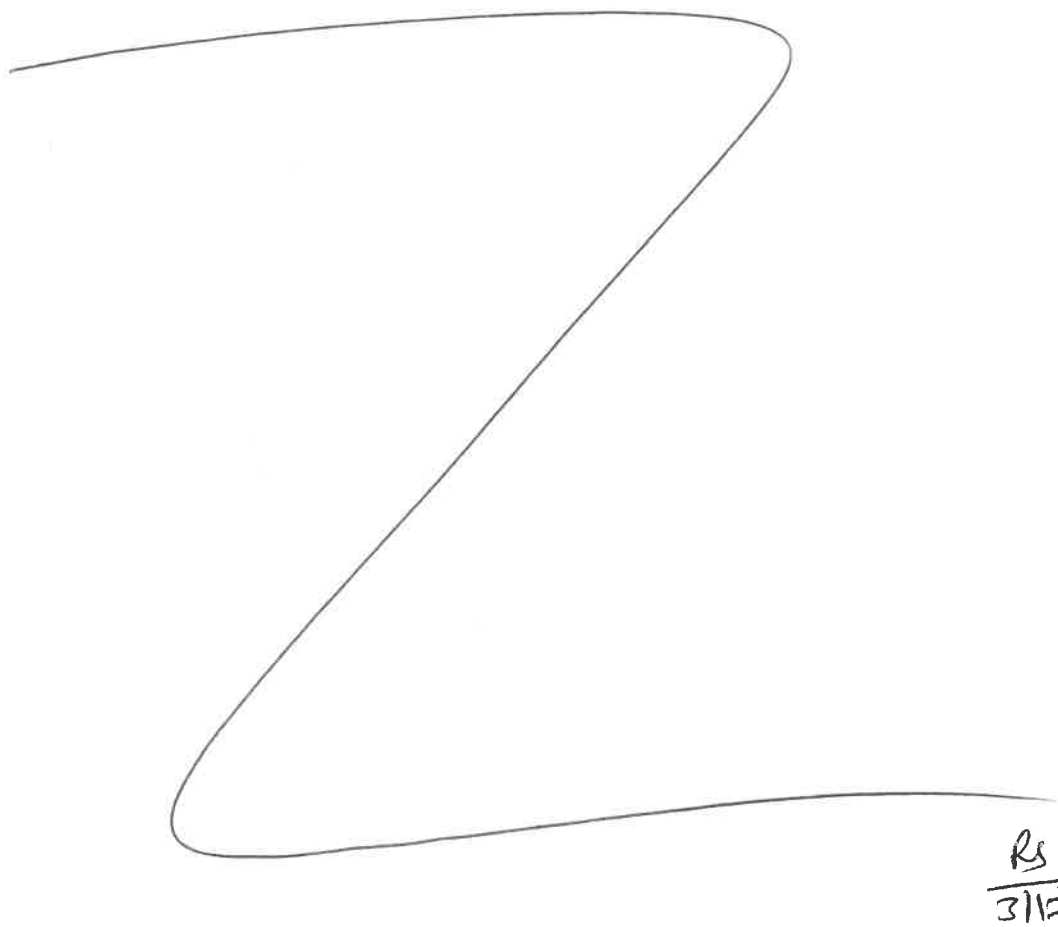
| Date / Time | Prepped Sample Relinquished By/Location | Received By/Location |
|-------------|-----------------------------------------|----------------------|
| 3/17/25     | RS (Ext Lab)                            | RC/SVOC              |
| 12:20       | Preparation Group                       | Analysis Group       |



Analytical Method: M3541-ASE Extraction-14

Concentration Date: 03/17/2025

| Sample ID    | Client Sample ID  | Test             | g/ mL | PH  | Surr/Spike By: |            | Final Vol. (mL) | JarID | Comments | Prep Pos |
|--------------|-------------------|------------------|-------|-----|----------------|------------|-----------------|-------|----------|----------|
|              |                   |                  |       |     | AddedBy        | VerifiedBy |                 |       |          |          |
| PB167157BL   | SBLK157           | SVOC-TCL BNA -20 | 30.01 | N/A | ritesh         | Evelyn     | 1               |       |          | U2-1     |
| PB167157BS   | SLCS157           | SVOC-TCL BNA -20 | 30.03 | N/A | ritesh         | Evelyn     | 1               |       |          | 2        |
| Q1574-01     | WC1               | SVOC-TCL BNA -20 | 30.02 | N/A | ritesh         | Evelyn     | 1               | C     |          | 3        |
| Q1581-01     | TR-06-031425      | SVOC-TCL BNA -20 | 50.04 | N/A | ritesh         | Evelyn     | 1               | E     |          | 4        |
| Q1585-01     | OK-02-03142025    | SVOC-TCL BNA -20 | 50.02 | N/A | ritesh         | Evelyn     | 1               | E     |          | 5        |
| Q1585-01MS   | OK-02-03142025MS  | SVOC-TCL BNA -20 | 50.06 | N/A | ritesh         | Evelyn     | 1               | E     |          | 6        |
| Q1585-01MS D | OK-02-03142025MSD | SVOC-TCL BNA -20 | 50.08 | N/A | ritesh         | Evelyn     | 1               | E     |          | U3-1     |



Rs  
3/17

167157  
491116

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q1585BN      WorkList ID : 188311      Department : Extraction      Date : 03-17-2025 08:41:08

| Sample   | Customer Sample | Matrix | Test             | Preservative | Customer | Raw Sample Storage Location | Collect Date | Method |
|----------|-----------------|--------|------------------|--------------|----------|-----------------------------|--------------|--------|
| Q1574-01 | WC1             | Solid  | SVOC-TCL BNA -20 | Cool 4 deg C | GENV01   | I41                         | 03/12/2025   | 8270E  |
| Q1581-01 | TR-06-031425    | Solid  | SVOC-TCL BNA -20 | Cool 4 deg C | PSEG05   | I41                         | 03/14/2025   | 8270E  |
| Q1585-01 | OK-02-03142025  | Solid  | SVOC-TCL BNA -20 | Cool 4 deg C | PSEG05   | I41                         | 03/14/2025   | 8270E  |

Date/Time      03/17/25      9:10  
Raw Sample Received by:      BJ LEAH-VAB  
Raw Sample Relinquished by:      OR SM

Date/Time      03/17/25      9:30  
Raw Sample Received by:      OR SM  
Raw Sample Relinquished by:      BJ LEAH-VAB



## LAB CHRONICLE

|                 |                 |                   |                       |
|-----------------|-----------------|-------------------|-----------------------|
| <b>OrderID:</b> | Q1574           | <b>OrderDate:</b> | 3/14/2025 11:25:00 AM |
| <b>Client:</b>  | G Environmental | <b>Project:</b>   | Ave L                 |
| <b>Contact:</b> | Gary Landis     | <b>Location:</b>  | I41,VOA Ref. #2 Soil  |

| LabID             | ClientID     | Matrix      | Test             | Method | Sample Date     | Prep Date | Anal Date | Received        |
|-------------------|--------------|-------------|------------------|--------|-----------------|-----------|-----------|-----------------|
| <b>Q1574-01</b>   | <b>WC1</b>   | <b>SOIL</b> | SVOC-TCL BNA -20 | 8270E  | <b>03/12/25</b> | 03/17/25  | 03/17/25  | <b>03/14/25</b> |
| <b>Q1574-01DL</b> | <b>WC1DL</b> | <b>SOIL</b> | SVOC-TCL BNA -20 | 8270E  | <b>03/12/25</b> | 03/17/25  | 03/17/25  | <b>03/14/25</b> |

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

**SDG No.:** Q1574

**Order ID:** Q1574

**Client:** G Environmental

**Project ID:** Ave L

| Sample ID                   | Client ID | Matrix | Parameter    | Concentration  | C | MDL  | RDL  | Units |
|-----------------------------|-----------|--------|--------------|----------------|---|------|------|-------|
| <b>Client ID :</b> WC1      |           |        |              |                |   |      |      |       |
| Q1574-01                    | WC1       | SOIL   | Aroclor-1254 | 884            | E | 3.30 | 17.3 | ug/kg |
| <b>Total Concentration:</b> |           |        |              | <b>884.000</b> |   |      |      |       |
| <b>Client ID :</b> WC1DL    |           |        |              |                |   |      |      |       |
| Q1574-01DL                  | WC1DL     | SOIL   | Aroclor-1254 | 873            | D | 16.4 | 86.6 | ug/kg |
| <b>Total Concentration:</b> |           |        |              | <b>873.000</b> |   |      |      |       |



# SAMPLE DATA

## Report of Analysis

|                    |                 |          |                    |          |           |
|--------------------|-----------------|----------|--------------------|----------|-----------|
| Client:            | G Environmental |          | Date Collected:    | 03/12/25 |           |
| Project:           | Ave L           |          | Date Received:     | 03/14/25 |           |
| Client Sample ID:  | WC1             |          | SDG No.:           | Q1574    |           |
| Lab Sample ID:     | Q1574-01        |          | Matrix:            | SOIL     |           |
| Analytical Method: | SW8082A         |          | % Solid:           | 98       | Decanted: |
| Sample Wt/Vol:     | 30.05           | Units: g | Final Vol:         | 10000    | uL        |
| Soil Aliquot Vol:  |                 | uL       | Test:              | PCB      |           |
| Extraction Type:   |                 |          | Injection Volume : |          |           |
| GPC Factor :       | 1.0             | PH :     |                    |          |           |
| Prep Method :      | SW3541B         |          |                    |          |           |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| PO109929.D        | 1         | 03/14/25 12:25 | 03/17/25 11:02 | PB167143      |

| CAS Number        | Parameter            | Conc. | Qualifier | MDL                 | LOQ / CRQL | Units(Dry Weight) |
|-------------------|----------------------|-------|-----------|---------------------|------------|-------------------|
| <b>TARGETS</b>    |                      |       |           |                     |            |                   |
| 12674-11-2        | Aroclor-1016         | 4.00  | U         | 4.00                | 17.3       | ug/kg             |
| 11104-28-2        | Aroclor-1221         | 4.10  | U         | 4.10                | 17.3       | ug/kg             |
| 11141-16-5        | Aroclor-1232         | 3.80  | U         | 3.80                | 17.3       | ug/kg             |
| 53469-21-9        | Aroclor-1242         | 4.10  | U         | 4.10                | 17.3       | ug/kg             |
| 12672-29-6        | Aroclor-1248         | 6.00  | U         | 6.00                | 17.3       | ug/kg             |
| 11097-69-1        | Aroclor-1254         | 884   | E         | 3.30                | 17.3       | ug/kg             |
| 37324-23-5        | Aroclor-1262         | 5.10  | U         | 5.10                | 17.3       | ug/kg             |
| 11100-14-4        | Aroclor-1268         | 3.70  | U         | 3.70                | 17.3       | ug/kg             |
| 11096-82-5        | Aroclor-1260         | 3.30  | U         | 3.30                | 17.3       | ug/kg             |
| <b>SURROGATES</b> |                      |       |           |                     |            |                   |
| 877-09-8          | Tetrachloro-m-xylene | 19.8  |           | 30 (32) - 150 (144) | 99%        | SPK: 20           |
| 2051-24-3         | Decachlorobiphenyl   | 27.8  |           | 30 (32) - 150 (175) | 139%       | SPK: 20           |

### Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

## Report of Analysis

|                    |                 |                    |          |
|--------------------|-----------------|--------------------|----------|
| Client:            | G Environmental | Date Collected:    | 03/12/25 |
| Project:           | Ave L           | Date Received:     | 03/14/25 |
| Client Sample ID:  | WC1DL           | SDG No.:           | Q1574    |
| Lab Sample ID:     | Q1574-01DL      | Matrix:            | SOIL     |
| Analytical Method: | SW8082A         | % Solid:           | 98       |
| Sample Wt/Vol:     | 30.05           | Units:             | g        |
| Soil Aliquot Vol:  |                 |                    | uL       |
| Extraction Type:   |                 | Test:              | PCB      |
| GPC Factor :       | 1.0             | PH :               |          |
| Prep Method :      | SW3541B         | Injection Volume : |          |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| PO109930.D        | 5         | 03/14/25 12:25 | 03/17/25 11:20 | PB167143      |

| CAS Number        | Parameter            | Conc. | Qualifier | MDL                 | LOQ / CRQL | Units(Dry Weight) |
|-------------------|----------------------|-------|-----------|---------------------|------------|-------------------|
| <b>TARGETS</b>    |                      |       |           |                     |            |                   |
| 12674-11-2        | Aroclor-1016         | 20.1  | UD        | 20.1                | 86.6       | ug/kg             |
| 11104-28-2        | Aroclor-1221         | 20.5  | UD        | 20.5                | 86.6       | ug/kg             |
| 11141-16-5        | Aroclor-1232         | 18.9  | UD        | 18.9                | 86.6       | ug/kg             |
| 53469-21-9        | Aroclor-1242         | 20.4  | UD        | 20.4                | 86.6       | ug/kg             |
| 12672-29-6        | Aroclor-1248         | 30.2  | UD        | 30.2                | 86.6       | ug/kg             |
| 11097-69-1        | Aroclor-1254         | 873   | D         | 16.4                | 86.6       | ug/kg             |
| 37324-23-5        | Aroclor-1262         | 25.6  | UD        | 25.6                | 86.6       | ug/kg             |
| 11100-14-4        | Aroclor-1268         | 18.3  | UD        | 18.3                | 86.6       | ug/kg             |
| 11096-82-5        | Aroclor-1260         | 16.5  | UD        | 16.5                | 86.6       | ug/kg             |
| <b>SURROGATES</b> |                      |       |           |                     |            |                   |
| 877-09-8          | Tetrachloro-m-xylene | 20.4  |           | 30 (32) - 150 (144) | 102%       | SPK: 20           |
| 2051-24-3         | Decachlorobiphenyl   | 32.6  | *         | 30 (32) - 150 (175) | 163%       | SPK: 20           |

### Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit



# QC SUMMARY



### Surrogate Summary

SDG No.: **Q1574**

Client: **G Environmental**

Analytical Method: **8082A**

| Lab Sample ID    | Client ID        | Parameter            | Column | Spike | Result | Rec | Qual | Limits  |           |
|------------------|------------------|----------------------|--------|-------|--------|-----|------|---------|-----------|
|                  |                  |                      |        |       |        |     |      | Low     | High      |
| I.BLK-PO109425.D | PIBLK-PO109425.D | Tetrachloro-m-xylene | 1      | 20    | 25.3   | 126 |      | 70 (60) | 130 (140) |
|                  |                  | Decachlorobiphenyl   | 1      | 20    | 25.3   | 126 |      | 70 (60) | 130 (140) |
|                  |                  | Tetrachloro-m-xylene | 2      | 20    | 24.1   | 121 |      | 70 (60) | 130 (140) |
|                  |                  | Decachlorobiphenyl   | 2      | 20    | 25.5   | 127 |      | 70 (60) | 130 (140) |
| I.BLK-PO109927.D | PIBLK-PO109927.D | Tetrachloro-m-xylene | 1      | 20    | 20.0   | 100 |      | 70 (60) | 130 (140) |
|                  |                  | Decachlorobiphenyl   | 1      | 20    | 17.1   | 86  |      | 70 (60) | 130 (140) |
|                  |                  | Tetrachloro-m-xylene | 2      | 20    | 20.4   | 102 |      | 70 (60) | 130 (140) |
|                  |                  | Decachlorobiphenyl   | 2      | 20    | 17.4   | 87  |      | 70 (60) | 130 (140) |
| Q1574-01         | WC1              | Tetrachloro-m-xylene | 1      | 20    | 18.4   | 92  |      | 30 (32) | 150 (144) |
|                  |                  | Decachlorobiphenyl   | 1      | 20    | 27.8   | 139 |      | 30 (32) | 150 (175) |
|                  |                  | Tetrachloro-m-xylene | 2      | 20    | 19.8   | 99  |      | 30 (32) | 150 (144) |
|                  |                  | Decachlorobiphenyl   | 2      | 20    | 23.6   | 118 |      | 30 (32) | 150 (175) |
| Q1574-01DL       | WC1DL            | Tetrachloro-m-xylene | 1      | 20    | 20.4   | 102 |      | 30 (32) | 150 (144) |
|                  |                  | Decachlorobiphenyl   | 1      | 20    | 32.6   | 163 | *    | 30 (32) | 150 (175) |
|                  |                  | Tetrachloro-m-xylene | 2      | 20    | 18.6   | 93  |      | 30 (32) | 150 (144) |
|                  |                  | Decachlorobiphenyl   | 2      | 20    | 23.8   | 119 |      | 30 (32) | 150 (175) |
| I.BLK-PO109939.D | PIBLK-PO109939.D | Tetrachloro-m-xylene | 1      | 20    | 20.4   | 102 |      | 70 (60) | 130 (140) |
|                  |                  | Decachlorobiphenyl   | 1      | 20    | 17.6   | 88  |      | 70 (60) | 130 (140) |
|                  |                  | Tetrachloro-m-xylene | 2      | 20    | 20.5   | 103 |      | 70 (60) | 130 (140) |
|                  |                  | Decachlorobiphenyl   | 2      | 20    | 16.5   | 83  |      | 70 (60) | 130 (140) |
| I.BLK-PP070418.D | PIBLK-PP070418.D | Tetrachloro-m-xylene | 1      | 20    | 22.0   | 110 |      | 70 (60) | 130 (140) |
|                  |                  | Decachlorobiphenyl   | 1      | 20    | 23.1   | 116 |      | 70 (60) | 130 (140) |
|                  |                  | Tetrachloro-m-xylene | 2      | 20    | 23.0   | 115 |      | 70 (60) | 130 (140) |
|                  |                  | Decachlorobiphenyl   | 2      | 20    | 23.5   | 117 |      | 70 (60) | 130 (140) |
| I.BLK-PP070547.D | PIBLK-PP070547.D | Tetrachloro-m-xylene | 1      | 20    | 19.5   | 97  |      | 70 (60) | 130 (140) |
|                  |                  | Decachlorobiphenyl   | 1      | 20    | 20.3   | 101 |      | 70 (60) | 130 (140) |
|                  |                  | Tetrachloro-m-xylene | 2      | 20    | 20.5   | 102 |      | 70 (60) | 130 (140) |
|                  |                  | Decachlorobiphenyl   | 2      | 20    | 20.4   | 102 |      | 70 (60) | 130 (140) |
| PB167143BL       | PB167143BL       | Tetrachloro-m-xylene | 1      | 20    | 20.4   | 102 |      | 30 (32) | 150 (144) |
|                  |                  | Decachlorobiphenyl   | 1      | 20    | 21.2   | 106 |      | 30 (32) | 150 (175) |
|                  |                  | Tetrachloro-m-xylene | 2      | 20    | 21.4   | 107 |      | 30 (32) | 150 (144) |
|                  |                  | Decachlorobiphenyl   | 2      | 20    | 21.0   | 105 |      | 30 (32) | 150 (175) |
| PB167143BS       | PB167143BS       | Tetrachloro-m-xylene | 1      | 20    | 21.4   | 107 |      | 30 (32) | 150 (144) |
|                  |                  | Decachlorobiphenyl   | 1      | 20    | 21.8   | 109 |      | 30 (32) | 150 (175) |
|                  |                  | Tetrachloro-m-xylene | 2      | 20    | 21.7   | 108 |      | 30 (32) | 150 (144) |
|                  |                  | Decachlorobiphenyl   | 2      | 20    | 20.0   | 100 |      | 30 (32) | 150 (175) |
| I.BLK-PP070562.D | PIBLK-PP070562.D | Tetrachloro-m-xylene | 1      | 20    | 20.1   | 100 |      | 70 (60) | 130 (140) |
|                  |                  | Decachlorobiphenyl   | 1      | 20    | 20.9   | 104 |      | 70 (60) | 130 (140) |
|                  |                  | Tetrachloro-m-xylene | 2      | 20    | 21.2   | 106 |      | 70 (60) | 130 (140) |
|                  |                  | Decachlorobiphenyl   | 2      | 20    | 20.2   | 101 |      | 70 (60) | 130 (140) |
| Q1572-06MS       | C0018MS          | Tetrachloro-m-xylene | 1      | 20    | 20.3   | 101 |      | 30 (32) | 150 (144) |

() = LABORATORY INHOUSE LIMIT

### Surrogate Summary

SDG No.: Q1574

Client: G Environmental

Analytical Method: 8082A

| Lab Sample ID    | Client ID        | Parameter            | Column | Spike | Result | Rec | Qual | Limits  |           |
|------------------|------------------|----------------------|--------|-------|--------|-----|------|---------|-----------|
|                  |                  |                      |        |       |        |     |      | Low     | High      |
| Q1572-06MS       | C0O18MS          | Decachlorobiphenyl   | 1      | 20    | 21.8   | 109 |      | 30 (32) | 150 (175) |
|                  |                  | Tetrachloro-m-xylene | 2      | 20    | 19.0   | 95  |      | 30 (32) | 150 (144) |
| Q1572-06MSD      | C0O18MSD         | Decachlorobiphenyl   | 2      | 20    | 34.0   | 170 | *    | 30 (32) | 150 (175) |
|                  |                  | Tetrachloro-m-xylene | 1      | 20    | 20.8   | 104 |      | 30 (32) | 150 (144) |
|                  |                  | Decachlorobiphenyl   | 1      | 20    | 22.3   | 112 |      | 30 (32) | 150 (175) |
|                  |                  | Tetrachloro-m-xylene | 2      | 20    | 19.6   | 98  |      | 30 (32) | 150 (144) |
|                  |                  | Decachlorobiphenyl   | 2      | 20    | 33.2   | 166 | *    | 30 (32) | 150 (175) |
| I.BLK-PP070572.D | PIBLK-PP070572.D | Tetrachloro-m-xylene | 1      | 20    | 20.2   | 101 |      | 70 (60) | 130 (140) |
|                  |                  | Decachlorobiphenyl   | 1      | 20    | 21.0   | 105 |      | 70 (60) | 130 (140) |
|                  |                  | Tetrachloro-m-xylene | 2      | 20    | 21.1   | 105 |      | 70 (60) | 130 (140) |
|                  |                  | Decachlorobiphenyl   | 2      | 20    | 20.5   | 102 |      | 70 (60) | 130 (140) |

### Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1574

Client: G Environmental

Analytical Method: 8082A

DataFile : PP070564.D

| Lab Sample ID:    | Parameter | Spike | Sample<br>Result | Result | Units | Rec  | Rec<br>Qual | RPD | RPD<br>Qual | Low     | Limits<br>High | RPD |
|-------------------|-----------|-------|------------------|--------|-------|------|-------------|-----|-------------|---------|----------------|-----|
| Client Sample ID: | C0018MS   |       |                  |        |       |      |             |     |             |         |                |     |
| Q1572-06MS        | AR1016    | 218.8 | 0                | 16000  | ug/kg | 7313 | *           |     |             | 40 (55) | 140 (146)      |     |
|                   | AR1260    | 218.8 | 930              | 1300   | ug/kg | 169  | *           |     |             | 40 (31) | 140 (146)      |     |

### Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1574

Client: G Environmental

Analytical Method: 8082A

DataFile : PP070565.D

| Lab Sample ID:    | Parameter | Spike | Sample<br>Result | Result | Units | Rec  | Rec<br>Qual | RPD | RPD<br>Qual | Low     | Limits<br>High | RPD     |
|-------------------|-----------|-------|------------------|--------|-------|------|-------------|-----|-------------|---------|----------------|---------|
| Client Sample ID: | C0018MSD  |       |                  |        |       |      |             |     |             |         |                |         |
| Q1572-06MSD       | AR1016    | 218.6 | 0                | 17000  | ug/kg | 7777 | *           | 6   |             | 40 (55) | 140 (146)      | 30 (20) |
|                   | AR1260    | 218.6 | 930              | 1400   | ug/kg | 215  | *           | 24  |             | 40 (31) | 140 (146)      | 30 (20) |



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Fax : 908 789 8922

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

**SW-846**

**SDG No.:** Q1574

**Client:** G Environmental

**Analytical Method:** **8082A** **Datafile :** PP070549.D

| Lab Sample ID | Parameter | Spike | Result | Units | Rec | RPD | Qual | RPD  |         | Limits    |  | RPD |
|---------------|-----------|-------|--------|-------|-----|-----|------|------|---------|-----------|--|-----|
|               |           |       |        |       |     |     |      | Qual | Low     | High      |  |     |
| PB167143BS    | AR1016    | 166.5 | 152    | ug/kg | 91  |     |      |      | 40 (71) | 140 (120) |  |     |
|               | AR1260    | 166.5 | 145    | ug/kg | 87  |     |      |      | 40 (65) | 140 (130) |  |     |

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB167143BL

Lab Name: CHEMTECH

Contract: GENV01

Lab Code: CHEM Case No.: Q1574

SAS No.: Q1574 SDG NO.: Q1574

Lab Sample ID: PB167143BL

Lab File ID: PP070548.D

Matrix: (soil/water) Solid

Extraction: (Type) SOXH

Sulfur Cleanup: (Y/N) N

Date Extracted: 03/14/2025

Date Analyzed (1): 03/14/2025

Date Analyzed (2): 03/14/2025

Time Analyzed (1): 22:36

Time Analyzed (2): 22:36

Instrument ID (1): ECD\_P

Instrument ID (2): ECD\_P

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

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

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

| EPA<br>SAMPLE NO. | LAB<br>SAMPLE ID | LAB<br>FILE ID | DATE<br>ANALYZED 1 | DATE<br>ANALYZED 2 |
|-------------------|------------------|----------------|--------------------|--------------------|
| WC1               | Q1574-01         | PO109929.D     | 03/17/2025         | 03/17/2025         |
| PB167143BS        | PB167143BS       | PP070549.D     | 03/14/2025         | 03/14/2025         |
| C0018MS           | Q1572-06MS       | PP070564.D     | 03/15/2025         | 03/15/2025         |
| C0018MSD          | Q1572-06MSD      | PP070565.D     | 03/15/2025         | 03/15/2025         |

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



# QC SAMPLE DATA

## Report of Analysis

|                    |                 |          |                    |       |           |
|--------------------|-----------------|----------|--------------------|-------|-----------|
| Client:            | G Environmental |          | Date Collected:    |       |           |
| Project:           | Ave L           |          | Date Received:     |       |           |
| Client Sample ID:  | PB167143BL      |          | SDG No.:           | Q1574 |           |
| Lab Sample ID:     | PB167143BL      |          | Matrix:            | SOIL  |           |
| Analytical Method: | SW8082A         |          | % Solid:           | 100   | Decanted: |
| Sample Wt/Vol:     | 30.01           | Units: g | Final Vol:         | 10000 | uL        |
| Soil Aliquot Vol:  |                 | uL       | Test:              | PCB   |           |
| Extraction Type:   |                 |          | Injection Volume : |       |           |
| GPC Factor :       | 1.0             | PH :     |                    |       |           |
| Prep Method :      | SW3541B         |          |                    |       |           |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| PP070548.D        | 1         | 03/14/25 12:25 | 03/14/25 22:36 | PB167143      |

| CAS Number        | Parameter            | Conc. | Qualifier | MDL                 | LOQ / CRQL | Units(Dry Weight) |
|-------------------|----------------------|-------|-----------|---------------------|------------|-------------------|
| <b>TARGETS</b>    |                      |       |           |                     |            |                   |
| 12674-11-2        | Aroclor-1016         | 3.90  | U         | 3.90                | 17.0       | ug/kg             |
| 11104-28-2        | Aroclor-1221         | 4.00  | U         | 4.00                | 17.0       | ug/kg             |
| 11141-16-5        | Aroclor-1232         | 3.70  | U         | 3.70                | 17.0       | ug/kg             |
| 53469-21-9        | Aroclor-1242         | 4.00  | U         | 4.00                | 17.0       | ug/kg             |
| 12672-29-6        | Aroclor-1248         | 5.90  | U         | 5.90                | 17.0       | ug/kg             |
| 11097-69-1        | Aroclor-1254         | 3.20  | U         | 3.20                | 17.0       | ug/kg             |
| 37324-23-5        | Aroclor-1262         | 5.00  | U         | 5.00                | 17.0       | ug/kg             |
| 11100-14-4        | Aroclor-1268         | 3.60  | U         | 3.60                | 17.0       | ug/kg             |
| 11096-82-5        | Aroclor-1260         | 3.20  | U         | 3.20                | 17.0       | ug/kg             |
| <b>SURROGATES</b> |                      |       |           |                     |            |                   |
| 877-09-8          | Tetrachloro-m-xylene | 21.4  |           | 30 (32) - 150 (144) | 107%       | SPK: 20           |
| 2051-24-3         | Decachlorobiphenyl   | 21.2  |           | 30 (32) - 150 (175) | 106%       | SPK: 20           |

### Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit



## Report of Analysis

|                    |                  |           |                    |          |           |
|--------------------|------------------|-----------|--------------------|----------|-----------|
| Client:            | G Environmental  |           | Date Collected:    | 02/20/25 |           |
| Project:           | Ave L            |           | Date Received:     | 02/20/25 |           |
| Client Sample ID:  | PIBLK-PO109425.D |           | SDG No.:           | Q1574    |           |
| Lab Sample ID:     | I.BLK-PO109425.D |           | Matrix:            | WATER    |           |
| Analytical Method: | SW8082A          |           | % Solid:           | 0        | Decanted: |
| Sample Wt/Vol:     | 1000             | Units: mL | Final Vol:         | 10000    | uL        |
| Soil Aliquot Vol:  |                  | uL        | Test:              | PCB      |           |
| Extraction Type:   |                  |           | Injection Volume : |          |           |
| GPC Factor :       | 1.0              | PH :      |                    |          |           |
| Prep Method :      | 5030             |           |                    |          |           |

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

| CAS Number        | Parameter            | Conc. | Qualifier | MDL                 | LOQ / CRQL | Units   |
|-------------------|----------------------|-------|-----------|---------------------|------------|---------|
| <b>TARGETS</b>    |                      |       |           |                     |            |         |
| 12674-11-2        | Aroclor-1016         | 0.097 | U         | 0.097               | 0.50       | ug/L    |
| 11104-28-2        | Aroclor-1221         | 0.13  | U         | 0.13                | 0.50       | ug/L    |
| 11141-16-5        | Aroclor-1232         | 0.096 | U         | 0.096               | 0.50       | ug/L    |
| 53469-21-9        | Aroclor-1242         | 0.12  | U         | 0.12                | 0.50       | ug/L    |
| 12672-29-6        | Aroclor-1248         | 0.071 | U         | 0.071               | 0.50       | ug/L    |
| 11097-69-1        | Aroclor-1254         | 0.094 | U         | 0.094               | 0.50       | ug/L    |
| 11096-82-5        | Aroclor-1260         | 0.081 | U         | 0.081               | 0.50       | ug/L    |
| 37324-23-5        | Aroclor-1262         | 0.14  | U         | 0.14                | 0.50       | ug/L    |
| 11100-14-4        | Aroclor-1268         | 0.11  | U         | 0.11                | 0.50       | ug/L    |
| <b>SURROGATES</b> |                      |       |           |                     |            |         |
| 877-09-8          | Tetrachloro-m-xylene | 24.1  |           | 70 (60) - 130 (140) | 121%       | SPK: 20 |
| 2051-24-3         | Decachlorobiphenyl   | 25.3  |           | 70 (60) - 130 (140) | 126%       | SPK: 20 |

### Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >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:            | G Environmental  |           | Date Collected:    | 03/17/25 |           |
| Project:           | Ave L            |           | Date Received:     | 03/17/25 |           |
| Client Sample ID:  | PIBLK-PO109927.D |           | SDG No.:           | Q1574    |           |
| Lab Sample ID:     | I.BLK-PO109927.D |           | Matrix:            | WATER    |           |
| Analytical Method: | SW8082A          |           | % Solid:           | 0        | Decanted: |
| Sample Wt/Vol:     | 1000             | Units: mL | Final Vol:         | 10000    | uL        |
| Soil Aliquot Vol:  |                  | uL        | Test:              | PCB      |           |
| Extraction Type:   |                  |           | Injection Volume : |          |           |
| GPC Factor :       | 1.0              | PH :      |                    |          |           |
| Prep Method :      | 5030             |           |                    |          |           |

|                   |           |           |               |               |
|-------------------|-----------|-----------|---------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
| PO109927.D        | 1         |           | 03/17/25      | PO031725      |

| CAS Number        | Parameter            | Conc. | Qualifier | MDL                 | LOQ / CRQL | Units   |
|-------------------|----------------------|-------|-----------|---------------------|------------|---------|
| <b>TARGETS</b>    |                      |       |           |                     |            |         |
| 12674-11-2        | Aroclor-1016         | 0.097 | U         | 0.097               | 0.50       | ug/L    |
| 11104-28-2        | Aroclor-1221         | 0.13  | U         | 0.13                | 0.50       | ug/L    |
| 11141-16-5        | Aroclor-1232         | 0.096 | U         | 0.096               | 0.50       | ug/L    |
| 53469-21-9        | Aroclor-1242         | 0.12  | U         | 0.12                | 0.50       | ug/L    |
| 12672-29-6        | Aroclor-1248         | 0.071 | U         | 0.071               | 0.50       | ug/L    |
| 11097-69-1        | Aroclor-1254         | 0.094 | U         | 0.094               | 0.50       | ug/L    |
| 11096-82-5        | Aroclor-1260         | 0.081 | U         | 0.081               | 0.50       | ug/L    |
| 37324-23-5        | Aroclor-1262         | 0.14  | U         | 0.14                | 0.50       | ug/L    |
| 11100-14-4        | Aroclor-1268         | 0.11  | U         | 0.11                | 0.50       | ug/L    |
| <b>SURROGATES</b> |                      |       |           |                     |            |         |
| 877-09-8          | Tetrachloro-m-xylene | 20.0  |           | 70 (60) - 130 (140) | 100%       | SPK: 20 |
| 2051-24-3         | Decachlorobiphenyl   | 17.1  |           | 70 (60) - 130 (140) | 86%        | SPK: 20 |

### Comments:

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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

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\* = 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:            | G Environmental  | Date Collected:    | 03/17/25 |
| Project:           | Ave L            | Date Received:     | 03/17/25 |
| Client Sample ID:  | PIBLK-PO109939.D | SDG No.:           | Q1574    |
| Lab Sample ID:     | I.BLK-PO109939.D | Matrix:            | WATER    |
| Analytical Method: | SW8082A          | % Solid:           | 0        |
| Sample Wt/Vol:     | 1000 Units: mL   | Decanted:          |          |
| Soil Aliquot Vol:  | uL               | Final Vol:         | 10000 uL |
| Extraction Type:   |                  | Test:              | PCB      |
| GPC Factor :       | 1.0              | Injection Volume : |          |
| Prep Method :      | 5030             |                    |          |

|                   |           |           |               |               |
|-------------------|-----------|-----------|---------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
| PO109939.D        | 1         |           | 03/17/25      | PO031725      |

| CAS Number        | Parameter            | Conc. | Qualifier | MDL                 | LOQ / CRQL | Units   |
|-------------------|----------------------|-------|-----------|---------------------|------------|---------|
| <b>TARGETS</b>    |                      |       |           |                     |            |         |
| 12674-11-2        | Aroclor-1016         | 0.097 | U         | 0.097               | 0.50       | ug/L    |
| 11104-28-2        | Aroclor-1221         | 0.13  | U         | 0.13                | 0.50       | ug/L    |
| 11141-16-5        | Aroclor-1232         | 0.096 | U         | 0.096               | 0.50       | ug/L    |
| 53469-21-9        | Aroclor-1242         | 0.12  | U         | 0.12                | 0.50       | ug/L    |
| 12672-29-6        | Aroclor-1248         | 0.071 | U         | 0.071               | 0.50       | ug/L    |
| 11097-69-1        | Aroclor-1254         | 0.094 | U         | 0.094               | 0.50       | ug/L    |
| 11096-82-5        | Aroclor-1260         | 0.081 | U         | 0.081               | 0.50       | ug/L    |
| 37324-23-5        | Aroclor-1262         | 0.14  | U         | 0.14                | 0.50       | ug/L    |
| 11100-14-4        | Aroclor-1268         | 0.11  | U         | 0.11                | 0.50       | ug/L    |
| <b>SURROGATES</b> |                      |       |           |                     |            |         |
| 877-09-8          | Tetrachloro-m-xylene | 20.4  |           | 70 (60) - 130 (140) | 102%       | SPK: 20 |
| 2051-24-3         | Decachlorobiphenyl   | 16.5  |           | 70 (60) - 130 (140) | 83%        | SPK: 20 |

### Comments:

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

Q = indicates LCS control criteria did not meet requirements

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J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

## Report of Analysis

|                    |                  |           |                    |          |           |
|--------------------|------------------|-----------|--------------------|----------|-----------|
| Client:            | G Environmental  |           | Date Collected:    | 03/11/25 |           |
| Project:           | Ave L            |           | Date Received:     | 03/11/25 |           |
| Client Sample ID:  | PIBLK-PP070418.D |           | SDG No.:           | Q1574    |           |
| Lab Sample ID:     | I.BLK-PP070418.D |           | Matrix:            | WATER    |           |
| Analytical Method: | SW8082A          |           | % Solid:           | 0        | Decanted: |
| Sample Wt/Vol:     | 1000             | Units: mL | Final Vol:         | 10000    | uL        |
| Soil Aliquot Vol:  |                  | uL        | Test:              | PCB      |           |
| Extraction Type:   |                  |           | Injection Volume : |          |           |
| GPC Factor :       | 1.0              | PH :      |                    |          |           |
| Prep Method :      | 5030             |           |                    |          |           |

|                   |           |           |               |               |
|-------------------|-----------|-----------|---------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
| PP070418.D        | 1         |           | 03/11/25      | pp031125      |

| CAS Number        | Parameter            | Conc. | Qualifier | MDL                 | LOQ / CRQL | Units   |
|-------------------|----------------------|-------|-----------|---------------------|------------|---------|
| <b>TARGETS</b>    |                      |       |           |                     |            |         |
| 12674-11-2        | Aroclor-1016         | 0.097 | U         | 0.097               | 0.50       | ug/L    |
| 11104-28-2        | Aroclor-1221         | 0.13  | U         | 0.13                | 0.50       | ug/L    |
| 11141-16-5        | Aroclor-1232         | 0.096 | U         | 0.096               | 0.50       | ug/L    |
| 53469-21-9        | Aroclor-1242         | 0.12  | U         | 0.12                | 0.50       | ug/L    |
| 12672-29-6        | Aroclor-1248         | 0.071 | U         | 0.071               | 0.50       | ug/L    |
| 11097-69-1        | Aroclor-1254         | 0.094 | U         | 0.094               | 0.50       | ug/L    |
| 11096-82-5        | Aroclor-1260         | 0.081 | U         | 0.081               | 0.50       | ug/L    |
| 37324-23-5        | Aroclor-1262         | 0.14  | U         | 0.14                | 0.50       | ug/L    |
| 11100-14-4        | Aroclor-1268         | 0.11  | U         | 0.11                | 0.50       | ug/L    |
| <b>SURROGATES</b> |                      |       |           |                     |            |         |
| 877-09-8          | Tetrachloro-m-xylene | 22.0  |           | 70 (60) - 130 (140) | 110%       | SPK: 20 |
| 2051-24-3         | Decachlorobiphenyl   | 23.1  |           | 70 (60) - 130 (140) | 116%       | SPK: 20 |

### Comments:

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## Report of Analysis

|                    |                  |           |                    |          |           |
|--------------------|------------------|-----------|--------------------|----------|-----------|
| Client:            | G Environmental  |           | Date Collected:    | 03/14/25 |           |
| Project:           | Ave L            |           | Date Received:     | 03/14/25 |           |
| Client Sample ID:  | PIBLK-PP070547.D |           | SDG No.:           | Q1574    |           |
| Lab Sample ID:     | I.BLK-PP070547.D |           | Matrix:            | WATER    |           |
| Analytical Method: | SW8082A          |           | % Solid:           | 0        | Decanted: |
| Sample Wt/Vol:     | 1000             | Units: mL | Final Vol:         | 10000    | uL        |
| Soil Aliquot Vol:  |                  | uL        | Test:              | PCB      |           |
| Extraction Type:   |                  |           | Injection Volume : |          |           |
| GPC Factor :       | 1.0              | PH :      |                    |          |           |
| Prep Method :      | 5030             |           |                    |          |           |

|                   |           |           |               |               |
|-------------------|-----------|-----------|---------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
| PP070547.D        | 1         |           | 03/14/25      | pp031425      |

| CAS Number        | Parameter            | Conc. | Qualifier | MDL                 | LOQ / CRQL | Units   |
|-------------------|----------------------|-------|-----------|---------------------|------------|---------|
| <b>TARGETS</b>    |                      |       |           |                     |            |         |
| 12674-11-2        | Aroclor-1016         | 0.097 | U         | 0.097               | 0.50       | ug/L    |
| 11104-28-2        | Aroclor-1221         | 0.13  | U         | 0.13                | 0.50       | ug/L    |
| 11141-16-5        | Aroclor-1232         | 0.096 | U         | 0.096               | 0.50       | ug/L    |
| 53469-21-9        | Aroclor-1242         | 0.12  | U         | 0.12                | 0.50       | ug/L    |
| 12672-29-6        | Aroclor-1248         | 0.071 | U         | 0.071               | 0.50       | ug/L    |
| 11097-69-1        | Aroclor-1254         | 0.094 | U         | 0.094               | 0.50       | ug/L    |
| 11096-82-5        | Aroclor-1260         | 0.081 | U         | 0.081               | 0.50       | ug/L    |
| 37324-23-5        | Aroclor-1262         | 0.14  | U         | 0.14                | 0.50       | ug/L    |
| 11100-14-4        | Aroclor-1268         | 0.11  | U         | 0.11                | 0.50       | ug/L    |
| <b>SURROGATES</b> |                      |       |           |                     |            |         |
| 877-09-8          | Tetrachloro-m-xylene | 19.5  |           | 70 (60) - 130 (140) | 97%        | SPK: 20 |
| 2051-24-3         | Decachlorobiphenyl   | 20.3  |           | 70 (60) - 130 (140) | 101%       | SPK: 20 |

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## Report of Analysis

|                    |                  |           |                    |          |           |
|--------------------|------------------|-----------|--------------------|----------|-----------|
| Client:            | G Environmental  |           | Date Collected:    | 03/15/25 |           |
| Project:           | Ave L            |           | Date Received:     | 03/15/25 |           |
| Client Sample ID:  | PIBLK-PP070562.D |           | SDG No.:           | Q1574    |           |
| Lab Sample ID:     | I.BLK-PP070562.D |           | Matrix:            | WATER    |           |
| Analytical Method: | SW8082A          |           | % Solid:           | 0        | Decanted: |
| Sample Wt/Vol:     | 1000             | Units: mL | Final Vol:         | 10000    | uL        |
| Soil Aliquot Vol:  |                  | uL        | Test:              | PCB      |           |
| Extraction Type:   |                  |           | Injection Volume : |          |           |
| GPC Factor :       | 1.0              | PH :      |                    |          |           |
| Prep Method :      | 5030             |           |                    |          |           |

|                   |           |           |               |               |
|-------------------|-----------|-----------|---------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
| PP070562.D        | 1         |           | 03/15/25      | pp031425      |

| CAS Number        | Parameter            | Conc. | Qualifier | MDL                 | LOQ / CRQL | Units   |
|-------------------|----------------------|-------|-----------|---------------------|------------|---------|
| <b>TARGETS</b>    |                      |       |           |                     |            |         |
| 12674-11-2        | Aroclor-1016         | 0.097 | U         | 0.097               | 0.50       | ug/L    |
| 11104-28-2        | Aroclor-1221         | 0.13  | U         | 0.13                | 0.50       | ug/L    |
| 11141-16-5        | Aroclor-1232         | 0.096 | U         | 0.096               | 0.50       | ug/L    |
| 53469-21-9        | Aroclor-1242         | 0.12  | U         | 0.12                | 0.50       | ug/L    |
| 12672-29-6        | Aroclor-1248         | 0.071 | U         | 0.071               | 0.50       | ug/L    |
| 11097-69-1        | Aroclor-1254         | 0.094 | U         | 0.094               | 0.50       | ug/L    |
| 11096-82-5        | Aroclor-1260         | 0.081 | U         | 0.081               | 0.50       | ug/L    |
| 37324-23-5        | Aroclor-1262         | 0.14  | U         | 0.14                | 0.50       | ug/L    |
| 11100-14-4        | Aroclor-1268         | 0.11  | U         | 0.11                | 0.50       | ug/L    |
| <b>SURROGATES</b> |                      |       |           |                     |            |         |
| 877-09-8          | Tetrachloro-m-xylene | 20.1  |           | 70 (60) - 130 (140) | 100%       | SPK: 20 |
| 2051-24-3         | Decachlorobiphenyl   | 20.2  |           | 70 (60) - 130 (140) | 101%       | SPK: 20 |

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## Report of Analysis

|                    |                  |           |                    |          |           |
|--------------------|------------------|-----------|--------------------|----------|-----------|
| Client:            | G Environmental  |           | Date Collected:    | 03/15/25 |           |
| Project:           | Ave L            |           | Date Received:     | 03/15/25 |           |
| Client Sample ID:  | PIBLK-PP070572.D |           | SDG No.:           | Q1574    |           |
| Lab Sample ID:     | I.BLK-PP070572.D |           | Matrix:            | WATER    |           |
| Analytical Method: | SW8082A          |           | % Solid:           | 0        | Decanted: |
| Sample Wt/Vol:     | 1000             | Units: mL | Final Vol:         | 10000    | uL        |
| Soil Aliquot Vol:  |                  | uL        | Test:              | PCB      |           |
| Extraction Type:   |                  |           | Injection Volume : |          |           |
| GPC Factor :       | 1.0              | PH :      |                    |          |           |
| Prep Method :      | 5030             |           |                    |          |           |

|                   |           |           |               |               |
|-------------------|-----------|-----------|---------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
| PP070572.D        | 1         |           | 03/15/25      | pp031425      |

| CAS Number        | Parameter            | Conc. | Qualifier | MDL                 | LOQ / CRQL | Units   |
|-------------------|----------------------|-------|-----------|---------------------|------------|---------|
| <b>TARGETS</b>    |                      |       |           |                     |            |         |
| 12674-11-2        | Aroclor-1016         | 0.097 | U         | 0.097               | 0.50       | ug/L    |
| 11104-28-2        | Aroclor-1221         | 0.13  | U         | 0.13                | 0.50       | ug/L    |
| 11141-16-5        | Aroclor-1232         | 0.096 | U         | 0.096               | 0.50       | ug/L    |
| 53469-21-9        | Aroclor-1242         | 0.12  | U         | 0.12                | 0.50       | ug/L    |
| 12672-29-6        | Aroclor-1248         | 0.071 | U         | 0.071               | 0.50       | ug/L    |
| 11097-69-1        | Aroclor-1254         | 0.094 | U         | 0.094               | 0.50       | ug/L    |
| 11096-82-5        | Aroclor-1260         | 0.081 | U         | 0.081               | 0.50       | ug/L    |
| 37324-23-5        | Aroclor-1262         | 0.14  | U         | 0.14                | 0.50       | ug/L    |
| 11100-14-4        | Aroclor-1268         | 0.11  | U         | 0.11                | 0.50       | ug/L    |
| <b>SURROGATES</b> |                      |       |           |                     |            |         |
| 877-09-8          | Tetrachloro-m-xylene | 20.2  |           | 70 (60) - 130 (140) | 101%       | SPK: 20 |
| 2051-24-3         | Decachlorobiphenyl   | 20.5  |           | 70 (60) - 130 (140) | 102%       | SPK: 20 |

### Comments:

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() = Laboratory InHouse Limit

## Report of Analysis

|                    |                 |          |                    |       |           |
|--------------------|-----------------|----------|--------------------|-------|-----------|
| Client:            | G Environmental |          | Date Collected:    |       |           |
| Project:           | Ave L           |          | Date Received:     |       |           |
| Client Sample ID:  | PB167143BS      |          | SDG No.:           | Q1574 |           |
| Lab Sample ID:     | PB167143BS      |          | Matrix:            | SOIL  |           |
| Analytical Method: | SW8082A         |          | % Solid:           | 100   | Decanted: |
| Sample Wt/Vol:     | 30.03           | Units: g | Final Vol:         | 10000 | uL        |
| Soil Aliquot Vol:  |                 | uL       | Test:              | PCB   |           |
| Extraction Type:   |                 |          | Injection Volume : |       |           |
| GPC Factor :       | 1.0             | PH :     |                    |       |           |
| Prep Method :      | SW3541B         |          |                    |       |           |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| PP070549.D        | 1         | 03/14/25 12:25 | 03/14/25 22:52 | PB167143      |

| CAS Number        | Parameter            | Conc. | Qualifier | MDL                 | LOQ / CRQL | Units(Dry Weight) |
|-------------------|----------------------|-------|-----------|---------------------|------------|-------------------|
| <b>TARGETS</b>    |                      |       |           |                     |            |                   |
| 12674-11-2        | Aroclor-1016         | 152   |           | 3.90                | 17.0       | ug/kg             |
| 11104-28-2        | Aroclor-1221         | 4.00  | U         | 4.00                | 17.0       | ug/kg             |
| 11141-16-5        | Aroclor-1232         | 3.70  | U         | 3.70                | 17.0       | ug/kg             |
| 53469-21-9        | Aroclor-1242         | 4.00  | U         | 4.00                | 17.0       | ug/kg             |
| 12672-29-6        | Aroclor-1248         | 5.90  | U         | 5.90                | 17.0       | ug/kg             |
| 11097-69-1        | Aroclor-1254         | 3.20  | U         | 3.20                | 17.0       | ug/kg             |
| 37324-23-5        | Aroclor-1262         | 5.00  | U         | 5.00                | 17.0       | ug/kg             |
| 11100-14-4        | Aroclor-1268         | 3.60  | U         | 3.60                | 17.0       | ug/kg             |
| 11096-82-5        | Aroclor-1260         | 145   |           | 3.20                | 17.0       | ug/kg             |
| <b>SURROGATES</b> |                      |       |           |                     |            |                   |
| 877-09-8          | Tetrachloro-m-xylene | 21.7  |           | 30 (32) - 150 (144) | 108%       | SPK: 20           |
| 2051-24-3         | Decachlorobiphenyl   | 21.8  |           | 30 (32) - 150 (175) | 109%       | SPK: 20           |

### Comments:

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B = Analyte Found in Associated Method Blank

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\* = 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:            | G Environmental | Date Collected: | 03/12/25 |
| Project:           | Ave L           | Date Received:  | 03/14/25 |
| Client Sample ID:  | C0018MS         | SDG No.:        | Q1574    |
| Lab Sample ID:     | Q1572-06MS      | Matrix:         | SOIL     |
| Analytical Method: | SW8082A         | % Solid:        | 76       |
| Sample Wt/Vol:     | 30.07           | Units:          | g        |
| Soil Aliquot Vol:  |                 |                 | uL       |
| Extraction Type:   |                 | Test:           | PCB      |
| GPC Factor :       | 1.0             | PH :            |          |
| Prep Method :      | SW3541B         | Decanted:       |          |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| PP070564.D        | 1         | 03/14/25 12:25 | 03/15/25 03:29 | PB167143      |

| CAS Number        | Parameter            | Conc. | Qualifier | MDL                 | LOQ / CRQL | Units(Dry Weight) |
|-------------------|----------------------|-------|-----------|---------------------|------------|-------------------|
| <b>TARGETS</b>    |                      |       |           |                     |            |                   |
| 12674-11-2        | Aroclor-1016         | 16000 | E         | 5.20                | 22.3       | ug/kg             |
| 11104-28-2        | Aroclor-1221         | 5.30  | U         | 5.30                | 22.3       | ug/kg             |
| 11141-16-5        | Aroclor-1232         | 4.90  | U         | 4.90                | 22.3       | ug/kg             |
| 53469-21-9        | Aroclor-1242         | 5.30  | U         | 5.30                | 22.3       | ug/kg             |
| 12672-29-6        | Aroclor-1248         | 18000 | E         | 7.80                | 22.3       | ug/kg             |
| 11097-69-1        | Aroclor-1254         | 4.20  | U         | 4.20                | 22.3       | ug/kg             |
| 37324-23-5        | Aroclor-1262         | 6.60  | U         | 6.60                | 22.3       | ug/kg             |
| 11100-14-4        | Aroclor-1268         | 4.70  | U         | 4.70                | 22.3       | ug/kg             |
| 11096-82-5        | Aroclor-1260         | 1300  | E         | 4.20                | 22.3       | ug/kg             |
| <b>SURROGATES</b> |                      |       |           |                     |            |                   |
| 877-09-8          | Tetrachloro-m-xylene | 20.3  |           | 30 (32) - 150 (144) | 101%       | SPK: 20           |
| 2051-24-3         | Decachlorobiphenyl   | 34.0  | *         | 30 (32) - 150 (175) | 170%       | SPK: 20           |

### Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

## Report of Analysis

|                    |                 |                    |          |
|--------------------|-----------------|--------------------|----------|
| Client:            | G Environmental | Date Collected:    | 03/12/25 |
| Project:           | Ave L           | Date Received:     | 03/14/25 |
| Client Sample ID:  | C0018MSD        | SDG No.:           | Q1574    |
| Lab Sample ID:     | Q1572-06MSD     | Matrix:            | SOIL     |
| Analytical Method: | SW8082A         | % Solid:           | 76       |
| Sample Wt/Vol:     | 30.09           | Units:             | g        |
| Soil Aliquot Vol:  |                 |                    | uL       |
| Extraction Type:   |                 | Test:              | PCB      |
| GPC Factor :       | 1.0             | PH :               |          |
| Prep Method :      | SW3541B         | Injection Volume : |          |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| PP070565.D        | 1         | 03/14/25 12:25 | 03/15/25 03:45 | PB167143      |

| CAS Number        | Parameter            | Conc. | Qualifier | MDL                 | LOQ / CRQL | Units(Dry Weight) |
|-------------------|----------------------|-------|-----------|---------------------|------------|-------------------|
| <b>TARGETS</b>    |                      |       |           |                     |            |                   |
| 12674-11-2        | Aroclor-1016         | 17000 | E         | 5.20                | 22.3       | ug/kg             |
| 11104-28-2        | Aroclor-1221         | 5.30  | U         | 5.30                | 22.3       | ug/kg             |
| 11141-16-5        | Aroclor-1232         | 4.90  | U         | 4.90                | 22.3       | ug/kg             |
| 53469-21-9        | Aroclor-1242         | 5.30  | U         | 5.30                | 22.3       | ug/kg             |
| 12672-29-6        | Aroclor-1248         | 19000 | E         | 7.80                | 22.3       | ug/kg             |
| 11097-69-1        | Aroclor-1254         | 4.20  | U         | 4.20                | 22.3       | ug/kg             |
| 37324-23-5        | Aroclor-1262         | 6.60  | U         | 6.60                | 22.3       | ug/kg             |
| 11100-14-4        | Aroclor-1268         | 4.70  | U         | 4.70                | 22.3       | ug/kg             |
| 11096-82-5        | Aroclor-1260         | 1400  | E         | 4.20                | 22.3       | ug/kg             |
| <b>SURROGATES</b> |                      |       |           |                     |            |                   |
| 877-09-8          | Tetrachloro-m-xylene | 20.8  |           | 30 (32) - 150 (144) | 104%       | SPK: 20           |
| 2051-24-3         | Decachlorobiphenyl   | 33.2  | *         | 30 (32) - 150 (175) | 166%       | SPK: 20           |

### Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit



# CALIBRATION SUMMARY

[illegible]

**RETENTION TIMES OF INITIAL CALIBRATION**

|                      |      |      |      |      |      |      |      |      |
|----------------------|------|------|------|------|------|------|------|------|
| Decachlorobiphenyl   | 8.76 | 8.76 | 8.75 | 8.76 | 8.75 | 8.76 | 8.66 | 8.86 |
| Tetrachloro-m-xylene | 3.70 | 3.70 | 3.70 | 3.70 | 3.70 | 3.70 | 3.60 | 3.80 |

A  
B  
C  
D  
E  
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G  
H  
I  
J  
K  
L

A  
B  
C  
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E  
F  
G  
H  
I  
J  
K  
L

**Calibration Times:** 16:46 01:02

ID: 0.32 (mm)

[illegible]

**RETENTION TIMES OF INITIAL CALIBRATION**

|                      |      |      |      |      |      |      |      |      |
|----------------------|------|------|------|------|------|------|------|------|
| Decachlorobiphenyl   | 8.71 | 8.71 | 8.71 | 8.71 | 8.70 | 8.71 | 8.61 | 8.81 |
| Tetrachloro-m-xylene | 3.69 | 3.69 | 3.69 | 3.69 | 3.69 | 3.69 | 3.59 | 3.79 |

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

**CALIBRATION FACTOR OF INITIAL CALIBRATION**

**Contract:** GENV01

**Lab Code:** CHEM **Case No.:** Q1574 **SAS No.:** Q1574 **SDG NO.:** Q1574

**Instrument ID:** ECD\_O **Calibration Date(s):** 02/20/2025 02/21/2025  
**Calibration Times:** 16:46 01:02

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

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



**CALIBRATION FACTOR OF INITIAL CALIBRATION**

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

**CALIBRATION FACTOR OF INITIAL CALIBRATION**

**Contract:** GENV01

**Lab Code:** CHEM **Case No.:** Q1574 **SAS No.:** Q1574 **SDG NO.:** Q1574

**Instrument ID:** ECD\_O **Calibration Date(s):** 02/20/2025 02/21/2025  
**Calibration Times:** 16:46 01:02

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

| LAB FILE ID:               |     | CF 1000 = <u>PO109426.D</u> |            | CF 750 = <u>PO109427.D</u> |            |            |       |
|----------------------------|-----|-----------------------------|------------|----------------------------|------------|------------|-------|
| CF 500 = <u>PO109428.D</u> |     | CF 250 = <u>PO109429.D</u>  |            | CF 050 = <u>PO109430.D</u> |            |            |       |
| COMPOUND                   |     | CF 1000                     | CF 750     | CF 500                     | CF 250     | CF 050     | % RSD |
| Aroclor-1016-1             | (1) | 144422659                   | 148428763  | 152032096                  | 167484860  | 168484300  | 7     |
| Aroclor-1016-2             | (2) | 205202725                   | 208508729  | 213432994                  | 229519564  | 225505040  | 5     |
| Aroclor-1016-3             | (3) | 112302196                   | 115067393  | 117212622                  | 128579748  | 124094120  | 6     |
| Aroclor-1016-4             | (4) | 94709981                    | 98717735   | 101165102                  | 112923876  | 112836120  | 8     |
| Aroclor-1016-5             | (5) | 124417087                   | 127943616  | 132644098                  | 146345704  | 149917060  | 8     |
| Aroclor-1260-1             | (1) | 217936136                   | 223782013  | 232739904                  | 251644640  | 258495520  | 7     |
| Aroclor-1260-2             | (2) | 255563339                   | 259366392  | 268832038                  | 291215424  | 300878620  | 7     |
| Aroclor-1260-3             | (3) | 239301078                   | 242165468  | 249897958                  | 270279452  | 273707020  | 6     |
| Aroclor-1260-4             | (4) | 193987222                   | 196916529  | 202218624                  | 218214048  | 219624820  | 6     |
| Aroclor-1260-5             | (5) | 436097628                   | 435546231  | 443785112                  | 464386884  | 459099080  | 3     |
| Decachlorobiphenyl         |     | 2971514290                  | 3027039307 | 3156019460                 | 3385128400 | 3381593200 | 6     |
| Tetrachloro-m-xylene       |     | 5186272490                  | 5246400280 | 5221242400                 | 5478386840 | 5038748400 | 3     |
| Aroclor-1242-1             | (1) | 120966720                   | 124746516  | 133128702                  | 141428800  | 141463920  | 7     |
| Aroclor-1242-2             | (2) | 169605960                   | 173512545  | 183266616                  | 192017376  | 189176180  | 5     |
| Aroclor-1242-3             | (3) | 93390359                    | 96634075   | 102245092                  | 107691940  | 99411220   | 5     |
| Aroclor-1242-4             | (4) | 96389066                    | 101019272  | 107789002                  | 115338428  | 114056640  | 8     |
| Aroclor-1242-5             | (5) | 113196636                   | 117716005  | 125239314                  | 135801980  | 136573300  | 8     |
| Decachlorobiphenyl         |     | 2727823240                  | 2861750760 | 3019178360                 | 3243379080 | 3243962600 | 8     |
| Tetrachloro-m-xylene       |     | 5001213420                  | 5078322907 | 5254229320                 | 5289448280 | 4851665000 | 4     |
| Aroclor-1248-1             | (1) | 91256927                    | 94139561   | 100767396                  | 107614600  | 108857060  | 8     |
| Aroclor-1248-2             | (2) | 130560541                   | 136645137  | 146421094                  | 157143508  | 156628300  | 8     |
| Aroclor-1248-3             | (3) | 139283148                   | 144897643  | 155701690                  | 166430352  | 168727860  | 8     |
| Aroclor-1248-4             | (4) | 163903044                   | 169411200  | 180364434                  | 193711724  | 196594760  | 8     |
| Aroclor-1248-5             | (5) | 154356880                   | 158447996  | 169575560                  | 183331920  | 195308840  | 10    |
| Decachlorobiphenyl         |     | 2790488700                  | 2873613467 | 3038569420                 | 3241156720 | 3294897400 | 7     |
| Tetrachloro-m-xylene       |     | 4955293160                  | 5040468413 | 5221131320                 | 5264696400 | 4750589600 | 4     |
| Aroclor-1254-1             | (1) | 243640751                   | 248872624  | 260914738                  | 280861344  | 273402140  | 6     |
| Aroclor-1254-2             | (2) | 212545511                   | 218679507  | 230680254                  | 249214456  | 261687520  | 9     |
| Aroclor-1254-3             | (3) | 339799719                   | 346366689  | 360950750                  | 378906048  | 357499640  | 4     |
| Aroclor-1254-4             | (4) | 192329190                   | 189854227  | 199746634                  | 214807996  | 168878980  | 9     |
| Aroclor-1254-5             | (5) | 278490681                   | 283928981  | 296376396                  | 314100456  | 310764660  | 5     |
| Decachlorobiphenyl         |     | 2841760820                  | 2921691133 | 3072525860                 | 3310057280 | 3280037800 | 7     |
| Tetrachloro-m-xylene       |     | 5117525260                  | 5147853200 | 5214583540                 | 5337931960 | 4481650800 | 7     |
| Aroclor-1268-1             | (1) | 554131487                   | 553810328  | 564174560                  | 591076320  | 593868340  | 3     |

**CALIBRATION FACTOR OF INITIAL CALIBRATION**

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

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: GENV01

Lab Code: CHEM Case No.: Q1574 SAS No.: Q1574 SDG NO.: Q1574

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

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

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

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: GENV01

Lab Code: CHEM Case No.: Q1574 SAS No.: Q1574 SDG NO.: Q1574

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

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

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

# RETENTION TIMES OF INITIAL CALIBRATION

Contract: GENV01

Lab Code: CHEM Case No.: Q1574 SAS No.: Q1574 SDG NO.: Q1574

Instrument ID: ECD\_P Calibration Date(s): 03/11/2025 03/11/2025

Calibration Times: 15:13 23:38

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

|                            |                             |                            |
|----------------------------|-----------------------------|----------------------------|
| LAB FILE ID:               | RT 1000 = <u>PP070419.D</u> | RT 750 = <u>PP070420.D</u> |
| RT 500 = <u>PP070421.D</u> | RT 250 = <u>PP070422.D</u>  | RT 050 = <u>PP070423.D</u> |

| COMPOUND             |     | RT 1000 | RT 750 | RT 500 | RT 250 | RT 050 | MEAN<br>RT | RT WINDOW |       |
|----------------------|-----|---------|--------|--------|--------|--------|------------|-----------|-------|
|                      |     |         |        |        |        |        |            | FROM      | TO    |
| Aroclor-1016-1       | (1) | 5.68    | 5.68   | 5.68   | 5.68   | 5.68   | 5.68       | 5.58      | 5.78  |
| Aroclor-1016-2       | (2) | 5.70    | 5.70   | 5.70   | 5.70   | 5.70   | 5.70       | 5.60      | 5.80  |
| Aroclor-1016-3       | (3) | 5.76    | 5.76   | 5.76   | 5.76   | 5.76   | 5.76       | 5.66      | 5.86  |
| Aroclor-1016-4       | (4) | 5.86    | 5.86   | 5.86   | 5.86   | 5.86   | 5.86       | 5.76      | 5.96  |
| Aroclor-1016-5       | (5) | 6.15    | 6.15   | 6.15   | 6.15   | 6.15   | 6.15       | 6.05      | 6.25  |
| Aroclor-1260-1       | (1) | 7.27    | 7.27   | 7.27   | 7.27   | 7.27   | 7.27       | 7.17      | 7.37  |
| Aroclor-1260-2       | (2) | 7.53    | 7.52   | 7.53   | 7.53   | 7.53   | 7.53       | 7.43      | 7.63  |
| Aroclor-1260-3       | (3) | 7.89    | 7.88   | 7.88   | 7.89   | 7.89   | 7.88       | 7.78      | 7.98  |
| Aroclor-1260-4       | (4) | 8.11    | 8.11   | 8.11   | 8.11   | 8.11   | 8.11       | 8.01      | 8.21  |
| Aroclor-1260-5       | (5) | 8.43    | 8.43   | 8.43   | 8.43   | 8.43   | 8.43       | 8.33      | 8.53  |
| Decachlorobiphenyl   |     | 10.25   | 10.25  | 10.25  | 10.26  | 10.25  | 10.25      | 10.15     | 10.35 |
| Tetrachloro-m-xylene |     | 4.53    | 4.52   | 4.52   | 4.53   | 4.53   | 4.53       | 4.43      | 4.63  |
| Aroclor-1232-1       | (1) | 4.89    | 4.89   | 4.89   | 4.89   | 4.89   | 4.89       | 4.79      | 4.99  |
| Aroclor-1232-2       | (2) | 5.41    | 5.41   | 5.41   | 5.41   | 5.41   | 5.41       | 5.31      | 5.51  |
| Aroclor-1232-3       | (3) | 5.70    | 5.70   | 5.70   | 5.70   | 5.70   | 5.70       | 5.60      | 5.80  |
| Aroclor-1232-4       | (4) | 5.86    | 5.86   | 5.86   | 5.86   | 5.86   | 5.86       | 5.76      | 5.96  |
| Aroclor-1232-5       | (5) | 5.95    | 5.95   | 5.95   | 5.95   | 5.94   | 5.95       | 5.85      | 6.05  |
| Decachlorobiphenyl   |     | 10.25   | 10.25  | 10.25  | 10.25  | 10.26  | 10.25      | 10.15     | 10.35 |
| Tetrachloro-m-xylene |     | 4.53    | 4.53   | 4.53   | 4.53   | 4.53   | 4.53       | 4.43      | 4.63  |
| Aroclor-1242-1       | (1) | 5.68    | 5.68   | 5.68   | 5.68   | 5.68   | 5.68       | 5.58      | 5.78  |
| Aroclor-1242-2       | (2) | 5.70    | 5.70   | 5.70   | 5.70   | 5.70   | 5.70       | 5.60      | 5.80  |
| Aroclor-1242-3       | (3) | 5.76    | 5.76   | 5.76   | 5.76   | 5.76   | 5.76       | 5.66      | 5.86  |
| Aroclor-1242-4       | (4) | 5.86    | 5.86   | 5.86   | 5.86   | 5.86   | 5.86       | 5.76      | 5.96  |
| Aroclor-1242-5       | (5) | 6.59    | 6.59   | 6.59   | 6.59   | 6.59   | 6.59       | 6.49      | 6.69  |
| Decachlorobiphenyl   |     | 10.25   | 10.25  | 10.25  | 10.25  | 10.25  | 10.25      | 10.15     | 10.35 |
| Tetrachloro-m-xylene |     | 4.53    | 4.53   | 4.53   | 4.52   | 4.53   | 4.53       | 4.43      | 4.63  |
| Aroclor-1248-1       | (1) | 5.68    | 5.68   | 5.68   | 5.68   | 5.68   | 5.68       | 5.58      | 5.78  |
| Aroclor-1248-2       | (2) | 5.95    | 5.95   | 5.95   | 5.95   | 5.95   | 5.95       | 5.85      | 6.05  |
| Aroclor-1248-3       | (3) | 6.15    | 6.15   | 6.15   | 6.15   | 6.15   | 6.15       | 6.05      | 6.25  |
| Aroclor-1248-4       | (4) | 6.55    | 6.55   | 6.55   | 6.55   | 6.55   | 6.55       | 6.45      | 6.65  |
| Aroclor-1248-5       | (5) | 6.59    | 6.59   | 6.59   | 6.59   | 6.59   | 6.59       | 6.49      | 6.69  |
| Decachlorobiphenyl   |     | 10.25   | 10.25  | 10.25  | 10.25  | 10.25  | 10.25      | 10.15     | 10.35 |
| Tetrachloro-m-xylene |     | 4.53    | 4.52   | 4.52   | 4.52   | 4.52   | 4.52       | 4.42      | 4.62  |
| Aroclor-1254-1       | (1) | 6.53    | 6.53   | 6.53   | 6.52   | 6.53   | 6.53       | 6.43      | 6.63  |
| Aroclor-1254-2       | (2) | 6.74    | 6.74   | 6.75   | 6.74   | 6.74   | 6.74       | 6.64      | 6.84  |
| Aroclor-1254-3       | (3) | 7.11    | 7.11   | 7.11   | 7.10   | 7.11   | 7.11       | 7.01      | 7.21  |
| Aroclor-1254-4       | (4) | 7.39    | 7.39   | 7.39   | 7.39   | 7.39   | 7.39       | 7.29      | 7.49  |
| Aroclor-1254-5       | (5) | 7.81    | 7.81   | 7.81   | 7.80   | 7.81   | 7.81       | 7.71      | 7.91  |

**RETENTION TIMES OF INITIAL CALIBRATION**

|                      |       |       |       |       |       |       |       |       |
|----------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Decachlorobiphenyl   | 10.25 | 10.25 | 10.25 | 10.25 | 10.25 | 10.25 | 10.15 | 10.35 |
| Tetrachloro-m-xylene | 4.53  | 4.52  | 4.53  | 4.52  | 4.53  | 4.53  | 4.43  | 4.63  |
| Aroclor-1268-1 (1)   | 8.75  | 8.74  | 8.74  | 8.74  | 8.75  | 8.74  | 8.64  | 8.84  |
| Aroclor-1268-2 (2)   | 8.84  | 8.84  | 8.83  | 8.83  | 8.84  | 8.84  | 8.74  | 8.94  |
| Aroclor-1268-3 (3)   | 9.07  | 9.07  | 9.07  | 9.07  | 9.07  | 9.07  | 8.97  | 9.17  |
| Aroclor-1268-4 (4)   | 9.49  | 9.49  | 9.49  | 9.49  | 9.49  | 9.49  | 9.39  | 9.59  |
| Aroclor-1268-5 (5)   | 9.91  | 9.91  | 9.90  | 9.91  | 9.91  | 9.91  | 9.81  | 10.01 |
| Decachlorobiphenyl   | 10.25 | 10.25 | 10.25 | 10.25 | 10.25 | 10.25 | 10.15 | 10.35 |
| Tetrachloro-m-xylene | 4.53  | 4.53  | 4.52  | 4.52  | 4.53  | 4.53  | 4.43  | 4.63  |

A  
B  
C  
D  
E  
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L

A  
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C  
D  
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G  
H  
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J  
K  
L

**Calibration Times:**                      15:13                      23:38

ID: 0.32 (mm)

[illegible]



**RETENTION TIMES OF INITIAL CALIBRATION**

|                      |      |      |      |      |      |      |      |      |
|----------------------|------|------|------|------|------|------|------|------|
| Decachlorobiphenyl   | 8.88 | 8.88 | 8.88 | 8.88 | 8.88 | 8.88 | 8.78 | 8.98 |
| Tetrachloro-m-xylene | 3.83 | 3.83 | 3.83 | 3.83 | 3.83 | 3.83 | 3.73 | 3.93 |
| Aroclor-1268-1 (1)   | 7.74 | 7.74 | 7.74 | 7.74 | 7.74 | 7.74 | 7.64 | 7.84 |
| Aroclor-1268-2 (2)   | 7.81 | 7.81 | 7.81 | 7.81 | 7.81 | 7.81 | 7.71 | 7.91 |
| Aroclor-1268-3 (3)   | 8.02 | 8.02 | 8.02 | 8.01 | 8.01 | 8.02 | 7.92 | 8.12 |
| Aroclor-1268-4 (4)   | 8.31 | 8.31 | 8.31 | 8.31 | 8.31 | 8.31 | 8.21 | 8.41 |
| Aroclor-1268-5 (5)   | 8.61 | 8.61 | 8.61 | 8.61 | 8.61 | 8.61 | 8.51 | 8.71 |
| Decachlorobiphenyl   | 8.88 | 8.88 | 8.88 | 8.88 | 8.88 | 8.88 | 8.78 | 8.98 |
| Tetrachloro-m-xylene | 3.83 | 3.83 | 3.83 | 3.83 | 3.83 | 3.83 | 3.73 | 3.93 |

# CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: GENV01

Lab Code: CHEM Case No.: Q1574 SAS No.: Q1574 SDG NO.: Q1574

Instrument ID: ECD\_P Calibration Date(s): 03/11/2025 03/11/2025

Calibration Times: 15:13 23:38

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

| LAB FILE ID:               |     | CF 1000 = <u>PP070419.D</u> |            | CF 750 = <u>PP070420.D</u> |            |            |            |
|----------------------------|-----|-----------------------------|------------|----------------------------|------------|------------|------------|
| CF 500 = <u>PP070421.D</u> |     | CF 250 = <u>PP070422.D</u>  |            | CF 050 = <u>PP070423.D</u> |            |            |            |
| COMPOUND                   |     | CF 1000                     | CF 750     | CF 500                     | CF 250     | CF 050     | % RSD      |
| Aroclor-1016-1             | (1) | 46284919                    | 48624555   | 51195480                   | 56320148   | 56830900   | 51851200   |
| Aroclor-1016-2             | (2) | 68727144                    | 72260815   | 75092688                   | 79473188   | 62170340   | 71544835   |
| Aroclor-1016-3             | (3) | 41881157                    | 43836071   | 46346194                   | 49629608   | 45996640   | 45537934   |
| Aroclor-1016-4             | (4) | 34693414                    | 37117197   | 39579046                   | 42287028   | 41512180   | 39037773   |
| Aroclor-1016-5             | (5) | 32535779                    | 33720589   | 35503344                   | 36571056   | 34779300   | 34622014   |
| Aroclor-1260-1             | (1) | 55067637                    | 58265401   | 60660348                   | 63250936   | 56446720   | 58738208   |
| Aroclor-1260-2             | (2) | 75483004                    | 79277409   | 82983970                   | 87347188   | 85123440   | 82043002   |
| Aroclor-1260-3             | (3) | 62678610                    | 64989695   | 68010270                   | 70682128   | 62427680   | 65757677   |
| Aroclor-1260-4             | (4) | 60990738                    | 64683661   | 66152948                   | 69503548   | 65382940   | 65342767   |
| Aroclor-1260-5             | (5) | 130557968                   | 135103443  | 140419232                  | 146528904  | 130778620  | 136677633  |
| Decachlorobiphenyl         |     | 1005446690                  | 1044219213 | 1084386360                 | 1134008440 | 1043654800 | 1062343101 |
| Tetrachloro-m-xylene       |     | 1462968010                  | 1529300040 | 1575427920                 | 1661278640 | 1547936200 | 1555382162 |
| Aroclor-1232-1             | (1) | 31812517                    | 33409335   | 34815870                   | 38072588   | 39676960   | 35557454   |
| Aroclor-1232-2             | (2) | 16331114                    | 17367928   | 17709532                   | 17293972   | 15638140   | 16868137   |
| Aroclor-1232-3             | (3) | 33685372                    | 35206453   | 37651060                   | 39178940   | 37126640   | 36569693   |
| Aroclor-1232-4             | (4) | 17112653                    | 18207945   | 18881288                   | 20579940   | 20189680   | 18994301   |
| Aroclor-1232-5             | (5) | 12358074                    | 13019340   | 13596998                   | 11696560   | 14140280   | 12962250   |
| Decachlorobiphenyl         |     | 1007346640                  | 1061633867 | 1110112680                 | 1150608440 | 1055455400 | 1077031405 |
| Tetrachloro-m-xylene       |     | 1503870440                  | 1587673493 | 1628432540                 | 1684437880 | 1564380200 | 1593758911 |
| Aroclor-1242-1             | (1) | 39253435                    | 41704367   | 43482132                   | 47856472   | 49946320   | 44448545   |
| Aroclor-1242-2             | (2) | 58252556                    | 60113944   | 62228844                   | 66050560   | 60258320   | 61380845   |
| Aroclor-1242-3             | (3) | 35362447                    | 36380501   | 38652894                   | 41645404   | 33464760   | 37101201   |
| Aroclor-1242-4             | (4) | 29479509                    | 30833784   | 32552722                   | 35082164   | 32717220   | 32133080   |
| Aroclor-1242-5             | (5) | 29991669                    | 31404576   | 32011208                   | 32699504   | 29130640   | 31047519   |
| Decachlorobiphenyl         |     | 1017143570                  | 1063398627 | 1098678020                 | 1146617040 | 1019213600 | 1069010171 |
| Tetrachloro-m-xylene       |     | 1483500490                  | 1538532373 | 1587702840                 | 1655080400 | 1578490200 | 1568661261 |
| Aroclor-1248-1             | (1) | 30241509                    | 31836707   | 34371560                   | 37879708   | 36450300   | 34155957   |
| Aroclor-1248-2             | (2) | 39839483                    | 41732589   | 44072986                   | 47187728   | 39403540   | 42447265   |
| Aroclor-1248-3             | (3) | 43671743                    | 45535401   | 47272778                   | 48829472   | 45433820   | 46148643   |
| Aroclor-1248-4             | (4) | 52673121                    | 54800967   | 57547552                   | 61348180   | 63586480   | 57991260   |
| Aroclor-1248-5             | (5) | 49495855                    | 52225937   | 54279376                   | 57435820   | 54999800   | 53687358   |
| Decachlorobiphenyl         |     | 1018745530                  | 1065079280 | 1110066380                 | 1164168240 | 1044426200 | 1080497126 |
| Tetrachloro-m-xylene       |     | 1464367110                  | 1509550200 | 1593080400                 | 1654989520 | 1637278400 | 1571853126 |
| Aroclor-1254-1             | (1) | 52191144                    | 54776691   | 58408862                   | 62528540   | 58393680   | 57259783   |

**CALIBRATION FACTOR OF INITIAL CALIBRATION**

|                      |     |            |            |            |            |            |            |   |
|----------------------|-----|------------|------------|------------|------------|------------|------------|---|
| Aroclor-1254-2       | (2) | 76163232   | 79292283   | 83746208   | 89006644   | 77052340   | 81052141   | 7 |
| Aroclor-1254-3       | (3) | 78867294   | 81324341   | 86343146   | 90140028   | 84184220   | 84171806   | 5 |
| Aroclor-1254-4       | (4) | 65665428   | 68036704   | 71633390   | 75767876   | 69582520   | 70137184   | 5 |
| Aroclor-1254-5       | (5) | 65604720   | 67856063   | 71049052   | 74607116   | 70169360   | 69857262   | 5 |
| Decachlorobiphenyl   |     | 1051774640 | 1084735960 | 1131757040 | 1190025520 | 1071423800 | 1105943392 | 5 |
| Tetrachloro-m-xylene |     | 1491401080 | 1547951320 | 1596952960 | 1679816880 | 1638007800 | 1590826008 | 5 |
| Aroclor-1268-1       | (1) | 188529701  | 191493623  | 201496426  | 211079324  | 198399040  | 198199623  | 4 |
| Aroclor-1268-2       | (2) | 162712211  | 165423828  | 173208520  | 180425992  | 166812140  | 169716538  | 4 |
| Aroclor-1268-3       | (3) | 139964894  | 142620983  | 149835492  | 155687892  | 143563980  | 146334648  | 4 |
| Aroclor-1268-4       | (4) | 62601215   | 63262983   | 66177076   | 67604984   | 59759620   | 63881176   | 5 |
| Aroclor-1268-5       | (5) | 401160937  | 407647449  | 423231624  | 443337256  | 421401480  | 419355749  | 4 |
| Decachlorobiphenyl   |     | 1797305300 | 1841882720 | 1928545440 | 2018232880 | 1865263000 | 1890245868 | 5 |
| Tetrachloro-m-xylene |     | 1559644910 | 1556664040 | 1644040220 | 1708675120 | 1710882200 | 1635981298 | 5 |

# CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: GENV01

Lab Code: CHEM Case No.: Q1574 SAS No.: Q1574 SDG NO.: Q1574

Instrument ID: ECD\_P

Calibration Date(s): 03/11/2025 03/11/2025

Calibration Times: 15:13 23:38

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

| LAB FILE ID:               |     | CF 1000 = <u>PP070419.D</u> |            | CF 750 = <u>PP070420.D</u> |            |            |            |
|----------------------------|-----|-----------------------------|------------|----------------------------|------------|------------|------------|
| CF 500 = <u>PP070421.D</u> |     | CF 250 = <u>PP070422.D</u>  |            | CF 050 = <u>PP070423.D</u> |            |            |            |
| COMPOUND                   |     | CF 1000                     | CF 750     | CF 500                     | CF 250     | CF 050     | % RSD      |
| Aroclor-1016-1             | (1) | 31619052                    | 35012463   | 36116294                   | 39457560   | 37557300   | 35952534   |
| Aroclor-1016-2             | (2) | 44662617                    | 48866077   | 51001758                   | 55603496   | 59699380   | 51966666   |
| Aroclor-1016-3             | (3) | 24906943                    | 27191785   | 28703256                   | 30683884   | 30781120   | 28453398   |
| Aroclor-1016-4             | (4) | 19770953                    | 21670935   | 22902960                   | 24389748   | 23214920   | 22389903   |
| Aroclor-1016-5             | (5) | 25646269                    | 27397575   | 29268330                   | 32409960   | 33872260   | 29718879   |
| Aroclor-1260-1             | (1) | 45267436                    | 47641613   | 50061678                   | 53643092   | 52308080   | 49784380   |
| Aroclor-1260-2             | (2) | 60652513                    | 64073769   | 66616364                   | 70066968   | 69027800   | 66087483   |
| Aroclor-1260-3             | (3) | 52248928                    | 55432315   | 57823148                   | 61011000   | 59471320   | 57197342   |
| Aroclor-1260-4             | (4) | 47067710                    | 49841909   | 53961982                   | 55559372   | 49386640   | 51163523   |
| Aroclor-1260-5             | (5) | 123950775                   | 130046140  | 135804906                  | 136761852  | 117362580  | 128785251  |
| Decachlorobiphenyl         |     | 935400030                   | 944501173  | 996009380                  | 1027099200 | 988797000  | 978361357  |
| Tetrachloro-m-xylene       |     | 901898260                   | 976425347  | 1019517980                 | 1052535320 | 1061027800 | 1002280941 |
| Aroclor-1232-1             | (1) | 23977464                    | 25043855   | 25876362                   | 28218616   | 28432280   | 26309715   |
| Aroclor-1232-2             | (2) | 23409194                    | 24148587   | 25178540                   | 27689696   | 28634420   | 25812087   |
| Aroclor-1232-3             | (3) | 12864968                    | 13117912   | 13753150                   | 14320588   | 15988100   | 14008944   |
| Aroclor-1232-4             | (4) | 10909254                    | 11094221   | 11677434                   | 12331552   | 12548800   | 11712252   |
| Aroclor-1232-5             | (5) | 12122932                    | 12663212   | 13051746                   | 13538632   | 13963480   | 13068000   |
| Decachlorobiphenyl         |     | 923591970                   | 934486067  | 965069440                  | 1131453800 | 1083832600 | 1007686775 |
| Tetrachloro-m-xylene       |     | 981294310                   | 1023698747 | 1027014040                 | 1102661240 | 1188146200 | 1064562907 |
| Aroclor-1242-1             | (1) | 28374294                    | 28991207   | 30174104                   | 32528448   | 32989020   | 30611415   |
| Aroclor-1242-2             | (2) | 40120133                    | 40663773   | 41940388                   | 45612680   | 49650880   | 43597571   |
| Aroclor-1242-3             | (3) | 22172127                    | 22503904   | 23797688                   | 25561184   | 25126720   | 23832325   |
| Aroclor-1242-4             | (4) | 20777408                    | 21261321   | 22368954                   | 23941300   | 21863540   | 22042505   |
| Aroclor-1242-5             | (5) | 26011255                    | 26949576   | 28142034                   | 29660872   | 28841860   | 27921119   |
| Decachlorobiphenyl         |     | 890780220                   | 996610280  | 1018649180                 | 1070124720 | 1151487200 | 1025530320 |
| Tetrachloro-m-xylene       |     | 949681240                   | 969479187  | 1000171980                 | 1041407720 | 1043402000 | 1000828425 |
| Aroclor-1248-1             | (1) | 21916865                    | 22139940   | 24138102                   | 25281632   | 23901120   | 23475532   |
| Aroclor-1248-2             | (2) | 28154371                    | 29147072   | 31604814                   | 33306732   | 34304240   | 31303446   |
| Aroclor-1248-3             | (3) | 29522180                    | 30421332   | 32954472                   | 34362676   | 31347200   | 31721572   |
| Aroclor-1248-4             | (4) | 34974296                    | 35760019   | 38441344                   | 40862964   | 44827240   | 38973173   |
| Aroclor-1248-5             | (5) | 34216861                    | 35543065   | 38522800                   | 40509348   | 41641320   | 38086679   |
| Decachlorobiphenyl         |     | 933290630                   | 982033680  | 1000188180                 | 1068098600 | 1015594400 | 999841098  |
| Tetrachloro-m-xylene       |     | 948607640                   | 978544213  | 1031768560                 | 1070844800 | 1068084800 | 1019570003 |
| Aroclor-1254-1             | (1) | 49741488                    | 53083060   | 56518628                   | 60344088   | 61926700   | 56322793   |

**CALIBRATION FACTOR OF INITIAL CALIBRATION**

|                      |     |            |            |            |            |            |            |   |
|----------------------|-----|------------|------------|------------|------------|------------|------------|---|
| Aroclor-1254-2       | (2) | 43195538   | 45981229   | 48525194   | 52438220   | 54392240   | 48906484   | 9 |
| Aroclor-1254-3       | (3) | 69004581   | 72181184   | 75732026   | 81417896   | 78754240   | 75417985   | 7 |
| Aroclor-1254-4       | (4) | 48529875   | 50966111   | 53417608   | 57048936   | 53797000   | 52751906   | 6 |
| Aroclor-1254-5       | (5) | 63254548   | 65263447   | 68912458   | 73214624   | 74627960   | 69054607   | 7 |
| Decachlorobiphenyl   |     | 966187920  | 982212947  | 1086993960 | 1153126680 | 1151501200 | 1068004541 | 8 |
| Tetrachloro-m-xylene |     | 967205180  | 984098413  | 1019987640 | 1086171680 | 989309800  | 1009354543 | 5 |
| Aroclor-1268-1       | (1) | 168373725  | 166057156  | 179047242  | 187011272  | 174871700  | 175072219  | 5 |
| Aroclor-1268-2       | (2) | 142006892  | 140092196  | 149842434  | 153490708  | 144862740  | 146058994  | 4 |
| Aroclor-1268-3       | (3) | 125351560  | 120465205  | 129564250  | 133099628  | 133160800  | 128328289  | 4 |
| Aroclor-1268-4       | (4) | 54287293   | 53233979   | 56809814   | 58479952   | 52090820   | 54980372   | 5 |
| Aroclor-1268-5       | (5) | 364151928  | 362236821  | 378313444  | 380892964  | 354578080  | 368034647  | 3 |
| Decachlorobiphenyl   |     | 1632116030 | 1658280453 | 1742317540 | 1836812000 | 1806314000 | 1735168005 | 5 |
| Tetrachloro-m-xylene |     | 1019432100 | 1034489600 | 1102868440 | 1184868600 | 1114308600 | 1091193468 | 6 |

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: GENV01

Lab Code: CHEM Case No.: Q1574 SAS No.: Q1574 SDG NO.: Q1574

Instrument ID: ECD\_P Date(s) Analyzed: 03/11/2025 03/11/2025

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

| COMPOUND     | AMOUNT<br>(ng) | PEAK | RT   | RT WINDOW |      | CALIBRATION<br>FACTOR |
|--------------|----------------|------|------|-----------|------|-----------------------|
|              |                |      |      | FROM      | TO   |                       |
| Aroclor-1221 | 500            | 1    | 4.73 | 4.63      | 4.83 | 19940100              |
|              |                | 2    | 4.81 | 4.71      | 4.91 | 14608700              |
|              |                | 3    | 4.89 | 4.79      | 4.99 | 44364600              |
|              |                | 4    | 0.00 |           |      | 0                     |
|              |                | 5    | 0.00 |           |      | 0                     |
| Aroclor-1262 | 500            | 1    | 8.11 | 8.01      | 8.21 | 81718600              |
|              |                | 2    | 8.43 | 8.33      | 8.53 | 164714000             |
|              |                | 3    | 8.75 | 8.65      | 8.85 | 112164000             |
|              |                | 4    | 8.83 | 8.73      | 8.93 | 83803800              |
|              |                | 5    | 9.49 | 9.39      | 9.59 | 58896200              |

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: GENV01

Lab Code: CHEM Case No.: Q1574 SAS No.: Q1574 SDG NO.: Q1574

Instrument ID: ECD\_P Date(s) Analyzed: 03/11/2025 03/11/2025

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

| COMPOUND     | AMOUNT<br>(ng) | PEAK | RT   | RT WINDOW |      | CALIBRATION<br>FACTOR |
|--------------|----------------|------|------|-----------|------|-----------------------|
|              |                |      |      | FROM      | TO   |                       |
| Aroclor-1221 | 500            | 1    | 4.04 | 3.94      | 4.14 | 14882500              |
|              |                | 2    | 4.13 | 4.03      | 4.23 | 11429100              |
|              |                | 3    | 4.20 | 4.10      | 4.30 | 33421800              |
|              |                | 4    | 0.00 |           |      | 0                     |
|              |                | 5    | 0.00 |           |      | 0                     |
| Aroclor-1262 | 500            | 1    | 6.96 | 6.86      | 7.06 | 83664000              |
|              |                | 2    | 7.22 | 7.12      | 7.32 | 68729800              |
|              |                | 3    | 7.74 | 7.64      | 7.84 | 65986200              |
|              |                | 4    | 7.81 | 7.71      | 7.91 | 104435000             |
|              |                | 5    | 8.31 | 8.21      | 8.41 | 51550000              |

### CALIBRATION VERIFICATION SUMMARY

Contract: GENV01

Lab Code: CHEM Case No.: Q1574 SAS No.: Q1574 SDG NO.: Q1574

Continuing Calib Date: 03/17/2025 Initial Calibration Date(s): 02/20/2025 02/21/2025

Continuing Calib Time: 09:13 Initial Calibration Time(s): 16:46 01:02

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

| COMPOUND             |     | CCAL<br>RT | AVG<br>RT | RT WINDOW |      | DIFF<br>RT |
|----------------------|-----|------------|-----------|-----------|------|------------|
|                      |     |            |           | FROM      | TO   |            |
| Aroclor-1016-1       | (1) | 4.79       | 4.79      | 4.69      | 4.89 | 0.00       |
| Aroclor-1016-2       | (2) | 4.81       | 4.81      | 4.71      | 4.91 | 0.00       |
| Aroclor-1016-3       | (3) | 4.86       | 4.87      | 4.77      | 4.97 | 0.01       |
| Aroclor-1016-4       | (4) | 4.98       | 4.99      | 4.89      | 5.09 | 0.01       |
| Aroclor-1016-5       | (5) | 5.24       | 5.25      | 5.15      | 5.35 | 0.01       |
| Aroclor-1260-1       | (1) | 6.28       | 6.29      | 6.19      | 6.39 | 0.01       |
| Aroclor-1260-2       | (2) | 6.47       | 6.48      | 6.38      | 6.58 | 0.01       |
| Aroclor-1260-3       | (3) | 6.84       | 6.85      | 6.75      | 6.95 | 0.01       |
| Aroclor-1260-4       | (4) | 7.10       | 7.11      | 7.01      | 7.21 | 0.01       |
| Aroclor-1260-5       | (5) | 7.34       | 7.35      | 7.25      | 7.45 | 0.01       |
| Tetrachloro-m-xylene |     | 3.69       | 3.70      | 3.60      | 3.80 | 0.01       |
| Decachlorobiphenyl   |     | 8.75       | 8.76      | 8.66      | 8.86 | 0.02       |



### CALIBRATION VERIFICATION SUMMARY

Contract: GENV01

Lab Code: CHEM Case No.: Q1574 SAS No.: Q1574 SDG NO.: Q1574

Continuing Calib Date: 03/17/2025 Initial Calibration Date(s): 02/20/2025 02/21/2025

Continuing Calib Time: 09:13 Initial Calibration Time(s): 16:46 01:02

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

| COMPOUND             |     | CCAL<br>RT | AVG<br>RT | RT WINDOW |      | DIFF<br>RT |
|----------------------|-----|------------|-----------|-----------|------|------------|
|                      |     |            |           | FROM      | TO   |            |
| Aroclor-1016-1       | (1) | 4.77       | 4.78      | 4.68      | 4.88 | 0.01       |
| Aroclor-1016-2       | (2) | 4.79       | 4.80      | 4.70      | 4.90 | 0.01       |
| Aroclor-1016-3       | (3) | 4.97       | 4.97      | 4.87      | 5.07 | 0.00       |
| Aroclor-1016-4       | (4) | 5.01       | 5.01      | 4.91      | 5.11 | 0.00       |
| Aroclor-1016-5       | (5) | 5.22       | 5.23      | 5.13      | 5.33 | 0.01       |
| Aroclor-1260-1       | (1) | 6.25       | 6.26      | 6.16      | 6.36 | 0.01       |
| Aroclor-1260-2       | (2) | 6.44       | 6.45      | 6.35      | 6.55 | 0.01       |
| Aroclor-1260-3       | (3) | 6.60       | 6.60      | 6.50      | 6.70 | 0.01       |
| Aroclor-1260-4       | (4) | 7.07       | 7.07      | 6.97      | 7.17 | 0.00       |
| Aroclor-1260-5       | (5) | 7.31       | 7.31      | 7.21      | 7.41 | 0.00       |
| Tetrachloro-m-xylene |     | 3.69       | 3.69      | 3.59      | 3.79 | 0.00       |
| Decachlorobiphenyl   |     | 8.70       | 8.71      | 8.61      | 8.81 | 0.01       |

### CALIBRATION VERIFICATION SUMMARY

Contract: GENV01

Lab Code: CHEM Case No.: Q1574 SAS No.: Q1574 SDG NO.: Q1574

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

Client Sample No.: CCAL01 Date Analyzed: 03/17/2025

Lab Sample No.: AR1660CCC500 Data File : PO109923.D Time Analyzed: 09:13

| COMPOUND             | RT    | RT WINDOW |       | CALC<br>AMOUNT(ng) | NOM<br>AMOUNT(ng) | %D    |
|----------------------|-------|-----------|-------|--------------------|-------------------|-------|
|                      |       | FROM      | TO    |                    |                   |       |
| Aroclor-1016-1       | 4.787 | 4.691     | 4.891 | 520.420            | 500.000           | 4.1   |
| Aroclor-1016-2       | 4.806 | 4.711     | 4.911 | 532.150            | 500.000           | 6.4   |
| Aroclor-1016-3       | 4.862 | 4.767     | 4.967 | 529.790            | 500.000           | 6.0   |
| Aroclor-1016-4       | 4.983 | 4.888     | 5.088 | 529.650            | 500.000           | 5.9   |
| Aroclor-1016-5       | 5.241 | 5.145     | 5.345 | 513.580            | 500.000           | 2.7   |
| Aroclor-1260-1       | 6.281 | 6.188     | 6.388 | 491.640            | 500.000           | -1.7  |
| Aroclor-1260-2       | 6.470 | 6.377     | 6.577 | 488.670            | 500.000           | -2.3  |
| Aroclor-1260-3       | 6.838 | 6.746     | 6.946 | 474.600            | 500.000           | -5.1  |
| Aroclor-1260-4       | 7.098 | 7.005     | 7.205 | 472.840            | 500.000           | -5.4  |
| Aroclor-1260-5       | 7.340 | 7.247     | 7.447 | 469.530            | 500.000           | -6.1  |
| Decachlorobiphenyl   | 8.745 | 8.657     | 8.857 | 40.020             | 50.000            | -20.0 |
| Tetrachloro-m-xylene | 3.694 | 3.598     | 3.798 | 52.550             | 50.000            | 5.1   |

### CALIBRATION VERIFICATION SUMMARY

Contract: GENV01

Lab Code: CHEM Case No.: Q1574 SAS No.: Q1574 SDG NO.: Q1574

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

Client Sample No.: CCAL01 Date Analyzed: 03/17/2025

Lab Sample No.: AR1660CCC500 Data File : PO109923.D Time Analyzed: 09:13

| COMPOUND             | RT    | RT WINDOW<br>FROM TO |       | CALC<br>AMOUNT(ng) | NOM<br>AMOUNT(ng) | %D    |
|----------------------|-------|----------------------|-------|--------------------|-------------------|-------|
| Aroclor-1016-1       | 4.772 | 4.678                | 4.878 | 539.290            | 500.000           | 7.9   |
| Aroclor-1016-2       | 4.792 | 4.697                | 4.897 | 554.740            | 500.000           | 10.9  |
| Aroclor-1016-3       | 4.967 | 4.872                | 5.072 | 548.600            | 500.000           | 9.7   |
| Aroclor-1016-4       | 5.009 | 4.914                | 5.114 | 529.410            | 500.000           | 5.9   |
| Aroclor-1016-5       | 5.222 | 5.127                | 5.327 | 523.530            | 500.000           | 4.7   |
| Aroclor-1260-1       | 6.254 | 6.161                | 6.361 | 502.590            | 500.000           | 0.5   |
| Aroclor-1260-2       | 6.442 | 6.348                | 6.548 | 501.730            | 500.000           | 0.3   |
| Aroclor-1260-3       | 6.595 | 6.502                | 6.702 | 496.860            | 500.000           | -0.6  |
| Aroclor-1260-4       | 7.066 | 6.974                | 7.174 | 484.000            | 500.000           | -3.2  |
| Aroclor-1260-5       | 7.307 | 7.214                | 7.414 | 488.740            | 500.000           | -2.3  |
| Decachlorobiphenyl   | 8.696 | 8.607                | 8.807 | 39.180             | 50.000            | -21.6 |
| Tetrachloro-m-xylene | 3.691 | 3.594                | 3.794 | 52.290             | 50.000            | 4.6   |

### CALIBRATION VERIFICATION SUMMARY

Contract: GENV01

Lab Code: CHEM Case No.: Q1574 SAS No.: Q1574 SDG NO.: Q1574

Continuing Calib Date: 03/17/2025 Initial Calibration Date(s): 02/20/2025 02/21/2025

Continuing Calib Time: 16:28 Initial Calibration Time(s): 16:46 01:02

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

| COMPOUND             |     | CCAL<br>RT | AVG<br>RT | RT WINDOW |      | DIFF<br>RT |
|----------------------|-----|------------|-----------|-----------|------|------------|
|                      |     |            |           | FROM      | TO   |            |
| Aroclor-1016-1       | (1) | 4.79       | 4.79      | 4.69      | 4.89 | 0.00       |
| Aroclor-1016-2       | (2) | 4.81       | 4.81      | 4.71      | 4.91 | 0.00       |
| Aroclor-1016-3       | (3) | 4.86       | 4.87      | 4.77      | 4.97 | 0.01       |
| Aroclor-1016-4       | (4) | 4.98       | 4.99      | 4.89      | 5.09 | 0.01       |
| Aroclor-1016-5       | (5) | 5.24       | 5.25      | 5.15      | 5.35 | 0.01       |
| Aroclor-1260-1       | (1) | 6.28       | 6.29      | 6.19      | 6.39 | 0.01       |
| Aroclor-1260-2       | (2) | 6.47       | 6.48      | 6.38      | 6.58 | 0.01       |
| Aroclor-1260-3       | (3) | 6.84       | 6.85      | 6.75      | 6.95 | 0.01       |
| Aroclor-1260-4       | (4) | 7.10       | 7.11      | 7.01      | 7.21 | 0.01       |
| Aroclor-1260-5       | (5) | 7.34       | 7.35      | 7.25      | 7.45 | 0.01       |
| Tetrachloro-m-xylene |     | 3.69       | 3.70      | 3.60      | 3.80 | 0.01       |
| Decachlorobiphenyl   |     | 8.75       | 8.76      | 8.66      | 8.86 | 0.01       |

### CALIBRATION VERIFICATION SUMMARY

Contract: GENV01

Lab Code: CHEM Case No.: Q1574 SAS No.: Q1574 SDG NO.: Q1574

Continuing Calib Date: 03/17/2025 Initial Calibration Date(s): 02/20/2025 02/21/2025

Continuing Calib Time: 16:28 Initial Calibration Time(s): 16:46 01:02

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

| COMPOUND             |     | CCAL<br>RT | AVG<br>RT | RT WINDOW |      | DIFF<br>RT |
|----------------------|-----|------------|-----------|-----------|------|------------|
|                      |     |            |           | FROM      | TO   |            |
| Aroclor-1016-1       | (1) | 4.77       | 4.78      | 4.68      | 4.88 | 0.01       |
| Aroclor-1016-2       | (2) | 4.79       | 4.80      | 4.70      | 4.90 | 0.01       |
| Aroclor-1016-3       | (3) | 4.97       | 4.97      | 4.87      | 5.07 | 0.00       |
| Aroclor-1016-4       | (4) | 5.01       | 5.01      | 4.91      | 5.11 | 0.00       |
| Aroclor-1016-5       | (5) | 5.22       | 5.23      | 5.13      | 5.33 | 0.01       |
| Aroclor-1260-1       | (1) | 6.26       | 6.26      | 6.16      | 6.36 | 0.00       |
| Aroclor-1260-2       | (2) | 6.44       | 6.45      | 6.35      | 6.55 | 0.01       |
| Aroclor-1260-3       | (3) | 6.60       | 6.60      | 6.50      | 6.70 | 0.00       |
| Aroclor-1260-4       | (4) | 7.07       | 7.07      | 6.97      | 7.17 | 0.00       |
| Aroclor-1260-5       | (5) | 7.31       | 7.31      | 7.21      | 7.41 | 0.00       |
| Tetrachloro-m-xylene |     | 3.69       | 3.69      | 3.59      | 3.79 | 0.00       |
| Decachlorobiphenyl   |     | 8.70       | 8.71      | 8.61      | 8.81 | 0.01       |

### CALIBRATION VERIFICATION SUMMARY

Contract: GENV01

Lab Code: CHEM Case No.: Q1574 SAS No.: Q1574 SDG NO.: Q1574

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

Client Sample No.: CCAL02 Date Analyzed: 03/17/2025

Lab Sample No.: AR1660CCC500 Data File : PO109935.D Time Analyzed: 16:28

| COMPOUND             | RT    | RT WINDOW<br>FROM TO |       | CALC<br>AMOUNT(ng) | NOM<br>AMOUNT(ng) | %D    |
|----------------------|-------|----------------------|-------|--------------------|-------------------|-------|
| Aroclor-1016-1       | 4.787 | 4.691                | 4.891 | 495.420            | 500.000           | -0.9  |
| Aroclor-1016-2       | 4.806 | 4.711                | 4.911 | 497.010            | 500.000           | -0.6  |
| Aroclor-1016-3       | 4.862 | 4.767                | 4.967 | 497.830            | 500.000           | -0.4  |
| Aroclor-1016-4       | 4.983 | 4.888                | 5.088 | 499.000            | 500.000           | -0.2  |
| Aroclor-1016-5       | 5.240 | 5.145                | 5.345 | 500.320            | 500.000           | 0.1   |
| Aroclor-1260-1       | 6.282 | 6.188                | 6.388 | 468.480            | 500.000           | -6.3  |
| Aroclor-1260-2       | 6.470 | 6.377                | 6.577 | 466.430            | 500.000           | -6.7  |
| Aroclor-1260-3       | 6.839 | 6.746                | 6.946 | 449.630            | 500.000           | -10.1 |
| Aroclor-1260-4       | 7.099 | 7.005                | 7.205 | 446.990            | 500.000           | -10.6 |
| Aroclor-1260-5       | 7.340 | 7.247                | 7.447 | 446.440            | 500.000           | -10.7 |
| Decachlorobiphenyl   | 8.747 | 8.657                | 8.857 | 53.600             | 50.000            | 7.2   |
| Tetrachloro-m-xylene | 3.694 | 3.598                | 3.798 | 47.390             | 50.000            | -5.2  |

### CALIBRATION VERIFICATION SUMMARY

Contract: GENV01

Lab Code: CHEM Case No.: Q1574 SAS No.: Q1574 SDG NO.: Q1574

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

Client Sample No.: CCAL02 Date Analyzed: 03/17/2025

Lab Sample No.: AR1660CCC500 Data File : PO109935.D Time Analyzed: 16:28

| COMPOUND             | RT    | RT WINDOW |       | CALC<br>AMOUNT(ng) | NOM<br>AMOUNT(ng) | %D    |
|----------------------|-------|-----------|-------|--------------------|-------------------|-------|
|                      |       | FROM      | TO    |                    |                   |       |
| Aroclor-1016-1       | 4.773 | 4.678     | 4.878 | 506.990            | 500.000           | 1.4   |
| Aroclor-1016-2       | 4.792 | 4.697     | 4.897 | 518.690            | 500.000           | 3.7   |
| Aroclor-1016-3       | 4.968 | 4.872     | 5.072 | 517.250            | 500.000           | 3.5   |
| Aroclor-1016-4       | 5.010 | 4.914     | 5.114 | 489.360            | 500.000           | -2.1  |
| Aroclor-1016-5       | 5.223 | 5.127     | 5.327 | 513.620            | 500.000           | 2.7   |
| Aroclor-1260-1       | 6.255 | 6.161     | 6.361 | 474.040            | 500.000           | -5.2  |
| Aroclor-1260-2       | 6.442 | 6.348     | 6.548 | 476.300            | 500.000           | -4.7  |
| Aroclor-1260-3       | 6.596 | 6.502     | 6.702 | 469.320            | 500.000           | -6.1  |
| Aroclor-1260-4       | 7.067 | 6.974     | 7.174 | 450.460            | 500.000           | -9.9  |
| Aroclor-1260-5       | 7.308 | 7.214     | 7.414 | 446.130            | 500.000           | -10.8 |
| Decachlorobiphenyl   | 8.697 | 8.607     | 8.807 | 49.430             | 50.000            | -1.1  |
| Tetrachloro-m-xylene | 3.692 | 3.594     | 3.794 | 48.820             | 50.000            | -2.4  |

### CALIBRATION VERIFICATION SUMMARY

Contract: GENV01

Lab Code: CHEM Case No.: Q1574 SAS No.: Q1574 SDG NO.: Q1574

Continuing Calib Date: 03/14/2025 Initial Calibration Date(s): 03/11/2025 03/11/2025

Continuing Calib Time: 21:15 Initial Calibration Time(s): 15:13 23:38

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

| COMPOUND             |     | CCAL<br>RT | AVG<br>RT | RT WINDOW |       | DIFF<br>RT |
|----------------------|-----|------------|-----------|-----------|-------|------------|
|                      |     |            |           | FROM      | TO    |            |
| Aroclor-1016-1       | (1) | 5.68       | 5.68      | 5.58      | 5.78  | 0.00       |
| Aroclor-1016-2       | (2) | 5.70       | 5.70      | 5.60      | 5.80  | 0.00       |
| Aroclor-1016-3       | (3) | 5.76       | 5.76      | 5.66      | 5.86  | 0.00       |
| Aroclor-1016-4       | (4) | 5.86       | 5.86      | 5.76      | 5.96  | 0.00       |
| Aroclor-1016-5       | (5) | 6.15       | 6.15      | 6.05      | 6.25  | 0.00       |
| Aroclor-1260-1       | (1) | 7.27       | 7.27      | 7.17      | 7.37  | 0.00       |
| Aroclor-1260-2       | (2) | 7.52       | 7.53      | 7.43      | 7.63  | 0.01       |
| Aroclor-1260-3       | (3) | 7.88       | 7.88      | 7.78      | 7.98  | 0.00       |
| Aroclor-1260-4       | (4) | 8.11       | 8.11      | 8.01      | 8.21  | 0.01       |
| Aroclor-1260-5       | (5) | 8.43       | 8.43      | 8.33      | 8.53  | 0.00       |
| Tetrachloro-m-xylene |     | 4.53       | 4.52      | 4.42      | 4.62  | -0.01      |
| Decachlorobiphenyl   |     | 10.24      | 10.25     | 10.15     | 10.35 | 0.01       |



### CALIBRATION VERIFICATION SUMMARY

Contract: GENV01

Lab Code: CHEM Case No.: Q1574 SAS No.: Q1574 SDG NO.: Q1574

Continuing Calib Date: 03/14/2025 Initial Calibration Date(s): 03/11/2025 03/11/2025

Continuing Calib Time: 21:15 Initial Calibration Time(s): 15:13 23:38

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

| COMPOUND             |     | CCAL<br>RT | AVG<br>RT | RT WINDOW |      | DIFF<br>RT |
|----------------------|-----|------------|-----------|-----------|------|------------|
|                      |     |            |           | FROM      | TO   |            |
| Aroclor-1016-1       | (1) | 4.91       | 4.92      | 4.82      | 5.02 | 0.01       |
| Aroclor-1016-2       | (2) | 4.93       | 4.94      | 4.84      | 5.04 | 0.01       |
| Aroclor-1016-3       | (3) | 5.11       | 5.11      | 5.01      | 5.21 | 0.00       |
| Aroclor-1016-4       | (4) | 5.15       | 5.15      | 5.05      | 5.25 | 0.00       |
| Aroclor-1016-5       | (5) | 5.37       | 5.37      | 5.27      | 5.47 | 0.01       |
| Aroclor-1260-1       | (1) | 6.40       | 6.41      | 6.31      | 6.51 | 0.01       |
| Aroclor-1260-2       | (2) | 6.59       | 6.60      | 6.50      | 6.70 | 0.01       |
| Aroclor-1260-3       | (3) | 6.74       | 6.75      | 6.65      | 6.85 | 0.01       |
| Aroclor-1260-4       | (4) | 7.22       | 7.22      | 7.12      | 7.32 | 0.00       |
| Aroclor-1260-5       | (5) | 7.46       | 7.46      | 7.36      | 7.56 | 0.00       |
| Tetrachloro-m-xylene |     | 3.83       | 3.83      | 3.73      | 3.93 | 0.00       |
| Decachlorobiphenyl   |     | 8.87       | 8.88      | 8.78      | 8.98 | 0.01       |

### CALIBRATION VERIFICATION SUMMARY

Contract: GENV01

Lab Code: CHEM Case No.: Q1574 SAS No.: Q1574 SDG NO.: Q1574

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 03/11/2025 03/11/2025

Client Sample No.: CCAL03 Date Analyzed: 03/14/2025

Lab Sample No.: AR1660CCC500 Data File : PP070543.D Time Analyzed: 21:15

| COMPOUND             | RT     | RT WINDOW |        | CALC<br>AMOUNT(ng) | NOM<br>AMOUNT(ng) | %D    |
|----------------------|--------|-----------|--------|--------------------|-------------------|-------|
|                      |        | FROM      | TO     |                    |                   |       |
| Aroclor-1016-1       | 5.676  | 5.577     | 5.777  | 443.660            | 500.000           | -11.3 |
| Aroclor-1016-2       | 5.698  | 5.599     | 5.799  | 480.930            | 500.000           | -3.8  |
| Aroclor-1016-3       | 5.760  | 5.661     | 5.861  | 466.910            | 500.000           | -6.6  |
| Aroclor-1016-4       | 5.858  | 5.758     | 5.958  | 456.460            | 500.000           | -8.7  |
| Aroclor-1016-5       | 6.150  | 6.051     | 6.251  | 453.110            | 500.000           | -9.4  |
| Aroclor-1260-1       | 7.269  | 7.171     | 7.371  | 470.290            | 500.000           | -5.9  |
| Aroclor-1260-2       | 7.523  | 7.425     | 7.625  | 461.520            | 500.000           | -7.7  |
| Aroclor-1260-3       | 7.881  | 7.783     | 7.983  | 466.760            | 500.000           | -6.6  |
| Aroclor-1260-4       | 8.105  | 8.008     | 8.208  | 454.640            | 500.000           | -9.1  |
| Aroclor-1260-5       | 8.425  | 8.328     | 8.528  | 467.430            | 500.000           | -6.5  |
| Decachlorobiphenyl   | 10.243 | 10.152    | 10.352 | 46.560             | 50.000            | -6.9  |
| Tetrachloro-m-xylene | 4.525  | 4.424     | 4.624  | 46.830             | 50.000            | -6.3  |

### CALIBRATION VERIFICATION SUMMARY

Contract: GENV01

Lab Code: CHEM Case No.: Q1574 SAS No.: Q1574 SDG NO.: Q1574

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 03/11/2025 03/11/2025

Client Sample No.: CCAL03 Date Analyzed: 03/14/2025

Lab Sample No.: AR1660CCC500 Data File : PP070543.D Time Analyzed: 21:15

| COMPOUND             | RT    | RT WINDOW |       | CALC<br>AMOUNT(ng) | NOM<br>AMOUNT(ng) | %D    |
|----------------------|-------|-----------|-------|--------------------|-------------------|-------|
|                      |       | FROM      | TO    |                    |                   |       |
| Aroclor-1016-1       | 4.912 | 4.817     | 5.017 | 467.760            | 500.000           | -6.4  |
| Aroclor-1016-2       | 4.932 | 4.836     | 5.036 | 453.880            | 500.000           | -9.2  |
| Aroclor-1016-3       | 5.108 | 5.013     | 5.213 | 459.150            | 500.000           | -8.2  |
| Aroclor-1016-4       | 5.150 | 5.054     | 5.254 | 462.340            | 500.000           | -7.5  |
| Aroclor-1016-5       | 5.365 | 5.270     | 5.470 | 472.460            | 500.000           | -5.5  |
| Aroclor-1260-1       | 6.401 | 6.307     | 6.507 | 458.750            | 500.000           | -8.3  |
| Aroclor-1260-2       | 6.589 | 6.495     | 6.695 | 458.120            | 500.000           | -8.4  |
| Aroclor-1260-3       | 6.743 | 6.649     | 6.849 | 450.000            | 500.000           | -10.0 |
| Aroclor-1260-4       | 7.215 | 7.121     | 7.321 | 441.280            | 500.000           | -11.7 |
| Aroclor-1260-5       | 7.456 | 7.362     | 7.562 | 440.290            | 500.000           | -11.9 |
| Decachlorobiphenyl   | 8.871 | 8.781     | 8.981 | 41.930             | 50.000            | -16.1 |
| Tetrachloro-m-xylene | 3.826 | 3.729     | 3.929 | 48.070             | 50.000            | -3.9  |

### CALIBRATION VERIFICATION SUMMARY

Contract: GENV01

Lab Code: CHEM Case No.: Q1574 SAS No.: Q1574 SDG NO.: Q1574

Continuing Calib Date: 03/15/2025 Initial Calibration Date(s): 03/11/2025 03/11/2025

Continuing Calib Time: 01:51 Initial Calibration Time(s): 15:13 23:38

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

| COMPOUND             |     | CCAL<br>RT | AVG<br>RT | RT WINDOW |       | DIFF<br>RT |
|----------------------|-----|------------|-----------|-----------|-------|------------|
|                      |     |            |           | FROM      | TO    |            |
| Aroclor-1016-1       | (1) | 5.68       | 5.68      | 5.58      | 5.78  | 0.00       |
| Aroclor-1016-2       | (2) | 5.70       | 5.70      | 5.60      | 5.80  | 0.00       |
| Aroclor-1016-3       | (3) | 5.76       | 5.76      | 5.66      | 5.86  | 0.00       |
| Aroclor-1016-4       | (4) | 5.86       | 5.86      | 5.76      | 5.96  | 0.00       |
| Aroclor-1016-5       | (5) | 6.15       | 6.15      | 6.05      | 6.25  | 0.00       |
| Aroclor-1260-1       | (1) | 7.27       | 7.27      | 7.17      | 7.37  | 0.00       |
| Aroclor-1260-2       | (2) | 7.52       | 7.53      | 7.43      | 7.63  | 0.01       |
| Aroclor-1260-3       | (3) | 7.88       | 7.88      | 7.78      | 7.98  | 0.00       |
| Aroclor-1260-4       | (4) | 8.10       | 8.11      | 8.01      | 8.21  | 0.01       |
| Aroclor-1260-5       | (5) | 8.42       | 8.43      | 8.33      | 8.53  | 0.01       |
| Tetrachloro-m-xylene |     | 4.52       | 4.52      | 4.42      | 4.62  | 0.00       |
| Decachlorobiphenyl   |     | 10.24      | 10.25     | 10.15     | 10.35 | 0.01       |

### CALIBRATION VERIFICATION SUMMARY

Contract: GENV01

Lab Code: CHEM Case No.: Q1574 SAS No.: Q1574 SDG NO.: Q1574

Continuing Calib Date: 03/15/2025 Initial Calibration Date(s): 03/11/2025 03/11/2025

Continuing Calib Time: 01:51 Initial Calibration Time(s): 15:13 23:38

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

| COMPOUND             |     | CCAL<br>RT | AVG<br>RT | RT WINDOW |      | DIFF<br>RT |
|----------------------|-----|------------|-----------|-----------|------|------------|
|                      |     |            |           | FROM      | TO   |            |
| Aroclor-1016-1       | (1) | 4.91       | 4.92      | 4.82      | 5.02 | 0.01       |
| Aroclor-1016-2       | (2) | 4.93       | 4.94      | 4.84      | 5.04 | 0.01       |
| Aroclor-1016-3       | (3) | 5.11       | 5.11      | 5.01      | 5.21 | 0.00       |
| Aroclor-1016-4       | (4) | 5.15       | 5.15      | 5.05      | 5.25 | 0.00       |
| Aroclor-1016-5       | (5) | 5.36       | 5.37      | 5.27      | 5.47 | 0.01       |
| Aroclor-1260-1       | (1) | 6.40       | 6.41      | 6.31      | 6.51 | 0.01       |
| Aroclor-1260-2       | (2) | 6.59       | 6.60      | 6.50      | 6.70 | 0.01       |
| Aroclor-1260-3       | (3) | 6.74       | 6.75      | 6.65      | 6.85 | 0.01       |
| Aroclor-1260-4       | (4) | 7.21       | 7.22      | 7.12      | 7.32 | 0.01       |
| Aroclor-1260-5       | (5) | 7.45       | 7.46      | 7.36      | 7.56 | 0.01       |
| Tetrachloro-m-xylene |     | 3.83       | 3.83      | 3.73      | 3.93 | 0.00       |
| Decachlorobiphenyl   |     | 8.87       | 8.88      | 8.78      | 8.98 | 0.01       |

### CALIBRATION VERIFICATION SUMMARY

Contract: GENV01

Lab Code: CHEM Case No.: Q1574 SAS No.: Q1574 SDG NO.: Q1574

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 03/11/2025 03/11/2025

Client Sample No.: CCAL04 Date Analyzed: 03/15/2025

Lab Sample No.: AR1660CCC500 Data File : PP070558.D Time Analyzed: 01:51

| COMPOUND             | RT     | RT WINDOW<br>FROM TO |        | CALC<br>AMOUNT(ng) | NOM<br>AMOUNT(ng) | %D   |
|----------------------|--------|----------------------|--------|--------------------|-------------------|------|
| Aroclor-1016-1       | 5.675  | 5.577                | 5.777  | 457.150            | 500.000           | -8.6 |
| Aroclor-1016-2       | 5.697  | 5.599                | 5.799  | 495.200            | 500.000           | -1.0 |
| Aroclor-1016-3       | 5.759  | 5.661                | 5.861  | 478.090            | 500.000           | -4.4 |
| Aroclor-1016-4       | 5.856  | 5.758                | 5.958  | 468.080            | 500.000           | -6.4 |
| Aroclor-1016-5       | 6.149  | 6.051                | 6.251  | 469.590            | 500.000           | -6.1 |
| Aroclor-1260-1       | 7.267  | 7.171                | 7.371  | 498.380            | 500.000           | -0.3 |
| Aroclor-1260-2       | 7.520  | 7.425                | 7.625  | 477.820            | 500.000           | -4.4 |
| Aroclor-1260-3       | 7.879  | 7.783                | 7.983  | 476.270            | 500.000           | -4.7 |
| Aroclor-1260-4       | 8.103  | 8.008                | 8.208  | 464.610            | 500.000           | -7.1 |
| Aroclor-1260-5       | 8.423  | 8.328                | 8.528  | 479.710            | 500.000           | -4.1 |
| Decachlorobiphenyl   | 10.241 | 10.152               | 10.352 | 47.630             | 50.000            | -4.7 |
| Tetrachloro-m-xylene | 4.524  | 4.424                | 4.624  | 48.060             | 50.000            | -3.9 |

### CALIBRATION VERIFICATION SUMMARY

Contract: GENV01

Lab Code: CHEM Case No.: Q1574 SAS No.: Q1574 SDG NO.: Q1574

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 03/11/2025 03/11/2025

Client Sample No.: CCAL04 Date Analyzed: 03/15/2025

Lab Sample No.: AR1660CCC500 Data File : PP070558.D Time Analyzed: 01:51

| COMPOUND             | RT    | RT WINDOW |       | CALC<br>AMOUNT(ng) | NOM<br>AMOUNT(ng) | %D   |
|----------------------|-------|-----------|-------|--------------------|-------------------|------|
|                      |       | FROM      | TO    |                    |                   |      |
| Aroclor-1016-1       | 4.912 | 4.817     | 5.017 | 500.790            | 500.000           | 0.2  |
| Aroclor-1016-2       | 4.930 | 4.836     | 5.036 | 484.340            | 500.000           | -3.1 |
| Aroclor-1016-3       | 5.108 | 5.013     | 5.213 | 493.000            | 500.000           | -1.4 |
| Aroclor-1016-4       | 5.149 | 5.054     | 5.254 | 494.170            | 500.000           | -1.2 |
| Aroclor-1016-5       | 5.364 | 5.270     | 5.470 | 521.050            | 500.000           | 4.2  |
| Aroclor-1260-1       | 6.400 | 6.307     | 6.507 | 477.160            | 500.000           | -4.6 |
| Aroclor-1260-2       | 6.588 | 6.495     | 6.695 | 473.000            | 500.000           | -5.4 |
| Aroclor-1260-3       | 6.742 | 6.649     | 6.849 | 465.110            | 500.000           | -7.0 |
| Aroclor-1260-4       | 7.213 | 7.121     | 7.321 | 453.670            | 500.000           | -9.3 |
| Aroclor-1260-5       | 7.454 | 7.362     | 7.562 | 455.190            | 500.000           | -9.0 |
| Decachlorobiphenyl   | 8.871 | 8.781     | 8.981 | 46.060             | 50.000            | -7.9 |
| Tetrachloro-m-xylene | 3.826 | 3.729     | 3.929 | 48.770             | 50.000            | -2.5 |

### CALIBRATION VERIFICATION SUMMARY

Contract: GENV01

Lab Code: CHEM Case No.: Q1574 SAS No.: Q1574 SDG NO.: Q1574

Continuing Calib Date: 03/15/2025 Initial Calibration Date(s): 03/11/2025 03/11/2025

Continuing Calib Time: 05:06 Initial Calibration Time(s): 15:13 23:38

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

| COMPOUND             |     | CCAL<br>RT | AVG<br>RT | RT WINDOW |       | DIFF<br>RT |
|----------------------|-----|------------|-----------|-----------|-------|------------|
|                      |     |            |           | FROM      | TO    |            |
| Aroclor-1016-1       | (1) | 5.67       | 5.68      | 5.58      | 5.78  | 0.01       |
| Aroclor-1016-2       | (2) | 5.70       | 5.70      | 5.60      | 5.80  | 0.00       |
| Aroclor-1016-3       | (3) | 5.76       | 5.76      | 5.66      | 5.86  | 0.00       |
| Aroclor-1016-4       | (4) | 5.86       | 5.86      | 5.76      | 5.96  | 0.00       |
| Aroclor-1016-5       | (5) | 6.15       | 6.15      | 6.05      | 6.25  | 0.00       |
| Aroclor-1260-1       | (1) | 7.27       | 7.27      | 7.17      | 7.37  | 0.00       |
| Aroclor-1260-2       | (2) | 7.52       | 7.53      | 7.43      | 7.63  | 0.01       |
| Aroclor-1260-3       | (3) | 7.88       | 7.88      | 7.78      | 7.98  | 0.00       |
| Aroclor-1260-4       | (4) | 8.10       | 8.11      | 8.01      | 8.21  | 0.01       |
| Aroclor-1260-5       | (5) | 8.42       | 8.43      | 8.33      | 8.53  | 0.01       |
| Tetrachloro-m-xylene |     | 4.52       | 4.52      | 4.42      | 4.62  | 0.00       |
| Decachlorobiphenyl   |     | 10.24      | 10.25     | 10.15     | 10.35 | 0.01       |



### CALIBRATION VERIFICATION SUMMARY

Contract: GENV01

Lab Code: CHEM Case No.: Q1574 SAS No.: Q1574 SDG NO.: Q1574

Continuing Calib Date: 03/15/2025 Initial Calibration Date(s): 03/11/2025 03/11/2025

Continuing Calib Time: 05:06 Initial Calibration Time(s): 15:13 23:38

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

| COMPOUND             |     | CCAL<br>RT | AVG<br>RT | RT WINDOW |      | DIFF<br>RT |
|----------------------|-----|------------|-----------|-----------|------|------------|
|                      |     |            |           | FROM      | TO   |            |
| Aroclor-1016-1       | (1) | 4.91       | 4.92      | 4.82      | 5.02 | 0.01       |
| Aroclor-1016-2       | (2) | 4.93       | 4.94      | 4.84      | 5.04 | 0.01       |
| Aroclor-1016-3       | (3) | 5.11       | 5.11      | 5.01      | 5.21 | 0.00       |
| Aroclor-1016-4       | (4) | 5.15       | 5.15      | 5.05      | 5.25 | 0.00       |
| Aroclor-1016-5       | (5) | 5.36       | 5.37      | 5.27      | 5.47 | 0.01       |
| Aroclor-1260-1       | (1) | 6.40       | 6.41      | 6.31      | 6.51 | 0.01       |
| Aroclor-1260-2       | (2) | 6.59       | 6.60      | 6.50      | 6.70 | 0.01       |
| Aroclor-1260-3       | (3) | 6.74       | 6.75      | 6.65      | 6.85 | 0.01       |
| Aroclor-1260-4       | (4) | 7.21       | 7.22      | 7.12      | 7.32 | 0.01       |
| Aroclor-1260-5       | (5) | 7.45       | 7.46      | 7.36      | 7.56 | 0.01       |
| Tetrachloro-m-xylene |     | 3.83       | 3.83      | 3.73      | 3.93 | 0.00       |
| Decachlorobiphenyl   |     | 8.87       | 8.88      | 8.78      | 8.98 | 0.01       |

### CALIBRATION VERIFICATION SUMMARY

Contract: GENV01

Lab Code: CHEM Case No.: Q1574 SAS No.: Q1574 SDG NO.: Q1574

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 03/11/2025 03/11/2025

Client Sample No.: CCAL05 Date Analyzed: 03/15/2025

Lab Sample No.: AR1660CCC500 Data File : PP070568.D Time Analyzed: 05:06

| COMPOUND             | RT     | RT WINDOW<br>FROM TO |        | CALC<br>AMOUNT(ng) | NOM<br>AMOUNT(ng) | %D   |
|----------------------|--------|----------------------|--------|--------------------|-------------------|------|
| Aroclor-1016-1       | 5.673  | 5.577                | 5.777  | 464.850            | 500.000           | -7.0 |
| Aroclor-1016-2       | 5.695  | 5.599                | 5.799  | 501.140            | 500.000           | 0.2  |
| Aroclor-1016-3       | 5.757  | 5.661                | 5.861  | 487.390            | 500.000           | -2.5 |
| Aroclor-1016-4       | 5.855  | 5.758                | 5.958  | 483.220            | 500.000           | -3.4 |
| Aroclor-1016-5       | 6.147  | 6.051                | 6.251  | 479.270            | 500.000           | -4.1 |
| Aroclor-1260-1       | 7.266  | 7.171                | 7.371  | 508.310            | 500.000           | 1.7  |
| Aroclor-1260-2       | 7.519  | 7.425                | 7.625  | 490.450            | 500.000           | -1.9 |
| Aroclor-1260-3       | 7.878  | 7.783                | 7.983  | 488.320            | 500.000           | -2.3 |
| Aroclor-1260-4       | 8.102  | 8.008                | 8.208  | 471.720            | 500.000           | -5.7 |
| Aroclor-1260-5       | 8.422  | 8.328                | 8.528  | 487.240            | 500.000           | -2.6 |
| Decachlorobiphenyl   | 10.239 | 10.152               | 10.352 | 48.570             | 50.000            | -2.9 |
| Tetrachloro-m-xylene | 4.522  | 4.424                | 4.624  | 48.550             | 50.000            | -2.9 |

### CALIBRATION VERIFICATION SUMMARY

Contract: GENV01

Lab Code: CHEM Case No.: Q1574 SAS No.: Q1574 SDG NO.: Q1574

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 03/11/2025 03/11/2025

Client Sample No.: CCAL05 Date Analyzed: 03/15/2025

Lab Sample No.: AR1660CCC500 Data File : PP070568.D Time Analyzed: 05:06

| COMPOUND             | RT    | RT WINDOW |       | CALC<br>AMOUNT(ng) | NOM<br>AMOUNT(ng) | %D   |
|----------------------|-------|-----------|-------|--------------------|-------------------|------|
|                      |       | FROM      | TO    |                    |                   |      |
| Aroclor-1016-1       | 4.912 | 4.817     | 5.017 | 511.620            | 500.000           | 2.3  |
| Aroclor-1016-2       | 4.930 | 4.836     | 5.036 | 488.190            | 500.000           | -2.4 |
| Aroclor-1016-3       | 5.107 | 5.013     | 5.213 | 502.650            | 500.000           | 0.5  |
| Aroclor-1016-4       | 5.149 | 5.054     | 5.254 | 495.770            | 500.000           | -0.8 |
| Aroclor-1016-5       | 5.364 | 5.270     | 5.470 | 540.650            | 500.000           | 8.1  |
| Aroclor-1260-1       | 6.400 | 6.307     | 6.507 | 493.180            | 500.000           | -1.4 |
| Aroclor-1260-2       | 6.587 | 6.495     | 6.695 | 483.690            | 500.000           | -3.3 |
| Aroclor-1260-3       | 6.741 | 6.649     | 6.849 | 471.010            | 500.000           | -5.8 |
| Aroclor-1260-4       | 7.213 | 7.121     | 7.321 | 458.170            | 500.000           | -8.4 |
| Aroclor-1260-5       | 7.454 | 7.362     | 7.562 | 453.230            | 500.000           | -9.4 |
| Decachlorobiphenyl   | 8.869 | 8.781     | 8.981 | 46.240             | 50.000            | -7.5 |
| Tetrachloro-m-xylene | 3.826 | 3.729     | 3.929 | 49.820             | 50.000            | -0.4 |

## Analytical Sequence

**Client:** G Environmental

**SDG No.:** Q1574

**Project:** Ave L

**Instrument ID:** ECD\_O

**GC Column:** ZB-MR1

**ID:** 0.32 (mm)

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

02/20/2025

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

| EPA<br>SAMPLE NO. | LAB<br>SAMPLE ID | DATE<br>ANALYZED | TIME<br>ANALYZED | DATAFILE   | DCB<br>RT # | TCX<br>RT # |
|-------------------|------------------|------------------|------------------|------------|-------------|-------------|
| 1.BLK             | 1.BLK            | 02/20/2025       | 16:28            | PO109425.D | 8.76        | 3.70        |
| AR1660ICC1000     | AR1660ICC1000    | 02/20/2025       | 16:46            | PO109426.D | 8.76        | 3.70        |
| AR1660ICC750      | AR1660ICC750     | 02/20/2025       | 17:04            | PO109427.D | 8.76        | 3.70        |
| AR1660ICC500      | AR1660ICC500     | 02/20/2025       | 17:23            | PO109428.D | 8.76        | 3.70        |
| AR1660ICC250      | AR1660ICC250     | 02/20/2025       | 17:41            | PO109429.D | 8.76        | 3.70        |
| AR1660ICC050      | AR1660ICC050     | 02/20/2025       | 17:59            | PO109430.D | 8.76        | 3.70        |
| AR1221ICC500      | AR1221ICC500     | 02/20/2025       | 18:18            | PO109431.D | 8.76        | 3.70        |
| AR1232ICC500      | AR1232ICC500     | 02/20/2025       | 18:36            | PO109432.D | 8.76        | 3.70        |
| AR1242ICC1000     | AR1242ICC1000    | 02/20/2025       | 18:55            | PO109433.D | 8.76        | 3.70        |
| AR1242ICC750      | AR1242ICC750     | 02/20/2025       | 19:13            | PO109434.D | 8.76        | 3.70        |
| AR1242ICC500      | AR1242ICC500     | 02/20/2025       | 19:31            | PO109435.D | 8.76        | 3.70        |
| AR1242ICC250      | AR1242ICC250     | 02/20/2025       | 19:50            | PO109436.D | 8.76        | 3.70        |
| AR1242ICC050      | AR1242ICC050     | 02/20/2025       | 20:08            | PO109437.D | 8.76        | 3.70        |
| AR1248ICC1000     | AR1248ICC1000    | 02/20/2025       | 20:26            | PO109438.D | 8.76        | 3.70        |
| AR1248ICC750      | AR1248ICC750     | 02/20/2025       | 20:45            | PO109439.D | 8.76        | 3.70        |
| AR1248ICC500      | AR1248ICC500     | 02/20/2025       | 21:03            | PO109440.D | 8.76        | 3.70        |
| AR1248ICC250      | AR1248ICC250     | 02/20/2025       | 21:21            | PO109441.D | 8.76        | 3.70        |
| AR1248ICC050      | AR1248ICC050     | 02/20/2025       | 21:40            | PO109442.D | 8.75        | 3.70        |
| AR1254ICC1000     | AR1254ICC1000    | 02/20/2025       | 21:58            | PO109443.D | 8.75        | 3.70        |
| AR1254ICC750      | AR1254ICC750     | 02/20/2025       | 22:17            | PO109444.D | 8.76        | 3.70        |
| AR1254ICC500      | AR1254ICC500     | 02/20/2025       | 22:35            | PO109445.D | 8.76        | 3.70        |
| AR1254ICC250      | AR1254ICC250     | 02/20/2025       | 22:53            | PO109446.D | 8.76        | 3.70        |
| AR1254ICC050      | AR1254ICC050     | 02/20/2025       | 23:12            | PO109447.D | 8.76        | 3.70        |
| AR1262ICC500      | AR1262ICC500     | 02/20/2025       | 23:30            | PO109448.D | 8.75        | 3.70        |
| AR1268ICC1000     | AR1268ICC1000    | 02/20/2025       | 23:48            | PO109449.D | 8.76        | 3.70        |
| AR1268ICC750      | AR1268ICC750     | 02/21/2025       | 00:07            | PO109450.D | 8.76        | 3.70        |
| AR1268ICC500      | AR1268ICC500     | 02/21/2025       | 00:25            | PO109451.D | 8.75        | 3.70        |
| AR1268ICC250      | AR1268ICC250     | 02/21/2025       | 00:43            | PO109452.D | 8.76        | 3.70        |
| AR1268ICC050      | AR1268ICC050     | 02/21/2025       | 01:02            | PO109453.D | 8.75        | 3.70        |
| AR1660CCC500      | AR1660CCC500     | 03/17/2025       | 09:13            | PO109923.D | 8.75        | 3.69        |
| 1.BLK             | 1.BLK            | 03/17/2025       | 10:26            | PO109927.D | 8.75        | 3.69        |
| WC1               | Q1574-01         | 03/17/2025       | 11:02            | PO109929.D | 8.75        | 3.69        |
| WC1DL             | Q1574-01DL       | 03/17/2025       | 11:20            | PO109930.D | 8.74        | 3.69        |
| AR1660CCC500      | AR1660CCC500     | 03/17/2025       | 16:28            | PO109935.D | 8.75        | 3.69        |
| 1.BLK             | 1.BLK            | 03/17/2025       | 17:42            | PO109939.D | 8.75        | 3.69        |
| 1.BLK             | 1.BLK            | 03/11/2025       | 14:57            | PP070418.D | 10.25       | 4.53        |
| AR1660ICC1000     | AR1660ICC1000    | 03/11/2025       | 15:13            | PP070419.D | 10.25       | 4.53        |
| AR1660ICC750      | AR1660ICC750     | 03/11/2025       | 15:29            | PP070420.D | 10.25       | 4.52        |
| AR1660ICC500      | AR1660ICC500     | 03/11/2025       | 15:46            | PP070421.D | 10.25       | 4.52        |
| AR1660ICC250      | AR1660ICC250     | 03/11/2025       | 16:02            | PP070422.D | 10.26       | 4.53        |
| AR1660ICC050      | AR1660ICC050     | 03/11/2025       | 16:18            | PP070423.D | 10.25       | 4.53        |
| AR1221ICC500      | AR1221ICC500     | 03/11/2025       | 16:34            | PP070424.D | 10.25       | 4.53        |

### Analytical Sequence

|               |               |            |       |            |       |      |
|---------------|---------------|------------|-------|------------|-------|------|
| AR1232ICC1000 | AR1232ICC1000 | 03/11/2025 | 16:51 | PP070425.D | 10.25 | 4.53 |
| AR1232ICC750  | AR1232ICC750  | 03/11/2025 | 17:07 | PP070426.D | 10.25 | 4.53 |
| AR1232ICC500  | AR1232ICC500  | 03/11/2025 | 17:23 | PP070427.D | 10.25 | 4.53 |
| AR1232ICC250  | AR1232ICC250  | 03/11/2025 | 17:40 | PP070428.D | 10.25 | 4.53 |
| AR1232ICC050  | AR1232ICC050  | 03/11/2025 | 17:56 | PP070429.D | 10.26 | 4.53 |
| AR1242ICC1000 | AR1242ICC1000 | 03/11/2025 | 18:12 | PP070430.D | 10.25 | 4.53 |
| AR1242ICC750  | AR1242ICC750  | 03/11/2025 | 18:28 | PP070431.D | 10.25 | 4.53 |
| AR1242ICC500  | AR1242ICC500  | 03/11/2025 | 18:45 | PP070432.D | 10.25 | 4.53 |
| AR1242ICC250  | AR1242ICC250  | 03/11/2025 | 19:01 | PP070433.D | 10.25 | 4.52 |
| AR1242ICC050  | AR1242ICC050  | 03/11/2025 | 19:17 | PP070434.D | 10.25 | 4.53 |
| AR1248ICC1000 | AR1248ICC1000 | 03/11/2025 | 19:34 | PP070435.D | 10.25 | 4.53 |
| AR1248ICC750  | AR1248ICC750  | 03/11/2025 | 19:50 | PP070436.D | 10.25 | 4.52 |
| AR1248ICC500  | AR1248ICC500  | 03/11/2025 | 20:06 | PP070437.D | 10.25 | 4.52 |
| AR1248ICC250  | AR1248ICC250  | 03/11/2025 | 20:22 | PP070438.D | 10.25 | 4.52 |
| AR1248ICC050  | AR1248ICC050  | 03/11/2025 | 20:39 | PP070439.D | 10.25 | 4.52 |
| AR1254ICC1000 | AR1254ICC1000 | 03/11/2025 | 20:55 | PP070440.D | 10.25 | 4.53 |
| AR1254ICC750  | AR1254ICC750  | 03/11/2025 | 21:11 | PP070441.D | 10.25 | 4.52 |
| AR1254ICC500  | AR1254ICC500  | 03/11/2025 | 21:28 | PP070442.D | 10.25 | 4.53 |
| AR1254ICC250  | AR1254ICC250  | 03/11/2025 | 21:44 | PP070443.D | 10.25 | 4.52 |
| AR1254ICC050  | AR1254ICC050  | 03/11/2025 | 22:00 | PP070444.D | 10.25 | 4.53 |
| AR1262ICC500  | AR1262ICC500  | 03/11/2025 | 22:16 | PP070445.D | 10.25 | 4.52 |
| AR1268ICC1000 | AR1268ICC1000 | 03/11/2025 | 22:33 | PP070446.D | 10.25 | 4.53 |
| AR1268ICC750  | AR1268ICC750  | 03/11/2025 | 22:49 | PP070447.D | 10.25 | 4.53 |
| AR1268ICC500  | AR1268ICC500  | 03/11/2025 | 23:05 | PP070448.D | 10.25 | 4.52 |
| AR1268ICC250  | AR1268ICC250  | 03/11/2025 | 23:22 | PP070449.D | 10.25 | 4.52 |
| AR1268ICC050  | AR1268ICC050  | 03/11/2025 | 23:38 | PP070450.D | 10.25 | 4.53 |
| AR1660CCC500  | AR1660CCC500  | 03/14/2025 | 21:15 | PP070543.D | 10.24 | 4.53 |
| IBLK          | IBLK          | 03/14/2025 | 22:20 | PP070547.D | 10.24 | 4.52 |
| PB167143BL    | PB167143BL    | 03/14/2025 | 22:36 | PP070548.D | 10.24 | 4.52 |
| PB167143BS    | PB167143BS    | 03/14/2025 | 22:52 | PP070549.D | 10.24 | 4.52 |
| AR1660CCC500  | AR1660CCC500  | 03/15/2025 | 01:51 | PP070558.D | 10.24 | 4.52 |
| IBLK          | IBLK          | 03/15/2025 | 02:56 | PP070562.D | 10.24 | 4.52 |
| C0018MS       | Q1572-06MS    | 03/15/2025 | 03:29 | PP070564.D | 10.24 | 4.52 |
| C0018MSD      | Q1572-06MSD   | 03/15/2025 | 03:45 | PP070565.D | 10.24 | 4.52 |
| AR1660CCC500  | AR1660CCC500  | 03/15/2025 | 05:06 | PP070568.D | 10.24 | 4.52 |
| IBLK          | IBLK          | 03/15/2025 | 06:11 | PP070572.D | 10.24 | 4.52 |

## Analytical Sequence

**Client:** G Environmental

**SDG No.:** Q1574

**Project:** Ave L

**Instrument ID:** ECD\_O

**GC Column:** ZB-MR2

**ID:** 0.32 (mm)

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

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

| EPA<br>SAMPLE NO. | LAB<br>SAMPLE ID | DATE<br>ANALYZED | TIME<br>ANALYZED | DATAFILE   | DCB<br>RT # | TCX<br>RT # |
|-------------------|------------------|------------------|------------------|------------|-------------|-------------|
| IBLK              | IBLK             | 02/20/2025       | 16:28            | PO109425.D | 8.71        | 3.69        |
| AR1660ICC1000     | AR1660ICC1000    | 02/20/2025       | 16:46            | PO109426.D | 8.71        | 3.69        |
| AR1660ICC750      | AR1660ICC750     | 02/20/2025       | 17:04            | PO109427.D | 8.71        | 3.69        |
| AR1660ICC500      | AR1660ICC500     | 02/20/2025       | 17:23            | PO109428.D | 8.71        | 3.69        |
| AR1660ICC250      | AR1660ICC250     | 02/20/2025       | 17:41            | PO109429.D | 8.71        | 3.69        |
| AR1660ICC050      | AR1660ICC050     | 02/20/2025       | 17:59            | PO109430.D | 8.71        | 3.69        |
| AR1221ICC500      | AR1221ICC500     | 02/20/2025       | 18:18            | PO109431.D | 8.71        | 3.69        |
| AR1232ICC500      | AR1232ICC500     | 02/20/2025       | 18:36            | PO109432.D | 8.71        | 3.69        |
| AR1242ICC1000     | AR1242ICC1000    | 02/20/2025       | 18:55            | PO109433.D | 8.71        | 3.69        |
| AR1242ICC750      | AR1242ICC750     | 02/20/2025       | 19:13            | PO109434.D | 8.71        | 3.69        |
| AR1242ICC500      | AR1242ICC500     | 02/20/2025       | 19:31            | PO109435.D | 8.71        | 3.69        |
| AR1242ICC250      | AR1242ICC250     | 02/20/2025       | 19:50            | PO109436.D | 8.71        | 3.69        |
| AR1242ICC050      | AR1242ICC050     | 02/20/2025       | 20:08            | PO109437.D | 8.71        | 3.69        |
| AR1248ICC1000     | AR1248ICC1000    | 02/20/2025       | 20:26            | PO109438.D | 8.71        | 3.69        |
| AR1248ICC750      | AR1248ICC750     | 02/20/2025       | 20:45            | PO109439.D | 8.71        | 3.69        |
| AR1248ICC500      | AR1248ICC500     | 02/20/2025       | 21:03            | PO109440.D | 8.71        | 3.69        |
| AR1248ICC250      | AR1248ICC250     | 02/20/2025       | 21:21            | PO109441.D | 8.71        | 3.69        |
| AR1248ICC050      | AR1248ICC050     | 02/20/2025       | 21:40            | PO109442.D | 8.71        | 3.69        |
| AR1254ICC1000     | AR1254ICC1000    | 02/20/2025       | 21:58            | PO109443.D | 8.71        | 3.69        |
| AR1254ICC750      | AR1254ICC750     | 02/20/2025       | 22:17            | PO109444.D | 8.71        | 3.69        |
| AR1254ICC500      | AR1254ICC500     | 02/20/2025       | 22:35            | PO109445.D | 8.71        | 3.69        |
| AR1254ICC250      | AR1254ICC250     | 02/20/2025       | 22:53            | PO109446.D | 8.71        | 3.69        |
| AR1254ICC050      | AR1254ICC050     | 02/20/2025       | 23:12            | PO109447.D | 8.71        | 3.69        |
| AR1262ICC500      | AR1262ICC500     | 02/20/2025       | 23:30            | PO109448.D | 8.71        | 3.69        |
| AR1268ICC1000     | AR1268ICC1000    | 02/20/2025       | 23:48            | PO109449.D | 8.71        | 3.69        |
| AR1268ICC750      | AR1268ICC750     | 02/21/2025       | 00:07            | PO109450.D | 8.71        | 3.69        |
| AR1268ICC500      | AR1268ICC500     | 02/21/2025       | 00:25            | PO109451.D | 8.71        | 3.69        |
| AR1268ICC250      | AR1268ICC250     | 02/21/2025       | 00:43            | PO109452.D | 8.71        | 3.69        |
| AR1268ICC050      | AR1268ICC050     | 02/21/2025       | 01:02            | PO109453.D | 8.70        | 3.69        |
| AR1660CCC500      | AR1660CCC500     | 03/17/2025       | 09:13            | PO109923.D | 8.70        | 3.69        |
| IBLK              | IBLK             | 03/17/2025       | 10:26            | PO109927.D | 8.70        | 3.69        |
| WC1               | Q1574-01         | 03/17/2025       | 11:02            | PO109929.D | 8.70        | 3.69        |
| WC1DL             | Q1574-01DL       | 03/17/2025       | 11:20            | PO109930.D | 8.69        | 3.69        |
| AR1660CCC500      | AR1660CCC500     | 03/17/2025       | 16:28            | PO109935.D | 8.70        | 3.69        |
| IBLK              | IBLK             | 03/17/2025       | 17:42            | PO109939.D | 8.70        | 3.69        |
| IBLK              | IBLK             | 03/11/2025       | 14:57            | PP070418.D | 8.88        | 3.83        |
| AR1660ICC1000     | AR1660ICC1000    | 03/11/2025       | 15:13            | PP070419.D | 8.88        | 3.83        |
| AR1660ICC750      | AR1660ICC750     | 03/11/2025       | 15:29            | PP070420.D | 8.88        | 3.83        |
| AR1660ICC500      | AR1660ICC500     | 03/11/2025       | 15:46            | PP070421.D | 8.88        | 3.83        |
| AR1660ICC250      | AR1660ICC250     | 03/11/2025       | 16:02            | PP070422.D | 8.88        | 3.83        |
| AR1660ICC050      | AR1660ICC050     | 03/11/2025       | 16:18            | PP070423.D | 8.88        | 3.83        |
| AR1221ICC500      | AR1221ICC500     | 03/11/2025       | 16:34            | PP070424.D | 8.88        | 3.83        |

### Analytical Sequence

|               |               |            |       |            |      |      |
|---------------|---------------|------------|-------|------------|------|------|
| AR1232ICC1000 | AR1232ICC1000 | 03/11/2025 | 16:51 | PP070425.D | 8.88 | 3.83 |
| AR1232ICC750  | AR1232ICC750  | 03/11/2025 | 17:07 | PP070426.D | 8.88 | 3.83 |
| AR1232ICC500  | AR1232ICC500  | 03/11/2025 | 17:23 | PP070427.D | 8.88 | 3.83 |
| AR1232ICC250  | AR1232ICC250  | 03/11/2025 | 17:40 | PP070428.D | 8.88 | 3.83 |
| AR1232ICC050  | AR1232ICC050  | 03/11/2025 | 17:56 | PP070429.D | 8.88 | 3.83 |
| AR1242ICC1000 | AR1242ICC1000 | 03/11/2025 | 18:12 | PP070430.D | 8.88 | 3.83 |
| AR1242ICC750  | AR1242ICC750  | 03/11/2025 | 18:28 | PP070431.D | 8.88 | 3.83 |
| AR1242ICC500  | AR1242ICC500  | 03/11/2025 | 18:45 | PP070432.D | 8.88 | 3.83 |
| AR1242ICC250  | AR1242ICC250  | 03/11/2025 | 19:01 | PP070433.D | 8.88 | 3.83 |
| AR1242ICC050  | AR1242ICC050  | 03/11/2025 | 19:17 | PP070434.D | 8.88 | 3.83 |
| AR1248ICC1000 | AR1248ICC1000 | 03/11/2025 | 19:34 | PP070435.D | 8.88 | 3.83 |
| AR1248ICC750  | AR1248ICC750  | 03/11/2025 | 19:50 | PP070436.D | 8.88 | 3.83 |
| AR1248ICC500  | AR1248ICC500  | 03/11/2025 | 20:06 | PP070437.D | 8.88 | 3.83 |
| AR1248ICC250  | AR1248ICC250  | 03/11/2025 | 20:22 | PP070438.D | 8.88 | 3.83 |
| AR1248ICC050  | AR1248ICC050  | 03/11/2025 | 20:39 | PP070439.D | 8.88 | 3.83 |
| AR1254ICC1000 | AR1254ICC1000 | 03/11/2025 | 20:55 | PP070440.D | 8.88 | 3.83 |
| AR1254ICC750  | AR1254ICC750  | 03/11/2025 | 21:11 | PP070441.D | 8.88 | 3.83 |
| AR1254ICC500  | AR1254ICC500  | 03/11/2025 | 21:28 | PP070442.D | 8.88 | 3.83 |
| AR1254ICC250  | AR1254ICC250  | 03/11/2025 | 21:44 | PP070443.D | 8.88 | 3.83 |
| AR1254ICC050  | AR1254ICC050  | 03/11/2025 | 22:00 | PP070444.D | 8.88 | 3.83 |
| AR1262ICC500  | AR1262ICC500  | 03/11/2025 | 22:16 | PP070445.D | 8.88 | 3.83 |
| AR1268ICC1000 | AR1268ICC1000 | 03/11/2025 | 22:33 | PP070446.D | 8.88 | 3.83 |
| AR1268ICC750  | AR1268ICC750  | 03/11/2025 | 22:49 | PP070447.D | 8.88 | 3.83 |
| AR1268ICC500  | AR1268ICC500  | 03/11/2025 | 23:05 | PP070448.D | 8.88 | 3.83 |
| AR1268ICC250  | AR1268ICC250  | 03/11/2025 | 23:22 | PP070449.D | 8.88 | 3.83 |
| AR1268ICC050  | AR1268ICC050  | 03/11/2025 | 23:38 | PP070450.D | 8.88 | 3.83 |
| AR1660CCC500  | AR1660CCC500  | 03/14/2025 | 21:15 | PP070543.D | 8.87 | 3.83 |
| IBLK          | IBLK          | 03/14/2025 | 22:20 | PP070547.D | 8.87 | 3.83 |
| PB167143BL    | PB167143BL    | 03/14/2025 | 22:36 | PP070548.D | 8.87 | 3.83 |
| PB167143BS    | PB167143BS    | 03/14/2025 | 22:52 | PP070549.D | 8.87 | 3.83 |
| AR1660CCC500  | AR1660CCC500  | 03/15/2025 | 01:51 | PP070558.D | 8.87 | 3.83 |
| IBLK          | IBLK          | 03/15/2025 | 02:56 | PP070562.D | 8.87 | 3.83 |
| C0018MS       | Q1572-06MS    | 03/15/2025 | 03:29 | PP070564.D | 8.87 | 3.83 |
| C0018MSD      | Q1572-06MSD   | 03/15/2025 | 03:45 | PP070565.D | 8.87 | 3.83 |
| AR1660CCC500  | AR1660CCC500  | 03/15/2025 | 05:06 | PP070568.D | 8.87 | 3.83 |
| IBLK          | IBLK          | 03/15/2025 | 06:11 | PP070572.D | 8.87 | 3.83 |

IDENTIFICATION SUMMARY  
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

WC1

Contract: GENV01

Lab Code: CHEM Case No.: Q1574 SAS No.: Q1574 SDG NO.: Q1574

Lab Sample ID: Q1574-01 Date(s) Analyzed: 03/17/2025 03/17/2025

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

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

Data file PO109929.D

| ANALYTE      | COL | RT    | RT WINDOW |       | CONCENTRATION | MEAN<br>CONCENTRATION | %RPD |
|--------------|-----|-------|-----------|-------|---------------|-----------------------|------|
|              |     |       | FROM      | TO    |               |                       |      |
| Aroclor-1254 | 1   | 5.596 | 5.546     | 5.646 | 479           | 816                   |      |
| COLUMN 1     | 2   | 5.747 | 5.697     | 5.797 | 1040          |                       |      |
|              | 3   | 6.151 | 6.101     | 6.201 | 827           |                       |      |
|              | 4   | 6.381 | 6.331     | 6.431 | 643           |                       |      |
|              | 5   | 6.8   | 6.75      | 6.85  | 1090          |                       |      |
|              |     |       |           |       |               |                       |      |
| COLUMN 2     | 1   | 5.575 | 5.525     | 5.625 | 538           | 884                   |      |
|              | 2   | 5.725 | 5.675     | 5.775 | 1090          |                       |      |
|              | 3   | 6.126 | 6.076     | 6.176 | 909           |                       |      |
|              | 4   | 6.354 | 6.304     | 6.404 | 713           |                       |      |
|              | 5   | 6.771 | 6.721     | 6.821 | 1170          |                       |      |
|              |     |       |           |       |               |                       |      |



IDENTIFICATION SUMMARY  
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

WC1DL

Contract: GENV01

Lab Code: CHEM Case No.: Q1574 SAS No.: Q1574 SDG NO.: Q1574

Lab Sample ID: Q1574-01DL Date(s) Analyzed: 03/17/2025 03/17/2025

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

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

Data file PO109930.D

| ANALYTE      | COL | RT    | RT WINDOW |       | CONCENTRATION | MEAN<br>CONCENTRATION | %RPD |
|--------------|-----|-------|-----------|-------|---------------|-----------------------|------|
|              |     |       | FROM      | TO    |               |                       |      |
| Aroclor-1254 | 1   | 5.593 | 5.543     | 5.643 | 480           | 805                   | 8.1  |
| COLUMN 1     | 2   | 5.743 | 5.693     | 5.793 | 962           |                       |      |
|              | 3   | 6.148 | 6.098     | 6.198 | 945           |                       |      |
|              | 4   | 6.377 | 6.327     | 6.427 | 617           |                       |      |
|              | 5   | 6.797 | 6.747     | 6.847 | 1020          |                       |      |
|              | 1   | 5.574 | 5.524     | 5.624 | 553           |                       |      |
| COLUMN 2     | 2   | 5.723 | 5.673     | 5.773 | 1070          | 873                   |      |
|              | 3   | 6.124 | 6.074     | 6.174 | 932           |                       |      |
|              | 4   | 6.352 | 6.302     | 6.402 | 691           |                       |      |
|              | 5   | 6.769 | 6.719     | 6.819 | 1120          |                       |      |
|              |     |       |           |       |               |                       |      |

IDENTIFICATION SUMMARY  
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

PB167143BS

Contract: GENV01

Lab Code: CHEM Case No.: Q1574 SAS No.: Q1574 SDG NO.: Q1574

Lab Sample ID: PB167143BS Date(s) Analyzed: 03/14/2025 03/14/2025

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

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

Data file PP070549.D

| ANALYTE      | COL | RT    | RT WINDOW |       | CONCENTRATION | MEAN<br>CONCENTRATION | %RPD |
|--------------|-----|-------|-----------|-------|---------------|-----------------------|------|
|              |     |       | FROM      | TO    |               |                       |      |
| Aroclor-1016 | 1   | 5.675 | 5.625     | 5.725 | 146           | 146                   | 4.03 |
| COLUMN 1     | 2   | 5.697 | 5.647     | 5.747 | 157           |                       |      |
|              | 3   | 5.759 | 5.709     | 5.809 | 146           |                       |      |
|              | 4   | 5.856 | 5.806     | 5.906 | 141           |                       |      |
|              | 5   | 6.149 | 6.099     | 6.199 | 142           |                       |      |
|              | 1   | 4.913 | 4.863     | 4.963 | 156           |                       |      |
| COLUMN 2     | 2   | 4.932 | 4.882     | 4.982 | 149           | 152                   |      |
|              | 3   | 5.109 | 5.059     | 5.159 | 153           |                       |      |
|              | 4   | 5.15  | 5.1       | 5.2   | 152           |                       |      |
|              | 5   | 5.366 | 5.316     | 5.416 | 150           |                       |      |
|              |     |       |           |       |               |                       |      |
| Aroclor-1260 | 1   | 7.268 | 7.218     | 7.318 | 161           | 145                   | 0.69 |
| COLUMN 1     | 2   | 7.522 | 7.472     | 7.572 | 156           |                       |      |
|              | 3   | 7.88  | 7.83      | 7.93  | 133           |                       |      |
|              | 4   | 8.102 | 8.052     | 8.152 | 138           |                       |      |
|              | 5   | 8.424 | 8.374     | 8.474 | 138           |                       |      |
|              | 1   | 6.402 | 6.352     | 6.452 | 155           |                       |      |
| COLUMN 2     | 2   | 6.59  | 6.54      | 6.64  | 152           | 144                   |      |
|              | 3   | 6.743 | 6.693     | 6.793 | 153           |                       |      |
|              | 4   | 7.215 | 7.165     | 7.265 | 129           |                       |      |
|              | 5   | 7.456 | 7.406     | 7.506 | 130           |                       |      |
|              |     |       |           |       |               |                       |      |

IDENTIFICATION SUMMARY  
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

C0018MS

Contract: GENV01

Lab Code: CHEM Case No.: Q1574 SAS No.: Q1574 SDG NO.: Q1574

Lab Sample ID: Q1572-06MS Date(s) Analyzed: 03/15/2025 03/15/2025

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

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

Data file PP070564.D

| ANALYTE      | COL | RT    | RT WINDOW |       | CONCENTRATION | MEAN<br>CONCENTRATION | %RPD  |
|--------------|-----|-------|-----------|-------|---------------|-----------------------|-------|
|              |     |       | FROM      | TO    |               |                       |       |
| Aroclor-1016 | 1   | 5.675 | 5.625     | 5.725 | 13000         | 14000                 | 13.33 |
| COLUMN 1     | 2   | 5.697 | 5.647     | 5.747 | 17500         |                       |       |
|              | 3   | 5.762 | 5.712     | 5.812 | 2750          |                       |       |
|              | 4   | 5.855 | 5.805     | 5.905 | 14100         |                       |       |
|              | 5   | 6.147 | 6.097     | 6.197 | 24900         |                       |       |
| COLUMN 2     | 1   | 4.913 | 4.863     | 4.963 | 12500         | 16000                 |       |
|              | 2   | 4.932 | 4.882     | 4.982 | 15300         |                       |       |
|              | 3   | 5.109 | 5.059     | 5.159 | 13200         |                       |       |
|              | 4   | 5.15  | 5.1       | 5.2   | 19500         |                       |       |
|              | 5   | 5.365 | 5.315     | 5.415 | 20900         |                       |       |
| Aroclor-1248 | 1   | 5.675 | 5.625     | 5.725 | 19800         | 18000                 | 11.76 |
| COLUMN 1     | 2   | 5.946 | 5.896     | 5.996 | 16400         |                       |       |
|              | 3   | 6.147 | 6.097     | 6.197 | 18700         |                       |       |
|              | 4   | 6.547 | 6.497     | 6.597 | 16700         |                       |       |
|              | 5   | 6.586 | 6.536     | 6.636 | 17900         |                       |       |
| COLUMN 2     | 1   | 4.913 | 4.863     | 4.963 | 19100         | 16000                 |       |
|              | 2   | 5.15  | 5.1       | 5.2   | 14000         |                       |       |
|              | 3   | 5.192 | 5.142     | 5.242 | 15400         |                       |       |
|              | 4   | 5.365 | 5.315     | 5.415 | 16000         |                       |       |
|              | 5   | 5.759 | 5.709     | 5.809 | 16400         |                       |       |

IDENTIFICATION SUMMARY  
FOR MULTICOMPONENT ANALYTES

|              |   |       |       |       |      |      |   |  |
|--------------|---|-------|-------|-------|------|------|---|--|
| Aroclor-1260 | 1 | 7.268 | 7.218 | 7.318 | 1470 | 1200 | 8 |  |
|              | 2 | 7.52  | 7.47  | 7.57  | 1830 |      |   |  |
|              | 3 | 7.878 | 7.828 | 7.928 | 932  |      |   |  |
|              | 4 | 8.099 | 8.049 | 8.149 | 1170 |      |   |  |
|              | 5 | 8.424 | 8.374 | 8.474 | 745  |      |   |  |
| COLUMN 1     |   |       |       |       |      | 1300 |   |  |
|              | 1 | 6.413 | 6.363 | 6.463 | 3280 |      |   |  |
|              | 2 | 6.589 | 6.539 | 6.639 | 896  |      |   |  |
|              | 3 | 6.742 | 6.692 | 6.792 | 1140 |      |   |  |
|              | 4 | 7.215 | 7.165 | 7.265 | 651  |      |   |  |
| COLUMN 2     | 5 | 7.455 | 7.405 | 7.505 | 753  |      |   |  |
|              |   |       |       |       |      |      |   |  |

IDENTIFICATION SUMMARY  
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

C0018MSD

Contract: GENV01

Lab Code: CHEM Case No.: Q1574 SAS No.: Q1574 SDG NO.: Q1574

Lab Sample ID: Q1572-06MSD Date(s) Analyzed: 03/15/2025 03/15/2025

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

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

Data file PP070565.D

| ANALYTE      | COL | RT    | RT WINDOW |       | CONCENTRATION | MEAN<br>CONCENTRATION | %RPD  |
|--------------|-----|-------|-----------|-------|---------------|-----------------------|-------|
|              |     |       | FROM      | TO    |               |                       |       |
| Aroclor-1016 | 1   | 5.675 | 5.625     | 5.725 | 13600         | 15000                 | 12.5  |
| COLUMN 1     | 2   | 5.696 | 5.646     | 5.746 | 18500         |                       |       |
|              | 3   | 5.763 | 5.713     | 5.813 | 2910          |                       |       |
|              | 4   | 5.856 | 5.806     | 5.906 | 14900         |                       |       |
|              | 5   | 6.147 | 6.097     | 6.197 | 26000         |                       |       |
|              | 1   | 4.913 | 4.863     | 4.963 | 13100         |                       |       |
| COLUMN 2     | 2   | 4.931 | 4.881     | 4.981 | 16200         | 17000                 |       |
|              | 3   | 5.109 | 5.059     | 5.159 | 14200         |                       |       |
|              | 4   | 5.15  | 5.1       | 5.2   | 20600         |                       |       |
|              | 5   | 5.365 | 5.315     | 5.415 | 22000         |                       |       |
|              |     |       |           |       |               |                       |       |
| Aroclor-1248 | 1   | 5.675 | 5.625     | 5.725 | 20600         | 19000                 | 11.11 |
| COLUMN 1     | 2   | 5.946 | 5.896     | 5.996 | 17000         |                       |       |
|              | 3   | 6.147 | 6.097     | 6.197 | 19700         |                       |       |
|              | 4   | 6.548 | 6.498     | 6.598 | 17400         |                       |       |
|              | 5   | 6.586 | 6.536     | 6.636 | 18500         |                       |       |
|              | 1   | 4.913 | 4.863     | 4.963 | 20000         |                       |       |
| COLUMN 2     | 2   | 5.15  | 5.1       | 5.2   | 14700         | 17000                 |       |
|              | 3   | 5.192 | 5.142     | 5.242 | 16200         |                       |       |
|              | 4   | 5.365 | 5.315     | 5.415 | 16800         |                       |       |
|              | 5   | 5.758 | 5.708     | 5.808 | 17100         |                       |       |
|              |     |       |           |       |               |                       |       |

IDENTIFICATION SUMMARY  
FOR MULTICOMPONENT ANALYTES

|              |   |       |       |       |      |      |      |
|--------------|---|-------|-------|-------|------|------|------|
| Aroclor-1260 | 1 | 7.268 | 7.218 | 7.318 | 1520 | 1300 | 7.41 |
|              | 2 | 7.519 | 7.469 | 7.569 | 1920 |      |      |
|              | 3 | 7.878 | 7.828 | 7.928 | 964  |      |      |
|              | 4 | 8.098 | 8.048 | 8.148 | 1200 |      |      |
|              | 5 | 8.424 | 8.374 | 8.474 | 760  |      |      |
| COLUMN 1     | 1 | 6.413 | 6.363 | 6.463 | 3420 | 1400 |      |
|              | 2 | 6.588 | 6.538 | 6.638 | 933  |      |      |
|              | 3 | 6.741 | 6.691 | 6.791 | 1190 |      |      |
|              | 4 | 7.214 | 7.164 | 7.264 | 671  |      |      |
|              | 5 | 7.455 | 7.405 | 7.505 | 768  |      |      |
| COLUMN 2     | 1 | 7.268 | 7.218 | 7.318 | 1520 | 1300 | 7.41 |
|              | 2 | 7.519 | 7.469 | 7.569 | 1920 |      |      |
|              | 3 | 7.878 | 7.828 | 7.928 | 964  |      |      |
|              | 4 | 8.098 | 8.048 | 8.148 | 1200 |      |      |
|              | 5 | 8.424 | 8.374 | 8.474 | 760  |      |      |



# SAMPLE RAW DATA

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\P0031725\  
 Data File : P0109929.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 17 Mar 2025 11:02  
 Operator : YP/AJ  
 Sample : Q1574-01  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 ECD\_O  
 ClientSampleId :  
 WC1

### Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/18/2025  
 Supervised By :mohammad ahmed 03/19/2025

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Mar 18 01:31:34 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\P0022025.M  
 Quant Title : GC EXTRACTABLES  
 QLast Update : Fri Feb 21 04:40:23 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

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

| Compound                    | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml    | ng/ml    |
|-----------------------------|-------|-------|----------|----------|----------|----------|
| -----                       |       |       |          |          |          |          |
| System Monitoring Compounds |       |       |          |          |          |          |
| 1) SA Tetrachlo...          | 3.693 | 3.690 | 174.6E6  | 103.8E6  | 18.451m  | 19.840m  |
| 2) SA Decachlor...          | 8.746 | 8.698 | 239.0E6  | 74993218 | 27.781m  | 23.551m  |
|                             |       |       |          |          |          |          |
| Target Compounds            |       |       |          |          |          |          |
| 26) L6 AR-1254-1            | 5.596 | 5.575 | 727.6E6  | 414.4E6  | 1411.125 | 1584.419 |
| 27) L6 AR-1254-2            | 5.747 | 5.725 | 1385.9E6 | 754.3E6  | 3077.166 | 3215.895 |
| 28) L6 AR-1254-3            | 6.151 | 6.126 | 1744.0E6 | 955.1E6  | 2435.935 | 2677.679 |
| 29) L6 AR-1254-4            | 6.381 | 6.354 | 792.6E6  | 405.4E6  | 1892.559 | 2098.957 |
| 30) L6 AR-1254-5            | 6.800 | 6.771 | 1997.8E6 | 1021.0E6 | 3202.124 | 3440.956 |
| -----                       |       |       |          |          |          |          |

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO031725\  
Data File : PO109929.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 17 Mar 2025 11:02  
Operator : YP/AJ  
Sample : Q1574-01  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

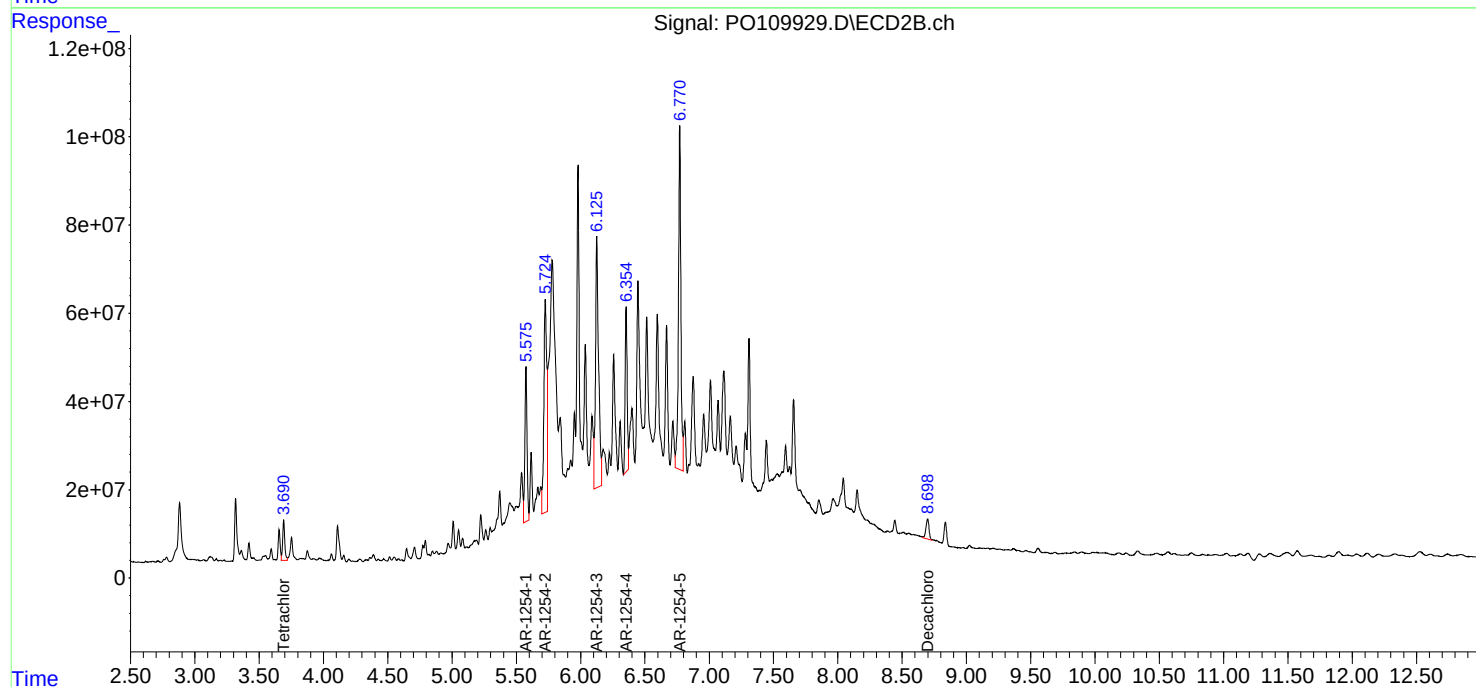
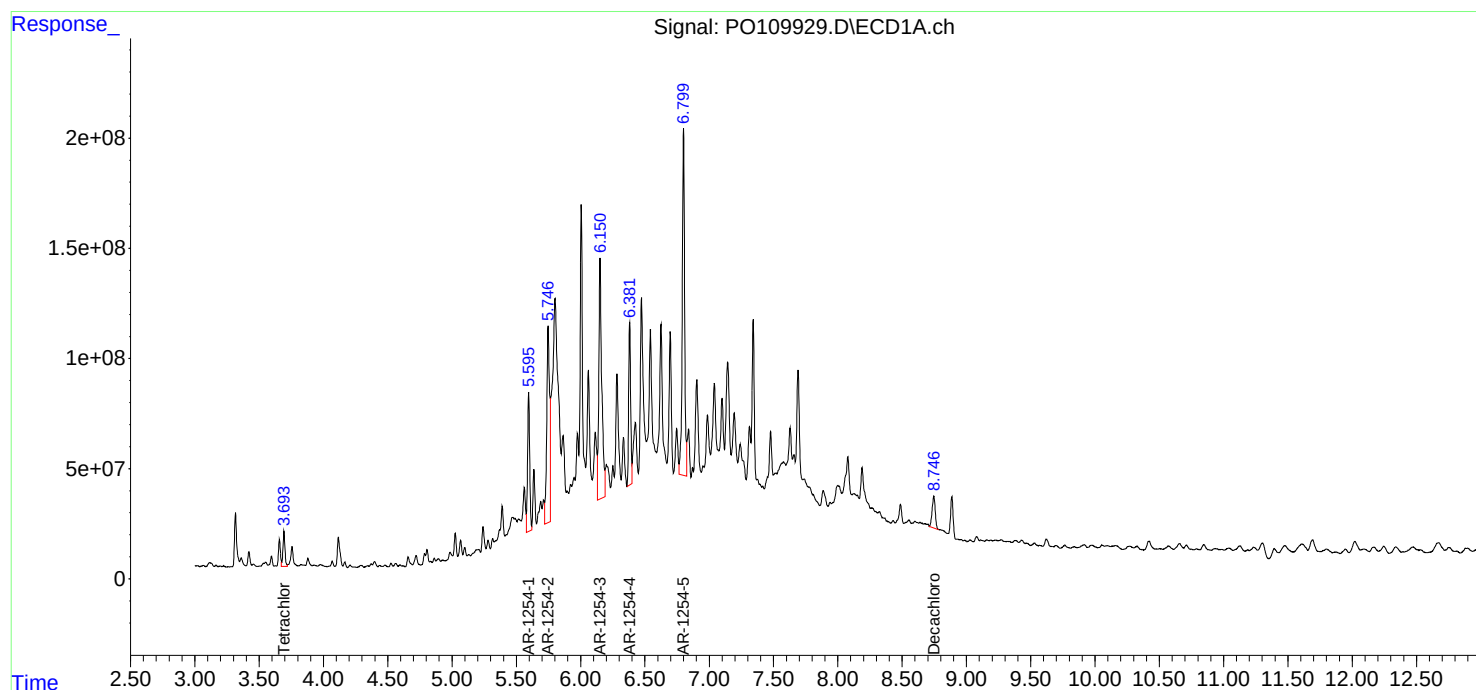
Instrument :  
ECD\_O  
ClientSampleId :  
WC1

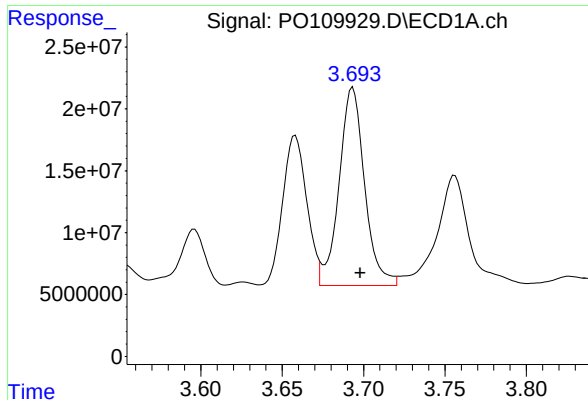
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 03/18/2025  
Supervised By :mohammad ahmed 03/19/2025

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Mar 18 01:31:34 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO022025.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Fri Feb 21 04:40:23 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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





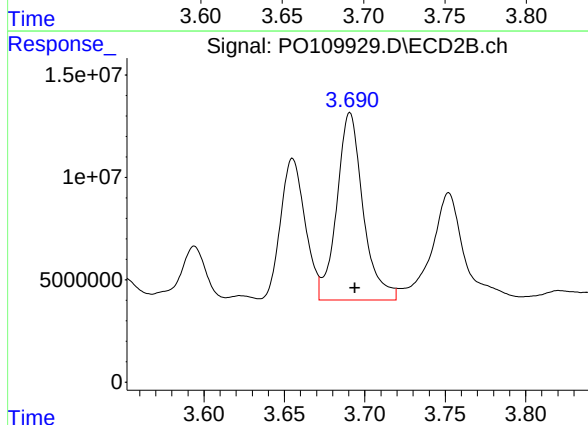
## #1 Tetrachloro-m-xylene

R.T.: 3.693 min  
Delta R.T.: -0.005 min  
Response: 174643017  
Conc: 18.45 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
WC1

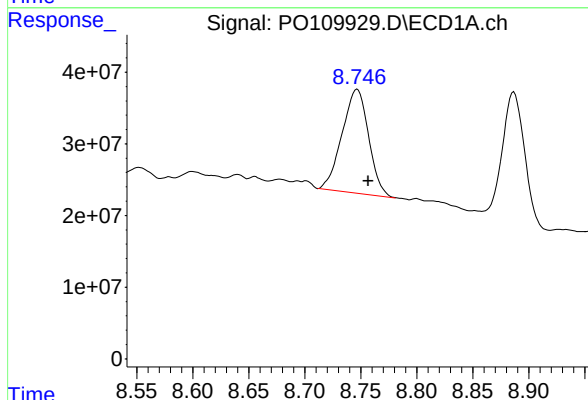
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 03/18/2025  
Supervised By :mohammad ahmed 03/19/2025



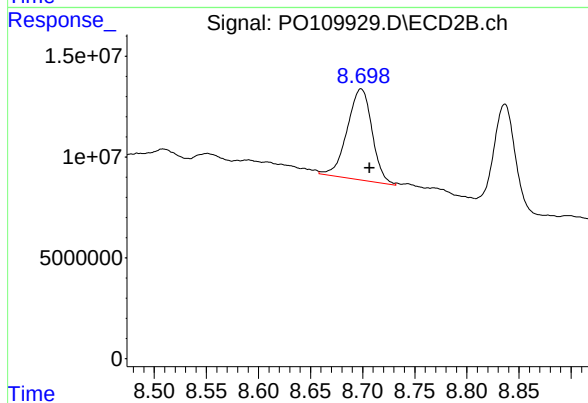
## #1 Tetrachloro-m-xylene

R.T.: 3.690 min  
Delta R.T.: -0.003 min  
Response: 103846867  
Conc: 19.84 ng/ml



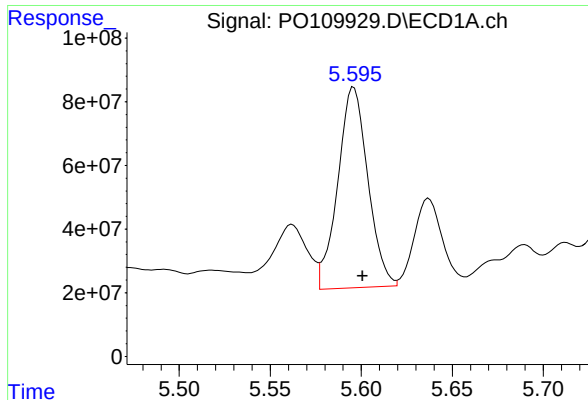
## #2 Decachlorobiphenyl

R.T.: 8.746 min  
Delta R.T.: -0.010 min  
Response: 238970894  
Conc: 27.78 ng/ml



## #2 Decachlorobiphenyl

R.T.: 8.698 min  
Delta R.T.: -0.009 min  
Response: 74993218  
Conc: 23.55 ng/ml



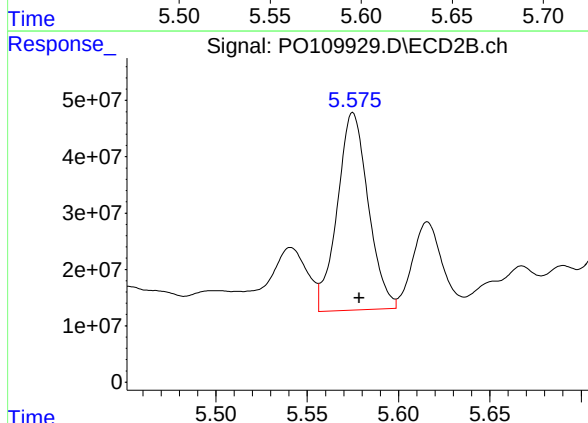
#26 AR-1254-1

R.T.: 5.596 min  
Delta R.T.: -0.005 min  
Response: 727585264  
Conc: 1411.12 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
WC1

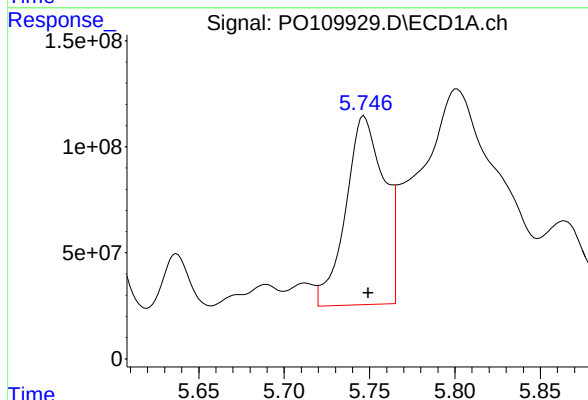
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 03/18/2025  
Supervised By :mohammad ahmed 03/19/2025



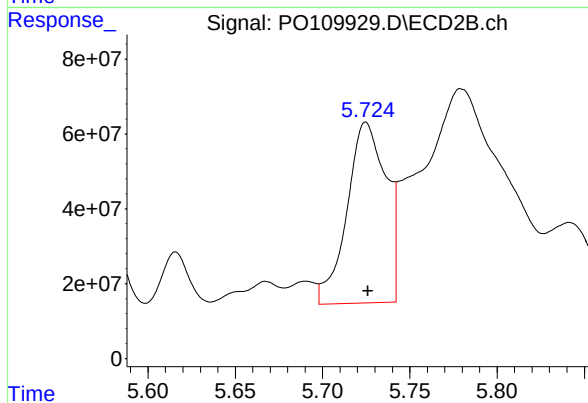
#26 AR-1254-1

R.T.: 5.575 min  
Delta R.T.: -0.003 min  
Response: 414386173  
Conc: 1584.42 ng/ml



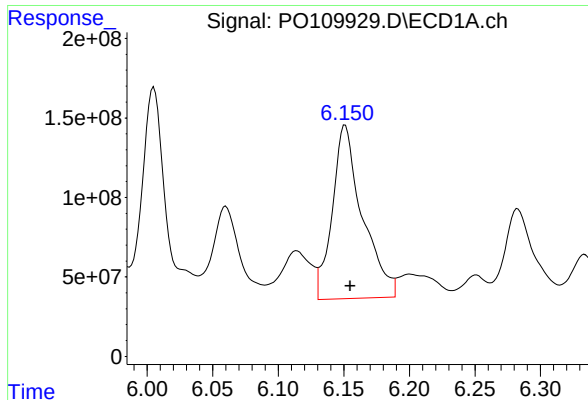
#27 AR-1254-2

R.T.: 5.747 min  
Delta R.T.: -0.002 min  
Response: 1385877209  
Conc: 3077.17 ng/ml



#27 AR-1254-2

R.T.: 5.725 min  
Delta R.T.: -0.001 min  
Response: 754325007  
Conc: 3215.90 ng/ml



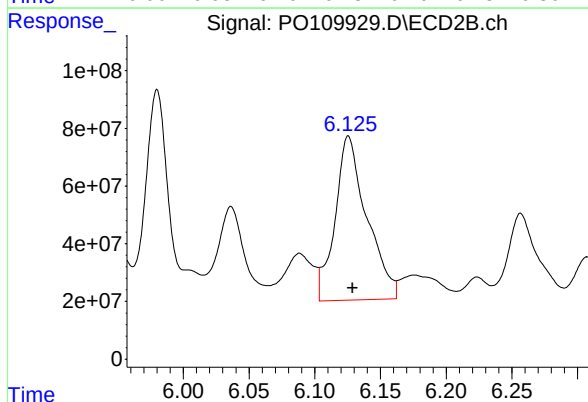
#28 AR-1254-3

R.T.: 6.151 min  
Delta R.T.: -0.004 min  
Response: 1744021014  
Conc: 2435.94 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
WC1

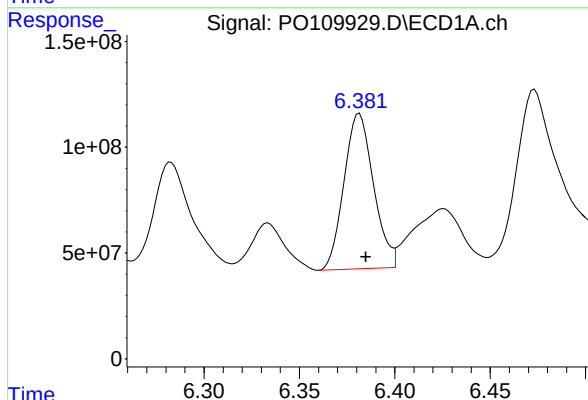
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 03/18/2025  
Supervised By :mohammad ahmed 03/19/2025



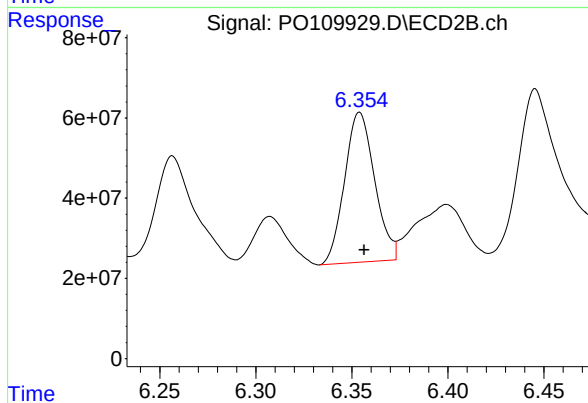
#28 AR-1254-3

R.T.: 6.126 min  
Delta R.T.: -0.003 min  
Response: 955140431  
Conc: 2677.68 ng/ml



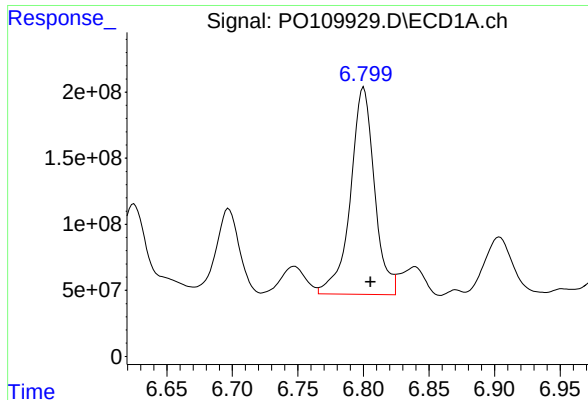
#29 AR-1254-4

R.T.: 6.381 min  
Delta R.T.: -0.003 min  
Response: 792587825  
Conc: 1892.56 ng/ml



#29 AR-1254-4

R.T.: 6.354 min  
Delta R.T.: -0.002 min  
Response: 405357688  
Conc: 2098.96 ng/ml



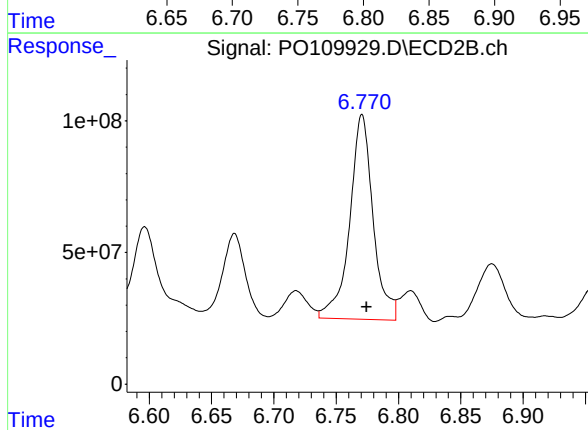
#30 AR-1254-5

R.T.: 6.800 min  
Delta R.T.: -0.005 min  
Response: 1997814415  
Conc: 3202.12 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
WC1

Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 03/18/2025  
Supervised By :mohammad ahmed 03/19/2025



#30 AR-1254-5

R.T.: 6.771 min  
Delta R.T.: -0.004 min  
Response: 1021042534  
Conc: 3440.96 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\P0031725\  
 Data File : P0109930.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 17 Mar 2025 11:20  
 Operator : YP/AJ  
 Sample : Q1574-01DL 5X  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

## Instrument :

ECD\_O

ClientSampleId :

WC1DL

## Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 03/18/2025

Supervised By :mohammad ahmed 03/19/2025

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Mar 18 01:31:58 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\P0022025.M  
 Quant Title : GC EXTRACTABLES  
 QLast Update : Fri Feb 21 04:40:23 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

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

| Compound                    | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml   | ng/ml   |
|-----------------------------|-------|-------|----------|----------|---------|---------|
| -----                       |       |       |          |          |         |         |
| System Monitoring Compounds |       |       |          |          |         |         |
| 1) SA Tetrachlo...          | 3.691 | 3.690 | 38517181 | 19398431 | 4.069m  | 3.706m  |
| 2) SA Decachlor...          | 8.743 | 8.694 | 56138249 | 15115079 | 6.526m  | 4.747 # |
|                             |       |       |          |          |         |         |
| Target Compounds            |       |       |          |          |         |         |
| 26) L6 AR-1254-1            | 5.593 | 5.574 | 145.7E6  | 85137355 | 282.609 | 325.525 |
| 27) L6 AR-1254-2            | 5.743 | 5.723 | 255.1E6  | 147.3E6  | 566.324 | 627.941 |
| 28) L6 AR-1254-3            | 6.148 | 6.124 | 398.3E6  | 195.8E6  | 556.326 | 548.986 |
| 29) L6 AR-1254-4            | 6.377 | 6.352 | 152.2E6  | 78620421 | 363.346 | 407.099 |
| 30) L6 AR-1254-5            | 6.797 | 6.769 | 375.5E6  | 196.5E6  | 601.928 | 662.147 |
| -----                       |       |       |          |          |         |         |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_O\Data\PO031725\  
Data File : PO109930.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 17 Mar 2025 11:20  
Operator : YP/AJ  
Sample : Q1574-01DL 5X  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

## Instrument :

ECD\_O

ClientSampleId :

WC1DL

## Manual Integrations

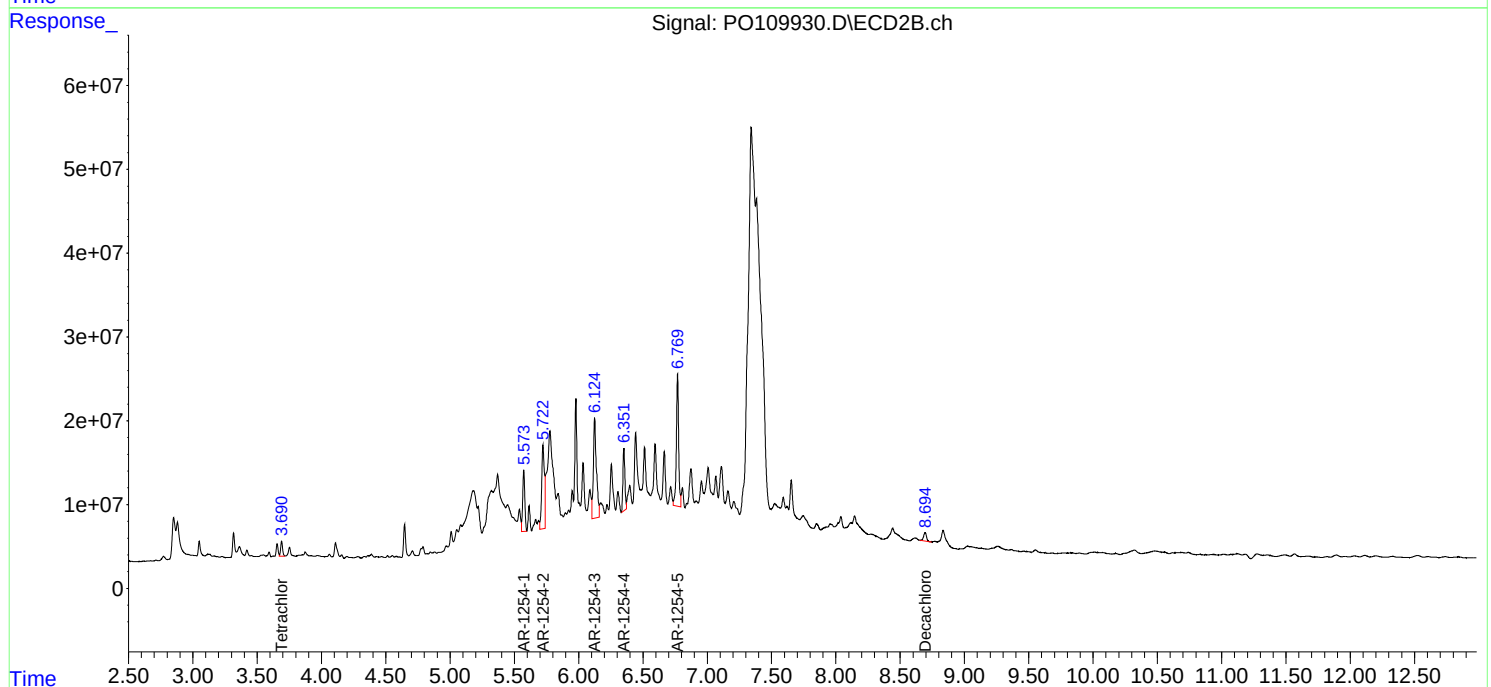
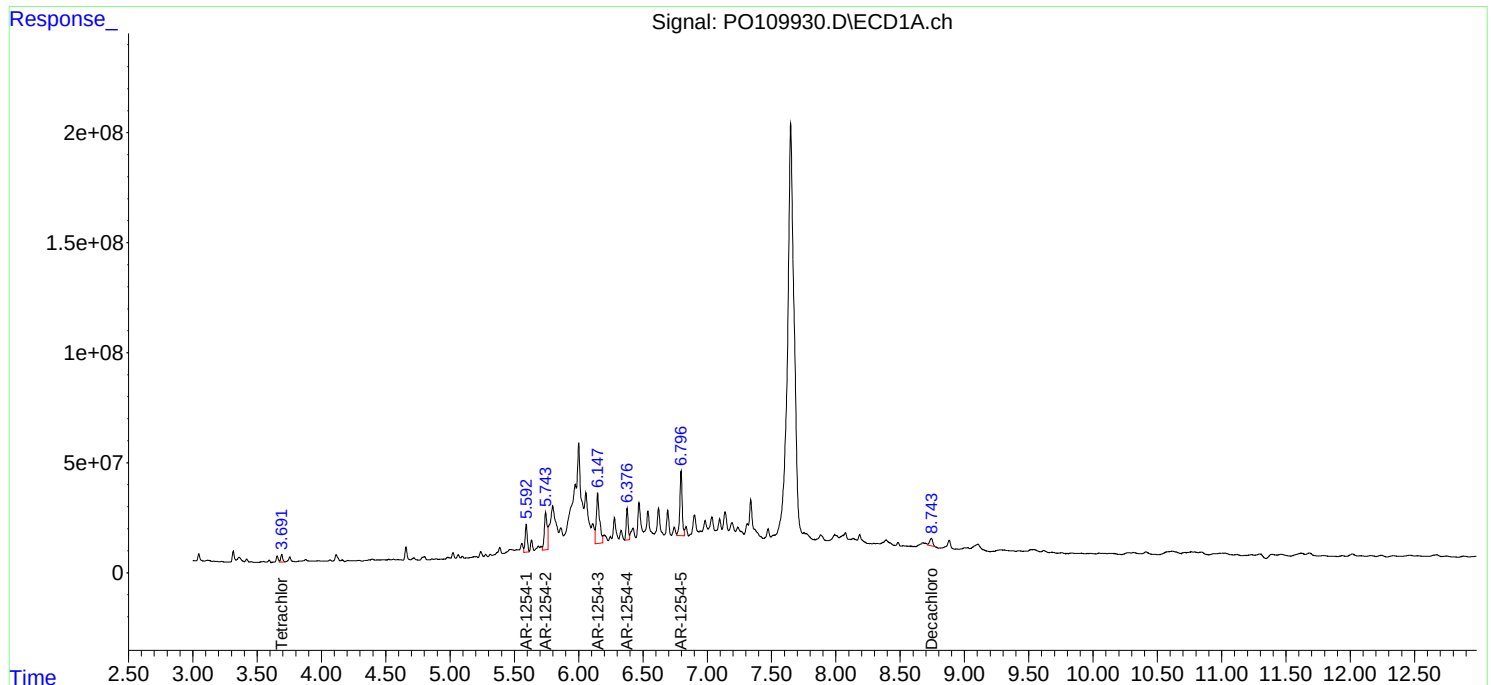
APPROVED

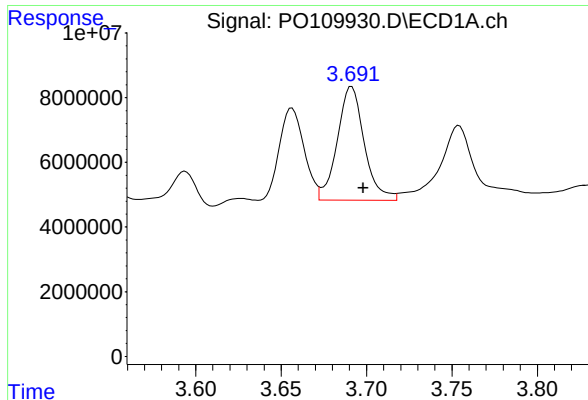
Reviewed By :Yogesh Patel 03/18/2025

Supervised By :mohammad ahmed 03/19/2025

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Mar 18 01:31:58 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_O\methods\PO022025.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Fri Feb 21 04:40:23 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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





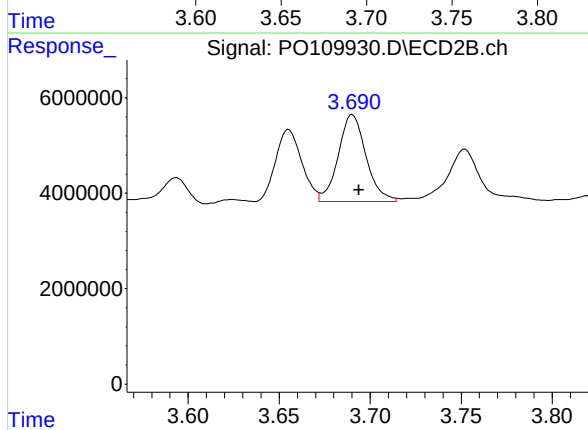
## #1 Tetrachloro-m-xylene

R.T.: 3.691 min  
Delta R.T.: -0.007 min  
Response: 38517181  
Conc: 4.07 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
WC1DL

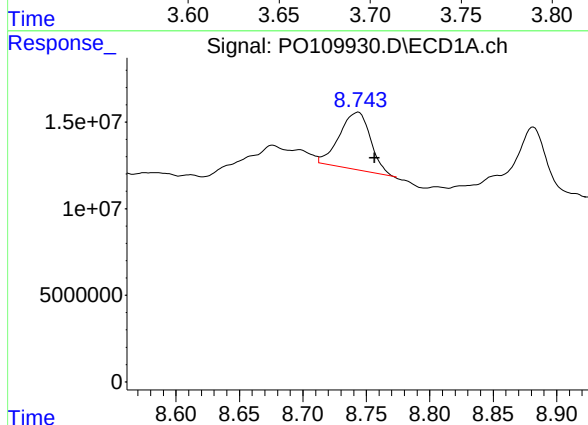
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 03/18/2025  
Supervised By :mohammad ahmed 03/19/2025



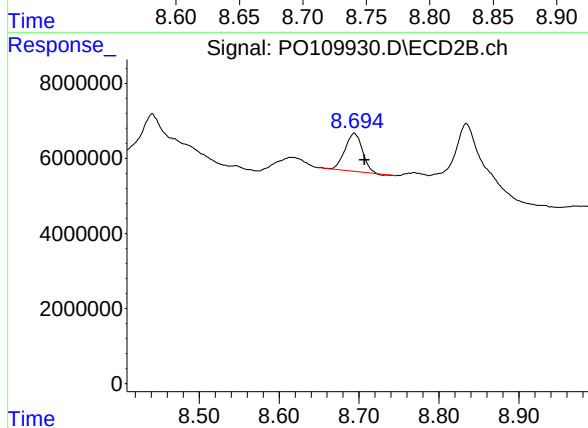
## #1 Tetrachloro-m-xylene

R.T.: 3.690 min  
Delta R.T.: -0.004 min  
Response: 19398431  
Conc: 3.71 ng/ml m



## #2 Decachlorobiphenyl

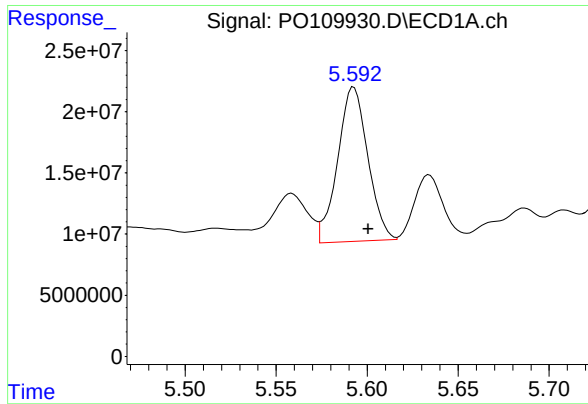
R.T.: 8.743 min  
Delta R.T.: -0.014 min  
Response: 56138249  
Conc: 6.53 ng/ml m



## #2 Decachlorobiphenyl

R.T.: 8.694 min  
Delta R.T.: -0.013 min  
Response: 15115079  
Conc: 4.75 ng/ml





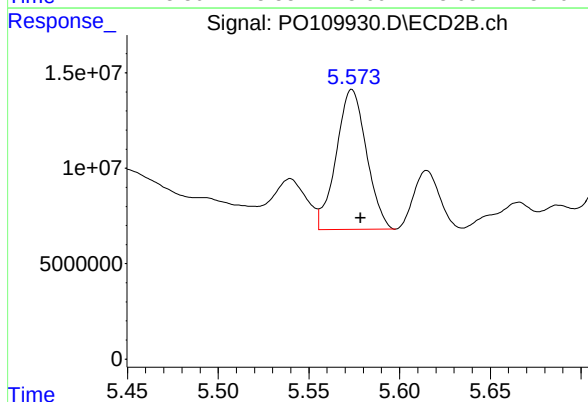
#26 AR-1254-1

R.T.: 5.593 min  
Delta R.T.: -0.008 min  
Response: 145715232  
Conc: 282.61 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
WC1DL

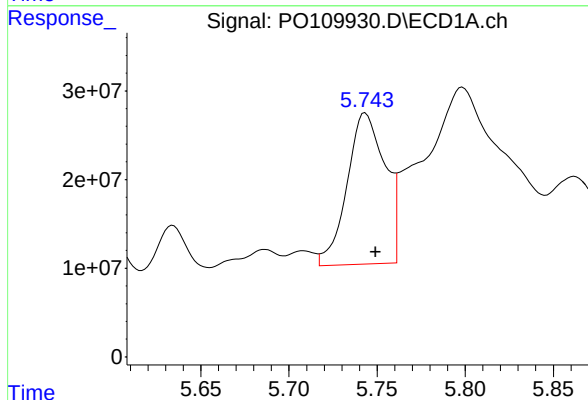
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 03/18/2025  
Supervised By :mohammad ahmed 03/19/2025



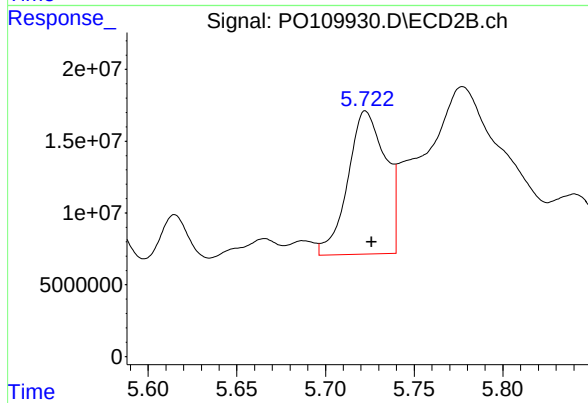
#26 AR-1254-1

R.T.: 5.574 min  
Delta R.T.: -0.005 min  
Response: 85137355  
Conc: 325.53 ng/ml



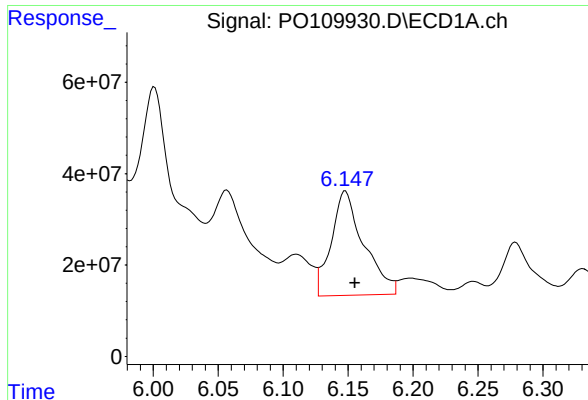
#27 AR-1254-2

R.T.: 5.743 min  
Delta R.T.: -0.006 min  
Response: 255057892  
Conc: 566.32 ng/ml



#27 AR-1254-2

R.T.: 5.723 min  
Delta R.T.: -0.003 min  
Response: 147290675  
Conc: 627.94 ng/ml



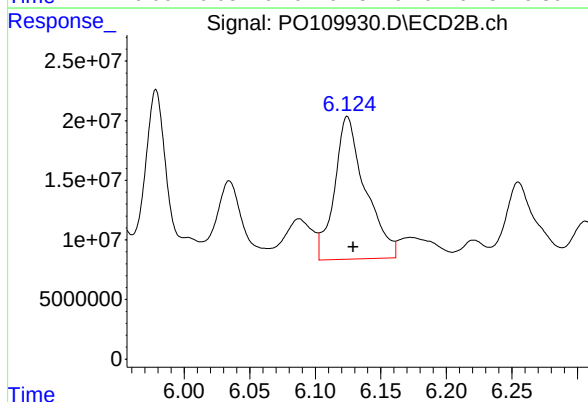
#28 AR-1254-3

R.T.: 6.148 min  
Delta R.T.: -0.007 min  
Response: 398304349  
Conc: 556.33 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
WC1DL

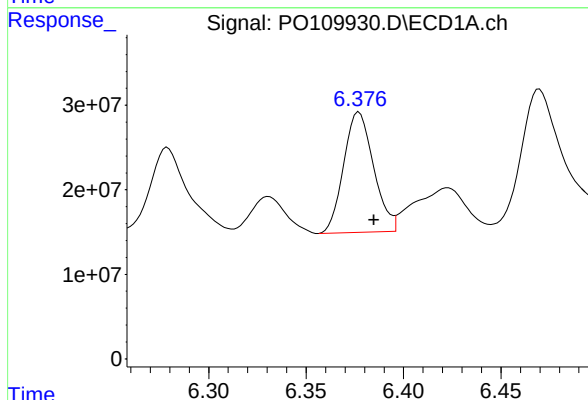
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 03/18/2025  
Supervised By :mohammad ahmed 03/19/2025



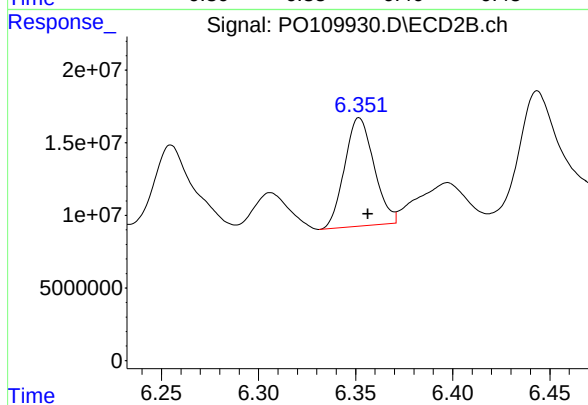
#28 AR-1254-3

R.T.: 6.124 min  
Delta R.T.: -0.004 min  
Response: 195825658  
Conc: 548.99 ng/ml



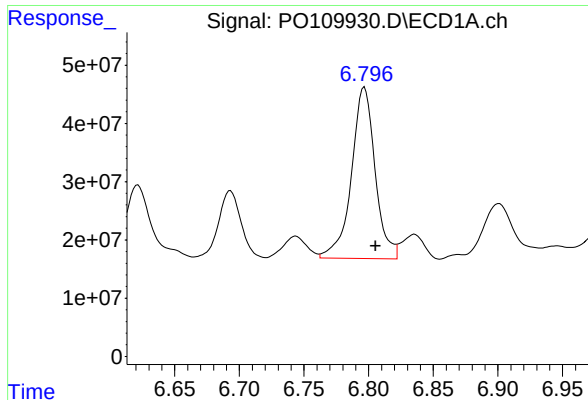
#29 AR-1254-4

R.T.: 6.377 min  
Delta R.T.: -0.008 min  
Response: 152166046  
Conc: 363.35 ng/ml



#29 AR-1254-4

R.T.: 6.352 min  
Delta R.T.: -0.004 min  
Response: 78620421  
Conc: 407.10 ng/ml



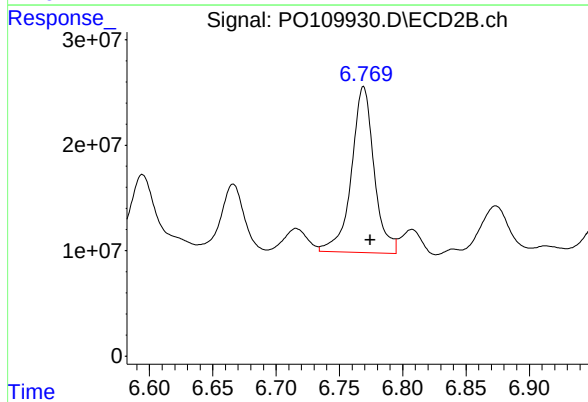
#30 AR-1254-5

R.T.: 6.797 min  
Delta R.T.: -0.009 min  
Response: 375544516  
Conc: 601.93 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
WC1DL

Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 03/18/2025  
Supervised By :mohammad ahmed 03/19/2025



#30 AR-1254-5

R.T.: 6.769 min  
Delta R.T.: -0.005 min  
Response: 196480360  
Conc: 662.15 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_P\Data\PP031425\  
 Data File : PP070548.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 14 Mar 2025 22:36  
 Operator : YP\AJ  
 Sample : PB167143BL  
 Misc :  
 ALS Vial : 35 Sample Multiplier: 1

Instrument :  
 ECD\_P  
 ClientSampleId :  
 PB167143BL

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: Mar 15 01:59:01 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_P\methods\PP031125.M  
 Quant Title : GC EXTRACTABLES  
 QLast Update : Wed Mar 12 02:42:43 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

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

| Compound                    | RT#1   | RT#2  | Resp#1   | Resp#2   | ng/ml  | ng/ml  |
|-----------------------------|--------|-------|----------|----------|--------|--------|
| -----                       |        |       |          |          |        |        |
| System Monitoring Compounds |        |       |          |          |        |        |
| 1) SA Tetrachlo...          | 4.523  | 3.826 | 31678309 | 21499894 | 20.367 | 21.451 |
| 2) SA Decachlor...          | 10.241 | 8.871 | 22520411 | 20574512 | 21.199 | 21.030 |

Target Compounds

-----

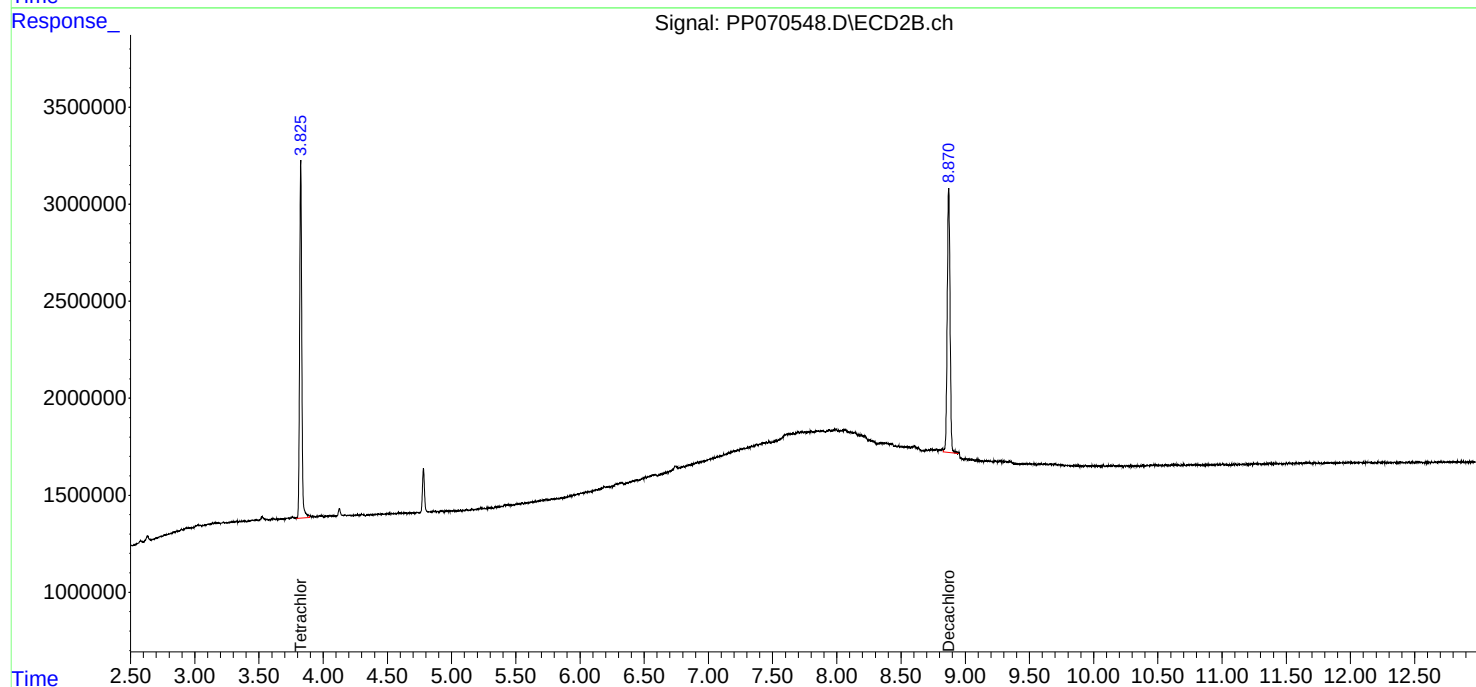
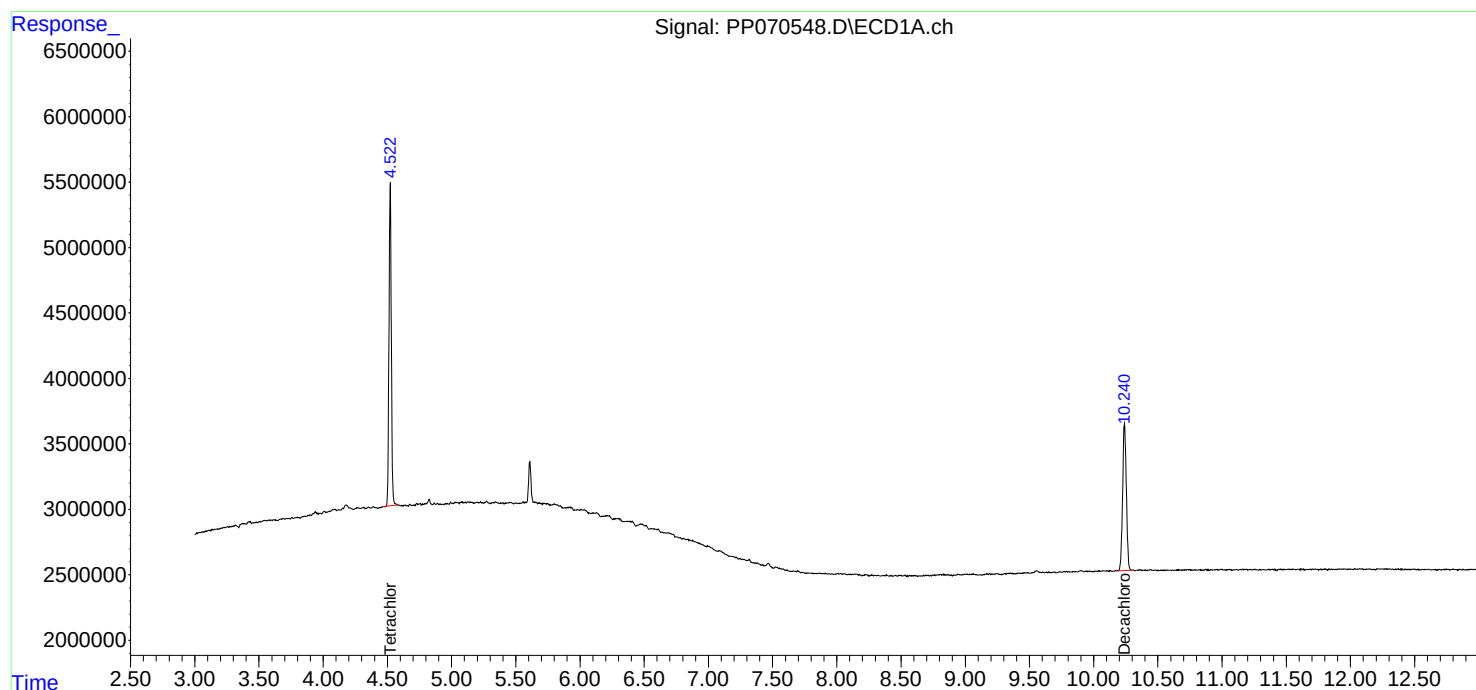
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

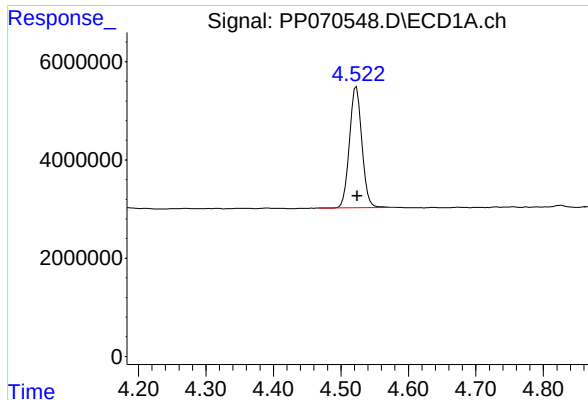
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_P\Data\PP031425\  
Data File : PP070548.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 14 Mar 2025 22:36  
Operator : YP\AJ  
Sample : PB167143BL  
Misc :  
ALS Vial : 35 Sample Multiplier: 1

Instrument :  
ECD\_P  
ClientSampleId :  
PB167143BL

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Mar 15 01:59:01 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_P\methods\PP031125.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Wed Mar 12 02:42:43 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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

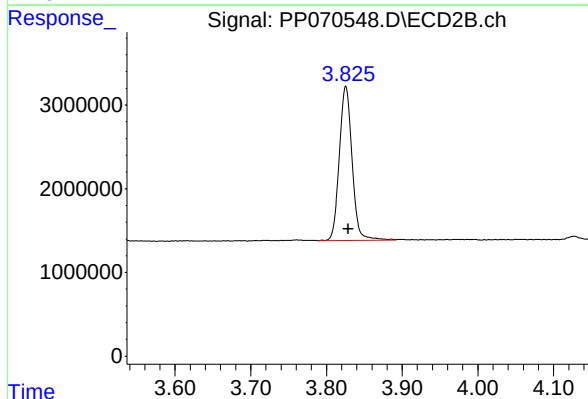




## #1 Tetrachloro-m-xylene

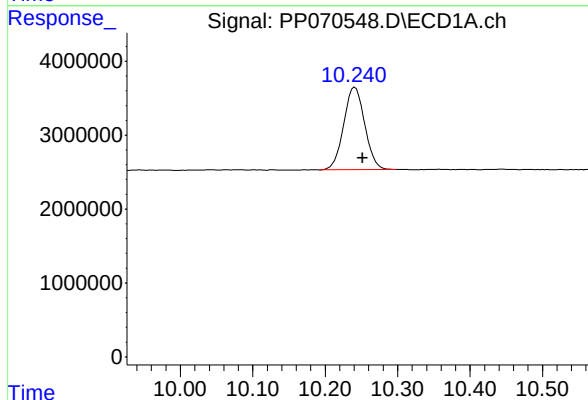
R.T.: 4.523 min  
Delta R.T.: 0.000 min  
Response: 31678309  
Conc: 20.37 ng/ml

Instrument :  
ECD\_P  
ClientSampleId :  
PB167143BL



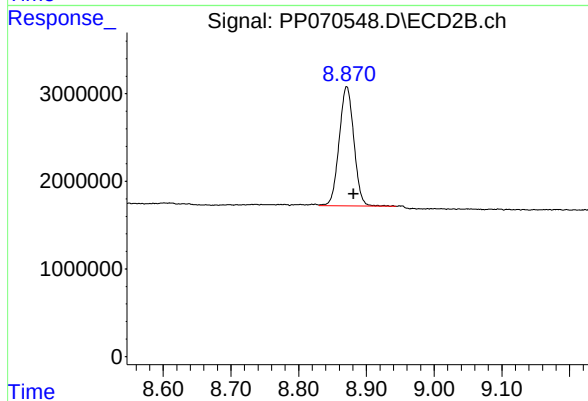
## #1 Tetrachloro-m-xylene

R.T.: 3.826 min  
Delta R.T.: -0.003 min  
Response: 21499894  
Conc: 21.45 ng/ml



## #2 Decachlorobiphenyl

R.T.: 10.241 min  
Delta R.T.: -0.011 min  
Response: 22520411  
Conc: 21.20 ng/ml



## #2 Decachlorobiphenyl

R.T.: 8.871 min  
Delta R.T.: -0.010 min  
Response: 20574512  
Conc: 21.03 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_P\Data\PP031425\  
 Data File : PP070549.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 14 Mar 2025 22:52  
 Operator : YP\AJ  
 Sample : PB167143BS  
 Misc :  
 ALS Vial : 36 Sample Multiplier: 1

## Instrument :

ECD\_P

## ClientSampleId :

PB167143BS

## Manual Integrations

## APPROVED

Reviewed By :Yogesh Patel 03/17/2025

Supervised By :mohammad ahmed 03/19/2025

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Mar 15 01:59:21 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_P\methods\PP031125.M  
 Quant Title : GC EXTRACTABLES  
 QLast Update : Wed Mar 12 02:42:43 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

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

| Compound                    | RT#1   | RT#2  | Resp#1   | Resp#2   | ng/ml    | ng/ml   |
|-----------------------------|--------|-------|----------|----------|----------|---------|
| -----                       |        |       |          |          |          |         |
| System Monitoring Compounds |        |       |          |          |          |         |
| 1) SA Tetrachlo...          | 4.524  | 3.827 | 33205418 | 21721756 | 21.349   | 21.672  |
| 2) SA Decachlor...          | 10.242 | 8.872 | 23113123 | 19533518 | 21.757   | 19.966  |
|                             |        |       |          |          |          |         |
| Target Compounds            |        |       |          |          |          |         |
| 3) L1 AR-1016-1             | 5.675  | 4.913 | 22655811 | 16838908 | 436.939  | 468.365 |
| 4) L1 AR-1016-2             | 5.697  | 4.932 | 33659019 | 23292035 | 470.461  | 448.211 |
| 5) L1 AR-1016-3             | 5.759  | 5.109 | 20019488 | 13110139 | 439.622  | 460.758 |
| 6) L1 AR-1016-4             | 5.856  | 5.150 | 16488008 | 10187202 | 422.360  | 454.991 |
| 7) L1 AR-1016-5             | 6.149  | 5.366 | 14814899 | 13366592 | 427.904  | 449.768 |
| 31) L7 AR-1260-1            | 7.268  | 6.402 | 28474787 | 23132691 | 484.775  | 464.658 |
| 32) L7 AR-1260-2            | 7.522  | 6.590 | 38514455 | 30113094 | 469.442  | 455.655 |
| 33) L7 AR-1260-3            | 7.880  | 6.743 | 26305571 | 26221520 | 400.038  | 458.439 |
| 34) L7 AR-1260-4            | 8.102  | 7.215 | 27028438 | 19782442 | 413.641m | 386.651 |
| 35) L7 AR-1260-5            | 8.424  | 7.456 | 56522478 | 50192203 | 413.546  | 389.736 |
| -----                       |        |       |          |          |          |         |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_P\Data\PP031425\  
Data File : PP070549.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 14 Mar 2025 22:52  
Operator : YP\AJ  
Sample : PB167143BS  
Misc :  
ALS Vial : 36 Sample Multiplier: 1

## Instrument :

ECD\_P

## ClientSampleId :

PB167143BS

## Manual Integrations

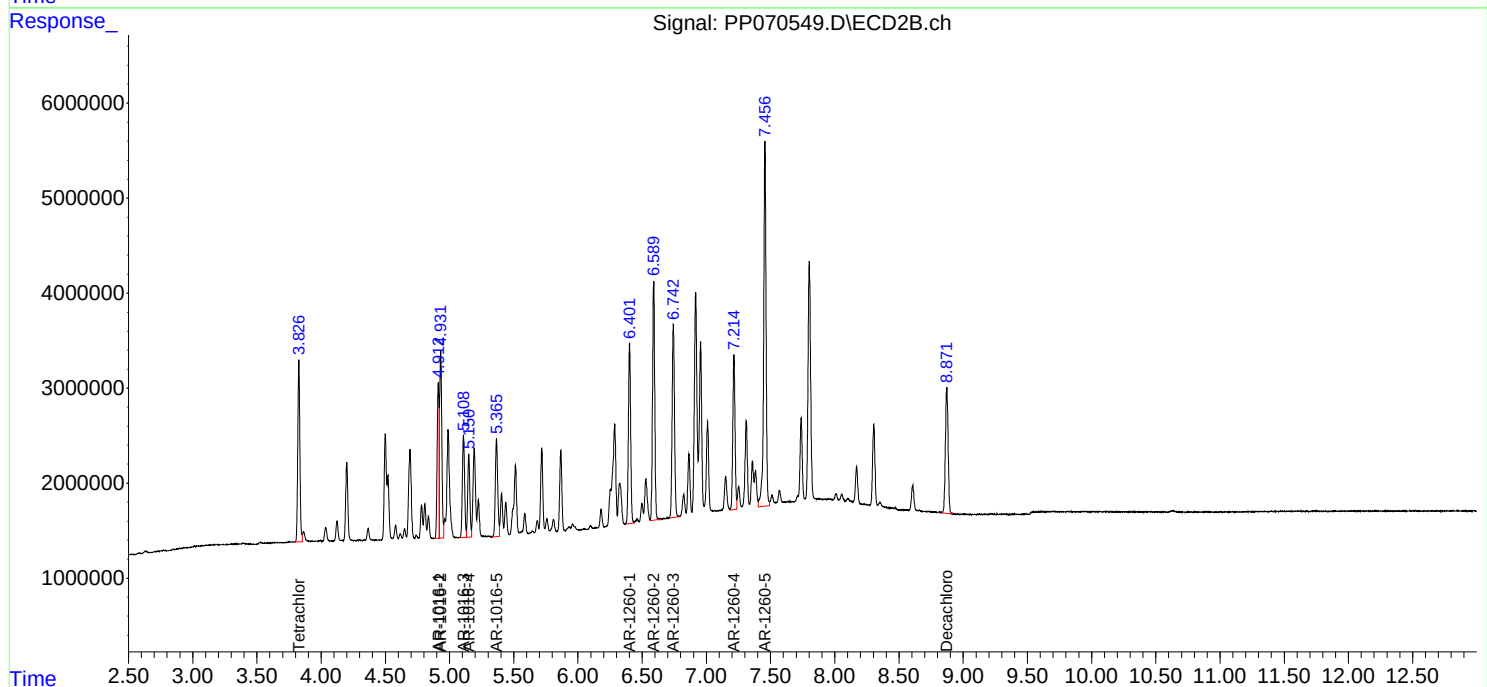
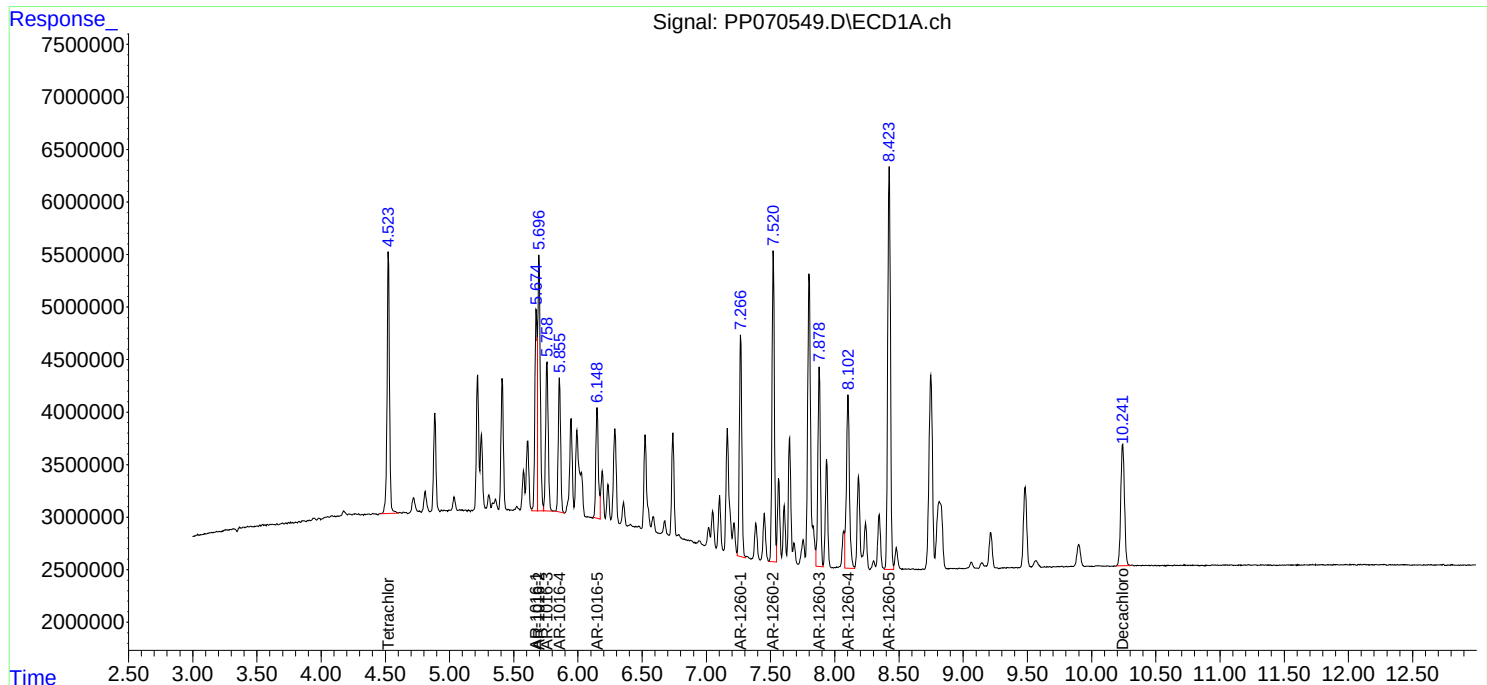
APPROVED

Reviewed By :Yogesh Patel 03/17/2025

Supervised By :mohammad ahmed 03/19/2025

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Mar 15 01:59:21 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_P\methods\PP031125.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Wed Mar 12 02:42:43 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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





Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_P\Data\PP031425\  
 Data File : PP070564.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 15 Mar 2025 03:29  
 Operator : YP\AJ  
 Sample : Q1572-06MS  
 Misc :  
 ALS Vial : 46 Sample Multiplier: 1

## Instrument :

ECD\_P

ClientSampleId :

C0018MS

## Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 03/17/2025

Supervised By :mohammad ahmed 03/19/2025

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Mar 15 04:29:43 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_P\methods\PP031125.M  
 Quant Title : GC EXTRACTABLES  
 QLast Update : Wed Mar 12 02:42:43 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

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

| Compound                    | RT#1   | RT#2  | Resp#1   | Resp#2   | ng/ml      | ng/ml       |
|-----------------------------|--------|-------|----------|----------|------------|-------------|
| -----                       |        |       |          |          |            |             |
| System Monitoring Compounds |        |       |          |          |            |             |
| 1) SA Tetrachlo...          | 4.523  | 3.826 | 31492424 | 19015081 | 20.247     | 18.972      |
| 2) SA Decachlor...          | 10.241 | 8.872 | 23103528 | 33309847 | 21.748m    | 34.047m#    |
| Target Compounds            |        |       |          |          |            |             |
| 3) L1 AR-1016-1             | 5.675  | 4.913 | 1545.8E6 | 1027.1E6 | 29811.971  | 28568.783   |
| 4) L1 AR-1016-2             | 5.697  | 4.932 | 2869.3E6 | 1817.2E6 | 40104.719  | 34967.922   |
| 5) L1 AR-1016-3             | 5.762  | 5.109 | 286.7E6  | 860.8E6  | 6295.985   | 30253.551 # |
| 6) L1 AR-1016-4             | 5.855  | 5.150 | 1261.6E6 | 998.4E6  | 32317.971  | 44590.873 # |
| 7) L1 AR-1016-5             | 6.147  | 5.365 | 1967.9E6 | 1421.1E6 | 56839.757m | 47818.941   |
| 21) L5 AR-1248-1            | 5.675  | 4.913 | 1545.8E6 | 1027.1E6 | 45256.716  | 43752.792   |
| 22) L5 AR-1248-2            | 5.946  | 5.150 | 1587.1E6 | 998.4E6  | 37389.363  | 31893.782   |
| 23) L5 AR-1248-3            | 6.147  | 5.192 | 1971.4E6 | 1118.7E6 | 42719.007m | 35266.768   |
| 24) L5 AR-1248-4            | 6.547  | 5.365 | 2211.6E6 | 1421.1E6 | 38136.398  | 36464.194   |
| 25) L5 AR-1248-5            | 6.586  | 5.759 | 2198.5E6 | 1430.4E6 | 40950.306  | 37557.199   |
| 31) L7 AR-1260-1            | 7.268  | 6.413 | 197.7E6  | 373.7E6  | 3366.027   | 7505.712m#  |
| 32) L7 AR-1260-2            | 7.520  | 6.589 | 343.1E6  | 135.4E6  | 4181.896   | 2048.218 #  |
| 33) L7 AR-1260-3            | 7.878  | 6.742 | 140.0E6  | 149.3E6  | 2129.150   | 2610.828    |
| 34) L7 AR-1260-4            | 8.099  | 7.215 | 174.2E6  | 76097429 | 2666.075   | 1487.338 #  |
| 35) L7 AR-1260-5            | 8.424  | 7.455 | 232.7E6  | 221.6E6  | 1702.840   | 1720.632    |
| -----                       |        |       |          |          |            |             |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_P\Data\PP031425\  
Data File : PP070564.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 15 Mar 2025 03:29  
Operator : YP\AJ  
Sample : Q1572-06MS  
Misc :  
ALS Vial : 46 Sample Multiplier: 1

## Instrument :

ECD\_P

## ClientSampleId :

C0018MS

## Manual Integrations

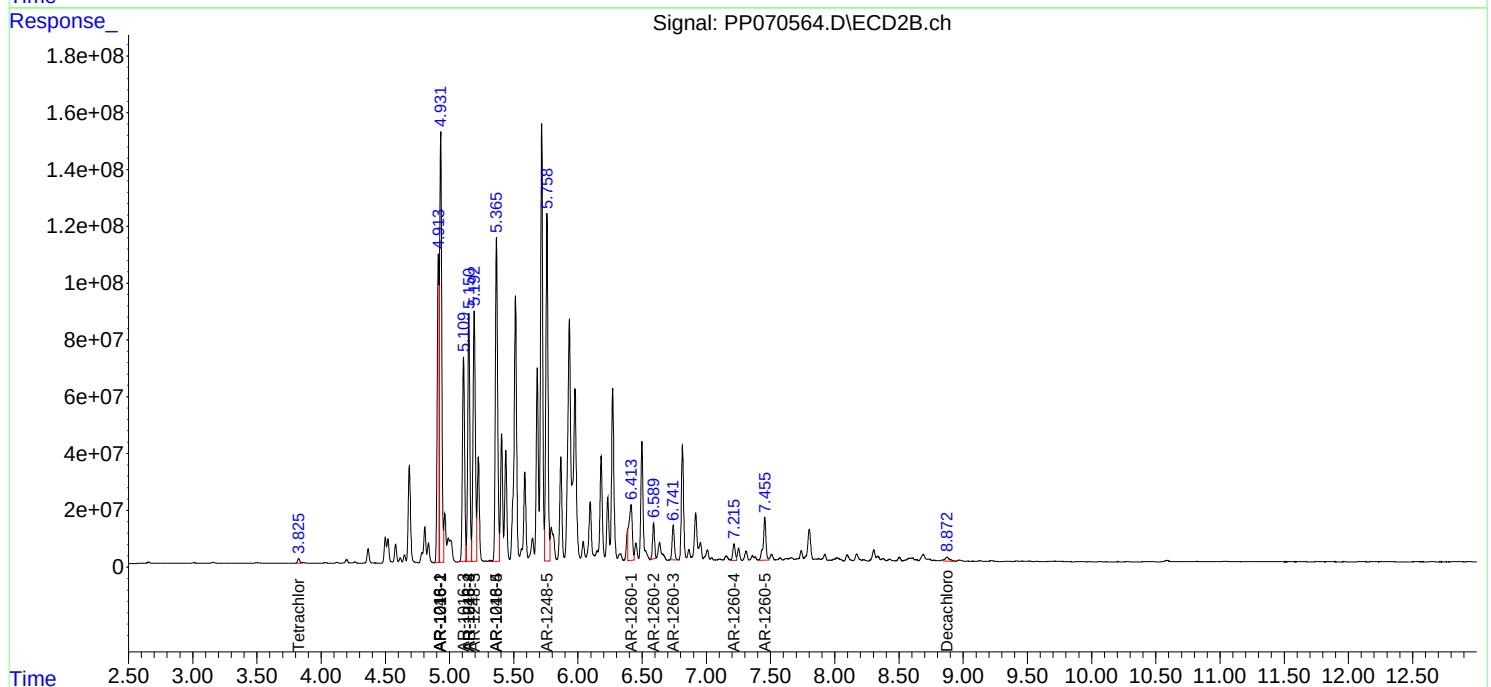
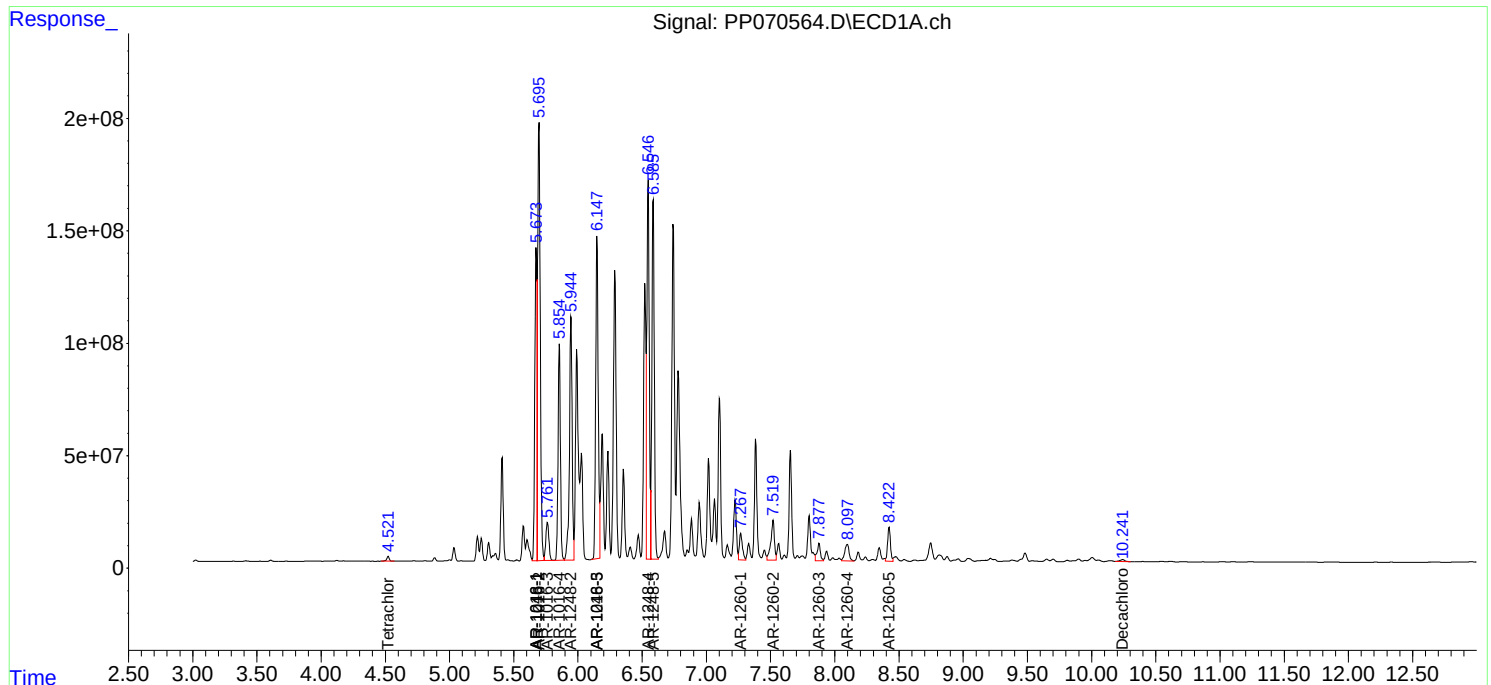
APPROVED

Reviewed By :Yogesh Patel 03/17/2025

Supervised By :mohammad ahmed 03/19/2025

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Mar 15 04:29:43 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_P\methods\PP031125.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Wed Mar 12 02:42:43 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_P\Data\PP031425\  
 Data File : PP070565.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 15 Mar 2025 03:45  
 Operator : YP\AJ  
 Sample : Q1572-06MSD  
 Misc :  
 ALS Vial : 47 Sample Multiplier: 1

## Instrument :

ECD\_P

ClientSampleId :

C0018MSD

## Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 03/17/2025

Supervised By :mohammad ahmed 03/19/2025

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Mar 15 04:30:02 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_P\methods\PP031125.M  
 Quant Title : GC EXTRACTABLES  
 QLast Update : Wed Mar 12 02:42:43 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

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

| Compound                    | RT#1   | RT#2  | Resp#1   | Resp#2   | ng/ml   | ng/ml    |
|-----------------------------|--------|-------|----------|----------|---------|----------|
| -----                       |        |       |          |          |         |          |
| System Monitoring Compounds |        |       |          |          |         |          |
| 1) SA Tetrachlo...          | 4.523  | 3.825 | 32368170 | 19674300 | 20.810  | 19.630   |
| 2) SA Decachlor...          | 10.240 | 8.872 | 23727783 | 32481015 | 22.335m | 33.199m# |

|                  |       |       |          |          |            |             |
|------------------|-------|-------|----------|----------|------------|-------------|
| Target Compounds |       |       |          |          |            |             |
| 3) L1 AR-1016-1  | 5.675 | 4.913 | 1606.9E6 | 1075.9E6 | 30991.180  | 29925.656   |
| 4) L1 AR-1016-2  | 5.696 | 4.931 | 3025.4E6 | 1925.6E6 | 42287.416  | 37053.656   |
| 5) L1 AR-1016-3  | 5.763 | 5.109 | 302.8E6  | 923.3E6  | 6649.684   | 32447.986 # |
| 6) L1 AR-1016-4  | 5.856 | 5.150 | 1331.5E6 | 1052.2E6 | 34107.498  | 46995.572 # |
| 7) L1 AR-1016-5  | 6.147 | 5.365 | 2056.4E6 | 1493.0E6 | 59397.064m | 50236.412   |
| 21) L5 AR-1248-1 | 5.675 | 4.913 | 1606.9E6 | 1075.9E6 | 47046.839  | 45830.829   |
| 22) L5 AR-1248-2 | 5.946 | 5.150 | 1650.8E6 | 1052.2E6 | 38891.475  | 33613.751   |
| 23) L5 AR-1248-3 | 6.147 | 5.192 | 2074.5E6 | 1177.9E6 | 44952.045m | 37132.696   |
| 24) L5 AR-1248-4 | 6.548 | 5.365 | 2306.8E6 | 1493.0E6 | 39778.459  | 38307.629   |
| 25) L5 AR-1248-5 | 6.586 | 5.758 | 2276.2E6 | 1486.0E6 | 42397.765  | 39015.752   |
| 31) L7 AR-1260-1 | 7.268 | 6.413 | 204.8E6  | 389.8E6  | 3486.616   | 7830.580m#  |
| 32) L7 AR-1260-2 | 7.519 | 6.588 | 361.0E6  | 140.9E6  | 4400.150   | 2132.689 #  |
| 33) L7 AR-1260-3 | 7.878 | 6.741 | 145.0E6  | 156.1E6  | 2204.937   | 2728.284    |
| 34) L7 AR-1260-4 | 8.098 | 7.214 | 179.0E6  | 78496874 | 2739.580   | 1534.235 #  |
| 35) L7 AR-1260-5 | 8.424 | 7.455 | 237.6E6  | 226.0E6  | 1738.478   | 1755.208    |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_P\Data\PP031425\  
Data File : PP070565.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 15 Mar 2025 03:45  
Operator : YP\AJ  
Sample : Q1572-06MSD  
Misc :  
ALS Vial : 47 Sample Multiplier: 1

## Instrument :

ECD\_P

## ClientSampleId :

C0018MSD

## Manual Integrations

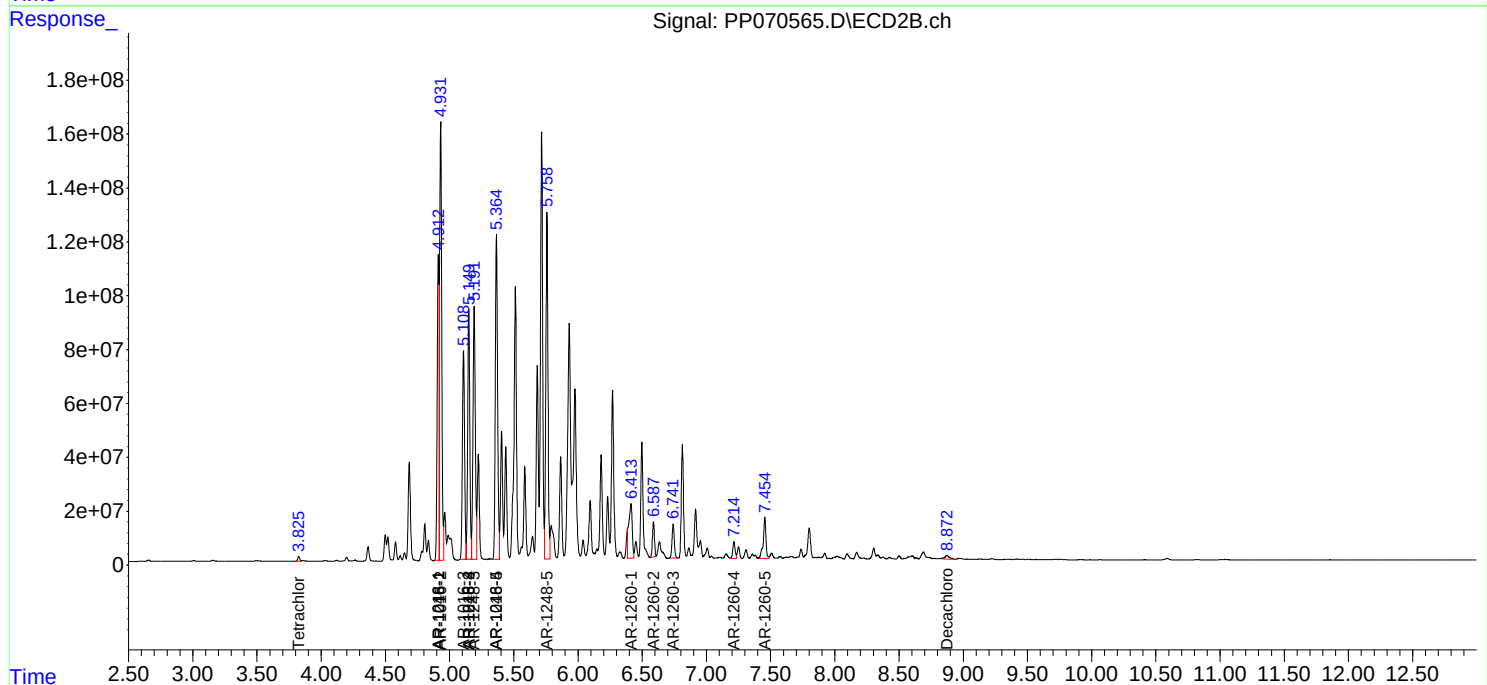
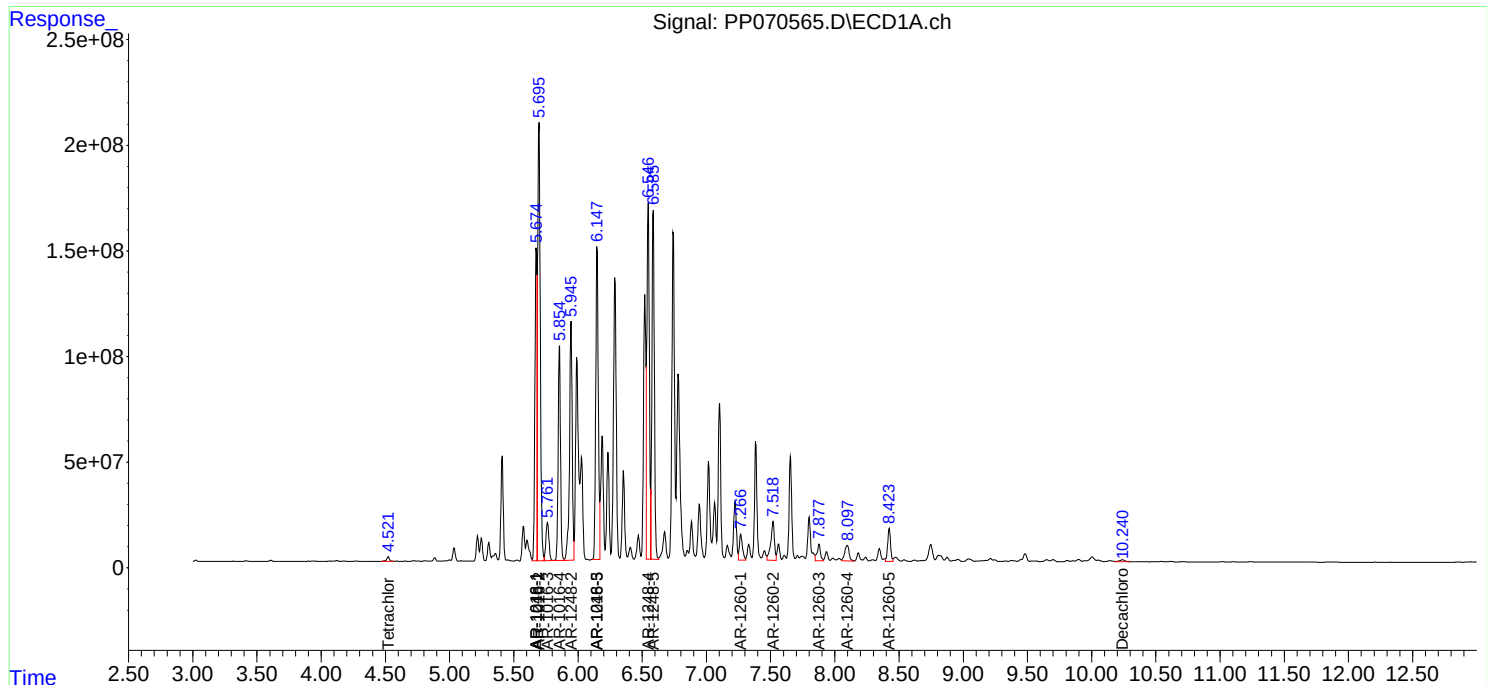
APPROVED

Reviewed By :Yogesh Patel 03/17/2025

Supervised By :mohammad ahmed 03/19/2025

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Mar 15 04:30:02 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_P\methods\PP031125.M  
Quant Title : GC EXTRACTABLES  
QLast Update : Wed Mar 12 02:42:43 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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



## Manual Integration Report

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

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

## Manual Integration Report

Sequence:

PO022025

Instrument

ECD\_o

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

## Manual Integration Report

|           |          |            |       |
|-----------|----------|------------|-------|
| Sequence: | PO031725 | Instrument | ECD_o |
|-----------|----------|------------|-------|

| Sample ID    | File ID    | Parameter               | Review By | Review On            | Supervised By | Supervised On     | Reason                      |
|--------------|------------|-------------------------|-----------|----------------------|---------------|-------------------|-----------------------------|
| Q1574-01     | PO109929.D | Decachlorobiphenyl      | yogesh    | 3/18/2025 7:42:53 AM | mohammad      | 3/19/2025 6:43:23 | Peak Integrated by Software |
| Q1574-01     | PO109929.D | Decachlorobiphenyl #2   | yogesh    | 3/18/2025 7:42:53 AM | mohammad      | 3/19/2025 6:43:23 | Peak Integrated by Software |
| Q1574-01     | PO109929.D | Tetrachloro-m-xylene    | yogesh    | 3/18/2025 7:42:53 AM | mohammad      | 3/19/2025 6:43:23 | Peak Integrated by Software |
| Q1574-01     | PO109929.D | Tetrachloro-m-xylene #2 | yogesh    | 3/18/2025 7:42:53 AM | mohammad      | 3/19/2025 6:43:23 | Peak Integrated by Software |
| Q1574-01DL   | PO109930.D | Decachlorobiphenyl      | yogesh    | 3/18/2025 7:42:55 AM | mohammad      | 3/19/2025 6:43:27 | Peak Integrated by Software |
| Q1574-01DL   | PO109930.D | Tetrachloro-m-xylene    | yogesh    | 3/18/2025 7:42:55 AM | mohammad      | 3/19/2025 6:43:27 | Peak Integrated by Software |
| Q1574-01DL   | PO109930.D | Tetrachloro-m-xylene #2 | yogesh    | 3/18/2025 7:42:55 AM | mohammad      | 3/19/2025 6:43:27 | Peak Integrated by Software |
| AR1254CCC500 | PO109953.D | AR-1254-1               | yogesh    | 3/18/2025 7:43:10 AM | mohammad      | 3/19/2025 6:43:54 | Peak Integrated by Software |
| AR1254CCC500 | PO109953.D | AR-1254-1 #2            | yogesh    | 3/18/2025 7:43:10 AM | mohammad      | 3/19/2025 6:43:54 | Peak Integrated by Software |
| AR1254CCC500 | PO109953.D | AR-1254-2               | yogesh    | 3/18/2025 7:43:10 AM | mohammad      | 3/19/2025 6:43:54 | Peak Integrated by Software |
| AR1254CCC500 | PO109953.D | AR-1254-2 #2            | yogesh    | 3/18/2025 7:43:10 AM | mohammad      | 3/19/2025 6:43:54 | Peak Integrated by Software |
| AR1254CCC500 | PO109960.D | AR-1254-1               | yogesh    | 3/18/2025 7:43:16 AM | mohammad      | 3/19/2025 6:44:04 | Peak Integrated by Software |
| AR1254CCC500 | PO109960.D | AR-1254-1 #2            | yogesh    | 3/18/2025 7:43:16 AM | mohammad      | 3/19/2025 6:44:04 | Peak Integrated by Software |

## Manual Integration Report

Sequence:

PO031725

Instrument

ECD\_o

| Sample ID    | File ID    | Parameter               | Review By | Review On            | Supervised By | Supervised On     | Reason                      |
|--------------|------------|-------------------------|-----------|----------------------|---------------|-------------------|-----------------------------|
| AR1254CCC500 | PO109960.D | AR-1254-2               | yogesh    | 3/18/2025 7:43:16 AM | mohammad      | 3/19/2025 6:44:04 | Peak Integrated by Software |
| AR1254CCC500 | PO109960.D | AR-1254-2 #2            | yogesh    | 3/18/2025 7:43:16 AM | mohammad      | 3/19/2025 6:44:04 | Peak Integrated by Software |
| AR1254CCC500 | PO109960.D | Tetrachloro-m-xylene #2 | yogesh    | 3/18/2025 7:43:16 AM | mohammad      | 3/19/2025 6:44:04 | Peak Integrated by Software |



## Manual Integration Report

|           |          |            |       |
|-----------|----------|------------|-------|
| Sequence: | pp031125 | Instrument | ECD_p |
|-----------|----------|------------|-------|

| Sample ID    | File ID    | Parameter             | Review By | Review On            | Supervised By | Supervised On      | Reason                      |
|--------------|------------|-----------------------|-----------|----------------------|---------------|--------------------|-----------------------------|
| AR1660ICC250 | PP070422.D | Decachlorobiphenyl #2 | yogesh    | 3/12/2025 7:57:06 AM | Ankita        | 3/12/2025 10:45:04 | Peak Integrated by Software |
| AR1660ICC050 | PP070423.D | AR-1016-1             | yogesh    | 3/12/2025 7:57:07 AM | Ankita        | 3/12/2025 10:45:06 | Peak Integrated by Software |
| AR1660ICC050 | PP070423.D | AR-1016-2             | yogesh    | 3/12/2025 7:57:07 AM | Ankita        | 3/12/2025 10:45:06 | Peak Integrated by Software |
| AR1660ICC050 | PP070423.D | AR-1016-3             | yogesh    | 3/12/2025 7:57:07 AM | Ankita        | 3/12/2025 10:45:06 | Peak Integrated by Software |
| AR1660ICC050 | PP070423.D | AR-1016-4             | yogesh    | 3/12/2025 7:57:07 AM | Ankita        | 3/12/2025 10:45:06 | Peak Integrated by Software |
| AR1660ICC050 | PP070423.D | AR-1260-4 #2          | yogesh    | 3/12/2025 7:57:07 AM | Ankita        | 3/12/2025 10:45:06 | Peak Integrated by Software |
| AR1660ICC050 | PP070423.D | AR-1260-5 #2          | yogesh    | 3/12/2025 7:57:07 AM | Ankita        | 3/12/2025 10:45:06 | Peak Integrated by Software |
| AR1232ICC250 | PP070428.D | AR-1232-5             | yogesh    | 3/12/2025 7:57:09 AM | Ankita        | 3/12/2025 10:45:07 | Peak Integrated by Software |
| AR1232ICC050 | PP070429.D | AR-1232-1 #2          | yogesh    | 3/19/2025 6:21:09 AM | mohammad      | 3/19/2025 6:54:14  | Peak Integrated by Software |
| AR1232ICC050 | PP070429.D | AR-1232-2             | yogesh    | 3/19/2025 6:21:09 AM | mohammad      | 3/19/2025 6:54:14  | Peak Integrated by Software |
| AR1232ICC050 | PP070429.D | AR-1232-2 #2          | yogesh    | 3/19/2025 6:21:09 AM | mohammad      | 3/19/2025 6:54:14  | Peak Integrated by Software |
| AR1232ICC050 | PP070429.D | AR-1232-3             | yogesh    | 3/19/2025 6:21:09 AM | mohammad      | 3/19/2025 6:54:14  | Peak Integrated by Software |
| AR1232ICC050 | PP070429.D | AR-1232-4             | yogesh    | 3/19/2025 6:21:09 AM | mohammad      | 3/19/2025 6:54:14  | Peak Integrated by Software |

## Manual Integration Report

|           |          |            |       |
|-----------|----------|------------|-------|
| Sequence: | pp031125 | Instrument | ECD_p |
|-----------|----------|------------|-------|

| Sample ID    | File ID    | Parameter    | Review By | Review On            | Supervised By | Supervised On      | Reason                      |
|--------------|------------|--------------|-----------|----------------------|---------------|--------------------|-----------------------------|
| AR1232ICC050 | PP070429.D | AR-1232-5    | yogesh    | 3/19/2025 6:21:09 AM | mohammad      | 3/19/2025 6:54:14  | Peak Integrated by Software |
| AR1232ICC050 | PP070429.D | AR-1232-5 #2 | yogesh    | 3/19/2025 6:21:09 AM | mohammad      | 3/19/2025 6:54:14  | Peak Integrated by Software |
| AR1242ICC050 | PP070434.D | AR-1242-1    | yogesh    | 3/12/2025 7:57:12 AM | Ankita        | 3/12/2025 10:45:18 | Peak Integrated by Software |
| AR1242ICC050 | PP070434.D | AR-1242-1 #2 | yogesh    | 3/12/2025 7:57:12 AM | Ankita        | 3/12/2025 10:45:18 | Peak Integrated by Software |
| AR1242ICC050 | PP070434.D | AR-1242-2    | yogesh    | 3/12/2025 7:57:12 AM | Ankita        | 3/12/2025 10:45:18 | Peak Integrated by Software |
| AR1242ICC050 | PP070434.D | AR-1242-2 #2 | yogesh    | 3/12/2025 7:57:12 AM | Ankita        | 3/12/2025 10:45:18 | Peak Integrated by Software |
| AR1242ICC050 | PP070434.D | AR-1242-3    | yogesh    | 3/12/2025 7:57:12 AM | Ankita        | 3/12/2025 10:45:18 | Peak Integrated by Software |
| AR1242ICC050 | PP070434.D | AR-1242-4    | yogesh    | 3/12/2025 7:57:12 AM | Ankita        | 3/12/2025 10:45:18 | Peak Integrated by Software |
| AR1248ICC050 | PP070439.D | AR-1248-1    | yogesh    | 3/12/2025 7:57:14 AM | Ankita        | 3/12/2025 10:45:19 | Peak Integrated by Software |
| AR1248ICC050 | PP070439.D | AR-1248-2    | yogesh    | 3/12/2025 7:57:14 AM | Ankita        | 3/12/2025 10:45:19 | Peak Integrated by Software |
| AR1268ICC050 | PP070450.D | AR-1268-1 #2 | yogesh    | 3/12/2025 7:57:15 AM | Ankita        | 3/12/2025 10:45:21 | Peak Integrated by Software |
| AR1268ICC050 | PP070450.D | AR-1268-2 #2 | yogesh    | 3/12/2025 7:57:15 AM | Ankita        | 3/12/2025 10:45:21 | Peak Integrated by Software |
| AR1268ICC050 | PP070450.D | AR-1268-3 #2 | yogesh    | 3/12/2025 7:57:15 AM | Ankita        | 3/12/2025 10:45:21 | Peak Integrated by Software |

## Manual Integration Report

Sequence:

pp031125

Instrument

ECD\_p

| Sample ID    | File ID    | Parameter    | Review By | Review On            | Supervised By | Supervised On      | Reason                      |
|--------------|------------|--------------|-----------|----------------------|---------------|--------------------|-----------------------------|
| AR1242CCC500 | PP070465.D | AR-1242-5    | yogesh    | 3/12/2025 7:57:17 AM | Ankita        | 3/12/2025 10:45:22 | Peak Integrated by Software |
| AR1242CCC500 | PP070465.D | AR-1242-5 #2 | yogesh    | 3/12/2025 7:57:17 AM | Ankita        | 3/12/2025 10:45:22 | Peak Integrated by Software |

## Manual Integration Report

|           |          |            |       |
|-----------|----------|------------|-------|
| Sequence: | PP031425 | Instrument | ECD_p |
|-----------|----------|------------|-------|

| Sample ID    | File ID    | Parameter             | Review By | Review On            | Supervised By | Supervised On     | Reason                      |
|--------------|------------|-----------------------|-----------|----------------------|---------------|-------------------|-----------------------------|
| AR1660CCC500 | PP070500.D | AR-1016-5 #2          | yogesh    | 3/17/2025 8:23:24 AM | mohammad      | 3/19/2025 6:36:42 | Peak Integrated by Software |
| AR1660CCC500 | PP070500.D | AR-1260-1             | yogesh    | 3/17/2025 8:23:24 AM | mohammad      | 3/19/2025 6:36:42 | Peak Integrated by Software |
| AR1660CCC500 | PP070500.D | AR-1260-2             | yogesh    | 3/17/2025 8:23:24 AM | mohammad      | 3/19/2025 6:36:42 | Peak Integrated by Software |
| AR1660CCC500 | PP070515.D | AR-1016-5 #2          | yogesh    | 3/17/2025 8:23:46 AM | mohammad      | 3/19/2025 6:37:16 | Peak Integrated by Software |
| AR1660CCC500 | PP070515.D | AR-1260-1             | yogesh    | 3/17/2025 8:23:46 AM | mohammad      | 3/19/2025 6:37:16 | Peak Integrated by Software |
| AR1242CCC500 | PP070544.D | Decachlorobiphenyl    | yogesh    | 3/17/2025 8:24:05 AM | mohammad      | 3/19/2025 6:37:57 | Peak Integrated by Software |
| PB167143BS   | PP070549.D | AR-1260-4             | yogesh    | 3/17/2025 8:24:07 AM | mohammad      | 3/19/2025 6:38:01 | Peak Integrated by Software |
| Q1572-06MS   | PP070564.D | AR-1016-5             | yogesh    | 3/17/2025 8:24:23 AM | mohammad      | 3/19/2025 6:38:38 | Peak Integrated by Software |
| Q1572-06MS   | PP070564.D | AR-1248-3             | yogesh    | 3/17/2025 8:24:23 AM | mohammad      | 3/19/2025 6:38:38 | Peak Integrated by Software |
| Q1572-06MS   | PP070564.D | AR-1260-1 #2          | yogesh    | 3/17/2025 8:24:23 AM | mohammad      | 3/19/2025 6:38:38 | Peak Integrated by Software |
| Q1572-06MS   | PP070564.D | Decachlorobiphenyl    | yogesh    | 3/17/2025 8:24:23 AM | mohammad      | 3/19/2025 6:38:38 | Peak Integrated by Software |
| Q1572-06MS   | PP070564.D | Decachlorobiphenyl #2 | yogesh    | 3/17/2025 8:24:23 AM | mohammad      | 3/19/2025 6:38:38 | Peak Integrated by Software |
| Q1572-06MSD  | PP070565.D | AR-1016-5             | yogesh    | 3/17/2025 8:24:24 AM | mohammad      | 3/19/2025 6:38:42 | Peak Integrated by Software |

## Manual Integration Report

|           |          |            |       |
|-----------|----------|------------|-------|
| Sequence: | PP031425 | Instrument | ECD_p |
|-----------|----------|------------|-------|

| Sample ID   | File ID    | Parameter             | Review By | Review On            | Supervised By | Supervised On     | Reason                      |
|-------------|------------|-----------------------|-----------|----------------------|---------------|-------------------|-----------------------------|
| Q1572-06MSD | PP070565.D | AR-1221-2             | yogesh    | 3/17/2025 8:24:24 AM | mohammad      | 3/19/2025 6:38:42 | Peak Integrated by Software |
| Q1572-06MSD | PP070565.D | AR-1248-3             | yogesh    | 3/17/2025 8:24:24 AM | mohammad      | 3/19/2025 6:38:42 | Peak Integrated by Software |
| Q1572-06MSD | PP070565.D | AR-1260-1 #2          | yogesh    | 3/17/2025 8:24:24 AM | mohammad      | 3/19/2025 6:38:42 | Peak Integrated by Software |
| Q1572-06MSD | PP070565.D | Decachlorobiphenyl    | yogesh    | 3/17/2025 8:24:24 AM | mohammad      | 3/19/2025 6:38:42 | Peak Integrated by Software |
| Q1572-06MSD | PP070565.D | Decachlorobiphenyl #2 | yogesh    | 3/17/2025 8:24:24 AM | mohammad      | 3/19/2025 6:38:42 | Peak Integrated by Software |

Instrument ID: ECD\_O

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

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

| Sr# | Sampleld      | Data File Name | Date-Time         | Operator | Status |
|-----|---------------|----------------|-------------------|----------|--------|
| 1   | HEXANE        | PO109424.D     | 20 Feb 2025 16:09 | YP/AJ    | Ok     |
| 2   | I.BLK         | PO109425.D     | 20 Feb 2025 16:28 | YP/AJ    | Ok     |
| 3   | AR1660ICC1000 | PO109426.D     | 20 Feb 2025 16:46 | YP/AJ    | Ok     |
| 4   | AR1660ICC750  | PO109427.D     | 20 Feb 2025 17:04 | YP/AJ    | Ok     |
| 5   | AR1660ICC500  | PO109428.D     | 20 Feb 2025 17:23 | YP/AJ    | Ok     |
| 6   | AR1660ICC250  | PO109429.D     | 20 Feb 2025 17:41 | YP/AJ    | Ok     |
| 7   | AR1660ICC050  | PO109430.D     | 20 Feb 2025 17:59 | YP/AJ    | Ok     |
| 8   | AR1221ICC500  | PO109431.D     | 20 Feb 2025 18:18 | YP/AJ    | Ok     |
| 9   | AR1232ICC500  | PO109432.D     | 20 Feb 2025 18:36 | YP/AJ    | Ok     |
| 10  | AR1242ICC1000 | PO109433.D     | 20 Feb 2025 18:55 | YP/AJ    | Ok     |
| 11  | AR1242ICC750  | PO109434.D     | 20 Feb 2025 19:13 | YP/AJ    | Ok     |
| 12  | AR1242ICC500  | PO109435.D     | 20 Feb 2025 19:31 | YP/AJ    | Ok     |
| 13  | AR1242ICC250  | PO109436.D     | 20 Feb 2025 19:50 | YP/AJ    | Ok     |
| 14  | AR1242ICC050  | PO109437.D     | 20 Feb 2025 20:08 | YP/AJ    | Ok,M   |
| 15  | AR1248ICC1000 | PO109438.D     | 20 Feb 2025 20:26 | YP/AJ    | Ok     |
| 16  | AR1248ICC750  | PO109439.D     | 20 Feb 2025 20:45 | YP/AJ    | Ok     |
| 17  | AR1248ICC500  | PO109440.D     | 20 Feb 2025 21:03 | YP/AJ    | Ok     |
| 18  | AR1248ICC250  | PO109441.D     | 20 Feb 2025 21:21 | YP/AJ    | Ok     |
| 19  | AR1248ICC050  | PO109442.D     | 20 Feb 2025 21:40 | YP/AJ    | Ok,M   |
| 20  | AR1254ICC1000 | PO109443.D     | 20 Feb 2025 21:58 | YP/AJ    | Ok     |
| 21  | AR1254ICC750  | PO109444.D     | 20 Feb 2025 22:17 | YP/AJ    | Ok     |

Instrument ID: ECD\_O

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

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

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

M : Manual Integration

Instrument ID: ECD\_O

**Daily Analysis Runlog For Sequence/QC Batch ID # PO031725**

|                          |                                                                                                                                                                                                                                                                                                                                 |                   |                               |
|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|-------------------------------|
| Review By                | yogesh                                                                                                                                                                                                                                                                                                                          | Review On         | 3/17/2025 11:37:36 AM         |
| Supervise By             | mohammad                                                                                                                                                                                                                                                                                                                        | Supervise On      | 3/19/2025 6:44:23 AM          |
| SubDirectory             | PO031725                                                                                                                                                                                                                                                                                                                        | HP Acquire Method | HP Processing Method PO022025 |
| <b>STD. NAME</b>         | <b>STD REF.#</b>                                                                                                                                                                                                                                                                                                                |                   |                               |
| Tune/Reschk              |                                                                                                                                                                                                                                                                                                                                 |                   |                               |
| Initial Calibration Stds | PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775 |                   |                               |
| CCC                      | PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773                                                                                                                                                                                                                                                                 |                   |                               |
| Internal Standard/PEM    |                                                                                                                                                                                                                                                                                                                                 |                   |                               |
| ICV/I.BLK                | PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947                                                                                                                                                                                                                                                                 |                   |                               |
| Surrogate Standard       |                                                                                                                                                                                                                                                                                                                                 |                   |                               |
| MS/MSD Standard          |                                                                                                                                                                                                                                                                                                                                 |                   |                               |
| LCS Standard             |                                                                                                                                                                                                                                                                                                                                 |                   |                               |

| Sr# | SampleId     | Data File Name | Date-Time         | Operator | Status   |
|-----|--------------|----------------|-------------------|----------|----------|
| 1   | HEXANE       | PO109922.D     | 17 Mar 2025 08:55 | YP/AJ    | Ok       |
| 2   | AR1660CCC500 | PO109923.D     | 17 Mar 2025 09:13 | YP/AJ    | Ok       |
| 3   | AR1242CCC500 | PO109924.D     | 17 Mar 2025 09:31 | YP/AJ    | Ok       |
| 4   | AR1248CCC500 | PO109925.D     | 17 Mar 2025 09:49 | YP/AJ    | Ok       |
| 5   | AR1254CCC500 | PO109926.D     | 17 Mar 2025 10:07 | YP/AJ    | Ok       |
| 6   | I.BLK        | PO109927.D     | 17 Mar 2025 10:26 | YP/AJ    | Ok       |
| 7   | PB167143BL   | PO109928.D     | 17 Mar 2025 10:44 | YP/AJ    | Not Ok   |
| 8   | Q1574-01     | PO109929.D     | 17 Mar 2025 11:02 | YP/AJ    | Dilution |
| 9   | Q1574-01DL   | PO109930.D     | 17 Mar 2025 11:20 | YP/AJ    | Ok,M     |
| 10  | Q1572-10DL   | PO109931.D     | 17 Mar 2025 13:08 | YP/AJ    | Ok       |
| 11  | Q1572-11DL   | PO109932.D     | 17 Mar 2025 13:27 | YP/AJ    | Ok,M     |
| 12  | Q1572-12DL   | PO109933.D     | 17 Mar 2025 13:45 | YP/AJ    | Dilution |
| 13  | Q1572-12DL2  | PO109934.D     | 17 Mar 2025 14:03 | YP/AJ    | Not Ok   |
| 14  | AR1660CCC500 | PO109935.D     | 17 Mar 2025 16:28 | YP/AJ    | Ok       |
| 15  | AR1242CCC500 | PO109936.D     | 17 Mar 2025 16:47 | YP/AJ    | Ok       |
| 16  | AR1248CCC500 | PO109937.D     | 17 Mar 2025 17:06 | YP/AJ    | Ok       |
| 17  | AR1254CCC500 | PO109938.D     | 17 Mar 2025 17:24 | YP/AJ    | Ok       |
| 18  | I.BLK        | PO109939.D     | 17 Mar 2025 17:42 | YP/AJ    | Ok       |
| 19  | PB167173BL   | PO109940.D     | 17 Mar 2025 18:01 | YP/AJ    | Ok       |
| 20  | PB167173BS   | PO109941.D     | 17 Mar 2025 18:19 | YP/AJ    | Ok       |
| 21  | Q1589-01     | PO109942.D     | 17 Mar 2025 18:38 | YP/AJ    | Ok,M     |



Instrument ID: ECD\_O

**Daily Analysis Runlog For Sequence/QC Batch ID # PO031725**

| Review By                | yogesh                                                                                                                                                                                                                                                                                                                          | Review On         | 3/17/2025 11:37:36 AM         |
|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|-------------------------------|
| Supervise By             | mohammad                                                                                                                                                                                                                                                                                                                        | Supervise On      | 3/19/2025 6:44:23 AM          |
| SubDirectory             | PO031725                                                                                                                                                                                                                                                                                                                        | HP Acquire Method | HP Processing Method PO022025 |
| STD. NAME                | STD REF.#                                                                                                                                                                                                                                                                                                                       |                   |                               |
| Tune/Reschk              |                                                                                                                                                                                                                                                                                                                                 |                   |                               |
| Initial Calibration Stds | PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775 |                   |                               |
| CCC                      | PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773                                                                                                                                                                                                                                                                 |                   |                               |
| Internal Standard/PEM    |                                                                                                                                                                                                                                                                                                                                 |                   |                               |
| ICV/I.BLK                | PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947                                                                                                                                                                                                                                                                 |                   |                               |
| Surrogate Standard       |                                                                                                                                                                                                                                                                                                                                 |                   |                               |
| MS/MSD Standard          |                                                                                                                                                                                                                                                                                                                                 |                   |                               |
| LCS Standard             |                                                                                                                                                                                                                                                                                                                                 |                   |                               |

|    |              |            |                   |       |      |
|----|--------------|------------|-------------------|-------|------|
| 22 | Q1589-02     | PO109943.D | 17 Mar 2025 18:55 | YP/AJ | Ok   |
| 23 | Q1589-03     | PO109944.D | 17 Mar 2025 19:13 | YP/AJ | Ok,M |
| 24 | Q1589-04     | PO109945.D | 17 Mar 2025 19:32 | YP/AJ | Ok   |
| 25 | Q1589-05     | PO109946.D | 17 Mar 2025 19:50 | YP/AJ | Ok,M |
| 26 | Q1589-06     | PO109947.D | 17 Mar 2025 20:08 | YP/AJ | Ok   |
| 27 | Q1589-07     | PO109948.D | 17 Mar 2025 20:27 | YP/AJ | Ok,M |
| 28 | Q1589-08     | PO109949.D | 17 Mar 2025 20:45 | YP/AJ | Ok,M |
| 29 | AR1660CCC500 | PO109950.D | 17 Mar 2025 22:43 | YP/AJ | Ok   |
| 30 | AR1242CCC500 | PO109951.D | 17 Mar 2025 23:38 | YP/AJ | Ok   |
| 31 | AR1248CCC500 | PO109952.D | 17 Mar 2025 23:57 | YP/AJ | Ok   |
| 32 | AR1254CCC500 | PO109953.D | 18 Mar 2025 00:15 | YP/AJ | Ok,M |
| 33 | I.BLK        | PO109954.D | 18 Mar 2025 00:33 | YP/AJ | Ok   |
| 34 | Q1589-09     | PO109955.D | 18 Mar 2025 00:52 | YP/AJ | Ok,M |
| 35 | Q1589-10     | PO109956.D | 18 Mar 2025 01:10 | YP/AJ | Ok,M |
| 36 | AR1660CCC500 | PO109957.D | 18 Mar 2025 03:07 | YP/AJ | Ok   |
| 37 | AR1242CCC500 | PO109958.D | 18 Mar 2025 04:03 | YP/AJ | Ok   |
| 38 | AR1248CCC500 | PO109959.D | 18 Mar 2025 04:21 | YP/AJ | Ok   |
| 39 | AR1254CCC500 | PO109960.D | 18 Mar 2025 04:39 | YP/AJ | Ok,M |
| 40 | I.BLK        | PO109961.D | 18 Mar 2025 04:58 | YP/AJ | Ok   |

M : Manual Integration

Instrument ID: ECD\_P

**Daily Analysis Runlog For Sequence/QC Batch ID # PP031125**

|                          |                                                                                                                                                                                                                                                                                                                                 |                   |                               |
|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|-------------------------------|
| Review By                | yogesh                                                                                                                                                                                                                                                                                                                          | Review On         | 3/12/2025 7:57:33 AM          |
| Supervise By             | mohammad                                                                                                                                                                                                                                                                                                                        | Supervise On      | 3/19/2025 6:54:29 AM          |
| SubDirectory             | PP031125                                                                                                                                                                                                                                                                                                                        | HP Acquire Method | HP Processing Method PP031125 |
| <b>STD. NAME</b>         | <b>STD REF.#</b>                                                                                                                                                                                                                                                                                                                |                   |                               |
| Tune/Reschk              |                                                                                                                                                                                                                                                                                                                                 |                   |                               |
| Initial Calibration Stds | PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775 |                   |                               |
| CCC                      | PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773                                                                                                                                                                                                                                                                 |                   |                               |
| Internal Standard/PEM    |                                                                                                                                                                                                                                                                                                                                 |                   |                               |
| ICV/I.BLK                | PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947                                                                                                                                                                                                                                                                 |                   |                               |
| Surrogate Standard       |                                                                                                                                                                                                                                                                                                                                 |                   |                               |
| MS/MSD Standard          |                                                                                                                                                                                                                                                                                                                                 |                   |                               |
| LCS Standard             |                                                                                                                                                                                                                                                                                                                                 |                   |                               |

| Sr# | SampleId      | Data File Name | Date-Time         | Operator | Status |
|-----|---------------|----------------|-------------------|----------|--------|
| 1   | HEXANE        | PP070417.D     | 11 Mar 2025 14:41 | YP\AJ    | Ok     |
| 2   | I.BLK         | PP070418.D     | 11 Mar 2025 14:57 | YP\AJ    | Ok     |
| 3   | AR1660ICC1000 | PP070419.D     | 11 Mar 2025 15:13 | YP\AJ    | Ok     |
| 4   | AR1660ICC750  | PP070420.D     | 11 Mar 2025 15:29 | YP\AJ    | Ok     |
| 5   | AR1660ICC500  | PP070421.D     | 11 Mar 2025 15:46 | YP\AJ    | Ok     |
| 6   | AR1660ICC250  | PP070422.D     | 11 Mar 2025 16:02 | YP\AJ    | Ok,M   |
| 7   | AR1660ICC050  | PP070423.D     | 11 Mar 2025 16:18 | YP\AJ    | Ok,M   |
| 8   | AR1221ICC500  | PP070424.D     | 11 Mar 2025 16:34 | YP\AJ    | Ok     |
| 9   | AR1232ICC1000 | PP070425.D     | 11 Mar 2025 16:51 | YP\AJ    | Ok     |
| 10  | AR1232ICC750  | PP070426.D     | 11 Mar 2025 17:07 | YP\AJ    | Ok     |
| 11  | AR1232ICC500  | PP070427.D     | 11 Mar 2025 17:23 | YP\AJ    | Ok     |
| 12  | AR1232ICC250  | PP070428.D     | 11 Mar 2025 17:40 | YP\AJ    | Ok,M   |
| 13  | AR1232ICC050  | PP070429.D     | 11 Mar 2025 17:56 | YP\AJ    | Ok,M   |
| 14  | AR1242ICC1000 | PP070430.D     | 11 Mar 2025 18:12 | YP\AJ    | Ok     |
| 15  | AR1242ICC750  | PP070431.D     | 11 Mar 2025 18:28 | YP\AJ    | Ok     |
| 16  | AR1242ICC500  | PP070432.D     | 11 Mar 2025 18:45 | YP\AJ    | Ok     |
| 17  | AR1242ICC250  | PP070433.D     | 11 Mar 2025 19:01 | YP\AJ    | Ok     |
| 18  | AR1242ICC050  | PP070434.D     | 11 Mar 2025 19:17 | YP\AJ    | Ok,M   |
| 19  | AR1248ICC1000 | PP070435.D     | 11 Mar 2025 19:34 | YP\AJ    | Ok     |
| 20  | AR1248ICC750  | PP070436.D     | 11 Mar 2025 19:50 | YP\AJ    | Ok     |
| 21  | AR1248ICC500  | PP070437.D     | 11 Mar 2025 20:06 | YP\AJ    | Ok     |

Instrument ID: ECD\_P

**Daily Analysis Runlog For Sequence/QCBatch ID # PP031125**

|                          |                                                                                                                                                                                                                                                                                                                                 |                   |                               |
|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|-------------------------------|
| Review By                | yogesh                                                                                                                                                                                                                                                                                                                          | Review On         | 3/12/2025 7:57:33 AM          |
| Supervise By             | mohammad                                                                                                                                                                                                                                                                                                                        | Supervise On      | 3/19/2025 6:54:29 AM          |
| SubDirectory             | PP031125                                                                                                                                                                                                                                                                                                                        | HP Acquire Method | HP Processing Method PP031125 |
| <b>STD. NAME</b>         | <b>STD REF.#</b>                                                                                                                                                                                                                                                                                                                |                   |                               |
| Tune/Reschk              |                                                                                                                                                                                                                                                                                                                                 |                   |                               |
| Initial Calibration Stds | PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775 |                   |                               |
| CCC                      | PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773                                                                                                                                                                                                                                                                 |                   |                               |
| Internal Standard/PEM    |                                                                                                                                                                                                                                                                                                                                 |                   |                               |
| ICV/I.BLK                | PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947                                                                                                                                                                                                                                                                 |                   |                               |
| Surrogate Standard       |                                                                                                                                                                                                                                                                                                                                 |                   |                               |
| MS/MSD Standard          |                                                                                                                                                                                                                                                                                                                                 |                   |                               |
| LCS Standard             |                                                                                                                                                                                                                                                                                                                                 |                   |                               |

|    |                |            |                   |       |      |
|----|----------------|------------|-------------------|-------|------|
| 22 | AR1248ICC250   | PP070438.D | 11 Mar 2025 20:22 | YPIAJ | Ok   |
| 23 | AR1248ICC050   | PP070439.D | 11 Mar 2025 20:39 | YPIAJ | Ok,M |
| 24 | AR1254ICC1000  | PP070440.D | 11 Mar 2025 20:55 | YPIAJ | Ok   |
| 25 | AR1254ICC750   | PP070441.D | 11 Mar 2025 21:11 | YPIAJ | Ok   |
| 26 | AR1254ICC500   | PP070442.D | 11 Mar 2025 21:28 | YPIAJ | Ok   |
| 27 | AR1254ICC250   | PP070443.D | 11 Mar 2025 21:44 | YPIAJ | Ok   |
| 28 | AR1254ICC050   | PP070444.D | 11 Mar 2025 22:00 | YPIAJ | Ok   |
| 29 | AR1262ICC500   | PP070445.D | 11 Mar 2025 22:16 | YPIAJ | Ok   |
| 30 | AR1268ICC1000  | PP070446.D | 11 Mar 2025 22:33 | YPIAJ | Ok   |
| 31 | AR1268ICC750   | PP070447.D | 11 Mar 2025 22:49 | YPIAJ | Ok   |
| 32 | AR1268ICC500   | PP070448.D | 11 Mar 2025 23:05 | YPIAJ | Ok   |
| 33 | AR1268ICC250   | PP070449.D | 11 Mar 2025 23:22 | YPIAJ | Ok   |
| 34 | AR1268ICC050   | PP070450.D | 11 Mar 2025 23:38 | YPIAJ | Ok,M |
| 35 | PP031125ICV500 | PP070451.D | 11 Mar 2025 23:54 | YPIAJ | Ok   |
| 36 | AR1232ICV500   | PP070452.D | 12 Mar 2025 00:10 | YPIAJ | Ok   |
| 37 | AR1242ICV500   | PP070453.D | 12 Mar 2025 00:27 | YPIAJ | Ok   |
| 38 | AR1248ICV500   | PP070454.D | 12 Mar 2025 00:43 | YPIAJ | Ok   |
| 39 | AR1254ICV500   | PP070455.D | 12 Mar 2025 00:59 | YPIAJ | Ok   |
| 40 | AR1268ICV500   | PP070456.D | 12 Mar 2025 01:16 | YPIAJ | Ok   |
| 41 | AR1660CCC500   | PP070457.D | 12 Mar 2025 01:32 | YPIAJ | Ok   |
| 42 | AR1232CCC500   | PP070458.D | 12 Mar 2025 01:48 | YPIAJ | Ok   |
| 43 | AR1242CCC500   | PP070459.D | 12 Mar 2025 02:04 | YPIAJ | Ok   |
| 44 | I.BLK          | PP070460.D | 12 Mar 2025 02:21 | YPIAJ | Ok   |

Instrument ID: ECD\_P

**Daily Analysis Runlog For Sequence/QC Batch ID # PP031125**

| Review By                | yogesh                                                                                                                                                                                                                                                                                                                          | Review On         | 3/12/2025 7:57:33 AM          |
|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|-------------------------------|
| Supervise By             | mohammad                                                                                                                                                                                                                                                                                                                        | Supervise On      | 3/19/2025 6:54:29 AM          |
| SubDirectory             | PP031125                                                                                                                                                                                                                                                                                                                        | HP Acquire Method | HP Processing Method PP031125 |
| STD. NAME                | STD REF.#                                                                                                                                                                                                                                                                                                                       |                   |                               |
| Tune/Reschk              |                                                                                                                                                                                                                                                                                                                                 |                   |                               |
| Initial Calibration Stds | PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775 |                   |                               |
| CCC                      | PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773                                                                                                                                                                                                                                                                 |                   |                               |
| Internal Standard/PEM    |                                                                                                                                                                                                                                                                                                                                 |                   |                               |
| ICV/I.BLK                | PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947                                                                                                                                                                                                                                                                 |                   |                               |
| Surrogate Standard       |                                                                                                                                                                                                                                                                                                                                 |                   |                               |
| MS/MSD Standard          |                                                                                                                                                                                                                                                                                                                                 |                   |                               |
| LCS Standard             |                                                                                                                                                                                                                                                                                                                                 |                   |                               |

|    |              |            |                   |       |      |
|----|--------------|------------|-------------------|-------|------|
| 45 | PB167066BL   | PP070461.D | 12 Mar 2025 02:37 | YP\AJ | Ok   |
| 46 | Q1502-15     | PP070462.D | 12 Mar 2025 02:53 | YP\AJ | Ok   |
| 47 | AR1660CCC500 | PP070463.D | 12 Mar 2025 03:09 | YP\AJ | Ok   |
| 48 | AR1232CCC500 | PP070464.D | 12 Mar 2025 03:26 | YP\AJ | Ok   |
| 49 | AR1242CCC500 | PP070465.D | 12 Mar 2025 03:42 | YP\AJ | Ok,M |
| 50 | I.BLK        | PP070466.D | 12 Mar 2025 03:58 | YP\AJ | Ok   |

M : Manual Integration

Instrument ID: ECD\_P

**Daily Analysis Runlog For Sequence/QC Batch ID # PP031425**

|                          |                                                                                                                                                                                                                                                                                                                                 |                   |                               |
|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|-------------------------------|
| Review By                | yogesh                                                                                                                                                                                                                                                                                                                          | Review On         | 3/17/2025 8:24:56 AM          |
| Supervise By             | mohammad                                                                                                                                                                                                                                                                                                                        | Supervise On      | 3/19/2025 6:39:12 AM          |
| SubDirectory             | PP031425                                                                                                                                                                                                                                                                                                                        | HP Acquire Method | HP Processing Method PP031125 |
| <b>STD. NAME</b>         | <b>STD REF.#</b>                                                                                                                                                                                                                                                                                                                |                   |                               |
| Tune/Reschk              |                                                                                                                                                                                                                                                                                                                                 |                   |                               |
| Initial Calibration Stds | PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775 |                   |                               |
| CCC                      | PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773                                                                                                                                                                                                                                                                 |                   |                               |
| Internal Standard/PEM    |                                                                                                                                                                                                                                                                                                                                 |                   |                               |
| ICV/I.BLK                | PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947                                                                                                                                                                                                                                                                 |                   |                               |
| Surrogate Standard       |                                                                                                                                                                                                                                                                                                                                 |                   |                               |
| MS/MSD Standard          |                                                                                                                                                                                                                                                                                                                                 |                   |                               |
| LCS Standard             |                                                                                                                                                                                                                                                                                                                                 |                   |                               |

| Sr# | SampleId     | Data File Name | Date-Time         | Operator | Status |
|-----|--------------|----------------|-------------------|----------|--------|
| 1   | HEXANE       | PP070499.D     | 14 Mar 2025 07:42 | YP\AJ    | Ok     |
| 2   | AR1660CCC500 | PP070500.D     | 14 Mar 2025 07:58 | YP\AJ    | Ok,M   |
| 3   | AR1242CCC500 | PP070501.D     | 14 Mar 2025 08:14 | YP\AJ    | Ok     |
| 4   | AR1248CCC500 | PP070502.D     | 14 Mar 2025 08:31 | YP\AJ    | Ok     |
| 5   | AR1254CCC500 | PP070503.D     | 14 Mar 2025 08:47 | YP\AJ    | Ok     |
| 6   | I.BLK        | PP070504.D     | 14 Mar 2025 09:03 | YP\AJ    | Ok     |
| 7   | PB167130BL   | PP070505.D     | 14 Mar 2025 09:21 | YP\AJ    | Ok     |
| 8   | PB167130BS   | PP070506.D     | 14 Mar 2025 09:37 | YP\AJ    | Ok     |
| 9   | Q1562-01     | PP070507.D     | 14 Mar 2025 09:53 | YP\AJ    | Ok,M   |
| 10  | Q1562-02     | PP070508.D     | 14 Mar 2025 10:09 | YP\AJ    | Ok,M   |
| 11  | Q1562-03     | PP070509.D     | 14 Mar 2025 10:26 | YP\AJ    | Ok,M   |
| 12  | Q1562-04     | PP070510.D     | 14 Mar 2025 10:42 | YP\AJ    | Ok,M   |
| 13  | Q1562-05     | PP070511.D     | 14 Mar 2025 10:58 | YP\AJ    | Ok,M   |
| 14  | Q1562-06     | PP070512.D     | 14 Mar 2025 11:14 | YP\AJ    | Ok,M   |
| 15  | Q1562-07     | PP070513.D     | 14 Mar 2025 11:31 | YP\AJ    | Ok,M   |
| 16  | Q1562-08     | PP070514.D     | 14 Mar 2025 11:47 | YP\AJ    | Ok,M   |
| 17  | AR1660CCC500 | PP070515.D     | 14 Mar 2025 12:36 | YP\AJ    | Ok,M   |
| 18  | AR1242CCC500 | PP070516.D     | 14 Mar 2025 12:52 | YP\AJ    | Ok     |
| 19  | AR1248CCC500 | PP070517.D     | 14 Mar 2025 13:08 | YP\AJ    | Ok     |
| 20  | AR1254CCC500 | PP070518.D     | 14 Mar 2025 13:24 | YP\AJ    | Ok     |
| 21  | I.BLK        | PP070519.D     | 14 Mar 2025 13:41 | YP\AJ    | Ok     |

Instrument ID: ECD\_P

**Daily Analysis Runlog For Sequence/QCBatch ID # PP031425**

| Review By                | yogesh                                                                                                                                                                                                                                                                                                                          | Review On         | 3/17/2025 8:24:56 AM          |
|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|-------------------------------|
| Supervise By             | mohammad                                                                                                                                                                                                                                                                                                                        | Supervise On      | 3/19/2025 6:39:12 AM          |
| SubDirectory             | PP031425                                                                                                                                                                                                                                                                                                                        | HP Acquire Method | HP Processing Method PP031125 |
| STD. NAME                | STD REF.#                                                                                                                                                                                                                                                                                                                       |                   |                               |
| Tune/Reschk              |                                                                                                                                                                                                                                                                                                                                 |                   |                               |
| Initial Calibration Stds | PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775 |                   |                               |
| CCC                      | PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773                                                                                                                                                                                                                                                                 |                   |                               |
| Internal Standard/PEM    |                                                                                                                                                                                                                                                                                                                                 |                   |                               |
| ICV/I.BLK                | PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947                                                                                                                                                                                                                                                                 |                   |                               |
| Surrogate Standard       |                                                                                                                                                                                                                                                                                                                                 |                   |                               |
| MS/MSD Standard          |                                                                                                                                                                                                                                                                                                                                 |                   |                               |
| LCS Standard             |                                                                                                                                                                                                                                                                                                                                 |                   |                               |

|    |              |            |                   |       |      |
|----|--------------|------------|-------------------|-------|------|
| 22 | Q1564-04     | PP070520.D | 14 Mar 2025 13:57 | YP\AJ | Ok,M |
| 23 | Q1564-05     | PP070521.D | 14 Mar 2025 14:13 | YP\AJ | Ok,M |
| 24 | Q1564-06     | PP070522.D | 14 Mar 2025 14:29 | YP\AJ | Ok,M |
| 25 | Q1564-01     | PP070523.D | 14 Mar 2025 14:45 | YP\AJ | Ok,M |
| 26 | Q1564-02     | PP070524.D | 14 Mar 2025 15:02 | YP\AJ | Ok,M |
| 27 | Q1564-03     | PP070525.D | 14 Mar 2025 15:18 | YP\AJ | Ok,M |
| 28 | PB167139BL   | PP070526.D | 14 Mar 2025 15:34 | YP\AJ | Ok   |
| 29 | PB167139BS   | PP070527.D | 14 Mar 2025 15:50 | YP\AJ | Ok   |
| 30 | PB167139BSD  | PP070528.D | 14 Mar 2025 16:06 | YP\AJ | Ok   |
| 31 | AR1660CCC500 | PP070529.D | 14 Mar 2025 16:55 | YP\AJ | Ok   |
| 32 | AR1242CCC500 | PP070530.D | 14 Mar 2025 17:11 | YP\AJ | Ok   |
| 33 | AR1248CCC500 | PP070531.D | 14 Mar 2025 17:28 | YP\AJ | Ok   |
| 34 | AR1254CCC500 | PP070532.D | 14 Mar 2025 17:44 | YP\AJ | Ok   |
| 35 | I.BLK        | PP070533.D | 14 Mar 2025 18:00 | YP\AJ | Ok   |
| 36 | Q1553-03     | PP070534.D | 14 Mar 2025 18:16 | YP\AJ | Ok,M |
| 37 | Q1563-01     | PP070535.D | 14 Mar 2025 18:33 | YP\AJ | Ok   |
| 38 | Q1563-02     | PP070536.D | 14 Mar 2025 18:49 | YP\AJ | Ok,M |
| 39 | PB167136BL   | PP070537.D | 14 Mar 2025 19:05 | YP\AJ | Ok   |
| 40 | PB167136BS   | PP070538.D | 14 Mar 2025 19:21 | YP\AJ | Ok   |
| 41 | Q1566-01     | PP070539.D | 14 Mar 2025 19:38 | YP\AJ | Ok   |
| 42 | Q1568-01     | PP070540.D | 14 Mar 2025 19:54 | YP\AJ | Ok   |
| 43 | Q1568-01MS   | PP070541.D | 14 Mar 2025 20:10 | YP\AJ | Ok   |
| 44 | Q1568-01MSD  | PP070542.D | 14 Mar 2025 20:26 | YP\AJ | Ok,M |

Instrument ID: ECD\_P

**Daily Analysis Runlog For Sequence/QCBatch ID # PP031425**

| Review By                | yogesh                                                                                                                                                                                                                                                                                                                          | Review On         | 3/17/2025 8:24:56 AM          |
|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|-------------------------------|
| Supervise By             | mohammad                                                                                                                                                                                                                                                                                                                        | Supervise On      | 3/19/2025 6:39:12 AM          |
| SubDirectory             | PP031425                                                                                                                                                                                                                                                                                                                        | HP Acquire Method | HP Processing Method PP031125 |
| STD. NAME                | STD REF.#                                                                                                                                                                                                                                                                                                                       |                   |                               |
| Tune/Reschk              |                                                                                                                                                                                                                                                                                                                                 |                   |                               |
| Initial Calibration Stds | PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775 |                   |                               |
| CCC                      | PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773                                                                                                                                                                                                                                                                 |                   |                               |
| Internal Standard/PEM    |                                                                                                                                                                                                                                                                                                                                 |                   |                               |
| ICV/I.BLK                | PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947                                                                                                                                                                                                                                                                 |                   |                               |
| Surrogate Standard       |                                                                                                                                                                                                                                                                                                                                 |                   |                               |
| MS/MSD Standard          |                                                                                                                                                                                                                                                                                                                                 |                   |                               |
| LCS Standard             |                                                                                                                                                                                                                                                                                                                                 |                   |                               |

|    |              |            |                   |       |          |
|----|--------------|------------|-------------------|-------|----------|
| 45 | AR1660CCC500 | PP070543.D | 14 Mar 2025 21:15 | YP\AJ | Ok       |
| 46 | AR1242CCC500 | PP070544.D | 14 Mar 2025 21:31 | YP\AJ | Ok,M     |
| 47 | AR1248CCC500 | PP070545.D | 14 Mar 2025 21:48 | YP\AJ | Ok       |
| 48 | AR1254CCC500 | PP070546.D | 14 Mar 2025 22:04 | YP\AJ | Ok       |
| 49 | I.BLK        | PP070547.D | 14 Mar 2025 22:20 | YP\AJ | Ok       |
| 50 | PB167143BL   | PP070548.D | 14 Mar 2025 22:36 | YP\AJ | Ok       |
| 51 | PB167143BS   | PP070549.D | 14 Mar 2025 22:52 | YP\AJ | Ok,M     |
| 52 | Q1569-01     | PP070550.D | 14 Mar 2025 23:09 | YP\AJ | Ok       |
| 53 | Q1569-04     | PP070551.D | 14 Mar 2025 23:25 | YP\AJ | Ok,M     |
| 54 | Q1572-01     | PP070552.D | 14 Mar 2025 23:41 | YP\AJ | Dilution |
| 55 | Q1572-02     | PP070553.D | 14 Mar 2025 23:57 | YP\AJ | Dilution |
| 56 | Q1572-03     | PP070554.D | 15 Mar 2025 00:14 | YP\AJ | Dilution |
| 57 | Q1572-04     | PP070555.D | 15 Mar 2025 00:30 | YP\AJ | Dilution |
| 58 | Q1572-05     | PP070556.D | 15 Mar 2025 00:46 | YP\AJ | Dilution |
| 59 | Q1572-07     | PP070557.D | 15 Mar 2025 01:02 | YP\AJ | Dilution |
| 60 | AR1660CCC500 | PP070558.D | 15 Mar 2025 01:51 | YP\AJ | Ok       |
| 61 | AR1242CCC500 | PP070559.D | 15 Mar 2025 02:07 | YP\AJ | Ok       |
| 62 | AR1248CCC500 | PP070560.D | 15 Mar 2025 02:24 | YP\AJ | Ok       |
| 63 | AR1254CCC500 | PP070561.D | 15 Mar 2025 02:40 | YP\AJ | Ok       |
| 64 | I.BLK        | PP070562.D | 15 Mar 2025 02:56 | YP\AJ | Ok       |
| 65 | Q1572-06     | PP070563.D | 15 Mar 2025 03:12 | YP\AJ | Dilution |
| 66 | Q1572-06MS   | PP070564.D | 15 Mar 2025 03:29 | YP\AJ | Ok,M     |
| 67 | Q1572-06MSD  | PP070565.D | 15 Mar 2025 03:45 | YP\AJ | Ok,M     |

Instrument ID: ECD\_P

**Daily Analysis Runlog For Sequence/QC Batch ID # PP031425**

| Review By                | yogesh                                                                                                                                                                                                                                                                                                                          | Review On         | 3/17/2025 8:24:56 AM          |
|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|-------------------------------|
| Supervise By             | mohammad                                                                                                                                                                                                                                                                                                                        | Supervise On      | 3/19/2025 6:39:12 AM          |
| SubDirectory             | PP031425                                                                                                                                                                                                                                                                                                                        | HP Acquire Method | HP Processing Method PP031125 |
| STD. NAME                | STD REF.#                                                                                                                                                                                                                                                                                                                       |                   |                               |
| Tune/Reschk              |                                                                                                                                                                                                                                                                                                                                 |                   |                               |
| Initial Calibration Stds | PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775 |                   |                               |
| CCC                      | PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773                                                                                                                                                                                                                                                                 |                   |                               |
| Internal Standard/PEM    |                                                                                                                                                                                                                                                                                                                                 |                   |                               |
| ICV/I.BLK                | PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947                                                                                                                                                                                                                                                                 |                   |                               |
| Surrogate Standard       |                                                                                                                                                                                                                                                                                                                                 |                   |                               |
| MS/MSD Standard          |                                                                                                                                                                                                                                                                                                                                 |                   |                               |
| LCS Standard             |                                                                                                                                                                                                                                                                                                                                 |                   |                               |

|    |              |            |                   |       |          |
|----|--------------|------------|-------------------|-------|----------|
| 68 | Q1572-08     | PP070566.D | 15 Mar 2025 04:01 | YP\AJ | Dilution |
| 69 | Q1572-09     | PP070567.D | 15 Mar 2025 04:17 | YP\AJ | Dilution |
| 70 | AR1660CCC500 | PP070568.D | 15 Mar 2025 05:06 | YP\AJ | Ok       |
| 71 | AR1242CCC500 | PP070569.D | 15 Mar 2025 05:22 | YP\AJ | Ok       |
| 72 | AR1248CCC500 | PP070570.D | 15 Mar 2025 05:39 | YP\AJ | Ok       |
| 73 | AR1254CCC500 | PP070571.D | 15 Mar 2025 05:55 | YP\AJ | Ok       |
| 74 | I.BLK        | PP070572.D | 15 Mar 2025 06:11 | YP\AJ | Ok       |

M : Manual Integration



Instrument ID: ECD\_O

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

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

| STD. NAME                | STD REF.#                                                                                                                                                                                                                                                                                                                       |
|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Tune/Reschk              |                                                                                                                                                                                                                                                                                                                                 |
| Initial Calibration Stds | PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775 |
| CCC                      | PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773                                                                                                                                                                                                                                                                 |
| Internal Standard/PEM    |                                                                                                                                                                                                                                                                                                                                 |
| ICV/I.BLK                | PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947                                                                                                                                                                                                                                                                 |
| Surrogate Standard       |                                                                                                                                                                                                                                                                                                                                 |
| MS/MSD Standard          |                                                                                                                                                                                                                                                                                                                                 |
| LCS Standard             |                                                                                                                                                                                                                                                                                                                                 |

| Sr# | SampleId      | ClientID      | Data File Name | Date-Time         | Comment | Operator | Status |
|-----|---------------|---------------|----------------|-------------------|---------|----------|--------|
| 1   | HEXANE        | HEXANE        | PO109424.D     | 20 Feb 2025 16:09 |         | YP/AJ    | Ok     |
| 2   | I.BLK         | I.BLK         | PO109425.D     | 20 Feb 2025 16:28 |         | YP/AJ    | Ok     |
| 3   | AR1660ICC1000 | AR1660ICC1000 | PO109426.D     | 20 Feb 2025 16:46 |         | YP/AJ    | Ok     |
| 4   | AR1660ICC750  | AR1660ICC750  | PO109427.D     | 20 Feb 2025 17:04 |         | YP/AJ    | Ok     |
| 5   | AR1660ICC500  | AR1660ICC500  | PO109428.D     | 20 Feb 2025 17:23 |         | YP/AJ    | Ok     |
| 6   | AR1660ICC250  | AR1660ICC250  | PO109429.D     | 20 Feb 2025 17:41 |         | YP/AJ    | Ok     |
| 7   | AR1660ICC050  | AR1660ICC050  | PO109430.D     | 20 Feb 2025 17:59 |         | YP/AJ    | Ok     |
| 8   | AR1221ICC500  | AR1221ICC500  | PO109431.D     | 20 Feb 2025 18:18 |         | YP/AJ    | Ok     |
| 9   | AR1232ICC500  | AR1232ICC500  | PO109432.D     | 20 Feb 2025 18:36 |         | YP/AJ    | Ok     |
| 10  | AR1242ICC1000 | AR1242ICC1000 | PO109433.D     | 20 Feb 2025 18:55 |         | YP/AJ    | Ok     |
| 11  | AR1242ICC750  | AR1242ICC750  | PO109434.D     | 20 Feb 2025 19:13 |         | YP/AJ    | Ok     |
| 12  | AR1242ICC500  | AR1242ICC500  | PO109435.D     | 20 Feb 2025 19:31 |         | YP/AJ    | Ok     |
| 13  | AR1242ICC250  | AR1242ICC250  | PO109436.D     | 20 Feb 2025 19:50 |         | YP/AJ    | Ok     |
| 14  | AR1242ICC050  | AR1242ICC050  | PO109437.D     | 20 Feb 2025 20:08 |         | YP/AJ    | Ok,M   |
| 15  | AR1248ICC1000 | AR1248ICC1000 | PO109438.D     | 20 Feb 2025 20:26 |         | YP/AJ    | Ok     |
| 16  | AR1248ICC750  | AR1248ICC750  | PO109439.D     | 20 Feb 2025 20:45 |         | YP/AJ    | Ok     |
| 17  | AR1248ICC500  | AR1248ICC500  | PO109440.D     | 20 Feb 2025 21:03 |         | YP/AJ    | Ok     |
| 18  | AR1248ICC250  | AR1248ICC250  | PO109441.D     | 20 Feb 2025 21:21 |         | YP/AJ    | Ok     |

Instrument ID: ECD\_O

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

| Review By                | yogesh                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Review On         | 2/21/2025 8:09:53 AM          |
|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|-------------------------------|
| Supervise By             | Ankita                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Supervise On      | 2/21/2025 9:30:37 AM          |
| SubDirectory             | PO022025                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | HP Acquire Method | HP Processing Method PO022025 |
| STD. NAME                | STD REF.#                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                   |                               |
| Tune/Reschk              | PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,P<br>P23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP<br>23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775<br><br>PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773<br><br>PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947 |                   |                               |
| Initial Calibration Stds |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                   |                               |
| CCC                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                   |                               |
| Internal Standard/PEM    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                   |                               |
| ICV/I.BLK                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                   |                               |
| Surrogate Standard       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                   |                               |
| MS/MSD Standard          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                   |                               |
| LCS Standard             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                   |                               |

|    |                |                   |            |                   |  |       |      |
|----|----------------|-------------------|------------|-------------------|--|-------|------|
| 19 | AR1248ICC050   | AR1248ICC050      | PO109442.D | 20 Feb 2025 21:40 |  | YP/AJ | Ok,M |
| 20 | AR1254ICC1000  | AR1254ICC1000     | PO109443.D | 20 Feb 2025 21:58 |  | YP/AJ | Ok   |
| 21 | AR1254ICC750   | AR1254ICC750      | PO109444.D | 20 Feb 2025 22:17 |  | YP/AJ | Ok   |
| 22 | AR1254ICC500   | AR1254ICC500      | PO109445.D | 20 Feb 2025 22:35 |  | YP/AJ | Ok   |
| 23 | AR1254ICC250   | AR1254ICC250      | PO109446.D | 20 Feb 2025 22:53 |  | YP/AJ | Ok   |
| 24 | AR1254ICC050   | AR1254ICC050      | PO109447.D | 20 Feb 2025 23:12 |  | YP/AJ | Ok,M |
| 25 | AR1262ICC500   | AR1262ICC500      | PO109448.D | 20 Feb 2025 23:30 |  | YP/AJ | Ok   |
| 26 | AR1268ICC1000  | AR1268ICC1000     | PO109449.D | 20 Feb 2025 23:48 |  | YP/AJ | Ok   |
| 27 | AR1268ICC750   | AR1268ICC750      | PO109450.D | 21 Feb 2025 00:07 |  | YP/AJ | Ok   |
| 28 | AR1268ICC500   | AR1268ICC500      | PO109451.D | 21 Feb 2025 00:25 |  | YP/AJ | Ok   |
| 29 | AR1268ICC250   | AR1268ICC250      | PO109452.D | 21 Feb 2025 00:43 |  | YP/AJ | Ok   |
| 30 | AR1268ICC050   | AR1268ICC050      | PO109453.D | 21 Feb 2025 01:02 |  | YP/AJ | Ok   |
| 31 | PO022025ICV500 | ICVPO022025       | PO109454.D | 21 Feb 2025 01:20 |  | YP/AJ | Ok   |
| 32 | AR1242ICV500   | ICVPO022025AR1242 | PO109455.D | 21 Feb 2025 01:38 |  | YP/AJ | Ok   |
| 33 | AR1248ICV500   | ICVPO022025AR1248 | PO109456.D | 21 Feb 2025 01:57 |  | YP/AJ | Ok   |
| 34 | AR1254ICV500   | ICVPO022025AR1254 | PO109457.D | 21 Feb 2025 02:15 |  | YP/AJ | Ok   |
| 35 | AR1268ICV500   | ICVPO022025AR1268 | PO109458.D | 21 Feb 2025 02:34 |  | YP/AJ | Ok   |

M : Manual Integration

Instrument ID: ECD\_O

**Daily Analysis Runlog For Sequence/QC Batch ID # PO031725**

|              |          |                   |                       |          |  |
|--------------|----------|-------------------|-----------------------|----------|--|
| Review By    | yogesh   | Review On         | 3/17/2025 11:37:36 AM |          |  |
| Supervise By | mohammad | Supervise On      | 3/19/2025 6:44:23 AM  |          |  |
| SubDirectory | PO031725 | HP Acquire Method | HP Processing Method  | PO022025 |  |

| STD. NAME                | STD REF.#                                                                                                                                                                                                                                                                                                                       |
|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Tune/Reschk              |                                                                                                                                                                                                                                                                                                                                 |
| Initial Calibration Stds | PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775 |
| CCC                      | PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773                                                                                                                                                                                                                                                                 |
| Internal Standard/PEM    |                                                                                                                                                                                                                                                                                                                                 |
| ICV/I.BLK                | PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947                                                                                                                                                                                                                                                                 |
| Surrogate Standard       |                                                                                                                                                                                                                                                                                                                                 |
| MS/MSD Standard          |                                                                                                                                                                                                                                                                                                                                 |
| LCS Standard             |                                                                                                                                                                                                                                                                                                                                 |

| Sr# | SampleID     | ClientID     | Data File Name | Date-Time         | Comment                                        | Operator | Status   |
|-----|--------------|--------------|----------------|-------------------|------------------------------------------------|----------|----------|
| 1   | HEXANE       | HEXANE       | PO109922.D     | 17 Mar 2025 08:55 |                                                | YP/AJ    | Ok       |
| 2   | AR1660CCC500 | AR1660CCC500 | PO109923.D     | 17 Mar 2025 09:13 |                                                | YP/AJ    | Ok       |
| 3   | AR1242CCC500 | AR1242CCC500 | PO109924.D     | 17 Mar 2025 09:31 |                                                | YP/AJ    | Ok       |
| 4   | AR1248CCC500 | AR1248CCC500 | PO109925.D     | 17 Mar 2025 09:49 |                                                | YP/AJ    | Ok       |
| 5   | AR1254CCC500 | AR1254CCC500 | PO109926.D     | 17 Mar 2025 10:07 |                                                | YP/AJ    | Ok       |
| 6   | I.BLK        | I.BLK        | PO109927.D     | 17 Mar 2025 10:26 |                                                | YP/AJ    | Ok       |
| 7   | PB167143BL   | PB167143BL   | PO109928.D     | 17 Mar 2025 10:44 |                                                | YP/AJ    | Not Ok   |
| 8   | Q1574-01     | WC1          | PO109929.D     | 17 Mar 2025 11:02 | AR1254, Need 5X Dilution                       | YP/AJ    | Dilution |
| 9   | Q1574-01DL   | WC1DL        | PO109930.D     | 17 Mar 2025 11:20 | AR1254 hit                                     | YP/AJ    | Ok,M     |
| 10  | Q1572-10DL   | C0022DL      | PO109931.D     | 17 Mar 2025 13:08 | AR1248 Hit                                     | YP/AJ    | Ok       |
| 11  | Q1572-11DL   | C0023DL      | PO109932.D     | 17 Mar 2025 13:27 | AR1248 Hit, DCB high in both column,           | YP/AJ    | Ok,M     |
| 12  | Q1572-12DL   | C0024DL      | PO109933.D     | 17 Mar 2025 13:45 | AR1248 + AR1260 Hit, Need further 10x Dilution | YP/AJ    | Dilution |
| 13  | Q1572-12DL2  | C0024DL2     | PO109934.D     | 17 Mar 2025 14:03 | AR1248 + AR1260 Hit, Need more Dilution        | YP/AJ    | Not Ok   |
| 14  | AR1660CCC500 | AR1660CCC500 | PO109935.D     | 17 Mar 2025 16:28 |                                                | YP/AJ    | Ok       |
| 15  | AR1242CCC500 | AR1242CCC500 | PO109936.D     | 17 Mar 2025 16:47 |                                                | YP/AJ    | Ok       |
| 16  | AR1248CCC500 | AR1248CCC500 | PO109937.D     | 17 Mar 2025 17:06 |                                                | YP/AJ    | Ok       |
| 17  | AR1254CCC500 | AR1254CCC500 | PO109938.D     | 17 Mar 2025 17:24 |                                                | YP/AJ    | Ok       |

Instrument ID: ECD\_O

**Daily Analysis Runlog For Sequence/QC Batch ID # PO031725**

| Review By                | yogesh   | Review On                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 3/17/2025 11:37:36 AM |          |
|--------------------------|----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|----------|
| Supervise By             | mohammad | Supervise On                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 3/19/2025 6:44:23 AM  |          |
| SubDirectory             | PO031725 | HP Acquire Method                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | HP Processing Method  | PO022025 |
| STD. NAME                |          | STD REF.#                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                       |          |
| Tune/Reschk              |          | PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,P<br>P23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP<br>23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775<br><br>PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773<br><br>PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947 |                       |          |
| Initial Calibration Stds |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                       |          |
| CCC                      |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                       |          |
| Internal Standard/PEM    |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                       |          |
| ICV/I.BLK                |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                       |          |
| Surrogate Standard       |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                       |          |
| MS/MSD Standard          |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                       |          |
| LCS Standard             |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                       |          |

|    |              |              |            |                   |            |       |      |
|----|--------------|--------------|------------|-------------------|------------|-------|------|
| 18 | I.BLK        | I.BLK        | PO109939.D | 17 Mar 2025 17:42 |            | YP/AJ | Ok   |
| 19 | PB167173BL   | PB167173BL   | PO109940.D | 17 Mar 2025 18:01 |            | YP/AJ | Ok   |
| 20 | PB167173BS   | PB167173BS   | PO109941.D | 17 Mar 2025 18:19 |            | YP/AJ | Ok   |
| 21 | Q1589-01     | KMH809G-1-1  | PO109942.D | 17 Mar 2025 18:38 |            | YP/AJ | Ok,M |
| 22 | Q1589-02     | KMH809G-1-2  | PO109943.D | 17 Mar 2025 18:55 |            | YP/AJ | Ok   |
| 23 | Q1589-03     | KMH809G-2-1  | PO109944.D | 17 Mar 2025 19:13 |            | YP/AJ | Ok,M |
| 24 | Q1589-04     | KMH809G-2-2  | PO109945.D | 17 Mar 2025 19:32 |            | YP/AJ | Ok   |
| 25 | Q1589-05     | 0036-1-1     | PO109946.D | 17 Mar 2025 19:50 |            | YP/AJ | Ok,M |
| 26 | Q1589-06     | 0036-1-2     | PO109947.D | 17 Mar 2025 20:08 |            | YP/AJ | Ok   |
| 27 | Q1589-07     | 9040-1-1     | PO109948.D | 17 Mar 2025 20:27 |            | YP/AJ | Ok,M |
| 28 | Q1589-08     | 9040-1-2     | PO109949.D | 17 Mar 2025 20:45 |            | YP/AJ | Ok,M |
| 29 | AR1660CCC500 | AR1660CCC500 | PO109950.D | 17 Mar 2025 22:43 |            | YP/AJ | Ok   |
| 30 | AR1242CCC500 | AR1242CCC500 | PO109951.D | 17 Mar 2025 23:38 |            | YP/AJ | Ok   |
| 31 | AR1248CCC500 | AR1248CCC500 | PO109952.D | 17 Mar 2025 23:57 |            | YP/AJ | Ok   |
| 32 | AR1254CCC500 | AR1254CCC500 | PO109953.D | 18 Mar 2025 00:15 |            | YP/AJ | Ok,M |
| 33 | I.BLK        | I.BLK        | PO109954.D | 18 Mar 2025 00:33 |            | YP/AJ | Ok   |
| 34 | Q1589-09     | HIH340T-1-1  | PO109955.D | 18 Mar 2025 00:52 | AR1254 Hit | YP/AJ | Ok,M |
| 35 | Q1589-10     | HIH340T-1-2  | PO109956.D | 18 Mar 2025 01:10 | AR1254 Hit | YP/AJ | Ok,M |
| 36 | AR1660CCC500 | AR1660CCC500 | PO109957.D | 18 Mar 2025 03:07 |            | YP/AJ | Ok   |

Instrument ID: ECD\_O

**Daily Analysis Runlog For Sequence/QC Batch ID # PO031725**

| Review By                | yogesh                                                                                                                                                                                                                                                                                                                                  | Review On         | 3/17/2025 11:37:36 AM         |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|-------------------------------|
| Supervise By             | mohammad                                                                                                                                                                                                                                                                                                                                | Supervise On      | 3/19/2025 6:44:23 AM          |
| SubDirectory             | PO031725                                                                                                                                                                                                                                                                                                                                | HP Acquire Method | HP Processing Method PO022025 |
| STD. NAME                | STD REF.#                                                                                                                                                                                                                                                                                                                               |                   |                               |
| Tune/Reschk              | PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,P<br>P23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP<br>23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775 |                   |                               |
| Initial Calibration Stds |                                                                                                                                                                                                                                                                                                                                         |                   |                               |
| CCC                      |                                                                                                                                                                                                                                                                                                                                         |                   |                               |
| Internal Standard/PEM    |                                                                                                                                                                                                                                                                                                                                         |                   |                               |
| ICV/I.BLK                |                                                                                                                                                                                                                                                                                                                                         |                   |                               |
| Surrogate Standard       |                                                                                                                                                                                                                                                                                                                                         |                   |                               |
| MS/MSD Standard          |                                                                                                                                                                                                                                                                                                                                         |                   |                               |
| LCS Standard             | PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773                                                                                                                                                                                                                                                                         |                   |                               |
|                          | PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947                                                                                                                                                                                                                                                                         |                   |                               |

|    |              |              |            |                   |  |       |      |
|----|--------------|--------------|------------|-------------------|--|-------|------|
| 37 | AR1242CCC500 | AR1242CCC500 | PO109958.D | 18 Mar 2025 04:03 |  | YP/AJ | Ok   |
| 38 | AR1248CCC500 | AR1248CCC500 | PO109959.D | 18 Mar 2025 04:21 |  | YP/AJ | Ok   |
| 39 | AR1254CCC500 | AR1254CCC500 | PO109960.D | 18 Mar 2025 04:39 |  | YP/AJ | Ok,M |
| 40 | I.BLK        | I.BLK        | PO109961.D | 18 Mar 2025 04:58 |  | YP/AJ | Ok   |

M : Manual Integration

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

Instrument ID: ECD\_P

**Daily Analysis Runlog For Sequence/QC Batch ID # PP031125**

|                          |                                                                                                                                                                                                                                                                                                                                 |                   |                               |
|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|-------------------------------|
| Review By                | yogesh                                                                                                                                                                                                                                                                                                                          | Review On         | 3/12/2025 7:57:33 AM          |
| Supervise By             | mohammad                                                                                                                                                                                                                                                                                                                        | Supervise On      | 3/19/2025 6:54:29 AM          |
| SubDirectory             | PP031125                                                                                                                                                                                                                                                                                                                        | HP Acquire Method | HP Processing Method PP031125 |
| <b>STD. NAME</b>         | <b>STD REF.#</b>                                                                                                                                                                                                                                                                                                                |                   |                               |
| Tune/Reschk              |                                                                                                                                                                                                                                                                                                                                 |                   |                               |
| Initial Calibration Stds | PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775 |                   |                               |
| CCC                      | PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773                                                                                                                                                                                                                                                                 |                   |                               |
| Internal Standard/PEM    |                                                                                                                                                                                                                                                                                                                                 |                   |                               |
| ICV/I.BLK                | PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947                                                                                                                                                                                                                                                                 |                   |                               |
| Surrogate Standard       |                                                                                                                                                                                                                                                                                                                                 |                   |                               |
| MS/MSD Standard          |                                                                                                                                                                                                                                                                                                                                 |                   |                               |
| LCS Standard             |                                                                                                                                                                                                                                                                                                                                 |                   |                               |

| Sr# | SampleId      | ClientID      | Data File Name | Date-Time         | Comment | Operator | Status |
|-----|---------------|---------------|----------------|-------------------|---------|----------|--------|
| 1   | HEXANE        | HEXANE        | PP070417.D     | 11 Mar 2025 14:41 |         | YPIAJ    | Ok     |
| 2   | I.BLK         | I.BLK         | PP070418.D     | 11 Mar 2025 14:57 |         | YPIAJ    | Ok     |
| 3   | AR1660ICC1000 | AR1660ICC1000 | PP070419.D     | 11 Mar 2025 15:13 |         | YPIAJ    | Ok     |
| 4   | AR1660ICC750  | AR1660ICC750  | PP070420.D     | 11 Mar 2025 15:29 |         | YPIAJ    | Ok     |
| 5   | AR1660ICC500  | AR1660ICC500  | PP070421.D     | 11 Mar 2025 15:46 |         | YPIAJ    | Ok     |
| 6   | AR1660ICC250  | AR1660ICC250  | PP070422.D     | 11 Mar 2025 16:02 |         | YPIAJ    | Ok,M   |
| 7   | AR1660ICC050  | AR1660ICC050  | PP070423.D     | 11 Mar 2025 16:18 |         | YPIAJ    | Ok,M   |
| 8   | AR1221ICC500  | AR1221ICC500  | PP070424.D     | 11 Mar 2025 16:34 |         | YPIAJ    | Ok     |
| 9   | AR1232ICC1000 | AR1232ICC1000 | PP070425.D     | 11 Mar 2025 16:51 |         | YPIAJ    | Ok     |
| 10  | AR1232ICC750  | AR1232ICC750  | PP070426.D     | 11 Mar 2025 17:07 |         | YPIAJ    | Ok     |
| 11  | AR1232ICC500  | AR1232ICC500  | PP070427.D     | 11 Mar 2025 17:23 |         | YPIAJ    | Ok     |
| 12  | AR1232ICC250  | AR1232ICC250  | PP070428.D     | 11 Mar 2025 17:40 |         | YPIAJ    | Ok,M   |
| 13  | AR1232ICC050  | AR1232ICC050  | PP070429.D     | 11 Mar 2025 17:56 |         | YPIAJ    | Ok,M   |
| 14  | AR1242ICC1000 | AR1242ICC1000 | PP070430.D     | 11 Mar 2025 18:12 |         | YPIAJ    | Ok     |
| 15  | AR1242ICC750  | AR1242ICC750  | PP070431.D     | 11 Mar 2025 18:28 |         | YPIAJ    | Ok     |
| 16  | AR1242ICC500  | AR1242ICC500  | PP070432.D     | 11 Mar 2025 18:45 |         | YPIAJ    | Ok     |
| 17  | AR1242ICC250  | AR1242ICC250  | PP070433.D     | 11 Mar 2025 19:01 |         | YPIAJ    | Ok     |
| 18  | AR1242ICC050  | AR1242ICC050  | PP070434.D     | 11 Mar 2025 19:17 |         | YPIAJ    | Ok,M   |

Instrument ID: ECD\_P

**Daily Analysis Runlog For Sequence/QC Batch ID # PP031125**

| Review By                | yogesh                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Review On         | 3/12/2025 7:57:33 AM          |
|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|-------------------------------|
| Supervise By             | mohammad                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Supervise On      | 3/19/2025 6:54:29 AM          |
| SubDirectory             | PP031125                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | HP Acquire Method | HP Processing Method PP031125 |
| STD. NAME                | STD REF.#                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                   |                               |
| Tune/Reschk              | PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,P<br>P23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP<br>23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775<br><br>PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773<br><br>PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947 |                   |                               |
| Initial Calibration Stds |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                   |                               |
| CCC                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                   |                               |
| Internal Standard/PEM    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                   |                               |
| ICV/I.BLK                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                   |                               |
| Surrogate Standard       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                   |                               |
| MS/MSD Standard          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                   |                               |
| LCS Standard             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                   |                               |

|    |                |                   |            |                   |  |       |      |
|----|----------------|-------------------|------------|-------------------|--|-------|------|
| 19 | AR1248ICC1000  | AR1248ICC1000     | PP070435.D | 11 Mar 2025 19:34 |  | YPIAJ | Ok   |
| 20 | AR1248ICC750   | AR1248ICC750      | PP070436.D | 11 Mar 2025 19:50 |  | YPIAJ | Ok   |
| 21 | AR1248ICC500   | AR1248ICC500      | PP070437.D | 11 Mar 2025 20:06 |  | YPIAJ | Ok   |
| 22 | AR1248ICC250   | AR1248ICC250      | PP070438.D | 11 Mar 2025 20:22 |  | YPIAJ | Ok   |
| 23 | AR1248ICC050   | AR1248ICC050      | PP070439.D | 11 Mar 2025 20:39 |  | YPIAJ | Ok,M |
| 24 | AR1254ICC1000  | AR1254ICC1000     | PP070440.D | 11 Mar 2025 20:55 |  | YPIAJ | Ok   |
| 25 | AR1254ICC750   | AR1254ICC750      | PP070441.D | 11 Mar 2025 21:11 |  | YPIAJ | Ok   |
| 26 | AR1254ICC500   | AR1254ICC500      | PP070442.D | 11 Mar 2025 21:28 |  | YPIAJ | Ok   |
| 27 | AR1254ICC250   | AR1254ICC250      | PP070443.D | 11 Mar 2025 21:44 |  | YPIAJ | Ok   |
| 28 | AR1254ICC050   | AR1254ICC050      | PP070444.D | 11 Mar 2025 22:00 |  | YPIAJ | Ok   |
| 29 | AR1262ICC500   | AR1262ICC500      | PP070445.D | 11 Mar 2025 22:16 |  | YPIAJ | Ok   |
| 30 | AR1268ICC1000  | AR1268ICC1000     | PP070446.D | 11 Mar 2025 22:33 |  | YPIAJ | Ok   |
| 31 | AR1268ICC750   | AR1268ICC750      | PP070447.D | 11 Mar 2025 22:49 |  | YPIAJ | Ok   |
| 32 | AR1268ICC500   | AR1268ICC500      | PP070448.D | 11 Mar 2025 23:05 |  | YPIAJ | Ok   |
| 33 | AR1268ICC250   | AR1268ICC250      | PP070449.D | 11 Mar 2025 23:22 |  | YPIAJ | Ok   |
| 34 | AR1268ICC050   | AR1268ICC050      | PP070450.D | 11 Mar 2025 23:38 |  | YPIAJ | Ok,M |
| 35 | PP031125ICV500 | ICVPP031125       | PP070451.D | 11 Mar 2025 23:54 |  | YPIAJ | Ok   |
| 36 | AR1232ICV500   | ICVPP031125AR1232 | PP070452.D | 12 Mar 2025 00:10 |  | YPIAJ | Ok   |
| 37 | AR1242ICV500   | ICVPP031125AR1242 | PP070453.D | 12 Mar 2025 00:27 |  | YPIAJ | Ok   |

Instrument ID: ECD\_P

**Daily Analysis Runlog For Sequence/QC Batch ID # PP031125**

| Review By                | yogesh                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Review On         | 3/12/2025 7:57:33 AM          |
|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|-------------------------------|
| Supervise By             | mohammad                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Supervise On      | 3/19/2025 6:54:29 AM          |
| SubDirectory             | PP031125                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | HP Acquire Method | HP Processing Method PP031125 |
| STD. NAME                | STD REF.#                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                   |                               |
| Tune/Reschk              | PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,P<br>P23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP<br>23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775<br><br>PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773<br><br>PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947 |                   |                               |
| Initial Calibration Stds |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                   |                               |
| CCC                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                   |                               |
| Internal Standard/PEM    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                   |                               |
| ICV/I.BLK                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                   |                               |
| Surrogate Standard       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                   |                               |
| MS/MSD Standard          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                   |                               |
| LCS Standard             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                   |                               |

|    |              |                   |            |                   |            |       |      |
|----|--------------|-------------------|------------|-------------------|------------|-------|------|
| 38 | AR1248ICV500 | ICVPP031125AR1248 | PP070454.D | 12 Mar 2025 00:43 |            | YPIAJ | Ok   |
| 39 | AR1254ICV500 | ICVPP031125AR1254 | PP070455.D | 12 Mar 2025 00:59 |            | YPIAJ | Ok   |
| 40 | AR1268ICV500 | ICVPP031125AR1268 | PP070456.D | 12 Mar 2025 01:16 |            | YPIAJ | Ok   |
| 41 | AR1660CCC500 | AR1660CCC500      | PP070457.D | 12 Mar 2025 01:32 |            | YPIAJ | Ok   |
| 42 | AR1232CCC500 | AR1232CCC500      | PP070458.D | 12 Mar 2025 01:48 |            | YPIAJ | Ok   |
| 43 | AR1242CCC500 | AR1242CCC500      | PP070459.D | 12 Mar 2025 02:04 |            | YPIAJ | Ok   |
| 44 | I.BLK        | I.BLK             | PP070460.D | 12 Mar 2025 02:21 |            | YPIAJ | Ok   |
| 45 | PB167066BL   | PB167066BL        | PP070461.D | 12 Mar 2025 02:37 |            | YPIAJ | Ok   |
| 46 | Q1502-15     | PT-PCBW-WP        | PP070462.D | 12 Mar 2025 02:53 | AR1232 HIT | YPIAJ | Ok   |
| 47 | AR1660CCC500 | AR1660CCC500      | PP070463.D | 12 Mar 2025 03:09 |            | YPIAJ | Ok   |
| 48 | AR1232CCC500 | AR1232CCC500      | PP070464.D | 12 Mar 2025 03:26 |            | YPIAJ | Ok   |
| 49 | AR1242CCC500 | AR1242CCC500      | PP070465.D | 12 Mar 2025 03:42 |            | YPIAJ | Ok,M |
| 50 | I.BLK        | I.BLK             | PP070466.D | 12 Mar 2025 03:58 |            | YPIAJ | Ok   |

M : Manual Integration



Instrument ID: ECD\_P

**Daily Analysis Runlog For Sequence/QC Batch ID # PP031425**

|                          |                                                                                                                                                                                                                                                                                                                                         |                   |                               |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|-------------------------------|
| Review By                | yogesh                                                                                                                                                                                                                                                                                                                                  | Review On         | 3/17/2025 8:24:56 AM          |
| Supervise By             | mohammad                                                                                                                                                                                                                                                                                                                                | Supervise On      | 3/19/2025 6:39:12 AM          |
| SubDirectory             | PP031425                                                                                                                                                                                                                                                                                                                                | HP Acquire Method | HP Processing Method PP031125 |
| <b>STD. NAME</b>         | <b>STD REF.#</b>                                                                                                                                                                                                                                                                                                                        |                   |                               |
| Tune/Reschk              |                                                                                                                                                                                                                                                                                                                                         |                   |                               |
| Initial Calibration Stds | PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,P<br>P23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP<br>23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775 |                   |                               |
| CCC                      | PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773                                                                                                                                                                                                                                                                         |                   |                               |
| Internal Standard/PEM    |                                                                                                                                                                                                                                                                                                                                         |                   |                               |
| ICV/I.BLK                | PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947                                                                                                                                                                                                                                                                         |                   |                               |
| Surrogate Standard       |                                                                                                                                                                                                                                                                                                                                         |                   |                               |
| MS/MSD Standard          |                                                                                                                                                                                                                                                                                                                                         |                   |                               |
| LCS Standard             |                                                                                                                                                                                                                                                                                                                                         |                   |                               |

| Sr# | SampleId     | ClientID     | Data File Name | Date-Time         | Comment | Operator | Status |
|-----|--------------|--------------|----------------|-------------------|---------|----------|--------|
| 1   | HEXANE       | HEXANE       | PP070499.D     | 14 Mar 2025 07:42 |         | YP\AJ    | Ok     |
| 2   | AR1660CCC500 | AR1660CCC500 | PP070500.D     | 14 Mar 2025 07:58 |         | YP\AJ    | Ok,M   |
| 3   | AR1242CCC500 | AR1242CCC500 | PP070501.D     | 14 Mar 2025 08:14 |         | YP\AJ    | Ok     |
| 4   | AR1248CCC500 | AR1248CCC500 | PP070502.D     | 14 Mar 2025 08:31 |         | YP\AJ    | Ok     |
| 5   | AR1254CCC500 | AR1254CCC500 | PP070503.D     | 14 Mar 2025 08:47 |         | YP\AJ    | Ok     |
| 6   | I.BLK        | I.BLK        | PP070504.D     | 14 Mar 2025 09:03 |         | YP\AJ    | Ok     |
| 7   | PB167130BL   | PB167130BL   | PP070505.D     | 14 Mar 2025 09:21 |         | YP\AJ    | Ok     |
| 8   | PB167130BS   | PB167130BS   | PP070506.D     | 14 Mar 2025 09:37 |         | YP\AJ    | Ok     |
| 9   | Q1562-01     | BC271227-1-1 | PP070507.D     | 14 Mar 2025 09:53 |         | YP\AJ    | Ok,M   |
| 10  | Q1562-02     | BC271227-1-2 | PP070508.D     | 14 Mar 2025 10:09 |         | YP\AJ    | Ok,M   |
| 11  | Q1562-03     | BC271227-2-1 | PP070509.D     | 14 Mar 2025 10:26 |         | YP\AJ    | Ok,M   |
| 12  | Q1562-04     | BC271227-2-2 | PP070510.D     | 14 Mar 2025 10:42 |         | YP\AJ    | Ok,M   |
| 13  | Q1562-05     | EFB643W-1-1  | PP070511.D     | 14 Mar 2025 10:58 |         | YP\AJ    | Ok,M   |
| 14  | Q1562-06     | EFB643W-1-2  | PP070512.D     | 14 Mar 2025 11:14 |         | YP\AJ    | Ok,M   |
| 15  | Q1562-07     | GHA524R-1-1  | PP070513.D     | 14 Mar 2025 11:31 |         | YP\AJ    | Ok,M   |
| 16  | Q1562-08     | GHA524R-1-2  | PP070514.D     | 14 Mar 2025 11:47 |         | YP\AJ    | Ok,M   |
| 17  | AR1660CCC500 | AR1660CCC500 | PP070515.D     | 14 Mar 2025 12:36 |         | YP\AJ    | Ok,M   |
| 18  | AR1242CCC500 | AR1242CCC500 | PP070516.D     | 14 Mar 2025 12:52 |         | YP\AJ    | Ok     |

Instrument ID: ECD\_P

**Daily Analysis Runlog For Sequence/QC Batch ID # PP031425**

| Review By                | yogesh                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Review On         | 3/17/2025 8:24:56 AM          |
|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|-------------------------------|
| Supervise By             | mohammad                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Supervise On      | 3/19/2025 6:39:12 AM          |
| SubDirectory             | PP031425                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | HP Acquire Method | HP Processing Method PP031125 |
| STD. NAME                | STD REF.#                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                   |                               |
| Tune/Reschk              | PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,P<br>P23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP<br>23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775<br><br>PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773<br><br>PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947 |                   |                               |
| Initial Calibration Stds |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                   |                               |
| CCC                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                   |                               |
| Internal Standard/PEM    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                   |                               |
| ICV/I.BLK                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                   |                               |
| Surrogate Standard       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                   |                               |
| MS/MSD Standard          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                   |                               |
| LCS Standard             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                   |                               |

|    |              |                  |            |                   |  |       |      |
|----|--------------|------------------|------------|-------------------|--|-------|------|
| 19 | AR1248CCC500 | AR1248CCC500     | PP070517.D | 14 Mar 2025 13:08 |  | YPIAJ | Ok   |
| 20 | AR1254CCC500 | AR1254CCC500     | PP070518.D | 14 Mar 2025 13:24 |  | YPIAJ | Ok   |
| 21 | I.BLK        | I.BLK            | PP070519.D | 14 Mar 2025 13:41 |  | YPIAJ | Ok   |
| 22 | Q1564-04     | BC258874-1-2     | PP070520.D | 14 Mar 2025 13:57 |  | YPIAJ | Ok,M |
| 23 | Q1564-05     | BC226751-1-1     | PP070521.D | 14 Mar 2025 14:13 |  | YPIAJ | Ok,M |
| 24 | Q1564-06     | BC226751-1-2     | PP070522.D | 14 Mar 2025 14:29 |  | YPIAJ | Ok,M |
| 25 | Q1564-01     | BC247799-1-1     | PP070523.D | 14 Mar 2025 14:45 |  | YPIAJ | Ok,M |
| 26 | Q1564-02     | BC247799-1-2     | PP070524.D | 14 Mar 2025 15:02 |  | YPIAJ | Ok,M |
| 27 | Q1564-03     | BC258874-1-1     | PP070525.D | 14 Mar 2025 15:18 |  | YPIAJ | Ok,M |
| 28 | PB167139BL   | PB167139BL       | PP070526.D | 14 Mar 2025 15:34 |  | YPIAJ | Ok   |
| 29 | PB167139BS   | PB167139BS       | PP070527.D | 14 Mar 2025 15:50 |  | YPIAJ | Ok   |
| 30 | PB167139BSD  | PB167139BSD      | PP070528.D | 14 Mar 2025 16:06 |  | YPIAJ | Ok   |
| 31 | AR1660CCC500 | AR1660CCC500     | PP070529.D | 14 Mar 2025 16:55 |  | YPIAJ | Ok   |
| 32 | AR1242CCC500 | AR1242CCC500     | PP070530.D | 14 Mar 2025 17:11 |  | YPIAJ | Ok   |
| 33 | AR1248CCC500 | AR1248CCC500     | PP070531.D | 14 Mar 2025 17:28 |  | YPIAJ | Ok   |
| 34 | AR1254CCC500 | AR1254CCC500     | PP070532.D | 14 Mar 2025 17:44 |  | YPIAJ | Ok   |
| 35 | I.BLK        | I.BLK            | PP070533.D | 14 Mar 2025 18:00 |  | YPIAJ | Ok   |
| 36 | Q1553-03     | FRAC-TANK-FMI120 | PP070534.D | 14 Mar 2025 18:16 |  | YPIAJ | Ok,M |
| 37 | Q1563-01     | 437              | PP070535.D | 14 Mar 2025 18:33 |  | YPIAJ | Ok   |

Instrument ID: ECD\_P

**Daily Analysis Runlog For Sequence/QC Batch ID # PP031425**

|                          |                                                                                                                                                                                                                                                                                                                                         |                   |                               |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|-------------------------------|
| Review By                | yogesh                                                                                                                                                                                                                                                                                                                                  | Review On         | 3/17/2025 8:24:56 AM          |
| Supervise By             | mohammad                                                                                                                                                                                                                                                                                                                                | Supervise On      | 3/19/2025 6:39:12 AM          |
| SubDirectory             | PP031425                                                                                                                                                                                                                                                                                                                                | HP Acquire Method | HP Processing Method PP031125 |
| <b>STD. NAME</b>         | <b>STD REF.#</b>                                                                                                                                                                                                                                                                                                                        |                   |                               |
| Tune/Reschk              |                                                                                                                                                                                                                                                                                                                                         |                   |                               |
| Initial Calibration Stds | PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,P<br>P23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP<br>23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775 |                   |                               |
| CCC                      | PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773                                                                                                                                                                                                                                                                         |                   |                               |
| Internal Standard/PEM    |                                                                                                                                                                                                                                                                                                                                         |                   |                               |
| ICV/I.BLK                | PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947                                                                                                                                                                                                                                                                         |                   |                               |
| Surrogate Standard       |                                                                                                                                                                                                                                                                                                                                         |                   |                               |
| MS/MSD Standard          |                                                                                                                                                                                                                                                                                                                                         |                   |                               |
| LCS Standard             |                                                                                                                                                                                                                                                                                                                                         |                   |                               |

|    |              |                     |            |                   |                                                                          |       |          |
|----|--------------|---------------------|------------|-------------------|--------------------------------------------------------------------------|-------|----------|
| 38 | Q1563-02     | FERNOT-WATER        | PP070536.D | 14 Mar 2025 18:49 |                                                                          | YPIAJ | Ok,M     |
| 39 | PB167136BL   | PB167136BL          | PP070537.D | 14 Mar 2025 19:05 |                                                                          | YPIAJ | Ok       |
| 40 | PB167136BS   | PB167136BS          | PP070538.D | 14 Mar 2025 19:21 |                                                                          | YPIAJ | Ok       |
| 41 | Q1566-01     | CTWK-COMP           | PP070539.D | 14 Mar 2025 19:38 |                                                                          | YPIAJ | Ok       |
| 42 | Q1568-01     | JC-03-03132025      | PP070540.D | 14 Mar 2025 19:54 |                                                                          | YPIAJ | Ok       |
| 43 | Q1568-01MS   | JC-03-03132025MS    | PP070541.D | 14 Mar 2025 20:10 |                                                                          | YPIAJ | Ok       |
| 44 | Q1568-01MSD  | JC-03-03132025MSD   | PP070542.D | 14 Mar 2025 20:26 |                                                                          | YPIAJ | Ok,M     |
| 45 | AR1660CCC500 | AR1660CCC500        | PP070543.D | 14 Mar 2025 21:15 |                                                                          | YPIAJ | Ok       |
| 46 | AR1242CCC500 | AR1242CCC500        | PP070544.D | 14 Mar 2025 21:31 |                                                                          | YPIAJ | Ok,M     |
| 47 | AR1248CCC500 | AR1248CCC500        | PP070545.D | 14 Mar 2025 21:48 |                                                                          | YPIAJ | Ok       |
| 48 | AR1254CCC500 | AR1254CCC500        | PP070546.D | 14 Mar 2025 22:04 |                                                                          | YPIAJ | Ok       |
| 49 | I.BLK        | I.BLK               | PP070547.D | 14 Mar 2025 22:20 |                                                                          | YPIAJ | Ok       |
| 50 | PB167143BL   | PB167143BL          | PP070548.D | 14 Mar 2025 22:36 |                                                                          | YPIAJ | Ok       |
| 51 | PB167143BS   | PB167143BS          | PP070549.D | 14 Mar 2025 22:52 |                                                                          | YPIAJ | Ok,M     |
| 52 | Q1569-01     | TAP-IDW-SOIL-031325 | PP070550.D | 14 Mar 2025 23:09 |                                                                          | YPIAJ | Ok       |
| 53 | Q1569-04     | TAP-IDW-SOIL-031325 | PP070551.D | 14 Mar 2025 23:25 |                                                                          | YPIAJ | Ok,M     |
| 54 | Q1572-01     | C0AC9               | PP070552.D | 14 Mar 2025 23:41 | DCB high in 2nd column ,<br>AR1260 AR1248 Hit , Need<br>dilution 10X,50X | YPIAJ | Dilution |
| 55 | Q1572-02     | C0O14               | PP070553.D | 14 Mar 2025 23:57 | AR1260 AR1248 Hit , Need<br>dilution 10X,50X                             | YPIAJ | Dilution |

Instrument ID: ECD\_P

**Daily Analysis Runlog For Sequence/QC Batch ID # PP031425**

|                          |                                                                                                                                                                                                                                                                                                                                         |                   |                               |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|-------------------------------|
| Review By                | yogesh                                                                                                                                                                                                                                                                                                                                  | Review On         | 3/17/2025 8:24:56 AM          |
| Supervise By             | mohammad                                                                                                                                                                                                                                                                                                                                | Supervise On      | 3/19/2025 6:39:12 AM          |
| SubDirectory             | PP031425                                                                                                                                                                                                                                                                                                                                | HP Acquire Method | HP Processing Method PP031125 |
| <b>STD. NAME</b>         | <b>STD REF.#</b>                                                                                                                                                                                                                                                                                                                        |                   |                               |
| Tune/Reschk              |                                                                                                                                                                                                                                                                                                                                         |                   |                               |
| Initial Calibration Stds | PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,P<br>P23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP<br>23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775 |                   |                               |
| CCC                      | PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773                                                                                                                                                                                                                                                                         |                   |                               |
| Internal Standard/PEM    |                                                                                                                                                                                                                                                                                                                                         |                   |                               |
| ICV/I.BLK                | PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947                                                                                                                                                                                                                                                                         |                   |                               |
| Surrogate Standard       |                                                                                                                                                                                                                                                                                                                                         |                   |                               |
| MS/MSD Standard          |                                                                                                                                                                                                                                                                                                                                         |                   |                               |
| LCS Standard             |                                                                                                                                                                                                                                                                                                                                         |                   |                               |

|    |              |              |            |                   |                                                                           |       |          |
|----|--------------|--------------|------------|-------------------|---------------------------------------------------------------------------|-------|----------|
| 56 | Q1572-03     | C0015        | PP070554.D | 15 Mar 2025 00:14 | AR1260 AR1248 Hit , Need<br>dilution 5X,25X                               | YPIAJ | Dilution |
| 57 | Q1572-04     | C0016        | PP070555.D | 15 Mar 2025 00:30 | DCB high in 2nd column ,<br>AR1260 AR1248 Hit , Need<br>dilution 5X,50X   | YPIAJ | Dilution |
| 58 | Q1572-05     | C0017        | PP070556.D | 15 Mar 2025 00:46 | DCB high in 2nd column ,<br>AR1260 AR1248 Hit , Need<br>dilution 10X,100X | YPIAJ | Dilution |
| 59 | Q1572-07     | C0019        | PP070557.D | 15 Mar 2025 01:02 | AR1260 AR1248 Hit , Need<br>dilution 10X                                  | YPIAJ | Dilution |
| 60 | AR1660CCC500 | AR1660CCC500 | PP070558.D | 15 Mar 2025 01:51 |                                                                           | YPIAJ | Ok       |
| 61 | AR1242CCC500 | AR1242CCC500 | PP070559.D | 15 Mar 2025 02:07 |                                                                           | YPIAJ | Ok       |
| 62 | AR1248CCC500 | AR1248CCC500 | PP070560.D | 15 Mar 2025 02:24 |                                                                           | YPIAJ | Ok       |
| 63 | AR1254CCC500 | AR1254CCC500 | PP070561.D | 15 Mar 2025 02:40 |                                                                           | YPIAJ | Ok       |
| 64 | I.BLK        | I.BLK        | PP070562.D | 15 Mar 2025 02:56 |                                                                           | YPIAJ | Ok       |
| 65 | Q1572-06     | C0018        | PP070563.D | 15 Mar 2025 03:12 | AR1260 AR1248 Hit , Need<br>dilution 5X,50X                               | YPIAJ | Dilution |
| 66 | Q1572-06MS   | C0018MS      | PP070564.D | 15 Mar 2025 03:29 | AR1016 and AR1260 Recovery<br>fail                                        | YPIAJ | Ok,M     |
| 67 | Q1572-06MSD  | C0018MSD     | PP070565.D | 15 Mar 2025 03:45 | AR1016 and AR1260 Recovery<br>fail                                        | YPIAJ | Ok,M     |
| 68 | Q1572-08     | C0020        | PP070566.D | 15 Mar 2025 04:01 | DCB high in 2nd column ,<br>AR1248 Hit ,Need dilution 10X                 | YPIAJ | Dilution |
| 69 | Q1572-09     | C0021        | PP070567.D | 15 Mar 2025 04:17 | AR1248 Hit , Need dilution 50X                                            | YPIAJ | Dilution |
| 70 | AR1660CCC500 | AR1660CCC500 | PP070568.D | 15 Mar 2025 05:06 |                                                                           | YPIAJ | Ok       |
| 71 | AR1242CCC500 | AR1242CCC500 | PP070569.D | 15 Mar 2025 05:22 |                                                                           | YPIAJ | Ok       |

Instrument ID: ECD\_P

**Daily Analysis Runlog For Sequence/QC Batch ID # PP031425**

| Review By                | yogesh                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Review On         | 3/17/2025 8:24:56 AM                  |
|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|---------------------------------------|
| Supervise By             | mohammad                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Supervise On      | 3/19/2025 6:39:12 AM                  |
| SubDirectory             | PP031425                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | HP Acquire Method | HP Processing Method PP031125         |
| STD. NAME                | STD REF.#                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                   |                                       |
| Tune/Reschk              | PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,P<br>P23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP<br>23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775<br><br>PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773<br><br>PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947 |                   |                                       |
| Initial Calibration Stds |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                   |                                       |
| CCC                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                   |                                       |
| Internal Standard/PEM    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                   |                                       |
| ICV/I.BLK                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                   |                                       |
| Surrogate Standard       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                   |                                       |
| MS/MSD Standard          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                   |                                       |
| LCS Standard             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                   |                                       |
| 72                       | AR1248CCC500                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | AR1248CCC500      | PP070570.D 15 Mar 2025 05:39 YP\AJ Ok |
| 73                       | AR1254CCC500                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | AR1254CCC500      | PP070571.D 15 Mar 2025 05:55 YP\AJ Ok |
| 74                       | I.BLK                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | I.BLK             | PP070572.D 15 Mar 2025 06:11 YP\AJ Ok |

M : Manual Integration

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SOP ID: M3541-ASE Extraction-14

Clean Up SOP #: Acid Cleanup

Matrix : Solid

Welgh By: EH

Balance check: RJ

Balance ID: EX-SC-2

pH Strip Lot#: N/A

Extraction By: RJ

Filter By: RJ

pH Meter ID: N/A

Hood ID: 3,7

Extraction Start Date : 03/14/2025

Extraction Start Time : 12:25

Extraction End Date : 03/14/2025

Extraction End Time : 15:25

Concentration By: EH

Supervisor By : RUPESH

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

| Standard Name | MLS USED | Concentration ug/mL | STD REF. # FROM LOG |
|---------------|----------|---------------------|---------------------|
| Spike Sol 1   | 1.0ML    | 5000 PPB            | PP24209             |
| Surrogate     | 1.0ML    | 200 PPB             | PP24217             |
| N/A           | N/A      | N/A                 | N/A                 |
| N/A           | N/A      | N/A                 | N/A                 |
| N/A           | N/A      | N/A                 | N/A                 |

| Chemical Used      | ML/SAMPLE USED | Lot Number |
|--------------------|----------------|------------|
| Hexane/Acetone/1:1 | N/A            | EP2592     |
| Baked Na2SO4       | N/A            | EP2593     |
| Sand               | N/A            | E2865      |
| Hexane             | N/A            | E3877      |
| H2SO4 1:1          | N/A            | EP2565     |
| N/A                | N/A            | N/A        |
| N/A                | N/A            | N/A        |
| N/A                | N/A            | N/A        |
| N/A                | N/A            | N/A        |
| N/A                | N/A            | N/A        |
| N/A                | N/A            | N/A        |
| N/A                | N/A            | N/A        |
| N/A                | N/A            | N/A        |
| N/A                | N/A            | N/A        |
| N/A                | N/A            | N/A        |

Extraction Conformance/Non-Conformance Comments:

40 ML Vial lot# 03-40 BTS721.

KD Bath ID: N/A

KD Bath Temperature: N/A

Envap ID: NEVAP-02

Envap Temperature: 40 °C

| Date / Time | Prepped Sample Relinquished By/Location | Received By/Location |
|-------------|-----------------------------------------|----------------------|
| 3/14/25     | RS (Ext- Lab)                           | T-Prest / PLS        |
| 15:30       | Preparation Group                       | Analysis Group       |

Analytical Method: M3541-ASE Extraction-14

Concentration Date: 03/14/2025

| Sample ID    | Client Sample ID       | Test       | g/mL  | PH  | Surr/Spike By: |            | Final Vol.<br>(mL) | JarID | Comments | Prep<br>Pos |
|--------------|------------------------|------------|-------|-----|----------------|------------|--------------------|-------|----------|-------------|
|              |                        |            |       |     | AddedBy        | VerifiedBy |                    |       |          |             |
| PB167143BL   | ABLK143                | PCB Group1 | 30.01 | N/A | ritesh         | Evelyn     | 10                 |       |          | U2-1        |
| PB167143BS   | ALCS143                | PCB Group1 | 30.03 | N/A | ritesh         | Evelyn     | 10                 |       |          | 2           |
| Q1569-01     | TAP-IDW-SOIL-031325-01 | PCB        | 30.07 | N/A | ritesh         | Evelyn     | 10                 | B     | Sludge   | 3           |
| Q1569-04     | TAP-IDW-SOIL-031325-02 | PCB        | 30.03 | N/A | ritesh         | Evelyn     | 10                 | B     | Sludge   | 4           |
| Q1572-01     | C0AC9                  | PCB Group1 | 30.06 | N/A | ritesh         | Evelyn     | 10                 |       |          | 5           |
| Q1572-02     | C0014                  | PCB Group1 | 30.02 | N/A | ritesh         | Evelyn     | 10                 |       |          | 6           |
| Q1572-03     | C0015                  | PCB Group1 | 30.10 | N/A | ritesh         | Evelyn     | 10                 |       |          | U3-1        |
| Q1572-04     | C0016                  | PCB Group1 | 30.08 | N/A | ritesh         | Evelyn     | 10                 |       |          | 2           |
| Q1572-05     | C0017                  | PCB Group1 | 30.05 | N/A | ritesh         | Evelyn     | 10                 |       |          | 3           |
| Q1572-06     | C0018                  | PCB Group1 | 30.03 | N/A | ritesh         | Evelyn     | 10                 |       |          | 4           |
| Q1572-06MS   | C0018MS                | PCB Group1 | 30.07 | N/A | ritesh         | Evelyn     | 10                 |       |          | 5           |
| Q1572-06MS D | C0018MSD               | PCB Group1 | 30.09 | N/A | ritesh         | Evelyn     | 10                 |       |          | 6           |
| Q1572-07     | C0019                  | PCB Group1 | 30.01 | N/A | ritesh         | Evelyn     | 10                 |       |          | U6-1        |
| Q1572-08     | C0020                  | PCB Group1 | 30.04 | N/A | ritesh         | Evelyn     | 10                 |       |          | 2           |
| Q1572-09     | C0021                  | PCB Group1 | 30.08 | N/A | ritesh         | Evelyn     | 10                 |       |          | 3           |
| Q1572-10     | C0022                  | PCB Group1 | 30.05 | N/A | ritesh         | Evelyn     | 10                 |       |          | 4           |
| Q1572-11     | C0023                  | PCB Group1 | 30.03 | N/A | ritesh         | Evelyn     | 10                 |       |          | 5           |
| Q1572-12     | C0024                  | PCB Group1 | 30.09 | N/A | ritesh         | Evelyn     | 10                 |       |          | 6           |
| Q1572-13     | C0025                  | PCB Group1 | 30.06 | N/A | ritesh         | Evelyn     | 10                 |       |          | U7-1        |
| Q1572-14     | C0026                  | PCB Group1 | 30.03 | N/A | ritesh         | Evelyn     | 10                 |       |          | 2           |
| Q1572-15     | C0027                  | PCB Group1 | 30.07 | N/A | ritesh         | Evelyn     | 10                 |       |          | 3           |
| Q1572-16     | C0028                  | PCB Group1 | 30.09 | N/A | ritesh         | Evelyn     | 10                 |       |          | 4           |
| Q1574-01     | WC1                    | PCB        | 30.05 | N/A | ritesh         | Evelyn     | 10                 | C     |          | 5           |




\* Extracts relinquished on the same date as received.



191425  
12:55

# WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q1572      WorkList ID : 188289      Department : Extraction      Date : 03-14-2025 12:16:04

| Sample   | Customer Sample        | Matrix | Test       | Preservative | Customer | Raw Sample Storage Location | Collect Date | Method |
|----------|------------------------|--------|------------|--------------|----------|-----------------------------|--------------|--------|
| Q1569-01 | TAP-IDW-SOIL-031325-01 | Solid  | PCB        | Cool 4 deg C | WEST04   | I33                         | 03/13/2025   | 8082A  |
| Q1569-04 | TAP-IDW-SOIL-031325-02 | Solid  | PCB        | Cool 4 deg C | WEST04   |                             | 03/13/2025   | 8082A  |
| Q1572-01 | C00AC9                 | Solid  | PCB Group1 | Cool 4 deg C | TETR16   | I31                         | 03/12/2025   | 8082A  |
| Q1572-02 | C0014                  | Solid  | PCB Group1 | Cool 4 deg C | TETR16   | I31                         | 03/12/2025   | 8082A  |
| Q1572-03 | C0015                  | Solid  | PCB Group1 | Cool 4 deg C | TETR16   | I31                         | 03/12/2025   | 8082A  |
| Q1572-04 | C0016                  | Solid  | PCB Group1 | Cool 4 deg C | TETR16   | I31                         | 03/12/2025   | 8082A  |
| Q1572-05 | C0017                  | Solid  | PCB Group1 | Cool 4 deg C | TETR16   | I31                         | 03/12/2025   | 8082A  |
| Q1572-06 | C0018                  | Solid  | PCB Group1 | Cool 4 deg C | TETR16   | I31                         | 03/12/2025   | 8082A  |
| Q1572-07 | C0019                  | Solid  | PCB Group1 | Cool 4 deg C | TETR16   | I31                         | 03/12/2025   | 8082A  |
| Q1572-08 | C0020                  | Solid  | PCB Group1 | Cool 4 deg C | TETR16   | I31                         | 03/12/2025   | 8082A  |
| Q1572-09 | C0021                  | Solid  | PCB Group1 | Cool 4 deg C | TETR16   | I31                         | 03/12/2025   | 8082A  |
| Q1572-10 | C0022                  | Solid  | PCB Group1 | Cool 4 deg C | TETR16   | I31                         | 03/12/2025   | 8082A  |
| Q1572-11 | C0023                  | Solid  | PCB Group1 | Cool 4 deg C | TETR16   | I31                         | 03/12/2025   | 8082A  |
| Q1572-12 | C0024                  | Solid  | PCB Group1 | Cool 4 deg C | TETR16   | I31                         | 03/12/2025   | 8082A  |
| Q1572-13 | C0025                  | Solid  | PCB Group1 | Cool 4 deg C | TETR16   | I31                         | 03/12/2025   | 8082A  |
| Q1572-14 | C0026                  | Solid  | PCB Group1 | Cool 4 deg C | TETR16   | I31                         | 03/12/2025   | 8082A  |
| Q1572-15 | C0027                  | Solid  | PCB Group1 | Cool 4 deg C | TETR16   | I31                         | 03/12/2025   | 8082A  |
| Q1572-16 | C0028                  | Solid  | PCB Group1 | Cool 4 deg C | TETR16   | I31                         | 03/12/2025   | 8082A  |
| Q1574-01 | WC1                    | Solid  | PCB        | Cool 4 deg C | GENV01   | I41                         | 03/12/2025   | 8082A  |

Date/Time      3/14/25      12:20  
Raw Sample Received by:      RJC (Ext Lab)  
Raw Sample Relinquished by:      OP sm

Date/Time      3/14/25      12:55  
Raw Sample Received by:      OP sm  
Raw Sample Relinquished by:      RJC (Ext Lab)

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## LAB CHRONICLE

|                 |                 |                   |                       |
|-----------------|-----------------|-------------------|-----------------------|
| <b>OrderID:</b> | Q1574           | <b>OrderDate:</b> | 3/14/2025 11:25:00 AM |
| <b>Client:</b>  | G Environmental | <b>Project:</b>   | Ave L                 |
| <b>Contact:</b> | Gary Landis     | <b>Location:</b>  | I41,VOA Ref. #2 Soil  |

| LabID             | ClientID     | Matrix      | Test | Method | Sample Date     | Prep Date | Anal Date | Received        |
|-------------------|--------------|-------------|------|--------|-----------------|-----------|-----------|-----------------|
| <b>Q1574-01</b>   | <b>WC1</b>   | <b>SOIL</b> | PCB  | 8082A  | <b>03/12/25</b> | 03/14/25  | 03/17/25  | <b>03/14/25</b> |
| <b>Q1574-01DL</b> | <b>WC1DL</b> | <b>SOIL</b> | PCB  | 8082A  | <b>03/12/25</b> | 03/14/25  | 03/17/25  | <b>03/14/25</b> |



# SAMPLE DATA

## Report of Analysis

|                    |                     |                 |              |
|--------------------|---------------------|-----------------|--------------|
| Client:            | G Environmental     | Date Collected: | 03/12/25     |
| Project:           | Ave L               | Date Received:  | 03/14/25     |
| Client Sample ID:  | WC1                 | SDG No.:        | Q1574        |
| Lab Sample ID:     | Q1574-01            | Matrix:         | Solid        |
| Analytical Method: | NJEPH               | % Solid:        | 98           |
| Sample Wt/Vol:     | 30.09      Units: g | Final Vol:      | 2000      uL |
| Soil Aliquot Vol:  | uL                  | Test:           | EPH          |
| Prep Method :      |                     |                 |              |

|                |                 |               |
|----------------|-----------------|---------------|
| Prep Date :    | Date Analyzed : | Prep Batch ID |
| 03/19/25 15:00 | 03/20/25 13:59  | PB167231      |

Datafile

| CAS Number         | Parameter          | Conc. | Qualifier | Dilution | MDL  | LOQ / CRQL | Units(Dry Weight) |
|--------------------|--------------------|-------|-----------|----------|------|------------|-------------------|
| <b>TARGETS</b>     |                    |       |           |          |      |            |                   |
| Aliphatic C9-C12   | Aliphatic C9-C12   | 2.32  |           | 1        | 0.14 | 1.02       | mg/kg FF015699.D  |
| Aliphatic C12-C16  | Aliphatic C12-C16  | 1.35  |           | 1        | 0.11 | 0.68       | mg/kg FF015699.D  |
| Aliphatic C16-C21  | Aliphatic C16-C21  | 48.1  |           | 10       | 1.32 | 10.2       | mg/kg FF015703.D  |
| Aliphatic C21-C28  | Aliphatic C21-C28  | 779   |           | 50       | 27.0 | 67.8       | mg/kg FF015704.D  |
| Aliphatic C28-C40  | Aliphatic C28-C40  | 841   |           | 50       | 60.0 | 101        | mg/kg FF015704.D  |
| Aromatic C10-C12   | Aromatic C10-C12   | 4.33  |           | 1        | 0.12 | 0.68       | mg/kg FG015516.D  |
| Aromatic C12-C16   | Aromatic C12-C16   | 4.55  |           | 1        | 0.23 | 1.02       | mg/kg FG015516.D  |
| Aromatic C16-C21   | Aromatic C16-C21   | 10.0  |           | 1        | 0.41 | 1.70       | mg/kg FG015516.D  |
| Aromatic C21-C36   | Aromatic C21-C36   | 5140  |           | 250      | 302  | 678        | mg/kg FG015521.D  |
| Total AliphaticEPH | Total AliphaticEPH | 1670  |           |          | 88.6 | 181        | mg/kg             |
| Total AromaticEPH  | Total AromaticEPH  | 5160  |           |          | 303  | 681        | mg/kg             |
| Total EPH          | Total EPH          | 6830  |           |          | 391  | 862        | mg/kg             |

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control 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

## Report of Analysis

|                    |                        |                 |                      |
|--------------------|------------------------|-----------------|----------------------|
| Client:            | G Environmental        | Date Collected: | 03/12/25             |
| Project:           | Ave L                  | Date Received:  | 03/14/25             |
| Client Sample ID:  | WC1                    | SDG No.:        | Q1574                |
| Lab Sample ID:     | Q1574-01               | Matrix:         | Solid                |
| Analytical Method: | NJEPH                  | % Solid:        | 98                   |
| Sample Wt/Vol:     | 30.09      Units:    g | Final Vol:      | 2000              uL |
| Soil Aliquot Vol:  | uL                     | Test:           | EPH                  |
| Prep Method :      |                        |                 |                      |

|            |           |             |                 |               |
|------------|-----------|-------------|-----------------|---------------|
| File ID :  | Dilution: | Prep Date : | Date Analyzed : | Prep Batch ID |
| FF015699.D | 1         | 03/19/25    | 03/20/25        | PB167231      |

| CAS Number        | Parameter                 | Conc. | Qualifier | MDL      | LOQ / CRQL | Units   |
|-------------------|---------------------------|-------|-----------|----------|------------|---------|
| <b>TARGETS</b>    |                           |       |           |          |            |         |
| Aliphatic C9-C12  | Aliphatic C9-C12          | 2.32  |           | 0.14     | 1.02       | mg/kg   |
| Aliphatic C12-C16 | Aliphatic C12-C16         | 1.35  |           | 0.11     | 0.68       | mg/kg   |
| Aliphatic C16-C21 | Aliphatic C16-C21         | 52.6  | E         | 0.13     | 1.02       | mg/kg   |
| Aliphatic C21-C28 | Aliphatic C21-C28         | 643   | E         | 0.54     | 1.36       | mg/kg   |
| Aliphatic C28-C40 | Aliphatic C28-C40         | 760   | E         | 1.20     | 2.03       | mg/kg   |
| <b>SURROGATES</b> |                           |       |           |          |            |         |
| 3383-33-2         | 1-chlorooctadecane (SURR) | 57.4  |           | 40 - 140 | 115%       | SPK: 50 |
| 84-15-1           | ortho-Terphenyl (SURR)    | 0.00  |           | 40 - 140 | 0%         | SPK: 50 |



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

**Quantitation Report For Aliphatic EPH Range.**

|                   |            |                    |                   |
|-------------------|------------|--------------------|-------------------|
| Lab Sample ID:    | Q1574-01   | Acq On:            | 20 Mar 2025 13:59 |
| Client Sample ID: | WC1        | Operator:          | YP\AJ             |
| Data file:        | FF015699.D | Misc:              |                   |
| Instrument:       | FID_F      | ALS Vial:          | 74                |
| Dilution Factor:  | 1          | Sample Multiplier: | 1.00              |

| Compound                  | R.T.   |        | Response   | Conc    | highest_standard | Units |
|---------------------------|--------|--------|------------|---------|------------------|-------|
| Aliphatic C9-C12          | 3.210  | 6.833  | 4393564    | 34.2    | 300              | ug/ml |
| Aliphatic C12-C16         | 6.834  | 10.268 | 2620444    | 19.91   | 200              | ug/ml |
| Aliphatic C16-C21         | 10.269 | 13.635 | 104931728  | 775.122 | 300              | ug/ml |
| Aliphatic C21-C28         | 13.636 | 17.299 | 1255702496 | 9490    | 400              | ug/ml |
| Aliphatic C28-C40         | 17.300 | 22.199 | 1213036900 | 11200   | 600              | ug/ml |
| Aliphatic EPH             | 3.210  | 22.199 | 2580685132 | 21500   |                  | ug/ml |
| ortho-Terphenyl (SURR)    | 0.000  | 0.000  | 0          | 0       |                  | ug/ml |
| 1-chlorooctadecane (SURR) | 13.378 | 13.378 | 6519038    | 57.44   |                  | ug/ml |
| Aliphatic C9-C28          | 3.210  | 17.299 | 1367648232 | 10300   | 1200             | ug/ml |

## Report of Analysis

|                    |                        |                 |                      |
|--------------------|------------------------|-----------------|----------------------|
| Client:            | G Environmental        | Date Collected: | 03/12/25             |
| Project:           | Ave L                  | Date Received:  | 03/14/25             |
| Client Sample ID:  | WC1                    | SDG No.:        | Q1574                |
| Lab Sample ID:     | Q1574-01               | Matrix:         | Solid                |
| Analytical Method: | NJEPH                  | % Solid:        | 98                   |
| Sample Wt/Vol:     | 30.09      Units:    g | Final Vol:      | 2000              uL |
| Soil Aliquot Vol:  | uL                     | Test:           | EPH                  |
| Prep Method :      |                        |                 |                      |

|            |           |             |                 |               |
|------------|-----------|-------------|-----------------|---------------|
| File ID :  | Dilution: | Prep Date : | Date Analyzed : | Prep Batch ID |
| FG015516.D | 1         | 03/19/25    | 03/20/25        | PB167231      |

| CAS Number        | Parameter                 | Conc. | Qualifier | MDL      | LOQ / CRQL | Units   |
|-------------------|---------------------------|-------|-----------|----------|------------|---------|
| <b>TARGETS</b>    |                           |       |           |          |            |         |
| Aromatic C10-C12  | Aromatic C10-C12          | 4.33  |           | 0.12     | 0.68       | mg/kg   |
| Aromatic C12-C16  | Aromatic C12-C16          | 4.55  |           | 0.23     | 1.02       | mg/kg   |
| Aromatic C16-C21  | Aromatic C16-C21          | 10.0  |           | 0.41     | 1.70       | mg/kg   |
| Aromatic C21-C36  | Aromatic C21-C36          | 5470  | E         | 1.21     | 2.71       | mg/kg   |
| <b>SURROGATES</b> |                           |       |           |          |            |         |
| 580-13-2          | 2-Bromonaphthalene (SURR) | 50.9  |           | 40 - 140 | 102%       | SPK: 50 |
| 321-60-8          | 2-Fluorobiphenyl (SURR)   | 47.8  |           | 40 - 140 | 96%        | SPK: 50 |
| 84-15-1           | ortho-Terphenyl (SURR)    | 28.1  |           | 40 - 140 | 56%        | SPK: 50 |

## Quantitation Report For Aromatic EPH Range.

|                   |            |                    |                   |
|-------------------|------------|--------------------|-------------------|
| Lab Sample ID:    | Q1574-01   | Acq On:            | 20 Mar 2025 13:59 |
| Client Sample ID: | WC1        | Operator:          | YP\AJ             |
| Data file:        | FG015516.D | Misc:              |                   |
| Instrument:       | FID_G      | ALS Vial:          | 24                |
| Dilution Factor:  | 1          | Sample Multiplier: | 1.00              |

| Compound                  | R.T.   |        | Response    | Conc    | highest_standard | Units |
|---------------------------|--------|--------|-------------|---------|------------------|-------|
| Aromatic C10-C12          | 4.457  | 6.336  | 8559667     | 63.88   | 200              | ug/ml |
| Aromatic C12-C16          | 6.337  | 9.043  | 9205900     | 67.122  | 300              | ug/ml |
| Aromatic C16-C21          | 9.044  | 13.372 | 20634275    | 148.011 | 500              | ug/ml |
| Aromatic C21-C36          | 13.373 | 18.832 | 10490992147 | 80600   | 800              | ug/ml |
| Aromatic EPH              | 4.457  | 18.832 | 10529391989 | 80900   |                  | ug/ml |
| 2-Bromonaphthalene (SURR) | 7.968  | 7.968  | 6217170     | 50.9    |                  | ug/ml |
| 2-Fluorobiphenyl (SURR)   | 8.845  | 8.845  | 3950549     | 47.79   |                  | ug/ml |
| ortho-Terphenyl (SURR)    | 11.938 | 11.938 | 4104130     | 28.14   |                  | ug/ml |

## Report of Analysis

|                    |                        |                 |                      |
|--------------------|------------------------|-----------------|----------------------|
| Client:            | G Environmental        | Date Collected: | 03/12/25             |
| Project:           | Ave L                  | Date Received:  | 03/14/25             |
| Client Sample ID:  | WC1DL                  | SDG No.:        | Q1574                |
| Lab Sample ID:     | Q1574-01DL             | Matrix:         | Solid                |
| Analytical Method: | NJEPH                  | % Solid:        | 98                   |
| Sample Wt/Vol:     | 30.09      Units:    g | Final Vol:      | 2000              uL |
| Soil Aliquot Vol:  | uL                     | Test:           | EPH                  |
| Prep Method :      |                        |                 |                      |

|            |           |             |                 |               |
|------------|-----------|-------------|-----------------|---------------|
| File ID :  | Dilution: | Prep Date : | Date Analyzed : | Prep Batch ID |
| FF015703.D | 10        | 03/19/25    | 03/20/25        | PB167231      |

| CAS Number        | Parameter                 | Conc. | Qualifier | MDL      | LOQ / CRQL | Units   |
|-------------------|---------------------------|-------|-----------|----------|------------|---------|
| <b>TARGETS</b>    |                           |       |           |          |            |         |
| Aliphatic C9-C12  | Aliphatic C9-C12          | 1.42  | U         | 1.42     | 10.2       | mg/kg   |
| Aliphatic C12-C16 | Aliphatic C12-C16         | 1.12  | U         | 1.12     | 6.78       | mg/kg   |
| Aliphatic C16-C21 | Aliphatic C16-C21         | 48.1  |           | 1.32     | 10.2       | mg/kg   |
| Aliphatic C21-C28 | Aliphatic C21-C28         | 754   | E         | 5.39     | 13.6       | mg/kg   |
| Aliphatic C28-C40 | Aliphatic C28-C40         | 676   | E         | 12.0     | 20.3       | mg/kg   |
| <b>SURROGATES</b> |                           |       |           |          |            |         |
| 3383-33-2         | 1-chlorooctadecane (SURR) | 7.35  |           | 40 - 140 | 147%       | SPK: 50 |
| 84-15-1           | ortho-Terphenyl (SURR)    | 0.00  |           | 40 - 140 | 0%         | SPK: 50 |





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**Quantitation Report For Aliphatic EPH Range.**

|                   |            |                    |                   |
|-------------------|------------|--------------------|-------------------|
| Lab Sample ID:    | Q1574-01DL | Acq On:            | 20 Mar 2025 15:56 |
| Client Sample ID: | WC1DL      | Operator:          | YP\AJ             |
| Data file:        | FF015703.D | Misc:              |                   |
| Instrument:       | FID_F      | ALS Vial:          | 78                |
| Dilution Factor:  | 10         | Sample Multiplier: | 1.00              |

| Compound                  | R.T.   |        | Response  | Conc    | highest_standard | Units |
|---------------------------|--------|--------|-----------|---------|------------------|-------|
| Aliphatic C9-C12          | 3.210  | 6.833  | 293956    | 2.288   | 300              | ug/ml |
| Aliphatic C12-C16         | 6.834  | 10.268 | 265295    | 2.016   | 200              | ug/ml |
| Aliphatic C16-C21         | 10.269 | 13.635 | 9610133   | 70.989  | 300              | ug/ml |
| Aliphatic C21-C28         | 13.636 | 17.299 | 147186005 | 1110    | 400              | ug/ml |
| Aliphatic C28-C40         | 17.300 | 22.199 | 107855781 | 997.307 | 600              | ug/ml |
| Aliphatic EPH             | 3.210  | 22.199 | 265211170 | 2190    |                  | ug/ml |
| ortho-Terphenyl (SURR)    | 0.000  | 0.000  | 0         | 0       |                  | ug/ml |
| 1-chlorooctadecane (SURR) | 13.373 | 13.373 | 833744    | 7.35    |                  | ug/ml |
| Aliphatic C9-C28          | 3.210  | 17.299 | 157355389 | 1190    | 1200             | ug/ml |

## Report of Analysis

|                    |                        |                 |                      |
|--------------------|------------------------|-----------------|----------------------|
| Client:            | G Environmental        | Date Collected: | 03/12/25             |
| Project:           | Ave L                  | Date Received:  | 03/14/25             |
| Client Sample ID:  | WC1DL                  | SDG No.:        | Q1574                |
| Lab Sample ID:     | Q1574-01DL             | Matrix:         | Solid                |
| Analytical Method: | NJEPH                  | % Solid:        | 98                   |
| Sample Wt/Vol:     | 30.09      Units:    g | Final Vol:      | 2000              uL |
| Soil Aliquot Vol:  | uL                     | Test:           | EPH                  |
| Prep Method :      |                        |                 |                      |

|            |           |             |                 |               |
|------------|-----------|-------------|-----------------|---------------|
| File ID :  | Dilution: | Prep Date : | Date Analyzed : | Prep Batch ID |
| FG015521.D | 250       | 03/19/25    | 03/20/25        | PB167231      |

| CAS Number        | Parameter                 | Conc. | Qualifier | MDL      | LOQ / CRQL | Units   |
|-------------------|---------------------------|-------|-----------|----------|------------|---------|
| <b>TARGETS</b>    |                           |       |           |          |            |         |
| Aromatic C10-C12  | Aromatic C10-C12          | 30.5  | U         | 30.5     | 169        | mg/kg   |
| Aromatic C12-C16  | Aromatic C12-C16          | 58.5  | U         | 58.5     | 254        | mg/kg   |
| Aromatic C16-C21  | Aromatic C16-C21          | 101   | U         | 101      | 423        | mg/kg   |
| Aromatic C21-C36  | Aromatic C21-C36          | 5140  |           | 302      | 678        | mg/kg   |
| <b>SURROGATES</b> |                           |       |           |          |            |         |
| 580-13-2          | 2-Bromonaphthalene (SURR) | 0.00  |           | 40 - 140 | 0%         | SPK: 50 |
| 321-60-8          | 2-Fluorobiphenyl (SURR)   | 0.00  |           | 40 - 140 | 0%         | SPK: 50 |
| 84-15-1           | ortho-Terphenyl (SURR)    | 0.00  |           | 40 - 140 | 0%         | SPK: 50 |

## Quantitation Report For Aromatic EPH Range.

|                   |            |                    |                   |
|-------------------|------------|--------------------|-------------------|
| Lab Sample ID:    | Q1574-01DL | Acq On:            | 20 Mar 2025 16:26 |
| Client Sample ID: | WC1DL      | Operator:          | YP\AJ             |
| Data file:        | FG015521.D | Misc:              |                   |
| Instrument:       | FID_G      | ALS Vial:          | 29                |
| Dilution Factor:  | 250        | Sample Multiplier: | 1.00              |

| Compound                  | R.T.   |        | Response | Conc    | highest_standard | Units |
|---------------------------|--------|--------|----------|---------|------------------|-------|
| Aromatic C10-C12          | 4.457  | 6.336  | 45087    | 0.336   | 200              | ug/ml |
| Aromatic C12-C16          | 6.337  | 9.043  | 44251    | 0.323   | 300              | ug/ml |
| Aromatic C16-C21          | 9.044  | 13.372 | 33384    | 0.239   | 500              | ug/ml |
| Aromatic C21-C36          | 13.373 | 18.832 | 39459324 | 303.081 | 800              | ug/ml |
| Aromatic EPH              | 4.457  | 18.832 | 39582046 | 303.98  |                  | ug/ml |
| 2-Bromonaphthalene (SURR) | 0.000  | 0.000  | 0        | 0       |                  | ug/ml |
| 2-Fluorobiphenyl (SURR)   | 0.000  | 0.000  | 0        | 0       |                  | ug/ml |
| ortho-Terphenyl (SURR)    | 0.000  | 0.000  | 0        | 0       |                  | ug/ml |

## Report of Analysis

|                    |                        |                 |                      |
|--------------------|------------------------|-----------------|----------------------|
| Client:            | G Environmental        | Date Collected: | 03/12/25             |
| Project:           | Ave L                  | Date Received:  | 03/14/25             |
| Client Sample ID:  | WC1DL2                 | SDG No.:        | Q1574                |
| Lab Sample ID:     | Q1574-01DL2            | Matrix:         | Solid                |
| Analytical Method: | NJEPH                  | % Solid:        | 98                   |
| Sample Wt/Vol:     | 30.09      Units:    g | Final Vol:      | 2000              uL |
| Soil Aliquot Vol:  | uL                     | Test:           | EPH                  |
| Prep Method :      |                        |                 |                      |

|            |           |             |                 |               |
|------------|-----------|-------------|-----------------|---------------|
| File ID :  | Dilution: | Prep Date : | Date Analyzed : | Prep Batch ID |
| FF015704.D | 50        | 03/19/25    | 03/20/25        | PB167231      |

| CAS Number        | Parameter                 | Conc. | Qualifier | MDL      | LOQ / CRQL | Units   |
|-------------------|---------------------------|-------|-----------|----------|------------|---------|
| <b>TARGETS</b>    |                           |       |           |          |            |         |
| Aliphatic C9-C12  | Aliphatic C9-C12          | 7.12  | U         | 7.12     | 50.9       | mg/kg   |
| Aliphatic C12-C16 | Aliphatic C12-C16         | 5.60  | U         | 5.60     | 33.9       | mg/kg   |
| Aliphatic C16-C21 | Aliphatic C16-C21         | 65.2  |           | 6.61     | 50.9       | mg/kg   |
| Aliphatic C21-C28 | Aliphatic C21-C28         | 779   |           | 27.0     | 67.8       | mg/kg   |
| Aliphatic C28-C40 | Aliphatic C28-C40         | 841   |           | 60.0     | 101        | mg/kg   |
| <b>SURROGATES</b> |                           |       |           |          |            |         |
| 3383-33-2         | 1-chlorooctadecane (SURR) | 1.14  |           | 40 - 140 | 114%       | SPK: 50 |
| 84-15-1           | ortho-Terphenyl (SURR)    | 0.00  |           | 40 - 140 | 0%         | SPK: 50 |



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**Quantitation Report For Aliphatic EPH Range.**

|                   |             |                    |                   |
|-------------------|-------------|--------------------|-------------------|
| Lab Sample ID:    | Q1574-01DL2 | Acq On:            | 20 Mar 2025 16:26 |
| Client Sample ID: | WC1DL2      | Operator:          | YP\AJ             |
| Data file:        | FF015704.D  | Misc:              |                   |
| Instrument:       | FID_F       | ALS Vial:          | 79                |
| Dilution Factor:  | 50          | Sample Multiplier: | 1.00              |

| Compound                  | R.T.   |        | Response | Conc    | highest_standard | Units |
|---------------------------|--------|--------|----------|---------|------------------|-------|
| Aliphatic C9-C12          | 3.210  | 6.833  | 8791     | 0.068   | 300              | ug/ml |
| Aliphatic C12-C16         | 6.834  | 10.268 | 0        | 0       | 200              | ug/ml |
| Aliphatic C16-C21         | 10.269 | 13.635 | 2603216  | 19.23   | 300              | ug/ml |
| Aliphatic C21-C28         | 13.636 | 17.299 | 30412316 | 229.912 | 400              | ug/ml |
| Aliphatic C28-C40         | 17.300 | 22.199 | 26821039 | 248.005 | 600              | ug/ml |
| Aliphatic EPH             | 3.210  | 22.199 | 59845362 | 497.215 |                  | ug/ml |
| ortho-Terphenyl (SURR)    | 0.000  | 0.000  | 0        | 0       |                  | ug/ml |
| 1-chlorooctadecane (SURR) | 13.374 | 13.374 | 129391   | 1.14    |                  | ug/ml |
| Aliphatic C9-C28          | 3.210  | 17.299 | 33024323 | 249.21  | 1200             | ug/ml |



# QC SUMMARY

SOIL EPH SURROGATE RECOVERY

Lab Name: CHEMTECH Contract: GENV01  
Lab Code: CHEM CASE No.: Q1574 SAS No.: Q1574 SDG No.: Q1574  
Run Number: FF032025AL

| Client<br>SAMPLE NO. | 1-chlorooctadecane (SURR) |  |  | TOT<br>OUT |
|----------------------|---------------------------|--|--|------------|
| PB167231BL           | 63                        |  |  | 0          |
| PB167231BS           | 78                        |  |  | 0          |
| PB167231BSD          | 79                        |  |  | 0          |
| WC1                  | 115                       |  |  | 0          |
| WC1DL                | 147 *                     |  |  | 1          |
| WC1DL2               | 114                       |  |  | 0          |
| WC1MS                | 87                        |  |  | 0          |
| WC1MSD               | 90                        |  |  | 0          |

QC LIMITS

1-chlorooctadecane (SURR)

(40-140)

# Column to be used to flag recovery values  
\* Values outside of contract required QC Limits  
D Surrogate diluted out

SOIL EPH SURROGATE RECOVERY

Lab Name: CHEMTECH Contract: GENV01  
Lab Code: CHEM CASE No.: Q1574 SAS No.: Q1574 SDG No.: Q1574  
Run Number: FG032025AR

| Client<br>SAMPLE NO. | 2-Bromonaphthalene (SURR) | 2-Flurobiphenyl (SURR) | ortho-Terphenyl (SURR) | TOT<br>OUT |
|----------------------|---------------------------|------------------------|------------------------|------------|
| PB167231BL           | 100                       | 73                     | 84                     | 0          |
| PB167231BS           | 101                       | 78                     | 85                     | 0          |
| PB167231BSD          | 116                       | 90                     | 98                     | 0          |
| WC1                  | 102                       | 96                     | 56                     | 0          |
| WC1DL                | 0 *                       | 0 *                    | 0 *                    | 3          |
| WC1MS                | 111                       | 96                     | 60                     | 0          |
| WC1MSD               | 109                       | 92                     | 52                     | 0          |

QC LIMITS

2-Bromonaphthalene (SURR) (40-140)  
2-Flurobiphenyl (SURR) (40-140)  
ortho-Terphenyl (SURR) (40-140)

# Column to be used to flag recovery values  
\* Values outside of contract required QC Limits  
D Surrogate diluted out





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SOIL EPH SURROGATE RECOVERY

- A
- B
- C
- D
- E
- F
- G
- H
- I
- J

QC LIMITS

|                           |          |
|---------------------------|----------|
| 2-Bromonaphthalene (SURR) | (40-140) |
| 2-Flurobiphenyl (SURR)    | (40-140) |
| ortho-Terphenyl (SURR)    | (40-140) |

# Column to be used to flag recovery values  
\* Values outside of contract required QC Limits  
D Surrogate diluted out

**SOLID EPH MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY**

**Lab Name:** Chemtech **Client:** G Environmental

**Lab Code:** CHEM **Cas No:** Q1574 **SAS No :** Q1574 **SDG No:** Q1574

**Sample No :** Q1574-01MS **Datafile:** FF015701.D

**Client ID :** WC1MS

| COMPOUND          | SPIKE<br>ADDED<br>mg/kg | SAMPLE<br>CONCENTRATION<br>mg/kg | MS/MSD<br>CONCENTRATION<br>mg/kg | % REC | Qual | QC LIMITS |
|-------------------|-------------------------|----------------------------------|----------------------------------|-------|------|-----------|
| Aliphatic C9-C12  | 10.2                    | 2.32                             | 8.80                             | 64    |      | (40-140)  |
| Aliphatic C12-C16 | 6.8                     | 1.35                             | 7.47                             | 90    |      | (40-140)  |
| Aliphatic C16-C21 | 10.2                    | 52.6                             | 71.8                             | 188   | *    | (40-140)  |
| Aliphatic C21-C28 | 13.6                    | 643                              | 867                              | 1641  | *    | (40-140)  |
| Aliphatic C28-C40 | 20.4                    | 760                              | 1140                             | 1845  | *    | (40-140)  |

**SOLID EPH MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY**

**Lab Name:** Chemtech **Client:** G Environmental

**Lab Code:** CHEM **Cas No:** Q1574 **SAS No :** Q1574 **SDG No:** Q1574

**Sample No :** Q1574-01MSD **Datafile:** FF015702.D

**Client ID :** WC1MSD

| COMPOUND          | SPIKE<br>ADDED<br>mg/kg | SAMPLE<br>CONCENTRATION<br>mg/kg | MS/MSD<br>CONCENTRATION<br>mg/kg | % REC | Qual | RPD   QC LIMITS QC Limit Of<br>RPD |
|-------------------|-------------------------|----------------------------------|----------------------------------|-------|------|------------------------------------|
| Aliphatic C9-C12  | 10.2                    | 2.32                             | 8.95                             | 65    |      | 2.33   (40-140) 25                 |
| Aliphatic C12-C16 | 6.8                     | 1.35                             | 7.39                             | 89    |      | 1.23   (40-140) 25                 |
| Aliphatic C16-C21 | 10.2                    | 52.6                             | 72.5                             | 195   | *    | 3.66   (40-140) 25                 |
| Aliphatic C21-C28 | 13.6                    | 643                              | 886                              | 1782  | *    | 8.24   (40-140) 25                 |
| Aliphatic C28-C40 | 20.4                    | 760                              | 1170                             | 2028  | *    | 9.45   (40-140) 25                 |

**SOLID EPH MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY**

**Lab Name:** Chemtech **Client:** G Environmental

**Lab Code:** CHEM **Cas No:** Q1574 **SAS No :** Q1574 **SDG No:** Q1574

**Sample No :** Q1574-01MS **Datafile:** FG015518.D

**Client ID :** WC1MS

| COMPOUND         | SPIKE<br>ADDED<br>mg/kg | SAMPLE<br>CONCENTRATION<br>mg/kg | MS/MSD<br>CONCENTRATION<br>mg/kg | % REC | Qual | QC LIMITS |
|------------------|-------------------------|----------------------------------|----------------------------------|-------|------|-----------|
| Aromatic C10-C12 | 6.8                     | 4.33                             | 10.1                             | 85    |      | (40-140)  |
| Aromatic C12-C16 | 10.2                    | 4.55                             | 16.5                             | 117   |      | (40-140)  |
| Aromatic C16-C21 | 17.0                    | 10.0                             | 18.9                             | 52    |      | (40-140)  |
| Aromatic C21-C36 | 27.2                    | 5470                             | 6990                             | 5601  | *    | (40-140)  |

**SOLID EPH MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY**

**Lab Name:** Chemtech **Client:** G Environmental

**Lab Code:** CHEM **Cas No:** Q1574 **SAS No :** Q1574 **SDG No:** Q1574

**Sample No :** Q1574-01MSD **Datafile:** FG015519.D

**Client ID :** WC1MSD

| COMPOUND         | SPIKE<br>ADDED<br>mg/kg | SAMPLE<br>CONCENTRATION<br>mg/kg | MS/MSD<br>CONCENTRATION<br>mg/kg | % REC | Qual | RPD   QC LIMITS QC Limit Of<br>RPD |
|------------------|-------------------------|----------------------------------|----------------------------------|-------|------|------------------------------------|
| Aromatic C10-C12 | 6.8                     | 4.33                             | 9.75                             | 80    |      | 6.19   (40-140) 25                 |
| Aromatic C12-C16 | 10.2                    | 4.55                             | 11.8                             | 71    |      | 48.8 *  (40-140) 25                |
| Aromatic C16-C21 | 17.0                    | 10.0                             | 20.5                             | 62    |      | 16   (40-140) 25                   |
| Aromatic C21-C36 | 27.2                    | 5470                             | 6750                             | 4736  | *    | 16.7   (40-140) 25                 |

**SOLID EPH LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY**

**Lab Name:** Chemtech **Client:** G Environmental  
**Lab Code:** CHEM **Cas No:** Q1574 **SAS No :** Q1574 **SDG No:** Q1574  
**Sample No :** PB167231BS **Datafile:** FF015697.D  
**Client ID :** PB167231BS

| COMPOUND          | SPIKE<br>ADDED<br>mg/kg | LCS/LCSD<br>CONCENTRATION<br>mg/kg | % REC | Qual | QC LIMITS |
|-------------------|-------------------------|------------------------------------|-------|------|-----------|
| Aliphatic C9-C12  | 10                      | 5.21                               | 52    |      | (40-140)  |
| Aliphatic C12-C16 | 6.7                     | 4.89                               | 73    |      | (40-140)  |
| Aliphatic C16-C21 | 10                      | 8.60                               | 86    |      | (40-140)  |
| Aliphatic C21-C28 | 13.3                    | 11.5                               | 86    |      | (40-140)  |
| Aliphatic C28-C40 | 20.0                    | 18.0                               | 90    |      | (40-140)  |

**SOLID EPH LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY**

**Lab Name:** Chemtech **Client:** G Environmental  
**Lab Code:** CHEM **Cas No:** Q1574 **SAS No :** Q1574 **SDG No:** Q1574  
**Sample No :** PB167231BSD **Datafile:** FF015698.D  
**Client ID :** PB167231BSD

| COMPOUND          | SPIKE<br>ADDED<br>mg/kg | LCS/LCSD<br>CONCENTRATION<br>mg/kg | % REC | Qual | RPD   QC LIMITS | QC Limit<br>Of RPD |
|-------------------|-------------------------|------------------------------------|-------|------|-----------------|--------------------|
| Aliphatic C9-C12  | 10.0                    | 5.24                               | 52    |      | 0.41   (40-140) | 50                 |
| Aliphatic C12-C16 | 6.7                     | 4.93                               | 74    |      | 0.77   (40-140) | 50                 |
| Aliphatic C16-C21 | 10.0                    | 8.66                               | 87    |      | 0.61   (40-140) | 50                 |
| Aliphatic C21-C28 | 13.3                    | 11.6                               | 87    |      | 0.84   (40-140) | 50                 |
| Aliphatic C28-C40 | 20.0                    | 18.5                               | 92    |      | 2.7   (40-140)  | 50                 |

**SOLID EPH LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY**

**Lab Name:** Chemtech **Client:** G Environmental  
**Lab Code:** CHEM **Cas No:** Q1574 **SAS No :** Q1574 **SDG No:** Q1574  
**Sample No :** PB167231BS **Datafile:** FG015514.D  
**Client ID :** PB167231BS

| COMPOUND         | SPIKE<br>ADDED<br>mg/kg | LCS/LCSD<br>CONCENTRATION<br>mg/kg | % REC | Qual | QC LIMITS |
|------------------|-------------------------|------------------------------------|-------|------|-----------|
| Aromatic C10-C12 | 6.7                     | 3.68                               | 55    |      | (40-140)  |
| Aromatic C12-C16 | 10                      | 7.25                               | 73    |      | (40-140)  |
| Aromatic C16-C21 | 16.7                    | 14.9                               | 90    |      | (40-140)  |
| Aromatic C21-C36 | 26.6                    | 26.3                               | 99    |      | (40-140)  |



**SOLID EPH LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY**

**Lab Name:** Chemtech **Client:** G Environmental  
**Lab Code:** CHEM **Cas No:** Q1574 **SAS No :** Q1574 **SDG No:** Q1574  
**Sample No :** PB167231BSD **Datafile:** FG015515.D  
**Client ID :** PB167231BSD

| COMPOUND         | SPIKE<br>ADDED<br>mg/kg | LCS/LCSD<br>CONCENTRATION<br>mg/kg | % REC | Qual | RPD   QC LIMITS | QC Limit<br>Of RPD |
|------------------|-------------------------|------------------------------------|-------|------|-----------------|--------------------|
| Aromatic C10-C12 | 6.7                     | 4.26                               | 64    |      | 14  (40-140)    | 50                 |
| Aromatic C12-C16 | 10.0                    | 8.37                               | 84    |      | 14  (40-140)    | 50                 |
| Aromatic C16-C21 | 16.7                    | 17.2                               | 103   |      | 14  (40-140)    | 50                 |
| Aromatic C21-C36 | 26.7                    | 30.7                               | 115   |      | 15  (40-140)    | 50                 |

4B  
METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB167231BL

Lab Name: CHEMTECH

Contract: GENV01

Lab Code: CHEM Case No.: Q1574

SAS No.: Q1574 SDG NO.: Q1574

Instrument ID: FID\_F

Lab Sample ID: PB167231BL

Matrix: (soil/water) Solid

Date Extracted: 3/19/2025 3:00:00 P

Level: (low/med) low

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

| EPA<br>SAMPLE NO. | LAB<br>SAMPLE ID |
|-------------------|------------------|
| PB167231BS        | PB167231BS       |
| PB167231BSD       | PB167231BSD      |
| WC1               | Q1574-01         |
| WC1MS             | Q1574-01MS       |
| WC1MSD            | Q1574-01MSD      |

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



# QC SAMPLE DATA

## Report of Analysis

|                    |                     |                 |              |
|--------------------|---------------------|-----------------|--------------|
| Client:            | G Environmental     | Date Collected: |              |
| Project:           | Ave L               | Date Received:  |              |
| Client Sample ID:  | PB167231BL          | SDG No.:        | Q1574        |
| Lab Sample ID:     | PB167231BL          | Matrix:         | Solid        |
| Analytical Method: | NJEPH               | % Solid:        | 100          |
| Sample Wt/Vol:     | 30.01      Units: g | Final Vol:      | 2000      uL |
| Soil Aliquot Vol:  | uL                  | Test:           | EPH          |
| Prep Method :      |                     |                 |              |

|                |                 |               |
|----------------|-----------------|---------------|
| Prep Date :    | Date Analyzed : | Prep Batch ID |
| 03/19/25 15:00 | 03/20/25 12:31  | PB167231      |

Datafile

| CAS Number         | Parameter          | Conc. | Qualifier | Dilution | MDL  | LOQ / CRQL | Units(Dry Weight) |            |
|--------------------|--------------------|-------|-----------|----------|------|------------|-------------------|------------|
| <b>TARGETS</b>     |                    |       |           |          |      |            |                   |            |
| Aliphatic C9-C12   | Aliphatic C9-C12   | 0.14  | U         | 1        | 0.14 | 1.00       | mg/kg             | FF015696.D |
| Aliphatic C12-C16  | Aliphatic C12-C16  | 0.11  | U         | 1        | 0.11 | 0.67       | mg/kg             | FF015696.D |
| Aliphatic C16-C21  | Aliphatic C16-C21  | 0.13  | U         | 1        | 0.13 | 1.00       | mg/kg             | FF015696.D |
| Aliphatic C21-C28  | Aliphatic C21-C28  | 0.53  | U         | 1        | 0.53 | 1.33       | mg/kg             | FF015696.D |
| Aliphatic C28-C40  | Aliphatic C28-C40  | 1.18  | U         | 1        | 1.18 | 2.00       | mg/kg             | FF015696.D |
| Aromatic C10-C12   | Aromatic C10-C12   | 0.12  | U         | 1        | 0.12 | 0.67       | mg/kg             | FG015513.D |
| Aromatic C12-C16   | Aromatic C12-C16   | 0.23  | U         | 1        | 0.23 | 1.00       | mg/kg             | FG015513.D |
| Aromatic C16-C21   | Aromatic C16-C21   | 0.40  | U         | 1        | 0.40 | 1.67       | mg/kg             | FG015513.D |
| Aromatic C21-C36   | Aromatic C21-C36   | 1.19  | U         | 1        | 1.19 | 2.67       | mg/kg             | FG015513.D |
| Total AliphaticEPH | Total AliphaticEPH | 2.09  | U         |          | 2.09 | 6.00       | mg/kg             |            |
| Total AromaticEPH  | Total AromaticEPH  | 1.94  | U         |          | 1.94 | 6.01       | mg/kg             |            |
| Total EPH          | Total EPH          | 4.03  | U         |          | 4.03 | 12.0       | mg/kg             |            |

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control 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

## Report of Analysis

|                    |                        |                 |                      |
|--------------------|------------------------|-----------------|----------------------|
| Client:            | G Environmental        | Date Collected: |                      |
| Project:           | Ave L                  | Date Received:  |                      |
| Client Sample ID:  | PB167231BL             | SDG No.:        | Q1574                |
| Lab Sample ID:     | PB167231BL             | Matrix:         | Solid                |
| Analytical Method: | NJEPH                  | % Solid:        | 100                  |
| Sample Wt/Vol:     | 30.01      Units:    g | Final Vol:      | 2000              uL |
| Soil Aliquot Vol:  | uL                     | Test:           | EPH                  |
| Prep Method :      |                        |                 |                      |

|            |           |             |                 |               |
|------------|-----------|-------------|-----------------|---------------|
| File ID :  | Dilution: | Prep Date : | Date Analyzed : | Prep Batch ID |
| FF015696.D | 1         | 03/19/25    | 03/20/25        | PB167231      |

| CAS Number        | Parameter                 | Conc. | Qualifier | MDL      | LOQ / CRQL | Units   |
|-------------------|---------------------------|-------|-----------|----------|------------|---------|
| <b>TARGETS</b>    |                           |       |           |          |            |         |
| Aliphatic C9-C12  | Aliphatic C9-C12          | 0.14  | U         | 0.14     | 1.00       | mg/kg   |
| Aliphatic C12-C16 | Aliphatic C12-C16         | 0.11  | U         | 0.11     | 0.67       | mg/kg   |
| Aliphatic C16-C21 | Aliphatic C16-C21         | 0.13  | U         | 0.13     | 1.00       | mg/kg   |
| Aliphatic C21-C28 | Aliphatic C21-C28         | 0.53  | U         | 0.53     | 1.33       | mg/kg   |
| Aliphatic C28-C40 | Aliphatic C28-C40         | 1.18  | U         | 1.18     | 2.00       | mg/kg   |
| <b>SURROGATES</b> |                           |       |           |          |            |         |
| 3383-33-2         | 1-chlorooctadecane (SURR) | 31.7  |           | 40 - 140 | 63%        | SPK: 50 |
| 84-15-1           | ortho-Terphenyl (SURR)    | 0.00  |           | 40 - 140 | 0%         | SPK: 50 |



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**Quantitation Report For Aliphatic EPH Range.**

|                   |            |                    |                   |
|-------------------|------------|--------------------|-------------------|
| Lab Sample ID:    | PB167231BL | Acq On:            | 20 Mar 2025 12:31 |
| Client Sample ID: | PB167231BL | Operator:          | YP\AJ             |
| Data file:        | FF015696.D | Misc:              |                   |
| Instrument:       | FID_F      | ALS Vial:          | 71                |
| Dilution Factor:  | 1          | Sample Multiplier: | 1.00              |

| Compound                  | R.T.   |        | Response | Conc  | highest_standard | Units |
|---------------------------|--------|--------|----------|-------|------------------|-------|
| Aliphatic C9-C12          | 3.210  | 6.833  | 0        | 0     | 300              | ug/ml |
| Aliphatic C12-C16         | 6.834  | 10.268 | 0        | 0     | 200              | ug/ml |
| Aliphatic C16-C21         | 10.269 | 13.635 | 0        | 0     | 300              | ug/ml |
| Aliphatic C21-C28         | 13.636 | 17.299 | 0        | 0     | 400              | ug/ml |
| Aliphatic C28-C40         | 17.300 | 22.199 | 0        | 0     | 600              | ug/ml |
| Aliphatic EPH             | 3.210  | 22.199 | 0        | 0     |                  | ug/ml |
| ortho-Terphenyl (SURR)    | 0.000  | 0.000  | 0        | 0     |                  | ug/ml |
| 1-chlorooctadecane (SURR) | 13.368 | 13.368 | 3596079  | 31.69 |                  | ug/ml |
| Aliphatic C9-C28          | 3.210  | 17.299 | 0        | 0     | 1200             | ug/ml |

## Report of Analysis

|                    |                        |                 |                      |
|--------------------|------------------------|-----------------|----------------------|
| Client:            | G Environmental        | Date Collected: |                      |
| Project:           | Ave L                  | Date Received:  |                      |
| Client Sample ID:  | PB167231BL             | SDG No.:        | Q1574                |
| Lab Sample ID:     | PB167231BL             | Matrix:         | Solid                |
| Analytical Method: | NJEPH                  | % Solid:        | 100                  |
| Sample Wt/Vol:     | 30.01      Units:    g | Final Vol:      | 2000              uL |
| Soil Aliquot Vol:  | uL                     | Test:           | EPH                  |
| Prep Method :      |                        |                 |                      |

|            |           |             |                 |               |
|------------|-----------|-------------|-----------------|---------------|
| File ID :  | Dilution: | Prep Date : | Date Analyzed : | Prep Batch ID |
| FG015513.D | 1         | 03/19/25    | 03/20/25        | PB167231      |

| CAS Number        | Parameter                 | Conc. | Qualifier | MDL      | LOQ / CRQL | Units   |
|-------------------|---------------------------|-------|-----------|----------|------------|---------|
| <b>TARGETS</b>    |                           |       |           |          |            |         |
| Aromatic C10-C12  | Aromatic C10-C12          | 0.12  | U         | 0.12     | 0.67       | mg/kg   |
| Aromatic C12-C16  | Aromatic C12-C16          | 0.23  | U         | 0.23     | 1.00       | mg/kg   |
| Aromatic C16-C21  | Aromatic C16-C21          | 0.40  | U         | 0.40     | 1.67       | mg/kg   |
| Aromatic C21-C36  | Aromatic C21-C36          | 1.19  | U         | 1.19     | 2.67       | mg/kg   |
| <b>SURROGATES</b> |                           |       |           |          |            |         |
| 580-13-2          | 2-Bromonaphthalene (SURR) | 50.0  |           | 40 - 140 | 100%       | SPK: 50 |
| 321-60-8          | 2-Fluorobiphenyl (SURR)   | 36.6  |           | 40 - 140 | 73%        | SPK: 50 |
| 84-15-1           | ortho-Terphenyl (SURR)    | 42.0  |           | 40 - 140 | 84%        | SPK: 50 |



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**Quantitation Report For Aromatic EPH Range.**

|                   |            |                    |                   |
|-------------------|------------|--------------------|-------------------|
| Lab Sample ID:    | PB167231BL | Acq On:            | 20 Mar 2025 12:31 |
| Client Sample ID: | PB167231BL | Operator:          | YP\AJ             |
| Data file:        | FG015513.D | Misc:              |                   |
| Instrument:       | FID_G      | ALS Vial:          | 21                |
| Dilution Factor:  | 1          | Sample Multiplier: | 1.00              |

| Compound                  | R.T.   |        | Response | Conc  | highest_standard | Units |
|---------------------------|--------|--------|----------|-------|------------------|-------|
| Aromatic C10-C12          | 4.457  | 6.336  | 0        | 0     | 200              | ug/ml |
| Aromatic C12-C16          | 6.337  | 9.043  | 0        | 0     | 300              | ug/ml |
| Aromatic C16-C21          | 9.044  | 13.372 | 0        | 0     | 500              | ug/ml |
| Aromatic C21-C36          | 13.373 | 18.832 | 0        | 0     | 800              | ug/ml |
| Aromatic EPH              | 4.457  | 18.832 | 0        | 0     |                  | ug/ml |
| ortho-Terphenyl (SURR)    | 11.920 | 11.920 | 6123660  | 41.99 |                  | ug/ml |
| 2-Bromonaphthalene (SURR) | 7.966  | 7.966  | 6105622  | 49.98 |                  | ug/ml |
| 2-Fluorobiphenyl (SURR)   | 8.842  | 8.842  | 3028647  | 36.64 |                  | ug/ml |



## Report of Analysis

|                    |                     |                 |              |
|--------------------|---------------------|-----------------|--------------|
| Client:            | G Environmental     | Date Collected: |              |
| Project:           | Ave L               | Date Received:  |              |
| Client Sample ID:  | PB167231BS          | SDG No.:        | Q1574        |
| Lab Sample ID:     | PB167231BS          | Matrix:         | Solid        |
| Analytical Method: | NJEPH               | % Solid:        | 100          |
| Sample Wt/Vol:     | 30.03      Units: g | Final Vol:      | 2000      uL |
| Soil Aliquot Vol:  | uL                  | Test:           | EPH          |
| Prep Method :      |                     |                 |              |

|                |                 |               |
|----------------|-----------------|---------------|
| Prep Date :    | Date Analyzed : | Prep Batch ID |
| 03/19/25 15:00 | 03/20/25 13:00  | PB167231      |

Datafile

| CAS Number         | Parameter          | Conc. | Qualifier | Dilution | MDL  | LOQ / CRQL | Units(Dry Weight) |
|--------------------|--------------------|-------|-----------|----------|------|------------|-------------------|
| <b>TARGETS</b>     |                    |       |           |          |      |            |                   |
| Aliphatic C9-C12   | Aliphatic C9-C12   | 5.21  |           | 1        | 0.14 | 1.00       | mg/kg FF015697.D  |
| Aliphatic C12-C16  | Aliphatic C12-C16  | 4.89  |           | 1        | 0.11 | 0.67       | mg/kg FF015697.D  |
| Aliphatic C16-C21  | Aliphatic C16-C21  | 8.60  |           | 1        | 0.13 | 1.00       | mg/kg FF015697.D  |
| Aliphatic C21-C28  | Aliphatic C21-C28  | 11.5  |           | 1        | 0.53 | 1.33       | mg/kg FF015697.D  |
| Aliphatic C28-C40  | Aliphatic C28-C40  | 18.0  |           | 1        | 1.18 | 2.00       | mg/kg FF015697.D  |
| Aromatic C10-C12   | Aromatic C10-C12   | 3.68  |           | 1        | 0.12 | 0.67       | mg/kg FG015514.D  |
| Aromatic C12-C16   | Aromatic C12-C16   | 7.25  |           | 1        | 0.23 | 1.00       | mg/kg FG015514.D  |
| Aromatic C16-C21   | Aromatic C16-C21   | 14.9  |           | 1        | 0.40 | 1.67       | mg/kg FG015514.D  |
| Aromatic C21-C36   | Aromatic C21-C36   | 26.3  |           | 1        | 1.19 | 2.66       | mg/kg FG015514.D  |
| Total AliphaticEPH | Total AliphaticEPH | 48.2  |           |          | 2.09 | 5.99       | mg/kg             |
| Total AromaticEPH  | Total AromaticEPH  | 52.1  |           |          | 1.94 | 6.00       | mg/kg             |
| Total EPH          | Total EPH          | 100   |           |          | 4.03 | 12.0       | mg/kg             |

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control 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

## Report of Analysis

|                    |                        |                 |                              |
|--------------------|------------------------|-----------------|------------------------------|
| Client:            | G Environmental        | Date Collected: |                              |
| Project:           | Ave L                  | Date Received:  |                              |
| Client Sample ID:  | PB167231BS             | SDG No.:        | Q1574                        |
| Lab Sample ID:     | PB167231BS             | Matrix:         | Solid                        |
| Analytical Method: | NJEPH                  | % Solid:        | 100                          |
| Sample Wt/Vol:     | 30.03      Units:    g | Final Vol:      | 2000                      uL |
| Soil Aliquot Vol:  | uL                     | Test:           | EPH                          |
| Prep Method :      |                        |                 |                              |

|            |           |             |                 |               |
|------------|-----------|-------------|-----------------|---------------|
| File ID :  | Dilution: | Prep Date : | Date Analyzed : | Prep Batch ID |
| FF015697.D | 1         | 03/19/25    | 03/20/25        | PB167231      |

| CAS Number        | Parameter                 | Conc.             | Qualifier | MDL      | LOQ / CRQL | Units   |
|-------------------|---------------------------|-------------------|-----------|----------|------------|---------|
| <b>TARGETS</b>    |                           |                   |           |          |            |         |
|                   | Aliphatic C9-C12          | Aliphatic C9-C12  | 5.21      | 0.14     | 1.00       | mg/kg   |
|                   | Aliphatic C12-C16         | Aliphatic C12-C16 | 4.89      | 0.11     | 0.67       | mg/kg   |
|                   | Aliphatic C16-C21         | Aliphatic C16-C21 | 8.60      | 0.13     | 1.00       | mg/kg   |
|                   | Aliphatic C21-C28         | Aliphatic C21-C28 | 11.5      | 0.53     | 1.33       | mg/kg   |
|                   | Aliphatic C28-C40         | Aliphatic C28-C40 | 18.0      | 1.18     | 2.00       | mg/kg   |
| <b>SURROGATES</b> |                           |                   |           |          |            |         |
| 3383-33-2         | 1-chlorooctadecane (SURR) | 39.0              |           | 40 - 140 | 78%        | SPK: 50 |
| 84-15-1           | ortho-Terphenyl (SURR)    | 0.00              |           | 40 - 140 | 0%         | SPK: 50 |



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**Quantitation Report For Aliphatic EPH Range.**

|                   |            |                    |                   |
|-------------------|------------|--------------------|-------------------|
| Lab Sample ID:    | PB167231BS | Acq On:            | 20 Mar 2025 13:00 |
| Client Sample ID: | PB167231BS | Operator:          | YP\AJ             |
| Data file:        | FF015697.D | Misc:              |                   |
| Instrument:       | FID_F      | ALS Vial:          | 72                |
| Dilution Factor:  | 1          | Sample Multiplier: | 1.00              |

| Compound                  | R.T.   |        | Response | Conc    | highest_standard | Units |
|---------------------------|--------|--------|----------|---------|------------------|-------|
| Aliphatic C9-C12          | 3.210  | 6.833  | 10052929 | 78.254  | 300              | ug/ml |
| Aliphatic C12-C16         | 6.834  | 10.268 | 9671226  | 73.482  | 200              | ug/ml |
| Aliphatic C16-C21         | 10.269 | 13.635 | 17483288 | 129.148 | 300              | ug/ml |
| Aliphatic C21-C28         | 13.636 | 17.299 | 22908555 | 173.185 | 400              | ug/ml |
| Aliphatic C28-C40         | 17.300 | 22.199 | 29231387 | 270.293 | 600              | ug/ml |
| Aliphatic EPH             | 3.210  | 22.199 | 89347385 | 724.361 |                  | ug/ml |
| ortho-Terphenyl (SURR)    | 0.000  | 0.000  | 0        | 0       |                  | ug/ml |
| 1-chlorooctadecane (SURR) | 13.370 | 13.370 | 4427027  | 39.01   |                  | ug/ml |
| Aliphatic C9-C28          | 3.210  | 17.299 | 60115998 | 454.069 | 1200             | ug/ml |

## Report of Analysis

|                    |                        |                 |                      |
|--------------------|------------------------|-----------------|----------------------|
| Client:            | G Environmental        | Date Collected: |                      |
| Project:           | Ave L                  | Date Received:  |                      |
| Client Sample ID:  | PB167231BS             | SDG No.:        | Q1574                |
| Lab Sample ID:     | PB167231BS             | Matrix:         | Solid                |
| Analytical Method: | NJEPH                  | % Solid:        | 100                  |
| Sample Wt/Vol:     | 30.03      Units:    g | Final Vol:      | 2000              uL |
| Soil Aliquot Vol:  | uL                     | Test:           | EPH                  |
| Prep Method :      |                        |                 |                      |

|            |           |             |                 |               |
|------------|-----------|-------------|-----------------|---------------|
| File ID :  | Dilution: | Prep Date : | Date Analyzed : | Prep Batch ID |
| FG015514.D | 1         | 03/19/25    | 03/20/25        | PB167231      |

| CAS Number        | Parameter                 | Conc. | Qualifier | MDL      | LOQ / CRQL | Units   |
|-------------------|---------------------------|-------|-----------|----------|------------|---------|
| <b>TARGETS</b>    |                           |       |           |          |            |         |
| Aromatic C10-C12  | Aromatic C10-C12          | 3.68  |           | 0.12     | 0.67       | mg/kg   |
| Aromatic C12-C16  | Aromatic C12-C16          | 7.25  |           | 0.23     | 1.00       | mg/kg   |
| Aromatic C16-C21  | Aromatic C16-C21          | 14.9  |           | 0.40     | 1.67       | mg/kg   |
| Aromatic C21-C36  | Aromatic C21-C36          | 26.3  |           | 1.19     | 2.66       | mg/kg   |
| <b>SURROGATES</b> |                           |       |           |          |            |         |
| 580-13-2          | 2-Bromonaphthalene (SURR) | 50.5  |           | 40 - 140 | 101%       | SPK: 50 |
| 321-60-8          | 2-Fluorobiphenyl (SURR)   | 39.1  |           | 40 - 140 | 78%        | SPK: 50 |
| 84-15-1           | ortho-Terphenyl (SURR)    | 42.7  |           | 40 - 140 | 85%        | SPK: 50 |



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**Quantitation Report For Aromatic EPH Range.**

|                   |            |                    |                   |
|-------------------|------------|--------------------|-------------------|
| Lab Sample ID:    | PB167231BS | Acq On:            | 20 Mar 2025 13:00 |
| Client Sample ID: | PB167231BS | Operator:          | YP\AJ             |
| Data file:        | FG015514.D | Misc:              |                   |
| Instrument:       | FID_G      | ALS Vial:          | 22                |
| Dilution Factor:  | 1          | Sample Multiplier: | 1.00              |

| Compound                  | R.T.   |        | Response  | Conc    | highest_standard | Units |
|---------------------------|--------|--------|-----------|---------|------------------|-------|
| Aromatic C10-C12          | 4.457  | 6.336  | 7407727   | 55.283  | 200              | ug/ml |
| Aromatic C12-C16          | 6.337  | 9.043  | 14923993  | 108.814 | 300              | ug/ml |
| Aromatic C16-C21          | 9.044  | 13.372 | 31178925  | 223.648 | 500              | ug/ml |
| Aromatic C21-C36          | 13.373 | 18.832 | 51378805  | 394.633 | 800              | ug/ml |
| Aromatic EPH              | 4.457  | 18.832 | 104889450 | 782.379 |                  | ug/ml |
| 2-Bromonaphthalene (SURR) | 7.967  | 7.967  | 6169474   | 50.51   |                  | ug/ml |
| 2-Fluorobiphenyl (SURR)   | 8.844  | 8.844  | 3230344   | 39.08   |                  | ug/ml |
| ortho-Terphenyl (SURR)    | 11.919 | 11.919 | 6231904   | 42.73   |                  | ug/ml |

## Report of Analysis

|                    |                     |                 |              |
|--------------------|---------------------|-----------------|--------------|
| Client:            | G Environmental     | Date Collected: |              |
| Project:           | Ave L               | Date Received:  |              |
| Client Sample ID:  | PB167231BSD         | SDG No.:        | Q1574        |
| Lab Sample ID:     | PB167231BSD         | Matrix:         | Solid        |
| Analytical Method: | NJEPH               | % Solid:        | 100          |
| Sample Wt/Vol:     | 30.01      Units: g | Final Vol:      | 2000      uL |
| Soil Aliquot Vol:  | uL                  | Test:           | EPH          |
| Prep Method :      |                     |                 |              |

|                |                 |               |
|----------------|-----------------|---------------|
| Prep Date :    | Date Analyzed : | Prep Batch ID |
| 03/19/25 15:00 | 03/20/25 13:29  | PB167231      |

Datafile

| CAS Number         | Parameter          | Conc. | Qualifier | Dilution | MDL  | LOQ / CRQL | Units(Dry Weight) |
|--------------------|--------------------|-------|-----------|----------|------|------------|-------------------|
| <b>TARGETS</b>     |                    |       |           |          |      |            |                   |
| Aliphatic C9-C12   | Aliphatic C9-C12   | 5.24  |           | 1        | 0.14 | 1.00       | mg/kg FF015698.D  |
| Aliphatic C12-C16  | Aliphatic C12-C16  | 4.93  |           | 1        | 0.11 | 0.67       | mg/kg FF015698.D  |
| Aliphatic C16-C21  | Aliphatic C16-C21  | 8.66  |           | 1        | 0.13 | 1.00       | mg/kg FF015698.D  |
| Aliphatic C21-C28  | Aliphatic C21-C28  | 11.6  |           | 1        | 0.53 | 1.33       | mg/kg FF015698.D  |
| Aliphatic C28-C40  | Aliphatic C28-C40  | 18.5  |           | 1        | 1.18 | 2.00       | mg/kg FF015698.D  |
| Aromatic C10-C12   | Aromatic C10-C12   | 4.26  |           | 1        | 0.12 | 0.67       | mg/kg FG015515.D  |
| Aromatic C12-C16   | Aromatic C12-C16   | 8.37  |           | 1        | 0.23 | 1.00       | mg/kg FG015515.D  |
| Aromatic C16-C21   | Aromatic C16-C21   | 17.2  |           | 1        | 0.40 | 1.67       | mg/kg FG015515.D  |
| Aromatic C21-C36   | Aromatic C21-C36   | 30.7  |           | 1        | 1.19 | 2.67       | mg/kg FG015515.D  |
| Total AliphaticEPH | Total AliphaticEPH | 48.9  |           |          | 2.09 | 6.00       | mg/kg             |
| Total AromaticEPH  | Total AromaticEPH  | 60.5  |           |          | 1.94 | 6.01       | mg/kg             |
| Total EPH          | Total EPH          | 109   |           |          | 4.03 | 12.0       | mg/kg             |

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control 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

## Report of Analysis

|                    |                        |                 |                      |
|--------------------|------------------------|-----------------|----------------------|
| Client:            | G Environmental        | Date Collected: |                      |
| Project:           | Ave L                  | Date Received:  |                      |
| Client Sample ID:  | PB167231BSD            | SDG No.:        | Q1574                |
| Lab Sample ID:     | PB167231BSD            | Matrix:         | Solid                |
| Analytical Method: | NJEPH                  | % Solid:        | 100                  |
| Sample Wt/Vol:     | 30.01      Units:    g | Final Vol:      | 2000              uL |
| Soil Aliquot Vol:  |                        | Test:           | EPH                  |
| Prep Method :      |                        |                 |                      |

|            |           |             |                 |               |
|------------|-----------|-------------|-----------------|---------------|
| File ID :  | Dilution: | Prep Date : | Date Analyzed : | Prep Batch ID |
| FF015698.D | 1         | 03/19/25    | 03/20/25        | PB167231      |

| CAS Number        | Parameter                 | Conc. | Qualifier | MDL      | LOQ / CRQL | Units   |
|-------------------|---------------------------|-------|-----------|----------|------------|---------|
| <b>TARGETS</b>    |                           |       |           |          |            |         |
| Aliphatic C9-C12  | Aliphatic C9-C12          | 5.24  |           | 0.14     | 1.00       | mg/kg   |
| Aliphatic C12-C16 | Aliphatic C12-C16         | 4.93  |           | 0.11     | 0.67       | mg/kg   |
| Aliphatic C16-C21 | Aliphatic C16-C21         | 8.66  |           | 0.13     | 1.00       | mg/kg   |
| Aliphatic C21-C28 | Aliphatic C21-C28         | 11.6  |           | 0.53     | 1.33       | mg/kg   |
| Aliphatic C28-C40 | Aliphatic C28-C40         | 18.5  |           | 1.18     | 2.00       | mg/kg   |
| <b>SURROGATES</b> |                           |       |           |          |            |         |
| 3383-33-2         | 1-chlorooctadecane (SURR) | 39.3  |           | 40 - 140 | 79%        | SPK: 50 |
| 84-15-1           | ortho-Terphenyl (SURR)    | 0.00  |           | 40 - 140 | 0%         | SPK: 50 |



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**Quantitation Report For Aliphatic EPH Range.**

|                   |             |                    |                   |
|-------------------|-------------|--------------------|-------------------|
| Lab Sample ID:    | PB167231BSD | Acq On:            | 20 Mar 2025 13:29 |
| Client Sample ID: | PB167231BSD | Operator:          | YP\AJ             |
| Data file:        | FF015698.D  | Misc:              |                   |
| Instrument:       | FID_F       | ALS Vial:          | 73                |
| Dilution Factor:  | 1           | Sample Multiplier: | 1.00              |

| Compound                  | R.T.   |        | Response | Conc    | highest_standard | Units |
|---------------------------|--------|--------|----------|---------|------------------|-------|
| Aliphatic C9-C12          | 3.210  | 6.833  | 10101372 | 78.631  | 300              | ug/ml |
| Aliphatic C12-C16         | 6.834  | 10.268 | 9730415  | 73.931  | 200              | ug/ml |
| Aliphatic C16-C21         | 10.269 | 13.635 | 17588777 | 129.927 | 300              | ug/ml |
| Aliphatic C21-C28         | 13.636 | 17.299 | 23085719 | 174.524 | 400              | ug/ml |
| Aliphatic C28-C40         | 17.300 | 22.199 | 30053377 | 277.894 | 600              | ug/ml |
| Aliphatic EPH             | 3.210  | 22.199 | 90559660 | 734.907 |                  | ug/ml |
| ortho-Terphenyl (SURR)    | 0.000  | 0.000  | 0        | 0       |                  | ug/ml |
| 1-chlorooctadecane (SURR) | 13.371 | 13.371 | 4460553  | 39.3    |                  | ug/ml |
| Aliphatic C9-C28          | 3.210  | 17.299 | 60506283 | 457.013 | 1200             | ug/ml |



## Report of Analysis

|                    |                        |                 |                      |
|--------------------|------------------------|-----------------|----------------------|
| Client:            | G Environmental        | Date Collected: |                      |
| Project:           | Ave L                  | Date Received:  |                      |
| Client Sample ID:  | PB167231BSD            | SDG No.:        | Q1574                |
| Lab Sample ID:     | PB167231BSD            | Matrix:         | Solid                |
| Analytical Method: | NJEPH                  | % Solid:        | 100                  |
| Sample Wt/Vol:     | 30.01      Units:    g | Final Vol:      | 2000              uL |
| Soil Aliquot Vol:  | uL                     | Test:           | EPH                  |
| Prep Method :      |                        |                 |                      |

|            |           |             |                 |               |
|------------|-----------|-------------|-----------------|---------------|
| File ID :  | Dilution: | Prep Date : | Date Analyzed : | Prep Batch ID |
| FG015515.D | 1         | 03/19/25    | 03/20/25        | PB167231      |

| CAS Number        | Parameter                 | Conc. | Qualifier | MDL      | LOQ / CRQL | Units   |
|-------------------|---------------------------|-------|-----------|----------|------------|---------|
| <b>TARGETS</b>    |                           |       |           |          |            |         |
| Aromatic C10-C12  | Aromatic C10-C12          | 4.26  |           | 0.12     | 0.67       | mg/kg   |
| Aromatic C12-C16  | Aromatic C12-C16          | 8.37  |           | 0.23     | 1.00       | mg/kg   |
| Aromatic C16-C21  | Aromatic C16-C21          | 17.2  |           | 0.40     | 1.67       | mg/kg   |
| Aromatic C21-C36  | Aromatic C21-C36          | 30.7  |           | 1.19     | 2.67       | mg/kg   |
| <b>SURROGATES</b> |                           |       |           |          |            |         |
| 580-13-2          | 2-Bromonaphthalene (SURR) | 58.2  |           | 40 - 140 | 116%       | SPK: 50 |
| 321-60-8          | 2-Fluorobiphenyl (SURR)   | 45.1  |           | 40 - 140 | 90%        | SPK: 50 |
| 84-15-1           | ortho-Terphenyl (SURR)    | 49.2  |           | 40 - 140 | 98%        | SPK: 50 |



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**Quantitation Report For Aromatic EPH Range.**

|                   |             |                    |                   |
|-------------------|-------------|--------------------|-------------------|
| Lab Sample ID:    | PB167231BSD | Acq On:            | 20 Mar 2025 13:29 |
| Client Sample ID: | PB167231BSD | Operator:          | YP\AJ             |
| Data file:        | FG015515.D  | Misc:              |                   |
| Instrument:       | FID_G       | ALS Vial:          | 23                |
| Dilution Factor:  | 1           | Sample Multiplier: | 1.00              |

| Compound                   | R.T.   |        | Response  | Conc    | highest_standard | Units |
|----------------------------|--------|--------|-----------|---------|------------------|-------|
| Aromatic C10-C12           | 4.457  | 6.336  | 8557929   | 63.867  | 200              | ug/ml |
| Aromatic C12-C16           | 6.337  | 9.043  | 17215774  | 125.524 | 300              | ug/ml |
| Aromatic C16-C21           | 9.044  | 13.372 | 36034067  | 258.475 | 500              | ug/ml |
| Aromatic C21-C36           | 13.373 | 18.832 | 59878364  | 459.917 | 800              | ug/ml |
| Aromatic EPH               | 4.457  | 18.832 | 121686134 | 907.782 |                  | ug/ml |
| 2-Bromonaphthalene (SURRE) | 7.969  | 7.969  | 7111822   | 58.22   |                  | ug/ml |
| 2-Fluorobiphenyl (SURRE)   | 8.846  | 8.846  | 3730134   | 45.13   |                  | ug/ml |
| ortho-Terphenyl (SURRE)    | 11.920 | 11.920 | 7173187   | 49.19   |                  | ug/ml |

## Report of Analysis

|                    |                     |                 |              |
|--------------------|---------------------|-----------------|--------------|
| Client:            | G Environmental     | Date Collected: |              |
| Project:           | Ave L               | Date Received:  |              |
| Client Sample ID:  | WC1MS               | SDG No.:        | Q1574        |
| Lab Sample ID:     | Q1574-01MS          | Matrix:         | Solid        |
| Analytical Method: | NJEPH               | % Solid:        | 98           |
| Sample Wt/Vol:     | 30.03      Units: g | Final Vol:      | 2000      uL |
| Soil Aliquot Vol:  | uL                  | Test:           | EPH          |
| Prep Method :      |                     |                 |              |

|                |                 |               |
|----------------|-----------------|---------------|
| Prep Date :    | Date Analyzed : | Prep Batch ID |
| 03/19/25 15:00 | 03/20/25 14:58  | PB167231      |

Datafile

| CAS Number         | Parameter          | Conc. | Qualifier | Dilution | MDL  | LOQ / CRQL | Units(Dry Weight) |
|--------------------|--------------------|-------|-----------|----------|------|------------|-------------------|
| <b>TARGETS</b>     |                    |       |           |          |      |            |                   |
| Aliphatic C9-C12   | Aliphatic C9-C12   | 8.80  |           | 1        | 0.14 | 1.02       | mg/kg FF015701.D  |
| Aliphatic C12-C16  | Aliphatic C12-C16  | 7.47  |           | 1        | 0.11 | 0.68       | mg/kg FF015701.D  |
| Aliphatic C16-C21  | Aliphatic C16-C21  | 71.8  | E         | 1        | 0.13 | 1.02       | mg/kg FF015701.D  |
| Aliphatic C21-C28  | Aliphatic C21-C28  | 867   | E         | 1        | 0.54 | 1.36       | mg/kg FF015701.D  |
| Aliphatic C28-C40  | Aliphatic C28-C40  | 1140  | E         | 1        | 1.20 | 2.04       | mg/kg FF015701.D  |
| Aromatic C10-C12   | Aromatic C10-C12   | 10.1  |           | 1        | 0.12 | 0.68       | mg/kg FG015518.D  |
| Aromatic C12-C16   | Aromatic C12-C16   | 16.5  |           | 1        | 0.23 | 1.02       | mg/kg FG015518.D  |
| Aromatic C16-C21   | Aromatic C16-C21   | 18.9  |           | 1        | 0.41 | 1.70       | mg/kg FG015518.D  |
| Aromatic C21-C36   | Aromatic C21-C36   | 6990  | E         | 1        | 1.21 | 2.72       | mg/kg FG015518.D  |
| Total AliphaticEPH | Total AliphaticEPH | 2090  |           |          | 2.13 | 6.12       | mg/kg             |
| Total AromaticEPH  | Total AromaticEPH  | 7030  |           |          | 1.97 | 6.12       | mg/kg             |
| Total EPH          | Total EPH          | 9130  |           |          | 4.10 | 12.2       | mg/kg             |

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control 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

## Report of Analysis

|                    |                 |          |                 |         |
|--------------------|-----------------|----------|-----------------|---------|
| Client:            | G Environmental |          | Date Collected: |         |
| Project:           | Ave L           |          | Date Received:  |         |
| Client Sample ID:  | WC1MS           |          | SDG No.:        | Q1574   |
| Lab Sample ID:     | Q1574-01MS      |          | Matrix:         | Solid   |
| Analytical Method: | NJEPH           |          | % Solid:        | 98      |
| Sample Wt/Vol:     | 30.03           | Units: g | Final Vol:      | 2000 uL |
| Soil Aliquot Vol:  |                 | uL       | Test:           | EPH     |
| Prep Method :      |                 |          |                 |         |

|            |           |             |                 |               |
|------------|-----------|-------------|-----------------|---------------|
| File ID :  | Dilution: | Prep Date : | Date Analyzed : | Prep Batch ID |
| FF015701.D | 1         | 03/19/25    | 03/20/25        | PB167231      |

| CAS Number        | Parameter                 | Conc. | Qualifier | MDL      | LOQ / CRQL | Units   |
|-------------------|---------------------------|-------|-----------|----------|------------|---------|
| <b>TARGETS</b>    |                           |       |           |          |            |         |
| Aliphatic C9-C12  | Aliphatic C9-C12          | 8.80  |           | 0.14     | 1.02       | mg/kg   |
| Aliphatic C12-C16 | Aliphatic C12-C16         | 7.47  |           | 0.11     | 0.68       | mg/kg   |
| Aliphatic C16-C21 | Aliphatic C16-C21         | 71.8  | E         | 0.13     | 1.02       | mg/kg   |
| Aliphatic C21-C28 | Aliphatic C21-C28         | 867   | E         | 0.54     | 1.36       | mg/kg   |
| Aliphatic C28-C40 | Aliphatic C28-C40         | 1140  | E         | 1.20     | 2.04       | mg/kg   |
| <b>SURROGATES</b> |                           |       |           |          |            |         |
| 3383-33-2         | 1-chlorooctadecane (SURR) | 43.6  |           | 40 - 140 | 87%        | SPK: 50 |
| 84-15-1           | ortho-Terphenyl (SURR)    | 0.00  |           | 40 - 140 | 0%         | SPK: 50 |



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**Quantitation Report For Aliphatic EPH Range.**

|                   |            |                    |                   |
|-------------------|------------|--------------------|-------------------|
| Lab Sample ID:    | Q1574-01MS | Acq On:            | 20 Mar 2025 14:58 |
| Client Sample ID: | WC1MS      | Operator:          | YP\AJ             |
| Data file:        | FF015701.D | Misc:              |                   |
| Instrument:       | FID_F      | ALS Vial:          | 76                |
| Dilution Factor:  | 1          | Sample Multiplier: | 1.00              |

| Compound                  | R.T.   |        | Response   | Conc    | highest_standard | Units |
|---------------------------|--------|--------|------------|---------|------------------|-------|
| Aliphatic C9-C12          | 3.210  | 6.833  | 16632418   | 129.47  | 300              | ug/ml |
| Aliphatic C12-C16         | 6.834  | 10.268 | 14462435   | 109.885 | 200              | ug/ml |
| Aliphatic C16-C21         | 10.269 | 13.635 | 142999105  | 1060    | 300              | ug/ml |
| Aliphatic C21-C28         | 13.636 | 17.299 | 1689105930 | 12800   | 400              | ug/ml |
| Aliphatic C28-C40         | 17.300 | 22.199 | 1809379549 | 16700   | 600              | ug/ml |
| Aliphatic EPH             | 3.210  | 22.199 | 3672579437 | 30800   |                  | ug/ml |
| ortho-Terphenyl (SURR)    | 0.000  | 0.000  | 0          | 0       |                  | ug/ml |
| 1-chlorooctadecane (SURR) | 13.380 | 13.380 | 4949834    | 43.61   |                  | ug/ml |
| Aliphatic C9-C28          | 3.210  | 17.299 | 1863199888 | 14100   | 1200             | ug/ml |

## Report of Analysis

|                    |                 |          |                 |         |
|--------------------|-----------------|----------|-----------------|---------|
| Client:            | G Environmental |          | Date Collected: |         |
| Project:           | Ave L           |          | Date Received:  |         |
| Client Sample ID:  | WC1MS           |          | SDG No.:        | Q1574   |
| Lab Sample ID:     | Q1574-01MS      |          | Matrix:         | Solid   |
| Analytical Method: | NJEPH           |          | % Solid:        | 98      |
| Sample Wt/Vol:     | 30.03           | Units: g | Final Vol:      | 2000 uL |
| Soil Aliquot Vol:  |                 | uL       | Test:           | EPH     |
| Prep Method :      |                 |          |                 |         |

|            |           |             |                 |               |
|------------|-----------|-------------|-----------------|---------------|
| File ID :  | Dilution: | Prep Date : | Date Analyzed : | Prep Batch ID |
| FG015518.D | 1         | 03/19/25    | 03/20/25        | PB167231      |

| CAS Number        | Parameter                 | Conc. | Qualifier | MDL      | LOQ / CRQL | Units   |
|-------------------|---------------------------|-------|-----------|----------|------------|---------|
| <b>TARGETS</b>    |                           |       |           |          |            |         |
| Aromatic C10-C12  | Aromatic C10-C12          | 10.1  |           | 0.12     | 0.68       | mg/kg   |
| Aromatic C12-C16  | Aromatic C12-C16          | 16.5  |           | 0.23     | 1.02       | mg/kg   |
| Aromatic C16-C21  | Aromatic C16-C21          | 18.9  |           | 0.41     | 1.70       | mg/kg   |
| Aromatic C21-C36  | Aromatic C21-C36          | 6990  | E         | 1.21     | 2.72       | mg/kg   |
| <b>SURROGATES</b> |                           |       |           |          |            |         |
| 580-13-2          | 2-Bromonaphthalene (SURR) | 55.7  |           | 40 - 140 | 111%       | SPK: 50 |
| 321-60-8          | 2-Fluorobiphenyl (SURR)   | 48.0  |           | 40 - 140 | 96%        | SPK: 50 |
| 84-15-1           | ortho-Terphenyl (SURR)    | 30.2  |           | 40 - 140 | 60%        | SPK: 50 |



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**Quantitation Report For Aromatic EPH Range.**

|                   |            |                    |                   |
|-------------------|------------|--------------------|-------------------|
| Lab Sample ID:    | Q1574-01MS | Acq On:            | 20 Mar 2025 14:58 |
| Client Sample ID: | WC1MS      | Operator:          | YP\AJ             |
| Data file:        | FG015518.D | Misc:              |                   |
| Instrument:       | FID_G      | ALS Vial:          | 26                |
| Dilution Factor:  | 1          | Sample Multiplier: | 1.00              |

| Compound                  | R.T.   |        | Response    | Conc    | highest_standard | Units |
|---------------------------|--------|--------|-------------|---------|------------------|-------|
| Aromatic C10-C12          | 4.457  | 6.336  | 19817022    | 147.892 | 200              | ug/ml |
| Aromatic C12-C16          | 6.337  | 9.043  | 33206872    | 242.118 | 300              | ug/ml |
| Aromatic C16-C21          | 9.044  | 13.372 | 38701468    | 277.608 | 500              | ug/ml |
| Aromatic C21-C36          | 13.373 | 18.832 | 13388749142 | 103000  | 800              | ug/ml |
| Aromatic EPH              | 4.457  | 18.832 | 13480474504 | 104000  |                  | ug/ml |
| 2-Bromonaphthalene (SURR) | 7.971  | 7.971  | 6800885     | 55.67   |                  | ug/ml |
| 2-Fluorobiphenyl (SURR)   | 8.849  | 8.849  | 3971661     | 48.05   |                  | ug/ml |
| ortho-Terphenyl (SURR)    | 11.937 | 11.937 | 4406350     | 30.22   |                  | ug/ml |

## Report of Analysis

|                    |                     |                 |              |
|--------------------|---------------------|-----------------|--------------|
| Client:            | G Environmental     | Date Collected: |              |
| Project:           | Ave L               | Date Received:  |              |
| Client Sample ID:  | WC1MSD              | SDG No.:        | Q1574        |
| Lab Sample ID:     | Q1574-01MSD         | Matrix:         | Solid        |
| Analytical Method: | NJEPH               | % Solid:        | 98           |
| Sample Wt/Vol:     | 30.05      Units: g | Final Vol:      | 2000      uL |
| Soil Aliquot Vol:  | uL                  | Test:           | EPH          |
| Prep Method :      |                     |                 |              |

|                |                 |               |
|----------------|-----------------|---------------|
| Prep Date :    | Date Analyzed : | Prep Batch ID |
| 03/19/25 15:00 | 03/20/25 15:27  | PB167231      |

Datafile

| CAS Number         | Parameter          | Conc. | Qualifier | Dilution | MDL  | LOQ / CRQL | Units(Dry Weight) |
|--------------------|--------------------|-------|-----------|----------|------|------------|-------------------|
| <b>TARGETS</b>     |                    |       |           |          |      |            |                   |
| Aliphatic C9-C12   | Aliphatic C9-C12   | 8.95  |           | 1        | 0.14 | 1.02       | mg/kg FF015702.D  |
| Aliphatic C12-C16  | Aliphatic C12-C16  | 7.39  |           | 1        | 0.11 | 0.68       | mg/kg FF015702.D  |
| Aliphatic C16-C21  | Aliphatic C16-C21  | 72.5  | E         | 1        | 0.13 | 1.02       | mg/kg FF015702.D  |
| Aliphatic C21-C28  | Aliphatic C21-C28  | 886   | E         | 1        | 0.54 | 1.36       | mg/kg FF015702.D  |
| Aliphatic C28-C40  | Aliphatic C28-C40  | 1170  | E         | 1        | 1.20 | 2.04       | mg/kg FF015702.D  |
| Aromatic C10-C12   | Aromatic C10-C12   | 9.75  |           | 1        | 0.12 | 0.68       | mg/kg FG015519.D  |
| Aromatic C12-C16   | Aromatic C12-C16   | 11.8  |           | 1        | 0.23 | 1.02       | mg/kg FG015519.D  |
| Aromatic C16-C21   | Aromatic C16-C21   | 20.5  |           | 1        | 0.41 | 1.70       | mg/kg FG015519.D  |
| Aromatic C21-C36   | Aromatic C21-C36   | 6750  | E         | 1        | 1.21 | 2.72       | mg/kg FG015519.D  |
| Total AliphaticEPH | Total AliphaticEPH | 2150  |           |          | 2.13 | 6.12       | mg/kg             |
| Total AromaticEPH  | Total AromaticEPH  | 6790  |           |          | 1.97 | 6.12       | mg/kg             |
| Total EPH          | Total EPH          | 8940  |           |          | 4.10 | 12.2       | mg/kg             |

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control 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



## Report of Analysis

|                    |                        |                 |                      |
|--------------------|------------------------|-----------------|----------------------|
| Client:            | G Environmental        | Date Collected: |                      |
| Project:           | Ave L                  | Date Received:  |                      |
| Client Sample ID:  | WC1MSD                 | SDG No.:        | Q1574                |
| Lab Sample ID:     | Q1574-01MSD            | Matrix:         | Solid                |
| Analytical Method: | NJEPH                  | % Solid:        | 98                   |
| Sample Wt/Vol:     | 30.05      Units:    g | Final Vol:      | 2000              uL |
| Soil Aliquot Vol:  | uL                     | Test:           | EPH                  |
| Prep Method :      |                        |                 |                      |

|            |           |             |                 |               |
|------------|-----------|-------------|-----------------|---------------|
| File ID :  | Dilution: | Prep Date : | Date Analyzed : | Prep Batch ID |
| FF015702.D | 1         | 03/19/25    | 03/20/25        | PB167231      |

| CAS Number        | Parameter                 | Conc. | Qualifier | MDL      | LOQ / CRQL | Units   |
|-------------------|---------------------------|-------|-----------|----------|------------|---------|
| <b>TARGETS</b>    |                           |       |           |          |            |         |
| Aliphatic C9-C12  | Aliphatic C9-C12          | 8.95  |           | 0.14     | 1.02       | mg/kg   |
| Aliphatic C12-C16 | Aliphatic C12-C16         | 7.39  |           | 0.11     | 0.68       | mg/kg   |
| Aliphatic C16-C21 | Aliphatic C16-C21         | 72.5  | E         | 0.13     | 1.02       | mg/kg   |
| Aliphatic C21-C28 | Aliphatic C21-C28         | 886   | E         | 0.54     | 1.36       | mg/kg   |
| Aliphatic C28-C40 | Aliphatic C28-C40         | 1170  | E         | 1.20     | 2.04       | mg/kg   |
| <b>SURROGATES</b> |                           |       |           |          |            |         |
| 3383-33-2         | 1-chlorooctadecane (SURR) | 44.9  |           | 40 - 140 | 90%        | SPK: 50 |
| 84-15-1           | ortho-Terphenyl (SURR)    | 0.00  |           | 40 - 140 | 0%         | SPK: 50 |



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**Quantitation Report For Aliphatic EPH Range.**

|                   |             |                    |                   |
|-------------------|-------------|--------------------|-------------------|
| Lab Sample ID:    | Q1574-01MSD | Acq On:            | 20 Mar 2025 15:27 |
| Client Sample ID: | WC1MSD      | Operator:          | YP\AJ             |
| Data file:        | FF015702.D  | Misc:              |                   |
| Instrument:       | FID_F       | ALS Vial:          | 77                |
| Dilution Factor:  | 1           | Sample Multiplier: | 1.00              |

| Compound                  | R.T.   |        | Response   | Conc    | highest_standard | Units |
|---------------------------|--------|--------|------------|---------|------------------|-------|
| Aliphatic C9-C12          | 3.210  | 6.833  | 16926943   | 131.762 | 300              | ug/ml |
| Aliphatic C12-C16         | 6.834  | 10.268 | 14326346   | 108.851 | 200              | ug/ml |
| Aliphatic C16-C21         | 10.269 | 13.635 | 144552236  | 1070    | 300              | ug/ml |
| Aliphatic C21-C28         | 13.636 | 17.299 | 1726666665 | 13100   | 400              | ug/ml |
| Aliphatic C28-C40         | 17.300 | 22.199 | 1869886260 | 17300   | 600              | ug/ml |
| Aliphatic EPH             | 3.210  | 22.199 | 3772358450 | 31700   |                  | ug/ml |
| ortho-Terphenyl (SURR)    | 0.000  | 0.000  | 0          | 0       |                  | ug/ml |
| 1-chlorooctadecane (SURR) | 13.382 | 13.382 | 5096779    | 44.91   |                  | ug/ml |
| Aliphatic C9-C28          | 3.210  | 17.299 | 1902472190 | 14400   | 1200             | ug/ml |

## Report of Analysis

|                    |                        |                 |                      |
|--------------------|------------------------|-----------------|----------------------|
| Client:            | G Environmental        | Date Collected: |                      |
| Project:           | Ave L                  | Date Received:  |                      |
| Client Sample ID:  | WC1MSD                 | SDG No.:        | Q1574                |
| Lab Sample ID:     | Q1574-01MSD            | Matrix:         | Solid                |
| Analytical Method: | NJEPH                  | % Solid:        | 98                   |
| Sample Wt/Vol:     | 30.05      Units:    g | Final Vol:      | 2000              uL |
| Soil Aliquot Vol:  | uL                     | Test:           | EPH                  |
| Prep Method :      |                        |                 |                      |

|            |           |             |                 |               |
|------------|-----------|-------------|-----------------|---------------|
| File ID :  | Dilution: | Prep Date : | Date Analyzed : | Prep Batch ID |
| FG015519.D | 1         | 03/19/25    | 03/20/25        | PB167231      |

| CAS Number        | Parameter                 | Conc. | Qualifier | MDL      | LOQ / CRQL | Units   |
|-------------------|---------------------------|-------|-----------|----------|------------|---------|
| <b>TARGETS</b>    |                           |       |           |          |            |         |
| Aromatic C10-C12  | Aromatic C10-C12          | 9.75  |           | 0.12     | 0.68       | mg/kg   |
| Aromatic C12-C16  | Aromatic C12-C16          | 11.8  |           | 0.23     | 1.02       | mg/kg   |
| Aromatic C16-C21  | Aromatic C16-C21          | 20.5  |           | 0.41     | 1.70       | mg/kg   |
| Aromatic C21-C36  | Aromatic C21-C36          | 6750  | E         | 1.21     | 2.72       | mg/kg   |
| <b>SURROGATES</b> |                           |       |           |          |            |         |
| 580-13-2          | 2-Bromonaphthalene (SURR) | 54.3  |           | 40 - 140 | 109%       | SPK: 50 |
| 321-60-8          | 2-Fluorobiphenyl (SURR)   | 46.1  |           | 40 - 140 | 92%        | SPK: 50 |
| 84-15-1           | ortho-Terphenyl (SURR)    | 26.1  |           | 40 - 140 | 52%        | SPK: 50 |



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

**Quantitation Report For Aromatic EPH Range.**

|                   |             |                    |                   |
|-------------------|-------------|--------------------|-------------------|
| Lab Sample ID:    | Q1574-01MSD | Acq On:            | 20 Mar 2025 15:27 |
| Client Sample ID: | WC1MSD      | Operator:          | YP\AJ             |
| Data file:        | FG015519.D  | Misc:              |                   |
| Instrument:       | FID_G       | ALS Vial:          | 27                |
| Dilution Factor:  | 1           | Sample Multiplier: | 1.00              |

| Compound                  | R.T.   |        | Response    | Conc    | highest_standard | Units |
|---------------------------|--------|--------|-------------|---------|------------------|-------|
| Aromatic C10-C12          | 4.457  | 6.336  | 19228562    | 143.501 | 200              | ug/ml |
| Aromatic C12-C16          | 6.337  | 9.043  | 23781726    | 173.397 | 300              | ug/ml |
| Aromatic C16-C21          | 9.044  | 13.372 | 42180010    | 302.56  | 500              | ug/ml |
| Aromatic C21-C36          | 13.373 | 18.832 | 12945610862 | 99400   | 800              | ug/ml |
| Aromatic EPH              | 4.457  | 18.832 | 13030801160 | 101000  |                  | ug/ml |
| 2-Bromonaphthalene (SURR) | 7.972  | 7.972  | 6634311     | 54.31   |                  | ug/ml |
| 2-Fluorobiphenyl (SURR)   | 8.850  | 8.850  | 3808847     | 46.08   |                  | ug/ml |
| ortho-Terphenyl (SURR)    | 11.970 | 11.970 | 3804129     | 26.09   |                  | ug/ml |



# CALIBRATION SUMMARY

Initial Calibration Report for SequenceID : FF031725AL

**AreaCount**

| Parameter Range   | FF015685.D    | FF015686.D    | FF015687.D   | FF015688.D   | FF015689.D   |  |
|-------------------|---------------|---------------|--------------|--------------|--------------|--|
| Aliphatic C9-C12  | 35791753.000  | 18596208.000  | 8058326.000  | 4004912.000  | 1968689.000  |  |
| Aliphatic C12-C16 | 24749935.000  | 12856373.000  | 5564326.000  | 2740629.000  | 1296185.000  |  |
| Aliphatic C16-C21 | 37540731.000  | 19647990.000  | 8562154.000  | 4228203.000  | 2056604.000  |  |
| Aliphatic C21-C28 | 47415607.000  | 25387224.000  | 11186676.000 | 5615235.000  | 2714034.000  |  |
| Aliphatic C28-C40 | 55895010.000  | 30012799.000  | 13810725.000 | 6857806.000  | 3544442.000  |  |
| Aliphatic EPH     | 201393036.000 | 106500594.000 | 47182207.000 | 23446785.000 | 11579954.000 |  |

**AVG Response Factor**

| Parameter Range   | AVG RF        | % RSD  |  |  |  |  |
|-------------------|---------------|--------|--|--|--|--|
| Aliphatic C9-C12  | 128465.799333 | 5.093  |  |  |  |  |
| Aliphatic C12-C16 | 131614.301    | 4.815  |  |  |  |  |
| Aliphatic C16-C21 | 135374.393998 | 5.375  |  |  |  |  |
| Aliphatic C21-C28 | 132278.2325   | 7.089  |  |  |  |  |
| Aliphatic C28-C40 | 108147.044333 | 10.091 |  |  |  |  |
| Aliphatic EPH     | 124041.354333 | 6.861  |  |  |  |  |

**Concentration**

| Parameter Range   | FF015685.D | FF015686.D | FF015687.D | FF015688.D | FF015689.D |  |
|-------------------|------------|------------|------------|------------|------------|--|
| Aliphatic C9-C12  | 300.000    | 150.000    | 60.000     | 30.000     | 15.000     |  |
| Aliphatic C12-C16 | 200.000    | 100.000    | 40.000     | 20.000     | 10.000     |  |
| Aliphatic C16-C21 | 300.000    | 150.000    | 60.000     | 30.000     | 15.000     |  |
| Aliphatic C21-C28 | 400.000    | 200.000    | 80.000     | 40.000     | 20.000     |  |
| Aliphatic C28-C40 | 600.000    | 300.000    | 120.000    | 60.000     | 30.000     |  |
| Aliphatic EPH     | 1800.000   | 900.000    | 360.000    | 180.000    | 90.000     |  |

**Response Factor**

| Parameter Range   | FF015685.D    | FF015686.D    | FF015687.D    | FF015688.D    | FF015689.D    |  |
|-------------------|---------------|---------------|---------------|---------------|---------------|--|
| Aliphatic C9-C12  | 119305.843333 | 123974.720000 | 134305.433333 | 133497.066666 | 131245.933333 |  |
| Aliphatic C12-C16 | 123749.675000 | 128563.730000 | 139108.150000 | 137031.450000 | 129618.500000 |  |
| Aliphatic C16-C21 | 125135.770000 | 130986.600000 | 142702.566666 | 140940.100000 | 137106.933333 |  |

Initial Calibration Report for SequenceID : FF031725AL

|                   |               |               |               |               |               |  |
|-------------------|---------------|---------------|---------------|---------------|---------------|--|
| Aliphatic C21-C28 | 118539.017500 | 126936.120000 | 139833.450000 | 140380.875000 | 135701.700000 |  |
| Aliphatic C28-C40 | 93158.350000  | 100042.663333 | 115089.375000 | 114296.766666 | 118148.066666 |  |
| Aliphatic EPH     | 111885.020000 | 118333.993333 | 131061.686111 | 130259.916666 | 128666.155555 |  |

Initial Calibration Report for SequenceID : FG031725AR

**AreaCount**

| Parameter Range  | FG015502.D    | FG015503.D    | FG015504.D   | FG015505.D   | FG015506.D   |  |
|------------------|---------------|---------------|--------------|--------------|--------------|--|
| Aromatic C10-C12 | 26308403.000  | 13646067.000  | 5356264.000  | 2672678.000  | 1344384.000  |  |
| Aromatic C12-C16 | 40492472.000  | 20940760.000  | 8286344.000  | 4096782.000  | 2047703.000  |  |
| Aromatic C16-C21 | 54529163.000  | 28172992.000  | 11190203.000 | 5588718.000  | 2805377.000  |  |
| Aromatic C21-C36 | 113166303.000 | 58525947.000  | 23420337.000 | 11832868.000 | 6011171.000  |  |
| Aromatic EPH     | 234496341.000 | 121285766.000 | 48253148.000 | 24191046.000 | 12208635.000 |  |

**AVG Response Factor**

| Parameter Range  | AVG RF         | % RSD |  |  |  |  |
|------------------|----------------|-------|--|--|--|--|
| Aromatic C10-C12 | 133996.317     | 1.316 |  |  |  |  |
| Aromatic C12-C16 | 137151.7279996 | 1.285 |  |  |  |  |
| Aromatic C16-C21 | 139410.441     | 1.278 |  |  |  |  |
| Aromatic C21-C36 | 130193.7737774 | 2.205 |  |  |  |  |
| Aromatic EPH     | 133824.0858888 | 1.549 |  |  |  |  |

**Concentration**

| Parameter Range  | FG015502.D | FG015503.D | FG015504.D | FG015505.D | FG015506.D |  |
|------------------|------------|------------|------------|------------|------------|--|
| Aromatic C10-C12 | 200.000    | 100.000    | 40.000     | 20.000     | 10.000     |  |
| Aromatic C12-C16 | 300.000    | 150.000    | 60.000     | 30.000     | 15.000     |  |
| Aromatic C16-C21 | 400.000    | 200.000    | 80.000     | 40.000     | 20.000     |  |
| Aromatic C21-C36 | 900.000    | 450.000    | 180.000    | 90.000     | 45.000     |  |
| Aromatic EPH     | 1800.000   | 900.000    | 360.000    | 180.000    | 90.000     |  |

**Response Factor**

| Parameter Range  | FG015502.D    | FG015503.D    | FG015504.D    | FG015505.D    | FG015506.D    |  |
|------------------|---------------|---------------|---------------|---------------|---------------|--|
| Aromatic C10-C12 | 131542.015000 | 136460.670000 | 133906.600000 | 133633.900000 | 134438.400000 |  |
| Aromatic C12-C16 | 134974.906666 | 139605.066666 | 138105.733333 | 136559.400000 | 136513.533333 |  |
| Aromatic C16-C21 | 136322.907500 | 140864.960000 | 139877.537500 | 139717.950000 | 140268.850000 |  |
| Aromatic C21-C36 | 125740.336666 | 130057.660000 | 130112.983333 | 131476.311111 | 133581.577777 |  |
| Aromatic EPH     | 130275.745000 | 134761.962222 | 134036.522222 | 134394.700000 | 135651.500000 |  |



Continuing Calibration Report for SequenceID : FF032025AL

| Parameter | AreaCount | Conc. | RT_Min | RT_Max | Response Factor | AVGRF | %DEV |
|-----------|-----------|-------|--------|--------|-----------------|-------|------|
|-----------|-----------|-------|--------|--------|-----------------|-------|------|

File ID : FF015695.D

|                   |              |         |        |        |            |            |        |
|-------------------|--------------|---------|--------|--------|------------|------------|--------|
| Aliphatic C9-C12  | 8283457.000  | 60.000  | 3.210  | 6.833  | 138057.617 | 128465.799 | -7.466 |
| Aliphatic C12-C16 | 5675359.000  | 40.000  | 6.834  | 10.268 | 141883.975 | 131614.301 | -7.803 |
| Aliphatic C16-C21 | 8726107.000  | 60.000  | 10.269 | 13.635 | 145435.117 | 135374.394 | -7.432 |
| Aliphatic C21-C28 | 10964393.000 | 80.000  | 13.636 | 17.299 | 137054.913 | 132278.233 | -3.611 |
| Aliphatic C28-C40 | 12363824.000 | 120.000 | 17.300 | 22.199 | 103031.867 | 108147.044 | 4.730  |
| Aliphatic EPH     | 46013140.000 | 360.000 | 3.210  | 22.199 | 127814.278 | 124041.354 | -3.042 |

|                   |                       |                    |                   |
|-------------------|-----------------------|--------------------|-------------------|
| Lab Sample ID:    | 20 PPM ALIPHATIC HC 9 | Acq On:            | 20 Mar 2025 11:24 |
| Client Sample ID: |                       | Operator:          | YP\AJ             |
| Data file:        | FF015695.D            | Misc:              |                   |
| Instrument:       | FID_F                 | ALS Vial:          | 11                |
| Dilution Factor:  | 1                     | Sample Multiplier: | 1.00              |

| Compound          | R.T.   |        | Response     | Conc    | Units |
|-------------------|--------|--------|--------------|---------|-------|
| Aliphatic C9-C12  | 3.210  | 6.833  | 8283457.000  | 60.000  | ug/ml |
| Aliphatic C12-C16 | 6.834  | 10.268 | 5675359.000  | 40.000  | ug/ml |
| Aliphatic C16-C21 | 10.269 | 13.635 | 8726107.000  | 60.000  | ug/ml |
| Aliphatic C21-C28 | 13.636 | 17.299 | 10964393.000 | 80.000  | ug/ml |
| Aliphatic C28-C40 | 17.300 | 22.199 | 12363824.000 | 120.000 | ug/ml |
| Aliphatic EPH     | 3.210  | 22.199 | 46013140.000 | 360.000 | ug/ml |

Continuing Calibration Report for SequenceID : FF032025AL

| Parameter | AreaCount | Conc. | RT_Min | RT_Max | Response Factor | AVGRF | %DEV |
|-----------|-----------|-------|--------|--------|-----------------|-------|------|
|-----------|-----------|-------|--------|--------|-----------------|-------|------|

File ID : FF015706.D

|                   |              |         |        |        |            |            |        |
|-------------------|--------------|---------|--------|--------|------------|------------|--------|
| Aliphatic C9-C12  | 8315013.000  | 60.000  | 3.210  | 6.833  | 138583.550 | 128465.799 | -7.876 |
| Aliphatic C12-C16 | 5730108.000  | 40.000  | 6.834  | 10.268 | 143252.700 | 131614.301 | -8.843 |
| Aliphatic C16-C21 | 8783678.000  | 60.000  | 10.269 | 13.635 | 146394.633 | 135374.394 | -8.141 |
| Aliphatic C21-C28 | 11052870.000 | 80.000  | 13.636 | 17.299 | 138160.875 | 132278.233 | -4.447 |
| Aliphatic C28-C40 | 12850002.000 | 120.000 | 17.300 | 22.199 | 107083.350 | 108147.044 | 0.984  |
| Aliphatic EPH     | 46731671.000 | 360.000 | 3.210  | 22.199 | 129810.197 | 124041.354 | -4.651 |

|                   |                       |                    |                   |
|-------------------|-----------------------|--------------------|-------------------|
| Lab Sample ID:    | 20 PPM ALIPHATIC HC 9 | Acq On:            | 20 Mar 2025 18:23 |
| Client Sample ID: |                       | Operator:          | YPAJ              |
| Data file:        | FF015706.D            | Misc:              |                   |
| Instrument:       | FID_F                 | ALS Vial:          | 11                |
| Dilution Factor:  | 1                     | Sample Multiplier: | 1.00              |

| Compound          | R.T.   |        | Response     | Conc    | Units |
|-------------------|--------|--------|--------------|---------|-------|
| Aliphatic C9-C12  | 3.210  | 6.833  | 8315013.000  | 60.000  | ug/ml |
| Aliphatic C12-C16 | 6.834  | 10.268 | 5730108.000  | 40.000  | ug/ml |
| Aliphatic C16-C21 | 10.269 | 13.635 | 8783678.000  | 60.000  | ug/ml |
| Aliphatic C21-C28 | 13.636 | 17.299 | 11052870.000 | 80.000  | ug/ml |
| Aliphatic C28-C40 | 17.300 | 22.199 | 12850002.000 | 120.000 | ug/ml |
| Aliphatic EPH     | 3.210  | 22.199 | 46731671.000 | 360.000 | ug/ml |

Continuing Calibration Report for SequenceID : FF032025AL

| Parameter | AreaCount | Conc. | RT_Min | RT_Max | Response Factor | AVGRF | %DEV |
|-----------|-----------|-------|--------|--------|-----------------|-------|------|
|-----------|-----------|-------|--------|--------|-----------------|-------|------|

File ID : FF015713.D

|                   |              |         |        |        |            |            |        |
|-------------------|--------------|---------|--------|--------|------------|------------|--------|
| Aliphatic C9-C12  | 8210426.000  | 60.000  | 3.210  | 6.833  | 136840.433 | 128465.799 | -6.519 |
| Aliphatic C12-C16 | 5637642.000  | 40.000  | 6.834  | 10.268 | 140941.050 | 131614.301 | -7.086 |
| Aliphatic C16-C21 | 8671498.000  | 60.000  | 10.269 | 13.635 | 144524.967 | 135374.394 | -6.759 |
| Aliphatic C21-C28 | 10915750.000 | 80.000  | 13.636 | 17.299 | 136446.875 | 132278.233 | -3.151 |
| Aliphatic C28-C40 | 12634329.000 | 120.000 | 17.300 | 22.199 | 105286.075 | 108147.044 | 2.645  |
| Aliphatic EPH     | 46069645.000 | 360.000 | 3.210  | 22.199 | 127971.236 | 124041.354 | -3.168 |

|                   |                       |                    |                   |
|-------------------|-----------------------|--------------------|-------------------|
| Lab Sample ID:    | 20 PPM ALIPHATIC HC 9 | Acq On:            | 20 Mar 2025 23:47 |
| Client Sample ID: |                       | Operator:          | YP\AJ             |
| Data file:        | FF015713.D            | Misc:              |                   |
| Instrument:       | FID_F                 | ALS Vial:          | 11                |
| Dilution Factor:  | 1                     | Sample Multiplier: | 1.00              |

| Compound          | R.T.   |        | Response     | Conc    | Units |
|-------------------|--------|--------|--------------|---------|-------|
| Aliphatic C9-C12  | 3.210  | 6.833  | 8210426.000  | 60.000  | ug/ml |
| Aliphatic C12-C16 | 6.834  | 10.268 | 5637642.000  | 40.000  | ug/ml |
| Aliphatic C16-C21 | 10.269 | 13.635 | 8671498.000  | 60.000  | ug/ml |
| Aliphatic C21-C28 | 13.636 | 17.299 | 10915750.000 | 80.000  | ug/ml |
| Aliphatic C28-C40 | 17.300 | 22.199 | 12634329.000 | 120.000 | ug/ml |
| Aliphatic EPH     | 3.210  | 22.199 | 46069645.000 | 360.000 | ug/ml |

Continuing Calibration Report for SequenceID : FG032025AR

| Parameter | AreaCount | Conc. | RT_Min | RT_Max | Response Factor | AVGRF | %DEV |
|-----------|-----------|-------|--------|--------|-----------------|-------|------|
|-----------|-----------|-------|--------|--------|-----------------|-------|------|

File ID : FG015512.D

|                  |              |         |        |        |            |            |        |
|------------------|--------------|---------|--------|--------|------------|------------|--------|
| Aromatic C10-C12 | 5476572.000  | 40.000  | 4.457  | 6.336  | 136914.300 | 133996.317 | -2.178 |
| Aromatic C12-C16 | 8393261.000  | 60.000  | 6.337  | 9.043  | 139887.683 | 137151.728 | -1.995 |
| Aromatic C16-C21 | 11290652.000 | 80.000  | 9.044  | 13.372 | 141133.150 | 139410.441 | -1.236 |
| Aromatic C21-C36 | 24297615.000 | 180.000 | 13.373 | 18.832 | 134986.750 | 130193.774 | -3.681 |
| Aromatic EPH     | 49458100.000 | 360.000 | 4.457  | 18.832 | 137383.611 | 133824.086 | -2.660 |

|                   |                    |                    |                   |
|-------------------|--------------------|--------------------|-------------------|
| Lab Sample ID:    | 20 PPM AROMATIC HC | Acq On:            | 20 Mar 2025 11:24 |
| Client Sample ID: |                    | Operator:          | YP\AJ             |
| Data file:        | FG015512.D         | Misc:              |                   |
| Instrument:       | FID_G              | ALS Vial:          | 61                |
| Dilution Factor:  | 1                  | Sample Multiplier: | 1.00              |

| Compound         | R.T.   |        | Response     | Conc    | Units |
|------------------|--------|--------|--------------|---------|-------|
| Aromatic C10-C12 | 4.457  | 6.336  | 5476572.000  | 40.000  | ug/ml |
| Aromatic C12-C16 | 6.337  | 9.043  | 8393261.000  | 60.000  | ug/ml |
| Aromatic C16-C21 | 9.044  | 13.372 | 11290652.000 | 80.000  | ug/ml |
| Aromatic C21-C36 | 13.373 | 18.832 | 24297615.000 | 180.000 | ug/ml |
| Aromatic EPH     | 4.457  | 18.832 | 49458100.000 | 360.000 | ug/ml |



Continuing Calibration Report for SequenceID : FG032025AR

| Parameter | AreaCount | Conc. | RT_Min | RT_Max | Response Factor | AVGRF | %DEV |
|-----------|-----------|-------|--------|--------|-----------------|-------|------|
|-----------|-----------|-------|--------|--------|-----------------|-------|------|

File ID : FG015523.D

|                  |              |         |        |        |            |            |        |
|------------------|--------------|---------|--------|--------|------------|------------|--------|
| Aromatic C10-C12 | 5657327.000  | 40.000  | 4.457  | 6.336  | 141433.175 | 133996.317 | -5.550 |
| Aromatic C12-C16 | 8663436.000  | 60.000  | 6.337  | 9.043  | 144390.600 | 137151.728 | -5.278 |
| Aromatic C16-C21 | 11637052.000 | 80.000  | 9.044  | 13.372 | 145463.150 | 139410.441 | -4.342 |
| Aromatic C21-C36 | 23725751.000 | 180.000 | 13.373 | 18.832 | 131809.728 | 130193.774 | -1.241 |
| Aromatic EPH     | 49683566.000 | 360.000 | 4.457  | 18.832 | 138009.906 | 133824.086 | -3.128 |

|                   |                    |                    |                   |
|-------------------|--------------------|--------------------|-------------------|
| Lab Sample ID:    | 20 PPM AROMATIC HC | Acq On:            | 20 Mar 2025 18:23 |
| Client Sample ID: |                    | Operator:          | YP\AJ             |
| Data file:        | FG015523.D         | Misc:              |                   |
| Instrument:       | FID_G              | ALS Vial:          | 61                |
| Dilution Factor:  | 1                  | Sample Multiplier: | 1.00              |

| Compound         | R.T.   |        | Response     | Conc    | Units |
|------------------|--------|--------|--------------|---------|-------|
| Aromatic C10-C12 | 4.457  | 6.336  | 5657327.000  | 40.000  | ug/ml |
| Aromatic C12-C16 | 6.337  | 9.043  | 8663436.000  | 60.000  | ug/ml |
| Aromatic C16-C21 | 9.044  | 13.372 | 11637052.000 | 80.000  | ug/ml |
| Aromatic C21-C36 | 13.373 | 18.832 | 23725751.000 | 180.000 | ug/ml |
| Aromatic EPH     | 4.457  | 18.832 | 49683566.000 | 360.000 | ug/ml |

Continuing Calibration Report for SequenceID : FG032025AR

| Parameter | AreaCount | Conc. | RT_Min | RT_Max | Response Factor | AVGRF | %DEV |
|-----------|-----------|-------|--------|--------|-----------------|-------|------|
|-----------|-----------|-------|--------|--------|-----------------|-------|------|

File ID : FG015530.D

|                  |              |         |        |        |            |            |        |
|------------------|--------------|---------|--------|--------|------------|------------|--------|
| Aromatic C10-C12 | 5735754.000  | 40.000  | 4.457  | 6.336  | 143393.850 | 133996.317 | -7.013 |
| Aromatic C12-C16 | 8839332.000  | 60.000  | 6.337  | 9.043  | 147322.200 | 137151.728 | -7.415 |
| Aromatic C16-C21 | 11778156.000 | 80.000  | 9.044  | 13.372 | 147226.950 | 139410.441 | -5.607 |
| Aromatic C21-C36 | 24006831.000 | 180.000 | 13.373 | 18.832 | 133371.283 | 130193.774 | -2.441 |
| Aromatic EPH     | 50360073.000 | 360.000 | 4.457  | 18.832 | 139889.092 | 133824.086 | -4.532 |

|                   |                    |                    |                   |
|-------------------|--------------------|--------------------|-------------------|
| Lab Sample ID:    | 20 PPM AROMATIC HC | Acq On:            | 20 Mar 2025 23:47 |
| Client Sample ID: |                    | Operator:          | YPAJ              |
| Data file:        | FG015530.D         | Misc:              |                   |
| Instrument:       | FID_G              | ALS Vial:          | 61                |
| Dilution Factor:  | 1                  | Sample Multiplier: | 1.00              |

| Compound         | R.T.   |        | Response     | Conc    | Units |
|------------------|--------|--------|--------------|---------|-------|
| Aromatic C10-C12 | 4.457  | 6.336  | 5735754.000  | 40.000  | ug/ml |
| Aromatic C12-C16 | 6.337  | 9.043  | 8839332.000  | 60.000  | ug/ml |
| Aromatic C16-C21 | 9.044  | 13.372 | 11778156.000 | 80.000  | ug/ml |
| Aromatic C21-C36 | 13.373 | 18.832 | 24006831.000 | 180.000 | ug/ml |
| Aromatic EPH     | 4.457  | 18.832 | 50360073.000 | 360.000 | ug/ml |



# SAMPLE RAW DATA

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_F\Data\FF032025AL\  
 Data File : FF015699.D  
 Signal(s) : FID2B.ch  
 Acq On : 20 Mar 2025 13:59  
 Operator : YP\AJ  
 Sample : Q1574-01  
 Misc :  
 ALS Vial : 74 Sample Multiplier: 1

Instrument :  
 FID\_F  
 ClientSampleId :  
 WC1

### Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/21/2025  
 Supervised By :mohammad ahmed 03/24/2025

Integration File: autoint1.e  
 Quant Time: Mar 20 16:24:05 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_F\Method\Aliphatic EPH 031725.M  
 Quant Title : GC Extractables  
 QLast Update : Tue Mar 18 02:31:19 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

Volume Inj. : 1 ul  
 Signal Phase : Rxi-1ms  
 Signal Info : 20M x 0.18mm x 0.18um

| Compound                       | R.T.   | Response | Conc Units    |
|--------------------------------|--------|----------|---------------|
| -----                          |        |          |               |
| System Monitoring Compounds    |        |          |               |
| 12) S 1-chlorooctadecane (S... | 13.378 | 6519038  | 57.440 ug/mlm |
| Spiked Amount                  | 50.000 | Recovery | = 114.88%     |

Target Compounds

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_F\Data\FF032025AL\  
Data File : FF015699.D  
Signal(s) : FID2B.ch  
Acq On : 20 Mar 2025 13:59  
Operator : YP\AJ  
Sample : Q1574-01  
Misc :  
ALS Vial : 74 Sample Multiplier: 1

## Instrument :

FID\_F

ClientSampleId :

WC1

## Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 03/21/2025

Supervised By :mohammad ahmed 03/24/2025

Integration File: autoint1.e

Quant Time: Mar 20 16:24:05 2025

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_F\Method\Aliphatic EPH 031725.M

Quant Title : GC Extractables

QLast Update : Tue Mar 18 02:31:19 2025

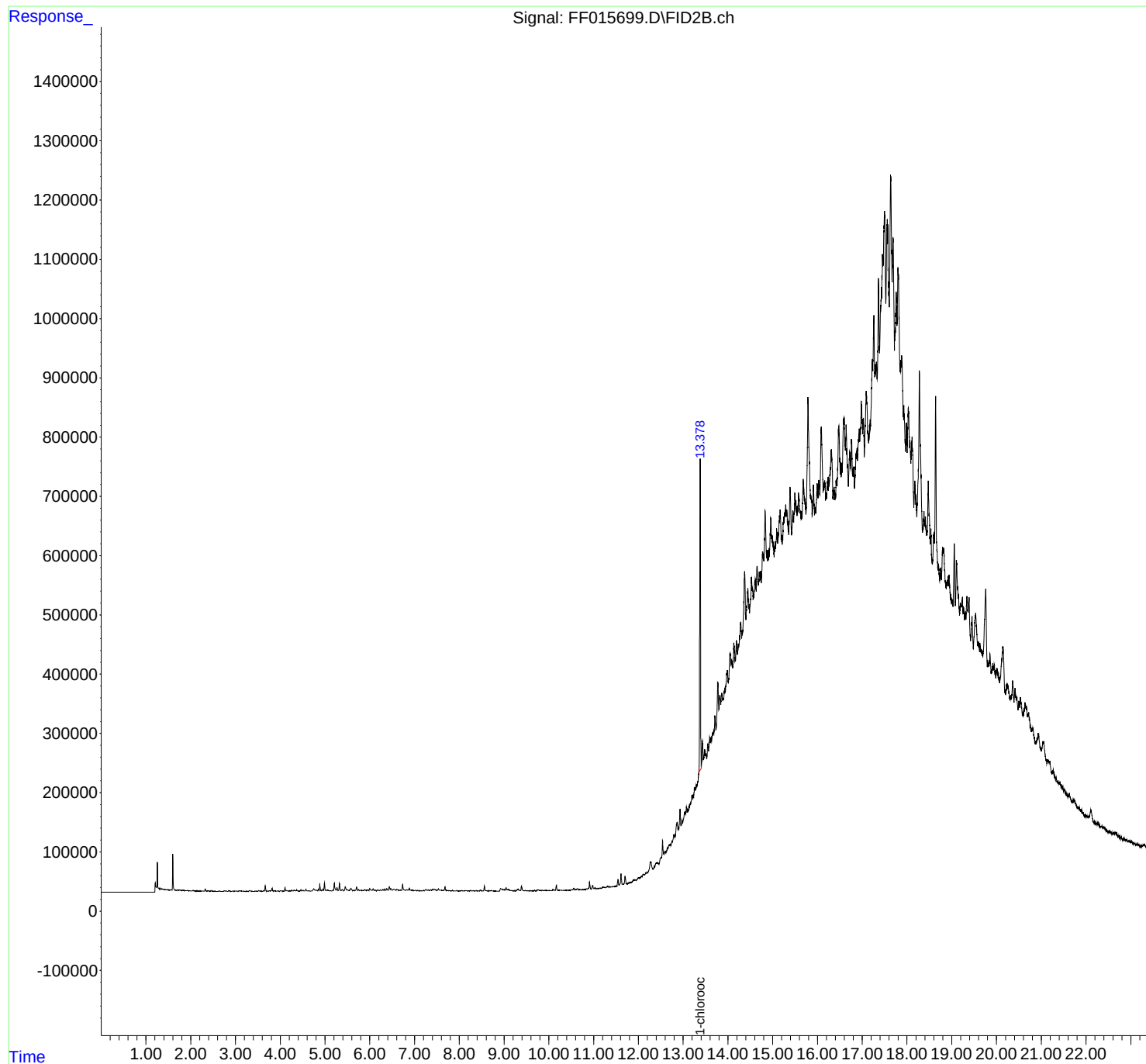
Response via : Initial Calibration

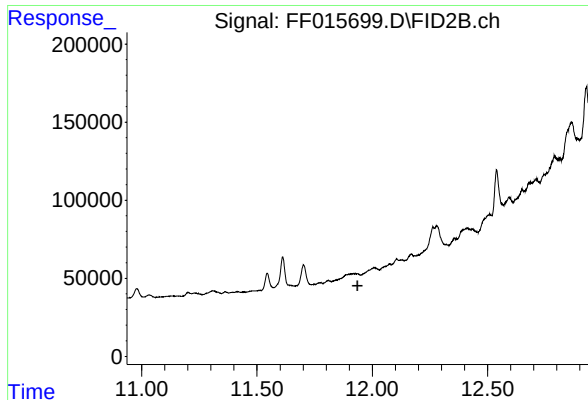
Integrator: ChemStation

Volume Inj. : 1 ul

Signal Phase : Rxi-1ms

Signal Info : 20M x 0.18mm x 0.18um





#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min  
Exp R.T.: 11.936 min  
Response: 0  
Conc: N.D.

Instrument :

FID\_F

ClientSampleId :

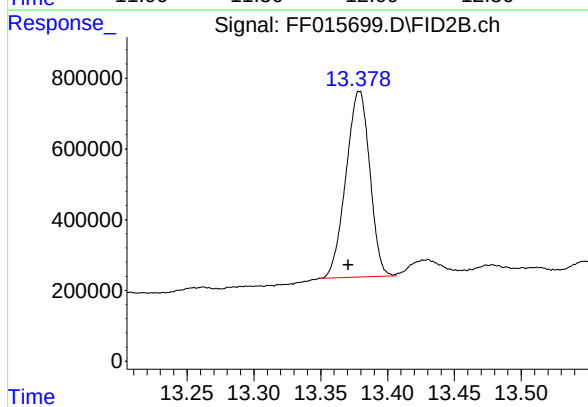
WC1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 03/21/2025

Supervised By :mohammad ahmed 03/24/2025



#12 1-chlorooctadecane (SURR)

R.T.: 13.378 min  
Delta R.T.: 0.007 min  
Response: 6519038  
Conc: 57.44 ug/ml m



Instrument :

FID\_F

ClientSampleId :

WC1

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 03/21/2025

Supervised By :mohammad ahmed 03/24/2025

rteres

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_F\Data\FF03202  
 Data File : FF015699.D  
 Signal(s) : FID2B.ch  
 Acq On : 20 Mar 2025 13:59  
 Sample : Q1574-01  
 Misc :  
 ALS Vial : 74 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID\_F\Method\Aliphatic EPH 031725.M  
 Title : GC Extractables

Signal : FID2B.ch

| peak<br># | R.T.<br>min | Start<br>min | End<br>min | PK<br>TY | peak<br>height | peak<br>area | peak<br>% max. | % of<br>total |
|-----------|-------------|--------------|------------|----------|----------------|--------------|----------------|---------------|
| 1         | 2.851       | 2.802        | 2.908      | BV       | 1434           | 18439        | 0.02%          | 0.001%        |
| 2         | 2.948       | 2.908        | 2.968      | PV       | 1016           | 17352        | 0.02%          | 0.001%        |
| 3         | 3.019       | 2.968        | 3.060      | VV       | 785            | 26912        | 0.03%          | 0.001%        |
| 4         | 3.091       | 3.060        | 3.106      | VV       | 1213           | 22149        | 0.03%          | 0.001%        |
| 5         | 3.116       | 3.106        | 3.157      | VV       | 827            | 17087        | 0.02%          | 0.001%        |
| 6         | 3.167       | 3.157        | 3.222      | VV       | 405            | 7948         | 0.01%          | 0.000%        |
| 7         | 3.238       | 3.222        | 3.257      | VV       | 287            | 3355         | 0.00%          | 0.000%        |
| 8         | 3.318       | 3.257        | 3.352      | VV       | 1695           | 37527        | 0.04%          | 0.001%        |
| 9         | 3.357       | 3.352        | 3.410      | VV       | 331            | 5770         | 0.01%          | 0.000%        |
| 10        | 3.455       | 3.410        | 3.475      | VV       | 713            | 13029        | 0.02%          | 0.001%        |
| 11        | 3.485       | 3.475        | 3.498      | VV       | 461            | 4592         | 0.01%          | 0.000%        |
| 12        | 3.521       | 3.498        | 3.541      | VV       | 1703           | 22253        | 0.03%          | 0.001%        |
| 13        | 3.554       | 3.541        | 3.582      | VV       | 685            | 10483        | 0.01%          | 0.000%        |
| 14        | 3.595       | 3.582        | 3.612      | VV       | 318            | 3950         | 0.00%          | 0.000%        |
| 15        | 3.631       | 3.612        | 3.641      | VV       | 1074           | 13043        | 0.02%          | 0.001%        |
| 16        | 3.666       | 3.641        | 3.691      | VV       | 9619           | 110657       | 0.13%          | 0.004%        |
| 17        | 3.702       | 3.691        | 3.726      | VV       | 860            | 12998        | 0.02%          | 0.001%        |
| 18        | 3.762       | 3.726        | 3.787      | VV       | 1387           | 29543        | 0.04%          | 0.001%        |
| 19        | 3.818       | 3.787        | 3.856      | VV       | 5395           | 81845        | 0.10%          | 0.003%        |
| 20        | 3.870       | 3.856        | 3.925      | VV       | 1131           | 27080        | 0.03%          | 0.001%        |
| 21        | 3.948       | 3.925        | 3.973      | VV       | 1374           | 19758        | 0.02%          | 0.001%        |
| 22        | 4.010       | 3.973        | 4.059      | VV       | 1118           | 30577        | 0.04%          | 0.001%        |
| 23        | 4.107       | 4.059        | 4.128      | VV       | 6099           | 76146        | 0.09%          | 0.003%        |
| 24        | 4.144       | 4.128        | 4.194      | VV       | 1611           | 37709        | 0.05%          | 0.001%        |
| 25        | 4.217       | 4.194        | 4.237      | VV       | 1053           | 20711        | 0.02%          | 0.001%        |
| 26        | 4.259       | 4.237        | 4.287      | VV       | 2326           | 37677        | 0.05%          | 0.001%        |
| 27        | 4.312       | 4.287        | 4.347      | VV       | 2448           | 49065        | 0.06%          | 0.002%        |
| 28        | 4.368       | 4.347        | 4.419      | VV       | 2409           | 52695        | 0.06%          | 0.002%        |
| 29        | 4.462       | 4.419        | 4.484      | VV       | 2807           | 46491        | 0.06%          | 0.002%        |
| 30        | 4.509       | 4.484        | 4.533      | VV       | 2014           | 36661        | 0.04%          | 0.001%        |
| 31        | 4.572       | 4.533        | 4.613      | VV       | 3592           | 68259        | 0.08%          | 0.003%        |
| 32        | 4.641       | 4.613        | 4.672      | VV       | 1083           | 27139        | 0.03%          | 0.001%        |
| 33        | 4.695       | 4.672        | 4.708      | VV       | 843            | 13582        | 0.02%          | 0.001%        |
| 34        | 4.747       | 4.708        | 4.805      | VV       | 4327           | 142450       | 0.17%          | 0.005%        |
| 35        | 4.816       | 4.805        | 4.835      | VV       | 2041           | 29156        | 0.03%          | 0.001%        |
| 36        | 4.851       | 4.835        | 4.865      | VV       | 3633           | 41897        | 0.05%          | 0.002%        |

| Parameters |       |       |       |    |       |        |       |        |  |
|------------|-------|-------|-------|----|-------|--------|-------|--------|--|
| 37         | 4.885 | 4.865 | 4.937 | VV | 9465  | 146900 | 0.18% | 0.006% |  |
| 38         | 4.956 | 4.937 | 4.969 | VV | 4204  | 50444  |       |        |  |
| 39         | 4.989 | 4.969 | 5.022 | VV | 14411 | 182387 |       |        |  |
| 40         | 5.048 | 5.022 | 5.066 | VV | 2895  | 50015  |       |        |  |
| 41         | 5.078 | 5.066 | 5.103 | VV | 2022  | 32637  |       |        |  |
| 42         | 5.121 | 5.103 | 5.159 | VV | 1282  | 31801  |       |        |  |
| 43         | 5.180 | 5.159 | 5.188 | VV | 2302  | 27427  | 0.03% | 0.001% |  |
| 44         | 5.208 | 5.188 | 5.250 | VV | 13892 | 213286 | 0.26% | 0.008% |  |
| 45         | 5.268 | 5.250 | 5.294 | VV | 6160  | 91603  | 0.11% | 0.004% |  |
| 46         | 5.324 | 5.294 | 5.356 | VV | 13888 | 185697 | 0.22% | 0.007% |  |
| 47         | 5.391 | 5.356 | 5.417 | VV | 3294  | 79784  | 0.10% | 0.003% |  |
| 48         | 5.453 | 5.417 | 5.483 | VV | 7960  | 152365 | 0.18% | 0.006% |  |
| 49         | 5.496 | 5.483 | 5.531 | VV | 2947  | 64942  | 0.08% | 0.003% |  |
| 50         | 5.576 | 5.531 | 5.624 | VV | 4793  | 149417 | 0.18% | 0.006% |  |
| 51         | 5.643 | 5.624 | 5.660 | VV | 2472  | 36051  | 0.04% | 0.001% |  |
| 52         | 5.706 | 5.660 | 5.732 | VV | 7499  | 142975 | 0.17% | 0.006% |  |
| 53         | 5.748 | 5.732 | 5.766 | VV | 3165  | 44249  | 0.05% | 0.002% |  |
| 54         | 5.782 | 5.766 | 5.812 | VV | 1990  | 45073  | 0.05% | 0.002% |  |
| 55         | 5.827 | 5.812 | 5.842 | VV | 1763  | 28007  | 0.03% | 0.001% |  |
| 56         | 5.854 | 5.842 | 5.866 | VV | 1586  | 19334  | 0.02% | 0.001% |  |
| 57         | 5.889 | 5.866 | 5.918 | VV | 3250  | 67404  | 0.08% | 0.003% |  |
| 58         | 5.952 | 5.918 | 5.980 | VV | 2225  | 68768  | 0.08% | 0.003% |  |
| 59         | 5.999 | 5.980 | 6.052 | VV | 4836  | 118583 | 0.14% | 0.005% |  |
| 60         | 6.076 | 6.052 | 6.100 | VV | 4296  | 76044  | 0.09% | 0.003% |  |
| 61         | 6.133 | 6.100 | 6.153 | VV | 1992  | 51018  | 0.06% | 0.002% |  |
| 62         | 6.181 | 6.153 | 6.212 | VV | 2846  | 57311  | 0.07% | 0.002% |  |
| 63         | 6.238 | 6.212 | 6.272 | VV | 2802  | 63646  | 0.08% | 0.002% |  |
| 64         | 6.293 | 6.272 | 6.311 | VV | 3261  | 57212  | 0.07% | 0.002% |  |
| 65         | 6.335 | 6.311 | 6.358 | VV | 3814  | 73099  | 0.09% | 0.003% |  |
| 66         | 6.380 | 6.358 | 6.412 | VV | 4804  | 93821  | 0.11% | 0.004% |  |
| 67         | 6.438 | 6.412 | 6.458 | VV | 7700  | 131512 | 0.16% | 0.005% |  |
| 68         | 6.470 | 6.458 | 6.498 | VV | 4660  | 82423  | 0.10% | 0.003% |  |
| 69         | 6.534 | 6.498 | 6.585 | VV | 3472  | 146174 | 0.17% | 0.006% |  |
| 70         | 6.605 | 6.585 | 6.665 | VV | 3621  | 114635 | 0.14% | 0.004% |  |
| 71         | 6.682 | 6.665 | 6.708 | VV | 1871  | 41877  | 0.05% | 0.002% |  |
| 72         | 6.735 | 6.708 | 6.802 | VV | 11590 | 221296 | 0.26% | 0.009% |  |
| 73         | 6.821 | 6.802 | 6.839 | VV | 2777  | 48249  | 0.06% | 0.002% |  |
| 74         | 6.855 | 6.839 | 6.869 | VV | 2869  | 42206  | 0.05% | 0.002% |  |
| 75         | 6.886 | 6.869 | 6.909 | VV | 5032  | 74368  | 0.09% | 0.003% |  |
| 76         | 6.921 | 6.909 | 6.940 | VV | 2415  | 35245  | 0.04% | 0.001% |  |
| 77         | 6.960 | 6.940 | 6.995 | VV | 2647  | 52263  | 0.06% | 0.002% |  |
| 78         | 7.023 | 6.995 | 7.048 | VV | 1769  | 41138  | 0.05% | 0.002% |  |
| 79         | 7.068 | 7.048 | 7.087 | VV | 1660  | 29727  | 0.04% | 0.001% |  |
| 80         | 7.101 | 7.087 | 7.116 | VV | 1272  | 17226  | 0.02% | 0.001% |  |
| 81         | 7.130 | 7.116 | 7.158 | VV | 1020  | 21006  | 0.03% | 0.001% |  |
| 82         | 7.188 | 7.158 | 7.219 | VV | 1428  | 35029  | 0.04% | 0.001% |  |
| 83         | 7.246 | 7.219 | 7.283 | VV | 3136  | 81998  | 0.10% | 0.003% |  |
| 84         | 7.308 | 7.283 | 7.334 | VV | 2690  | 53598  | 0.06% | 0.002% |  |
| 85         | 7.355 | 7.334 | 7.381 | VV | 2637  | 55822  | 0.07% | 0.002% |  |
| 86         | 7.411 | 7.381 | 7.435 | VV | 3846  | 85554  | 0.10% | 0.003% |  |
| 87         | 7.453 | 7.435 | 7.496 | VV | 3661  | 92348  | 0.11% | 0.004% |  |
| 88         | 7.535 | 7.496 | 7.565 | VV | 4192  | 97535  | 0.12% | 0.004% |  |
| 89         | 7.581 | 7.565 | 7.632 | VV | 1927  | 66994  | 0.08% | 0.003% |  |

Instrument :

FID\_F

ClientSampleId :

WC1

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 03/21/2025

Supervised By :mohammad ahmed 03/24/2025

|     |        |        |        |    |      |        | Instrument :<br>FID_F                    |        | A |
|-----|--------|--------|--------|----|------|--------|------------------------------------------|--------|---|
|     |        |        |        |    |      |        | ClientSampleId :<br>WC1                  |        |   |
| 90  | 7.641  | 7.632  | 7.658  | VV | 1655 | 23557  | 0.03%                                    | 0.001% | B |
| 91  | 7.681  | 7.658  | 7.754  | VV | 7519 | 133940 | Manual IntegrationsAPPROVED              |        | C |
| 92  | 7.771  | 7.754  | 7.829  | VV | 1347 | 42145  |                                          |        | D |
| 93  | 7.853  | 7.829  | 7.878  | VV | 1174 | 24714  | Reviewed By :Yogesh Patel 03/21/2025     |        | E |
| 94  | 7.894  | 7.878  | 7.913  | VV | 590  | 10757  | Supervised By :mohammad ahmed 03/24/2025 |        | F |
| 95  | 7.943  | 7.913  | 7.982  | VV | 1514 | 28736  |                                          |        | G |
| 96  | 7.997  | 7.982  | 8.008  | VV | 450  | 5617   | 0.01%                                    | 0.000% | H |
| 97  | 8.045  | 8.008  | 8.064  | VV | 1187 | 27401  | 0.03%                                    | 0.001% | I |
| 98  | 8.075  | 8.064  | 8.097  | VV | 966  | 14543  | 0.02%                                    | 0.001% | J |
| 99  | 8.115  | 8.097  | 8.126  | VV | 718  | 10756  | 0.01%                                    | 0.000% |   |
| 100 | 8.144  | 8.126  | 8.195  | VV | 1101 | 32358  | 0.04%                                    | 0.001% |   |
| 101 | 8.209  | 8.195  | 8.232  | VV | 957  | 13083  | 0.02%                                    | 0.001% |   |
| 102 | 8.254  | 8.232  | 8.275  | VV | 1708 | 22205  | 0.03%                                    | 0.001% |   |
| 103 | 8.311  | 8.275  | 8.336  | VV | 1308 | 25139  | 0.03%                                    | 0.001% |   |
| 104 | 8.379  | 8.336  | 8.413  | VV | 1325 | 28139  | 0.03%                                    | 0.001% |   |
| 105 | 8.429  | 8.413  | 8.437  | VV | 453  | 5396   | 0.01%                                    | 0.000% |   |
| 106 | 8.473  | 8.437  | 8.528  | VV | 1982 | 48880  | 0.06%                                    | 0.002% |   |
| 107 | 8.562  | 8.528  | 8.642  | VV | 8633 | 134385 | 0.16%                                    | 0.005% |   |
| 108 | 8.675  | 8.642  | 8.690  | VV | 804  | 19503  | 0.02%                                    | 0.001% |   |
| 109 | 8.712  | 8.690  | 8.737  | VV | 1025 | 20908  | 0.03%                                    | 0.001% |   |
| 110 | 8.755  | 8.737  | 8.775  | VV | 550  | 9386   | 0.01%                                    | 0.000% |   |
| 111 | 8.796  | 8.775  | 8.843  | VV | 777  | 12849  | 0.02%                                    | 0.000% |   |
| 112 | 8.852  | 8.843  | 8.872  | VV | 106  | 1131   | 0.00%                                    | 0.000% |   |
| 113 | 8.925  | 8.872  | 9.005  | PV | 4736 | 185867 | 0.22%                                    | 0.007% |   |
| 114 | 9.045  | 9.005  | 9.081  | VV | 5628 | 139621 | 0.17%                                    | 0.005% |   |
| 115 | 9.100  | 9.081  | 9.140  | VV | 3347 | 71986  | 0.09%                                    | 0.003% |   |
| 116 | 9.157  | 9.140  | 9.196  | VV | 1107 | 25958  | 0.03%                                    | 0.001% |   |
| 117 | 9.216  | 9.196  | 9.241  | VV | 778  | 15249  | 0.02%                                    | 0.001% |   |
| 118 | 9.255  | 9.241  | 9.264  | VV | 526  | 6513   | 0.01%                                    | 0.000% |   |
| 119 | 9.317  | 9.264  | 9.363  | VV | 2882 | 96861  | 0.12%                                    | 0.004% |   |
| 120 | 9.390  | 9.363  | 9.455  | VV | 8291 | 139296 | 0.17%                                    | 0.005% |   |
| 121 | 9.475  | 9.455  | 9.505  | VV | 1125 | 17952  | 0.02%                                    | 0.001% |   |
| 122 | 9.523  | 9.505  | 9.554  | VV | 458  | 7748   | 0.01%                                    | 0.000% |   |
| 123 | 9.576  | 9.554  | 9.595  | PV | 368  | 4831   | 0.01%                                    | 0.000% |   |
| 124 | 9.610  | 9.595  | 9.638  | VV | 214  | 4570   | 0.01%                                    | 0.000% |   |
| 125 | 9.689  | 9.638  | 9.712  | VV | 566  | 14149  | 0.02%                                    | 0.001% |   |
| 126 | 9.757  | 9.712  | 9.793  | VV | 1936 | 47350  | 0.06%                                    | 0.002% |   |
| 127 | 9.807  | 9.793  | 9.822  | VV | 776  | 10599  | 0.01%                                    | 0.000% |   |
| 128 | 9.848  | 9.822  | 9.873  | VV | 872  | 19456  | 0.02%                                    | 0.001% |   |
| 129 | 9.894  | 9.873  | 9.931  | VV | 1181 | 19995  | 0.02%                                    | 0.001% |   |
| 130 | 9.948  | 9.931  | 9.993  | VV | 958  | 12969  | 0.02%                                    | 0.001% |   |
| 131 | 10.011 | 9.993  | 10.061 | VV | 241  | 5416   | 0.01%                                    | 0.000% |   |
| 132 | 10.091 | 10.061 | 10.108 | PV | 2690 | 33874  | 0.04%                                    | 0.001% |   |
| 133 | 10.120 | 10.108 | 10.144 | VV | 1408 | 23436  | 0.03%                                    | 0.001% |   |
| 134 | 10.169 | 10.144 | 10.218 | VV | 9417 | 124507 | 0.15%                                    | 0.005% |   |
| 135 | 10.238 | 10.218 | 10.259 | VV | 768  | 14656  | 0.02%                                    | 0.001% |   |
| 136 | 10.271 | 10.259 | 10.302 | VV | 603  | 8553   | 0.01%                                    | 0.000% |   |
| 137 | 10.340 | 10.302 | 10.355 | VV | 260  | 3747   | 0.00%                                    | 0.000% |   |
| 138 | 10.400 | 10.355 | 10.427 | VV | 294  | 7785   | 0.01%                                    | 0.000% |   |
| 139 | 10.447 | 10.427 | 10.463 | VV | 365  | 3867   | 0.00%                                    | 0.000% |   |
| 140 | 10.517 | 10.463 | 10.530 | PV | 885  | 21548  | 0.03%                                    | 0.001% |   |
| 141 | 10.557 | 10.530 | 10.581 | VV | 3359 | 52589  | 0.06%                                    | 0.002% |   |

|                                          |        |        |        |    |        |          |        |        |   |
|------------------------------------------|--------|--------|--------|----|--------|----------|--------|--------|---|
| Instrument : FID_F                       |        |        |        |    |        |          |        |        |   |
| ClientSampleId : WC1                     |        |        |        |    |        |          |        |        |   |
| Manual IntegrationsAPPROVED              |        |        |        |    |        |          |        |        |   |
| Reviewed By :Yogesh Patel 03/21/2025     |        |        |        |    |        |          |        |        |   |
| Supervised By :mohammad ahmed 03/24/2025 |        |        |        |    |        |          |        |        |   |
|                                          | rteres |        |        |    |        |          |        |        |   |
| 142                                      | 10.604 | 10.581 | 10.619 | VV | 1571   | 24997    | 0.03%  | 0.001% | A |
| 143                                      | 10.640 | 10.619 | 10.681 | VV | 2418   | 46562    |        |        | B |
| 144                                      | 10.702 | 10.681 | 10.732 | VV | 979    | 14389    |        |        | C |
| 145                                      | 10.767 | 10.732 | 10.782 | PV | 502    | 6112     |        |        | D |
| 146                                      | 10.839 | 10.782 | 10.857 | VV | 1405   | 24174    |        |        | E |
| 147                                      | 10.908 | 10.857 | 10.944 | VV | 12645  | 186163   |        |        | F |
| 148                                      | 10.979 | 10.944 | 11.008 | VV | 6065   | 96024    | 0.11%  | 0.004% | G |
| 149                                      | 11.033 | 11.008 | 11.058 | VV | 1692   | 27699    | 0.03%  | 0.001% | H |
| 150                                      | 11.130 | 11.058 | 11.145 | VV | 482    | 12312    | 0.01%  | 0.000% | I |
| 151                                      | 11.156 | 11.145 | 11.172 | VV | 293    | 3206     | 0.00%  | 0.000% | J |
| 152                                      | 11.202 | 11.172 | 11.216 | PV | 2303   | 30967    | 0.04%  | 0.001% |   |
| 153                                      | 11.231 | 11.216 | 11.265 | VV | 1800   | 38691    | 0.05%  | 0.001% |   |
| 154                                      | 11.308 | 11.265 | 11.346 | VV | 2793   | 83521    | 0.10%  | 0.003% |   |
| 155                                      | 11.363 | 11.346 | 11.378 | VV | 1903   | 25838    | 0.03%  | 0.001% |   |
| 156                                      | 11.417 | 11.378 | 11.451 | VV | 1626   | 54762    | 0.07%  | 0.002% |   |
| 157                                      | 11.544 | 11.451 | 11.572 | VV | 12633  | 269171   | 0.32%  | 0.010% |   |
| 158                                      | 11.612 | 11.572 | 11.662 | VV | 22616  | 448257   | 0.54%  | 0.017% |   |
| 159                                      | 11.702 | 11.662 | 11.736 | VV | 17098  | 366772   | 0.44%  | 0.014% |   |
| 160                                      | 11.773 | 11.736 | 11.786 | VV | 5205   | 139682   | 0.17%  | 0.005% |   |
| 161                                      | 11.809 | 11.786 | 11.824 | VV | 6447   | 131355   | 0.16%  | 0.005% |   |
| 162                                      | 11.919 | 11.824 | 11.950 | VV | 10291  | 652295   | 0.78%  | 0.025% |   |
| 163                                      | 12.009 | 11.950 | 12.031 | VV | 13494  | 568110   | 0.68%  | 0.022% |   |
| 164                                      | 12.076 | 12.031 | 12.085 | VV | 15430  | 455035   | 0.54%  | 0.018% |   |
| 165                                      | 12.106 | 12.085 | 12.138 | VV | 18606  | 554032   | 0.66%  | 0.021% |   |
| 166                                      | 12.169 | 12.138 | 12.192 | VV | 21241  | 624112   | 0.75%  | 0.024% |   |
| 167                                      | 12.280 | 12.192 | 12.330 | VV | 38819  | 2370001  | 2.84%  | 0.091% |   |
| 168                                      | 12.357 | 12.330 | 12.367 | VV | 30197  | 627781   | 0.75%  | 0.024% |   |
| 169                                      | 12.413 | 12.367 | 12.458 | VV | 36517  | 1888418  | 2.26%  | 0.073% |   |
| 170                                      | 12.510 | 12.458 | 12.517 | VV | 44680  | 1439934  | 1.72%  | 0.056% |   |
| 171                                      | 12.539 | 12.517 | 12.568 | VV | 73051  | 1769902  | 2.12%  | 0.068% |   |
| 172                                      | 12.593 | 12.568 | 12.611 | VV | 55127  | 1364637  | 1.63%  | 0.053% |   |
| 173                                      | 12.711 | 12.611 | 12.728 | VV | 66213  | 4237639  | 5.07%  | 0.163% |   |
| 174                                      | 12.791 | 12.728 | 12.820 | VV | 80467  | 4075977  | 4.88%  | 0.157% |   |
| 175                                      | 12.864 | 12.820 | 12.899 | VV | 101734 | 4349148  | 5.21%  | 0.168% |   |
| 176                                      | 12.928 | 12.899 | 12.955 | VV | 123561 | 3515257  | 4.21%  | 0.136% |   |
| 177                                      | 12.978 | 12.955 | 12.995 | VV | 103833 | 2434131  | 2.91%  | 0.094% |   |
| 178                                      | 13.034 | 12.995 | 13.048 | VV | 117186 | 3569392  | 4.27%  | 0.138% |   |
| 179                                      | 13.074 | 13.048 | 13.098 | VV | 125561 | 3638555  | 4.36%  | 0.140% |   |
| 180                                      | 13.201 | 13.098 | 13.223 | VV | 145032 | 9852510  | 11.79% | 0.380% |   |
| 181                                      | 13.261 | 13.223 | 13.274 | VV | 158982 | 4619105  | 5.53%  | 0.178% |   |
| 182                                      | 13.379 | 13.274 | 13.405 | VV | 713099 | 20277644 | 24.27% | 0.782% |   |
| 183                                      | 13.429 | 13.405 | 13.455 | VV | 234530 | 6463433  | 7.74%  | 0.249% |   |
| 184                                      | 13.478 | 13.455 | 13.496 | VV | 220849 | 5300119  | 6.34%  | 0.204% |   |
| 185                                      | 13.511 | 13.496 | 13.526 | VV | 213495 | 3757961  | 4.50%  | 0.145% |   |
| 186                                      | 13.549 | 13.526 | 13.568 | VV | 229931 | 5554754  | 6.65%  | 0.214% |   |
| 187                                      | 13.592 | 13.568 | 13.606 | VV | 240469 | 5312064  | 6.36%  | 0.205% |   |
| 188                                      | 13.619 | 13.606 | 13.631 | VV | 239570 | 3531039  | 4.23%  | 0.136% |   |
| 189                                      | 13.709 | 13.631 | 13.730 | VV | 275160 | 14870254 | 17.80% | 0.573% |   |
| 190                                      | 13.774 | 13.730 | 13.797 | VV | 333004 | 11929903 | 14.28% | 0.460% |   |
| 191                                      | 13.819 | 13.797 | 13.838 | VV | 309476 | 7273690  | 8.71%  | 0.280% |   |
| 192                                      | 13.861 | 13.838 | 13.879 | VV | 314236 | 7639425  | 9.14%  | 0.295% |   |
| 193                                      | 13.984 | 13.879 | 14.008 | VV | 351949 | 25152538 | 30.11% | 0.970% |   |
| 194                                      | 14.050 | 14.008 | 14.069 | VV | 379196 | 13244306 | 15.85% | 0.511% |   |

|                      |        |        |        |    |        |          |        |        |   |
|----------------------|--------|--------|--------|----|--------|----------|--------|--------|---|
| Instrument : FID_F   |        |        |        |    |        |          |        |        |   |
| ClientSampleId : WC1 |        |        |        |    |        |          |        |        |   |
| 195                  | 14.082 | 14.069 | 14.108 | VV | 368652 | 8440007  | 10.10% | 0.325% | A |
| 196                  | 14.133 | 14.108 | 14.158 | VV | 394079 | 11375771 | 13.46% | 0.740% | B |
| 197                  | 14.189 | 14.158 | 14.214 | VV | 397789 | 12705588 | 15.07% | 0.518% | C |
| 198                  | 14.281 | 14.214 | 14.309 | VV | 430000 | 23107857 | 27.04% | 0.509% | D |
| 199                  | 14.372 | 14.309 | 14.401 | VV | 515222 | 25137939 | 30.04% | 1.001% | E |
| 200                  | 14.445 | 14.401 | 14.481 | VV | 481771 | 22219393 | 26.07% | 0.794% | F |
| 201                  | 14.524 | 14.481 | 14.565 | VV | 503599 | 24030789 | 28.77% | 0.298% | G |
| 202                  | 14.612 | 14.565 | 14.631 | VV | 500743 | 19190887 | 22.97% | 0.484% | H |
| 203                  | 14.650 | 14.631 | 14.675 | VV | 522769 | 13426482 | 16.07% | 0.811% | I |
| 204                  | 14.702 | 14.675 | 14.719 | VV | 510676 | 13202762 | 15.80% | 0.590% | J |
| 205                  | 14.773 | 14.719 | 14.801 | VV | 545111 | 25955860 | 31.07% | 0.640% |   |
| 206                  | 14.831 | 14.801 | 14.861 | VV | 611759 | 20591587 | 24.65% | 0.882% |   |
| 207                  | 14.870 | 14.861 | 14.885 | VV | 547640 | 7725194  | 9.25%  | 0.657% |   |
| 208                  | 14.896 | 14.885 | 14.924 | VV | 547956 | 12541468 | 15.01% | 1.090% |   |
| 209                  | 14.957 | 14.924 | 14.985 | VV | 601125 | 21023429 | 25.17% | 1.330% |   |
| 210                  | 14.992 | 14.985 | 15.031 | VV | 569326 | 15292747 | 18.31% | 0.429% |   |
| 211                  | 15.056 | 15.031 | 15.064 | VV | 559501 | 11137305 | 13.33% | 0.595% |   |
| 212                  | 15.089 | 15.064 | 15.109 | VV | 577544 | 15422886 | 18.46% | 1.424% |   |
| 213                  | 15.166 | 15.109 | 15.215 | VV | 613954 | 36930701 | 44.21% | 0.588% |   |
| 214                  | 15.246 | 15.215 | 15.258 | VV | 601464 | 15253882 | 18.26% | 0.754% |   |
| 215                  | 15.290 | 15.258 | 15.312 | VV | 622999 | 19548828 | 23.40% | 0.640% |   |
| 216                  | 15.317 | 15.312 | 15.358 | VV | 608539 | 16609292 | 19.88% | 0.882% |   |
| 217                  | 15.388 | 15.358 | 15.421 | VV | 651955 | 22873475 | 27.38% | 0.657% |   |
| 218                  | 15.447 | 15.421 | 15.468 | VV | 611231 | 17025325 | 20.38% | 1.090% |   |
| 219                  | 15.496 | 15.468 | 15.544 | VV | 640542 | 28264744 | 33.83% | 1.330% |   |
| 220                  | 15.578 | 15.544 | 15.638 | VV | 638356 | 34500386 | 41.30% | 1.534% |   |
| 221                  | 15.684 | 15.638 | 15.744 | VV | 660486 | 39772084 | 47.61% | 2.192% |   |
| 222                  | 15.788 | 15.744 | 15.884 | VV | 797864 | 56837350 | 68.04% | 0.751% |   |
| 223                  | 15.910 | 15.884 | 15.936 | VV | 654128 | 19463695 | 23.30% | 0.351% |   |
| 224                  | 15.951 | 15.936 | 15.961 | VV | 610371 | 9092893  | 10.88% | 0.745% |   |
| 225                  | 15.994 | 15.961 | 16.011 | VV | 650785 | 19327644 | 23.14% | 0.552% |   |
| 226                  | 16.029 | 16.011 | 16.048 | VV | 657173 | 14327637 | 17.15% | 1.328% |   |
| 227                  | 16.083 | 16.048 | 16.132 | VV | 748383 | 34428055 | 41.21% | 1.040% |   |
| 228                  | 16.157 | 16.132 | 16.201 | VV | 656016 | 26961025 | 32.27% | 0.605% |   |
| 229                  | 16.230 | 16.201 | 16.242 | VV | 662195 | 15693361 | 18.79% | 0.224% |   |
| 230                  | 16.250 | 16.242 | 16.256 | VV | 660853 | 5820079  | 6.97%  | 1.434% |   |
| 231                  | 16.311 | 16.256 | 16.348 | VV | 708763 | 37185565 | 44.51% | 0.670% |   |
| 232                  | 16.370 | 16.348 | 16.394 | VV | 644044 | 17387884 | 20.81% | 0.642% |   |
| 233                  | 16.429 | 16.394 | 16.437 | VV | 656920 | 16646879 | 19.93% | 1.151% |   |
| 234                  | 16.477 | 16.437 | 16.507 | VV | 748355 | 29857054 | 35.74% | 0.397% |   |
| 235                  | 16.517 | 16.507 | 16.533 | VV | 687108 | 10297370 | 12.33% | 1.482% |   |
| 236                  | 16.597 | 16.533 | 16.622 | VV | 762207 | 38433676 | 46.01% | 1.089% |   |
| 237                  | 16.641 | 16.622 | 16.689 | VV | 748521 | 28231941 | 33.79% | 0.857% |   |
| 238                  | 16.720 | 16.689 | 16.743 | VV | 703839 | 22233658 | 26.61% | 0.886% |   |
| 239                  | 16.762 | 16.743 | 16.798 | VV | 720901 | 22976295 | 27.50% | 0.452% |   |
| 240                  | 16.809 | 16.798 | 16.828 | VV | 676491 | 11725533 | 14.04% | 1.066% |   |
| 241                  | 16.882 | 16.828 | 16.895 | VV | 707446 | 27645336 | 33.09% | 0.835% |   |
| 242                  | 16.935 | 16.895 | 16.945 | VV | 732356 | 21665752 | 25.93% | 1.113% |   |
| 243                  | 16.980 | 16.945 | 17.009 | VV | 786007 | 28856173 | 34.54% | 0.648% |   |
| 244                  | 17.027 | 17.009 | 17.047 | VV | 757996 | 16794472 | 20.10% | 1.686% |   |
| 245                  | 17.089 | 17.047 | 17.143 | VV | 802484 | 43716649 | 52.33% | 1.680% |   |
| 246                  | 17.226 | 17.143 | 17.237 | VV | 856395 | 43573409 | 52.16% |        |   |

|                                          |        |        |        |    |         |          |         |        |
|------------------------------------------|--------|--------|--------|----|---------|----------|---------|--------|
| Instrument : FID_F                       |        |        |        |    |         |          |         |        |
| ClientSampleId : WC1                     |        |        |        |    |         |          |         |        |
| Manual IntegrationsAPPROVED              |        |        |        |    |         |          |         |        |
| Reviewed By :Yogesh Patel 03/21/2025     |        |        |        |    |         |          |         |        |
| Supervised By :mohammad ahmed 03/24/2025 |        |        |        |    |         |          |         |        |
|                                          | rteres |        |        |    |         |          |         |        |
| 247                                      | 17.258 | 17.237 | 17.280 | VV | 927761  | 23106327 | 27.66%  | 0.891% |
| 248                                      | 17.319 | 17.280 | 17.333 | VV | 850639  | 26321494 | 31.34%  | 0.891% |
| 249                                      | 17.363 | 17.333 | 17.387 | VV | 988595  | 29197522 | 34.34%  | 0.891% |
| 250                                      | 17.500 | 17.387 | 17.526 | VV | 1099819 | 83541233 | 100.00% | 0.891% |
| 251                                      | 17.557 | 17.526 | 17.605 | VV | 1087213 | 48438005 | 57.68%  | 1.246% |
| 252                                      | 17.634 | 17.605 | 17.667 | VV | 1161163 | 39849615 | 47.34%  | 1.246% |
| 253                                      | 17.687 | 17.667 | 17.722 | VV | 1055808 | 32317438 | 38.68%  | 1.246% |
| 254                                      | 17.759 | 17.722 | 17.778 | VV | 958484  | 31192179 | 37.34%  | 1.203% |
| 255                                      | 17.800 | 17.778 | 17.853 | VV | 1003511 | 41688096 | 49.90%  | 1.608% |
| 256                                      | 17.880 | 17.853 | 17.918 | VV | 858278  | 32374746 | 38.75%  | 1.248% |
| 257                                      | 17.930 | 17.918 | 17.965 | VV | 770505  | 20925079 | 25.05%  | 0.807% |
| 258                                      | 17.986 | 17.965 | 18.005 | VV | 742821  | 17093132 | 20.46%  | 0.659% |
| 259                                      | 18.031 | 18.005 | 18.083 | VV | 766911  | 34178167 | 40.91%  | 1.318% |
| 260                                      | 18.112 | 18.083 | 18.152 | VV | 717426  | 28328195 | 33.91%  | 1.092% |
| 261                                      | 18.175 | 18.152 | 18.219 | VV | 645505  | 24637631 | 29.49%  | 0.950% |
| 262                                      | 18.277 | 18.219 | 18.362 | VV | 831282  | 56232882 | 67.31%  | 2.168% |
| 263                                      | 18.378 | 18.362 | 18.395 | VV | 592824  | 11673694 | 13.97%  | 0.450% |
| 264                                      | 18.411 | 18.395 | 18.448 | VV | 583299  | 18087040 | 21.65%  | 0.697% |
| 265                                      | 18.474 | 18.448 | 18.521 | VV | 643024  | 25582440 | 30.62%  | 0.986% |
| 266                                      | 18.534 | 18.521 | 18.562 | VV | 559459  | 13087699 | 15.67%  | 0.505% |
| 267                                      | 18.602 | 18.562 | 18.612 | VV | 554286  | 16053518 | 19.22%  | 0.619% |
| 268                                      | 18.639 | 18.612 | 18.732 | VV | 785034  | 40268307 | 48.20%  | 1.553% |
| 269                                      | 18.754 | 18.732 | 18.768 | VV | 492792  | 10598988 | 12.69%  | 0.409% |
| 270                                      | 18.799 | 18.768 | 18.881 | VV | 528634  | 33785249 | 40.44%  | 1.303% |
| 271                                      | 18.916 | 18.881 | 18.924 | VV | 480060  | 12327234 | 14.76%  | 0.475% |
| 272                                      | 18.938 | 18.924 | 19.027 | VV | 480033  | 27839930 | 33.32%  | 1.074% |
| 273                                      | 19.056 | 19.027 | 19.081 | VV | 535140  | 15600865 | 18.67%  | 0.602% |
| 274                                      | 19.106 | 19.081 | 19.174 | VV | 505850  | 25471750 | 30.49%  | 0.982% |
| 275                                      | 19.195 | 19.174 | 19.218 | VV | 431834  | 11470570 | 13.73%  | 0.442% |
| 276                                      | 19.235 | 19.218 | 19.285 | VV | 442217  | 17005701 | 20.36%  | 0.656% |
| 277                                      | 19.294 | 19.285 | 19.318 | VV | 415379  | 8201380  | 9.82%   | 0.316% |
| 278                                      | 19.342 | 19.318 | 19.368 | VV | 442281  | 13020205 | 15.59%  | 0.502% |
| 279                                      | 19.384 | 19.368 | 19.420 | VV | 436820  | 12768593 | 15.28%  | 0.492% |
| 280                                      | 19.451 | 19.420 | 19.481 | VV | 410404  | 14167661 | 16.96%  | 0.546% |
| 281                                      | 19.535 | 19.481 | 19.619 | VV | 413637  | 31319411 | 37.49%  | 1.208% |
| 282                                      | 19.630 | 19.619 | 19.695 | VV | 365080  | 16108651 | 19.28%  | 0.621% |
| 283                                      | 19.758 | 19.695 | 19.817 | VV | 454653  | 27573983 | 33.01%  | 1.063% |
| 284                                      | 19.854 | 19.817 | 19.884 | VV | 344518  | 13241260 | 15.85%  | 0.511% |
| 285                                      | 19.950 | 19.884 | 19.988 | VV | 326969  | 19858656 | 23.77%  | 0.766% |
| 286                                      | 20.004 | 19.988 | 20.071 | VV | 318333  | 15329008 | 18.35%  | 0.591% |
| 287                                      | 20.145 | 20.071 | 20.200 | VV | 355793  | 24717880 | 29.59%  | 0.953% |
| 288                                      | 20.241 | 20.200 | 20.298 | VV | 292819  | 16633694 | 19.91%  | 0.641% |
| 289                                      | 20.318 | 20.298 | 20.331 | VV | 270737  | 5245078  | 6.28%   | 0.202% |
| 290                                      | 20.362 | 20.331 | 20.388 | VV | 295998  | 9599140  | 11.49%  | 0.370% |
| 291                                      | 20.411 | 20.388 | 20.482 | VV | 282134  | 14977665 | 17.93%  | 0.578% |
| 292                                      | 20.499 | 20.482 | 20.518 | VV | 261923  | 5519155  | 6.61%   | 0.213% |
| 293                                      | 20.535 | 20.518 | 20.593 | VV | 267919  | 11382917 | 13.63%  | 0.439% |
| 294                                      | 20.636 | 20.593 | 20.709 | VV | 257350  | 17152298 | 20.53%  | 0.661% |
| 295                                      | 20.719 | 20.709 | 20.785 | VV | 240099  | 10144789 | 12.14%  | 0.391% |
| 296                                      | 20.808 | 20.785 | 20.862 | VV | 215239  | 9445548  | 11.31%  | 0.364% |
| 297                                      | 20.875 | 20.862 | 20.885 | VV | 191848  | 2627988  | 3.15%   | 0.101% |
| 298                                      | 20.929 | 20.885 | 20.999 | VV | 204873  | 13091734 | 15.67%  | 0.505% |
| 299                                      | 21.035 | 20.999 | 21.128 | VV | 190842  | 13528247 | 16.19%  | 0.522% |

|                         |        |        |        |     |            |          |        |        |   |
|-------------------------|--------|--------|--------|-----|------------|----------|--------|--------|---|
| Instrument : FID_F      |        |        |        |     |            |          |        |        |   |
| ClientSampleId : WC1    |        |        |        |     |            |          |        |        |   |
| 300                     | 21.138 | 21.128 | 21.243 | VV  | 159438     | 10378382 | 12.42% | 0.400% | A |
| 301                     | 21.268 | 21.243 | 21.356 | VV  | 140534     | 8836586  | 10.42% | 0.350% | B |
| 302                     | 21.371 | 21.356 | 21.473 | VV  | 122541     | 8212297  | 9.95%  | 0.320% | C |
| 303                     | 21.481 | 21.473 | 21.604 | VV  | 112201     | 8046718  | 9.80%  | 0.310% | D |
| 304                     | 21.620 | 21.604 | 21.676 | VV  | 99659      | 4006055  | 4.49%  | 0.140% | E |
| 305                     | 21.685 | 21.676 | 21.704 | VV  | 86794      | 1443539  | 1.59%  | 0.050% | F |
| 306                     | 21.718 | 21.704 | 21.802 | VV  | 87619      | 4879743  | 5.84%  | 0.188% | G |
| 307                     | 21.812 | 21.802 | 21.821 | VV  | 75965      | 886165   | 1.06%  | 0.034% | H |
| 308                     | 21.836 | 21.821 | 21.884 | VV  | 76055      | 2711237  | 3.25%  | 0.105% | I |
| 309                     | 21.896 | 21.884 | 21.962 | VV  | 70845      | 3096234  | 3.71%  | 0.119% | J |
| 310                     | 21.971 | 21.962 | 22.056 | VV  | 61690      | 3337715  | 4.00%  | 0.129% |   |
| 311                     | 22.112 | 22.056 | 22.185 | VV  | 69731      | 4496271  | 5.38%  | 0.173% |   |
| 312                     | 22.196 | 22.185 | 22.254 | VV  | 48265      | 1882618  | 2.25%  | 0.073% |   |
| 313                     | 22.270 | 22.254 | 22.323 | VV  | 46601      | 1781294  | 2.13%  | 0.069% |   |
| 314                     | 22.331 | 22.323 | 22.339 | VV  | 39830      | 383737   | 0.46%  | 0.015% |   |
| 315                     | 22.348 | 22.339 | 22.376 | VV  | 39679      | 869658   | 1.04%  | 0.034% |   |
| 316                     | 22.393 | 22.376 | 22.536 | VV  | 38978      | 3162108  | 3.79%  | 0.122% |   |
| 317                     | 22.551 | 22.536 | 22.589 | VV  | 29965      | 899558   | 1.08%  | 0.035% |   |
| 318                     | 22.607 | 22.589 | 22.637 | VV  | 27936      | 772907   | 0.93%  | 0.030% |   |
| 319                     | 22.654 | 22.637 | 22.835 | VV  | 27251      | 2490745  | 2.98%  | 0.096% |   |
| 320                     | 22.844 | 22.835 | 22.895 | VV  | 15736      | 523682   | 0.63%  | 0.020% |   |
| 321                     | 22.904 | 22.895 | 22.958 | VV  | 14171      | 469171   | 0.56%  | 0.018% |   |
| 322                     | 22.964 | 22.958 | 23.054 | VV  | 11714      | 567093   | 0.68%  | 0.022% |   |
| 323                     | 23.065 | 23.054 | 23.108 | VV  | 7857       | 204808   | 0.25%  | 0.008% |   |
| 324                     | 23.118 | 23.108 | 23.228 | VV  | 6192       | 258784   | 0.31%  | 0.010% |   |
| 325                     | 23.253 | 23.228 | 23.260 | PV  | 2369       | 26266    | 0.03%  | 0.001% |   |
| 326                     | 23.310 | 23.260 | 23.337 | VBA | 3810       | 94560    | 0.11%  | 0.004% |   |
| Sum of corrected areas: |        |        |        |     | 2593299397 |          |        |        |   |

Aliphatic EPH 031725.M Thu Mar 20 14:22:15 2025



Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_G\Data\FG032025AR\  
 Data File : FG015516.D  
 Signal(s) : FID1A.ch  
 Acq On : 20 Mar 2025 13:59  
 Operator : YP\AJ  
 Sample : Q1574-01  
 Misc :  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 FID\_G  
 ClientSampleId :  
 WC1

Integration File: autoint1.e  
 Quant Time: Mar 21 01:00:18 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_G\Method\Aromatic EPH 031725.M  
 Quant Title : GC Extractables  
 QLast Update : Tue Mar 18 05:13:04 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

Volume Inj. : 1 µl  
 Signal Phase : Rxi-1ms  
 Signal Info : 20M x 0.18mm x 0.18µm

| Compound                           | R.T.   | Response   | Conc Units   |
|------------------------------------|--------|------------|--------------|
| -----                              |        |            |              |
| System Monitoring Compounds        |        |            |              |
| 4) S 2-Bromonaphthalene (S...      | 7.968  | 6217170    | 50.896 ug/ml |
| Spiked Amount 50.000               |        | Recovery = | 101.79%      |
| 6) S 2-Fluorobiphenyl (SURR)       | 8.845  | 3950549    | 47.794 ug/ml |
| Spiked Amount 50.000 Range 0 - 131 |        | Recovery = | 95.59%       |
| 11) S ortho-Terphenyl (SURR)       | 11.938 | 4104130    | 28.143 ug/ml |
| Spiked Amount 50.000               |        | Recovery = | 56.29%       |

Target Compounds

(f)=RT Delta > 1/2 Window

(m)=manual int.

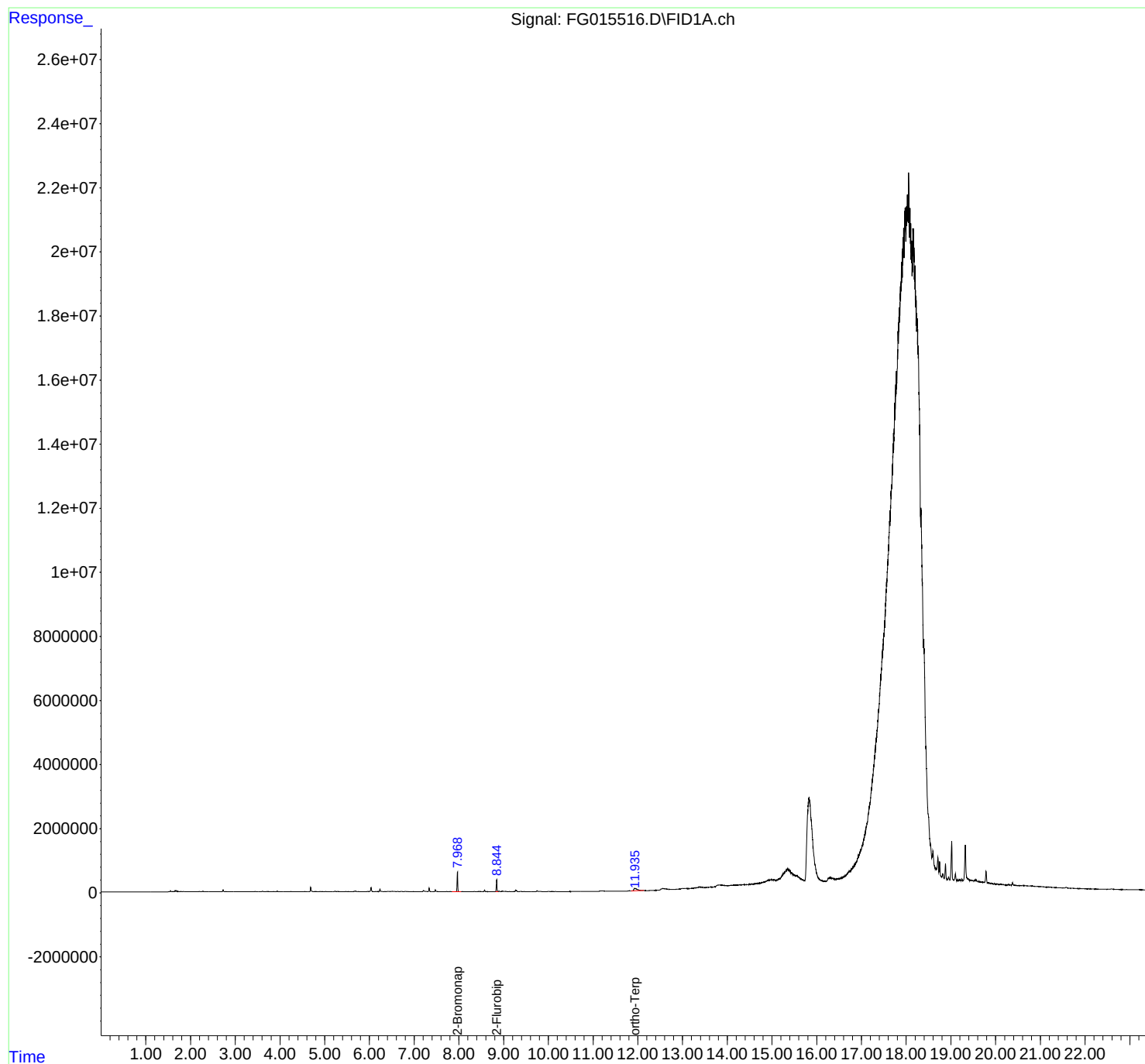


Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_G\Data\FG032025AR\  
Data File : FG015516.D  
Signal(s) : FID1A.ch  
Acq On : 20 Mar 2025 13:59  
Operator : YP\AJ  
Sample : Q1574-01  
Misc :  
ALS Vial : 24 Sample Multiplier: 1

Instrument :  
FID\_G  
ClientSampleId :  
WC1

Integration File: autoint1.e  
Quant Time: Mar 21 01:00:18 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_G\Method\Aromatic EPH 031725.M  
Quant Title : GC Extractables  
QLast Update : Tue Mar 18 05:13:04 2025  
Response via : Initial Calibration  
Integrator: ChemStation

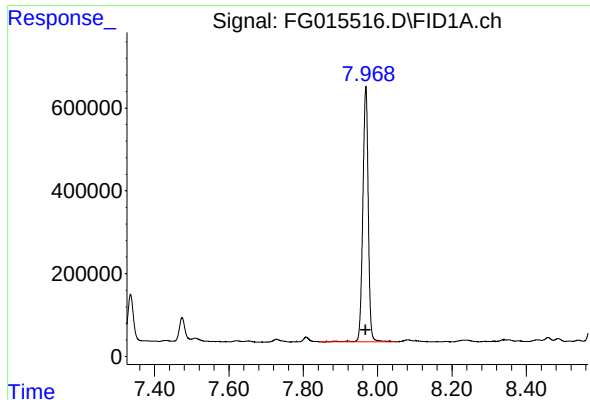
Volume Inj. : 1 µl  
Signal Phase : Rxi-1ms  
Signal Info : 20M x 0.18mm x 0.18µm



## #4 2-Bromonaphthalene (SURR)

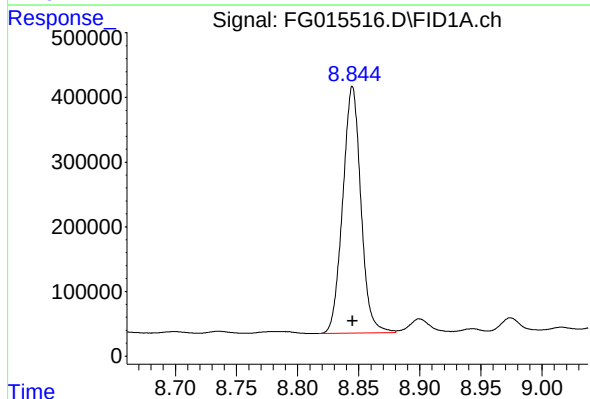
R.T.: 7.968 min  
Delta R.T.: 0.000 min  
Response: 6217170  
Conc: 50.90 ug/ml

Instrument :  
FID\_G  
ClientSampleId :  
WC1



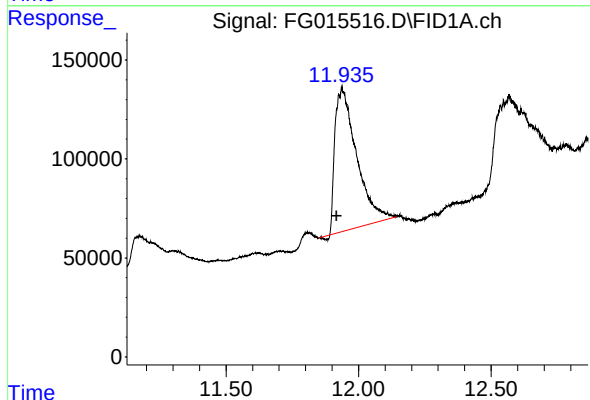
## #6 2-Fluorobiphenyl (SURR)

R.T.: 8.845 min  
Delta R.T.: 0.000 min  
Response: 3950549  
Conc: 47.79 ug/ml



## #11 ortho-Terphenyl (SURR)

R.T.: 11.938 min  
Delta R.T.: 0.020 min  
Response: 4104130  
Conc: 28.14 ug/ml



rteres

## Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_G\Data\FG032025AR\  
 Data File : FG015516.D  
 Signal(s) : FID1A.ch  
 Acq On : 20 Mar 2025 13:59  
 Sample : Q1574-01  
 Misc :  
 ALS Vial : 24 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID\_G\Method\Aromatic EPH 031725.M  
 Title : GC Extractables

Signal : FID1A.ch

| peak<br># | R.T.<br>min | Start<br>min | End<br>min | PK<br>TY | peak<br>height | peak<br>area | peak<br>% max. | % of<br>total |
|-----------|-------------|--------------|------------|----------|----------------|--------------|----------------|---------------|
| 1         | 4.352       | 4.341        | 4.372      | PV       | 268            | 2398         | 0.00%          | 0.000%        |
| 2         | 4.383       | 4.372        | 4.398      | PV       | 347            | 3189         | 0.00%          | 0.000%        |
| 3         | 4.459       | 4.398        | 4.500      | VV       | 1099           | 25240        | 0.00%          | 0.000%        |
| 4         | 4.523       | 4.500        | 4.541      | PV       | 3581           | 41886        | 0.00%          | 0.000%        |
| 5         | 4.559       | 4.541        | 4.582      | VV       | 6556           | 75580        | 0.00%          | 0.001%        |
| 6         | 4.599       | 4.582        | 4.611      | VV       | 1370           | 16787        | 0.00%          | 0.000%        |
| 7         | 4.632       | 4.611        | 4.664      | VV       | 3254           | 62770        | 0.00%          | 0.001%        |
| 8         | 4.687       | 4.664        | 4.761      | VV       | 143212         | 1778881      | 0.04%          | 0.017%        |
| 9         | 4.775       | 4.761        | 4.792      | VV       | 7183           | 97875        | 0.00%          | 0.001%        |
| 10        | 4.808       | 4.792        | 4.827      | VV       | 8742           | 111564       | 0.00%          | 0.001%        |
| 11        | 4.841       | 4.827        | 4.863      | VV       | 3056           | 52160        | 0.00%          | 0.000%        |
| 12        | 4.893       | 4.863        | 4.926      | VV       | 9274           | 188681       | 0.00%          | 0.002%        |
| 13        | 4.942       | 4.926        | 4.967      | VV       | 6630           | 102612       | 0.00%          | 0.001%        |
| 14        | 4.987       | 4.967        | 5.006      | VV       | 2353           | 48160        | 0.00%          | 0.000%        |
| 15        | 5.024       | 5.006        | 5.065      | VV       | 10366          | 141498       | 0.00%          | 0.001%        |
| 16        | 5.105       | 5.065        | 5.122      | VV       | 2959           | 55965        | 0.00%          | 0.001%        |
| 17        | 5.138       | 5.122        | 5.153      | VV       | 1795           | 28190        | 0.00%          | 0.000%        |
| 18        | 5.181       | 5.153        | 5.193      | VV       | 4371           | 74934        | 0.00%          | 0.001%        |
| 19        | 5.201       | 5.193        | 5.210      | VV       | 3603           | 34512        | 0.00%          | 0.000%        |
| 20        | 5.229       | 5.210        | 5.261      | VV       | 20600          | 308514       | 0.01%          | 0.003%        |
| 21        | 5.279       | 5.261        | 5.300      | VV       | 8511           | 143661       | 0.00%          | 0.001%        |
| 22        | 5.313       | 5.300        | 5.333      | VV       | 8595           | 99960        | 0.00%          | 0.001%        |
| 23        | 5.347       | 5.333        | 5.359      | VV       | 2761           | 31088        | 0.00%          | 0.000%        |
| 24        | 5.370       | 5.359        | 5.398      | VV       | 2847           | 45738        | 0.00%          | 0.000%        |
| 25        | 5.414       | 5.398        | 5.449      | VV       | 2194           | 42919        | 0.00%          | 0.000%        |
| 26        | 5.471       | 5.449        | 5.501      | VV       | 11263          | 136851       | 0.00%          | 0.001%        |
| 27        | 5.522       | 5.501        | 5.566      | VV       | 6460           | 108864       | 0.00%          | 0.001%        |
| 28        | 5.576       | 5.566        | 5.582      | VV       | 1575           | 12612        | 0.00%          | 0.000%        |
| 29        | 5.605       | 5.582        | 5.640      | VV       | 4916           | 94279        | 0.00%          | 0.001%        |
| 30        | 5.661       | 5.640        | 5.677      | VV       | 18568          | 217228       | 0.00%          | 0.002%        |
| 31        | 5.694       | 5.677        | 5.727      | VV       | 27380          | 373627       | 0.01%          | 0.004%        |
| 32        | 5.746       | 5.727        | 5.810      | VV       | 6173           | 155546       | 0.00%          | 0.001%        |
| 33        | 5.825       | 5.810        | 5.842      | VV       | 3665           | 41055        | 0.00%          | 0.000%        |
| 34        | 5.860       | 5.842        | 5.878      | VV       | 5648           | 72430        | 0.00%          | 0.001%        |
| 35        | 5.892       | 5.878        | 5.905      | VV       | 4091           | 52362        | 0.00%          | 0.000%        |
| 36        | 5.913       | 5.905        | 5.936      | VV       | 3143           | 44463        | 0.00%          | 0.000%        |

| rteres |       |       |       |    |        |         |       |        |
|--------|-------|-------|-------|----|--------|---------|-------|--------|
| 37     | 5.957 | 5.936 | 5.971 | VV | 12240  | 141868  | 0.00% | 0.001% |
| 38     | 5.983 | 5.971 | 5.999 | VV | 9575   | 112271  | 0.00% | 0.001% |
| 39     | 6.037 | 5.999 | 6.082 | VV | 133587 | 1815506 | 0.04% | 0.017% |
| 40     | 6.092 | 6.082 | 6.124 | VV | 5050   | 108077  | 0.00% | 0.001% |
| 41     | 6.143 | 6.124 | 6.169 | VV | 10307  | 159155  | 0.00% | 0.002% |
| 42     | 6.203 | 6.169 | 6.217 | VV | 7322   | 150550  | 0.00% | 0.001% |
| 43     | 6.236 | 6.217 | 6.264 | VV | 87649  | 959819  | 0.02% | 0.009% |
| 44     | 6.278 | 6.264 | 6.322 | VV | 9746   | 193929  | 0.00% | 0.002% |
| 45     | 6.349 | 6.322 | 6.367 | VV | 9254   | 136489  | 0.00% | 0.001% |
| 46     | 6.402 | 6.367 | 6.413 | VV | 9217   | 181662  | 0.00% | 0.002% |
| 47     | 6.425 | 6.413 | 6.434 | VV | 9608   | 110843  | 0.00% | 0.001% |
| 48     | 6.442 | 6.434 | 6.460 | VV | 9561   | 120218  | 0.00% | 0.001% |
| 49     | 6.511 | 6.460 | 6.554 | VV | 16328  | 560651  | 0.01% | 0.005% |
| 50     | 6.566 | 6.554 | 6.602 | VV | 8266   | 177129  | 0.00% | 0.002% |
| 51     | 6.618 | 6.602 | 6.626 | VV | 6995   | 81147   | 0.00% | 0.001% |
| 52     | 6.637 | 6.626 | 6.668 | VV | 7456   | 138401  | 0.00% | 0.001% |
| 53     | 6.703 | 6.668 | 6.713 | VV | 10171  | 175506  | 0.00% | 0.002% |
| 54     | 6.725 | 6.713 | 6.754 | VV | 12276  | 191276  | 0.00% | 0.002% |
| 55     | 6.764 | 6.754 | 6.770 | VV | 3591   | 33840   | 0.00% | 0.000% |
| 56     | 6.791 | 6.770 | 6.799 | VV | 6164   | 85030   | 0.00% | 0.001% |
| 57     | 6.816 | 6.799 | 6.837 | VV | 9328   | 159950  | 0.00% | 0.002% |
| 58     | 6.855 | 6.837 | 6.883 | VV | 7291   | 131266  | 0.00% | 0.001% |
| 59     | 6.905 | 6.883 | 6.920 | VV | 4754   | 76359   | 0.00% | 0.001% |
| 60     | 6.931 | 6.920 | 6.951 | VV | 3687   | 44050   | 0.00% | 0.000% |
| 61     | 6.986 | 6.951 | 7.010 | VV | 5908   | 92074   | 0.00% | 0.001% |
| 62     | 7.051 | 7.010 | 7.078 | VV | 4078   | 85039   | 0.00% | 0.001% |
| 63     | 7.086 | 7.078 | 7.094 | VV | 1191   | 10165   | 0.00% | 0.000% |
| 64     | 7.140 | 7.094 | 7.173 | VV | 4136   | 116684  | 0.00% | 0.001% |
| 65     | 7.207 | 7.173 | 7.309 | VV | 41355  | 1036617 | 0.02% | 0.010% |
| 66     | 7.336 | 7.309 | 7.397 | VV | 115429 | 1310738 | 0.03% | 0.012% |
| 67     | 7.402 | 7.397 | 7.413 | VV | 2670   | 22694   | 0.00% | 0.000% |
| 68     | 7.431 | 7.413 | 7.448 | VV | 4468   | 69627   | 0.00% | 0.001% |
| 69     | 7.474 | 7.448 | 7.498 | VV | 59863  | 674487  | 0.01% | 0.006% |
| 70     | 7.510 | 7.498 | 7.581 | VV | 9753   | 202865  | 0.00% | 0.002% |
| 71     | 7.590 | 7.581 | 7.603 | VV | 1462   | 17659   | 0.00% | 0.000% |
| 72     | 7.621 | 7.603 | 7.638 | VV | 3615   | 48624   | 0.00% | 0.000% |
| 73     | 7.653 | 7.638 | 7.677 | VV | 2999   | 40157   | 0.00% | 0.000% |
| 74     | 7.689 | 7.677 | 7.705 | VV | 565    | 7540    | 0.00% | 0.000% |
| 75     | 7.728 | 7.705 | 7.765 | VV | 6987   | 108002  | 0.00% | 0.001% |
| 76     | 7.781 | 7.765 | 7.789 | VV | 1289   | 13830   | 0.00% | 0.000% |
| 77     | 7.808 | 7.789 | 7.857 | VV | 12143  | 153518  | 0.00% | 0.001% |
| 78     | 7.886 | 7.857 | 7.903 | VV | 2553   | 40741   | 0.00% | 0.000% |
| 79     | 7.919 | 7.903 | 7.935 | VV | 2774   | 37973   | 0.00% | 0.000% |
| 80     | 7.968 | 7.935 | 8.025 | VV | 620304 | 6240621 | 0.12% | 0.059% |
| 81     | 8.031 | 8.025 | 8.055 | VV | 2035   | 29335   | 0.00% | 0.000% |
| 82     | 8.080 | 8.055 | 8.097 | VV | 5566   | 88115   | 0.00% | 0.001% |
| 83     | 8.102 | 8.097 | 8.151 | VV | 3589   | 58721   | 0.00% | 0.001% |
| 84     | 8.160 | 8.151 | 8.171 | VV | 1131   | 12323   | 0.00% | 0.000% |
| 85     | 8.185 | 8.171 | 8.201 | VV | 1482   | 22186   | 0.00% | 0.000% |
| 86     | 8.239 | 8.201 | 8.276 | VV | 4825   | 121795  | 0.00% | 0.001% |
| 87     | 8.290 | 8.276 | 8.302 | VV | 1900   | 23762   | 0.00% | 0.000% |
| 88     | 8.316 | 8.302 | 8.321 | VV | 1995   | 19179   | 0.00% | 0.000% |
| 89     | 8.340 | 8.321 | 8.347 | VV | 5723   | 64414   | 0.00% | 0.001% |

|     |        |        |        |    | rteres |         |       |        |
|-----|--------|--------|--------|----|--------|---------|-------|--------|
| 90  | 8.353  | 8.347  | 8.370  | VV | 5470   | 58286   | 0.00% | 0.001% |
| 91  | 8.378  | 8.370  | 8.399  | VV | 2925   | 39139   | 0.00% | 0.000% |
| 92  | 8.430  | 8.399  | 8.442  | VV | 5626   | 89965   | 0.00% | 0.001% |
| 93  | 8.458  | 8.442  | 8.473  | VV | 10919  | 134782  | 0.00% | 0.001% |
| 94  | 8.485  | 8.473  | 8.505  | VV | 8451   | 102942  | 0.00% | 0.001% |
| 95  | 8.515  | 8.505  | 8.524  | VV | 2108   | 23005   | 0.00% | 0.000% |
| 96  | 8.539  | 8.524  | 8.554  | VV | 4521   | 55149   | 0.00% | 0.001% |
| 97  | 8.576  | 8.554  | 8.602  | VV | 57170  | 623888  | 0.01% | 0.006% |
| 98  | 8.641  | 8.602  | 8.680  | VV | 4759   | 145200  | 0.00% | 0.001% |
| 99  | 8.698  | 8.680  | 8.718  | VV | 3007   | 43883   | 0.00% | 0.000% |
| 100 | 8.735  | 8.718  | 8.759  | VV | 3631   | 46237   | 0.00% | 0.000% |
| 101 | 8.787  | 8.759  | 8.816  | VV | 3195   | 60980   | 0.00% | 0.001% |
| 102 | 8.845  | 8.816  | 8.880  | PV | 382907 | 3982759 | 0.08% | 0.038% |
| 103 | 8.900  | 8.880  | 8.926  | VV | 22914  | 293704  | 0.01% | 0.003% |
| 104 | 8.943  | 8.926  | 8.956  | VV | 7397   | 94079   | 0.00% | 0.001% |
| 105 | 8.974  | 8.956  | 8.999  | VV | 24163  | 314163  | 0.01% | 0.003% |
| 106 | 9.016  | 8.999  | 9.031  | VV | 9791   | 147817  | 0.00% | 0.001% |
| 107 | 9.049  | 9.031  | 9.076  | VV | 15002  | 238701  | 0.00% | 0.002% |
| 108 | 9.084  | 9.076  | 9.112  | VV | 4218   | 77804   | 0.00% | 0.001% |
| 109 | 9.128  | 9.112  | 9.154  | VV | 5420   | 100998  | 0.00% | 0.001% |
| 110 | 9.167  | 9.154  | 9.179  | VV | 3541   | 48715   | 0.00% | 0.000% |
| 111 | 9.189  | 9.179  | 9.209  | VV | 3361   | 49000   | 0.00% | 0.000% |
| 112 | 9.232  | 9.209  | 9.247  | VV | 4342   | 79484   | 0.00% | 0.001% |
| 113 | 9.270  | 9.247  | 9.282  | VV | 56328  | 605888  | 0.01% | 0.006% |
| 114 | 9.289  | 9.282  | 9.336  | VV | 37928  | 446751  | 0.01% | 0.004% |
| 115 | 9.385  | 9.336  | 9.438  | VV | 6135   | 211179  | 0.00% | 0.002% |
| 116 | 9.459  | 9.438  | 9.490  | VV | 5726   | 66791   | 0.00% | 0.001% |
| 117 | 9.514  | 9.490  | 9.536  | PV | 2324   | 30819   | 0.00% | 0.000% |
| 118 | 9.552  | 9.536  | 9.557  | VV | 2063   | 19272   | 0.00% | 0.000% |
| 119 | 9.562  | 9.557  | 9.582  | VV | 2162   | 21122   | 0.00% | 0.000% |
| 120 | 9.595  | 9.582  | 9.617  | VV | 929    | 12465   | 0.00% | 0.000% |
| 121 | 9.653  | 9.617  | 9.684  | PV | 1739   | 24239   | 0.00% | 0.000% |
| 122 | 9.751  | 9.684  | 9.802  | PV | 31517  | 577367  | 0.01% | 0.005% |
| 123 | 9.813  | 9.802  | 9.831  | VV | 6176   | 91078   | 0.00% | 0.001% |
| 124 | 9.837  | 9.831  | 9.870  | VV | 4149   | 72159   | 0.00% | 0.001% |
| 125 | 9.884  | 9.870  | 9.907  | VV | 2471   | 41583   | 0.00% | 0.000% |
| 126 | 9.919  | 9.907  | 9.932  | VV | 1738   | 20681   | 0.00% | 0.000% |
| 127 | 9.946  | 9.932  | 9.963  | VV | 1619   | 22962   | 0.00% | 0.000% |
| 128 | 9.990  | 9.963  | 10.006 | VV | 3606   | 62126   | 0.00% | 0.001% |
| 129 | 10.020 | 10.006 | 10.047 | VV | 4743   | 80329   | 0.00% | 0.001% |
| 130 | 10.065 | 10.047 | 10.075 | VV | 2759   | 39174   | 0.00% | 0.000% |
| 131 | 10.094 | 10.075 | 10.137 | VV | 3177   | 84986   | 0.00% | 0.001% |
| 132 | 10.161 | 10.137 | 10.211 | VV | 2879   | 64793   | 0.00% | 0.001% |
| 133 | 10.229 | 10.211 | 10.235 | VV | 707    | 7645    | 0.00% | 0.000% |
| 134 | 10.243 | 10.235 | 10.251 | VV | 682    | 5408    | 0.00% | 0.000% |
| 135 | 10.257 | 10.251 | 10.277 | VV | 610    | 7519    | 0.00% | 0.000% |
| 136 | 10.296 | 10.277 | 10.300 | VV | 832    | 6946    | 0.00% | 0.000% |
| 137 | 10.309 | 10.300 | 10.316 | VV | 757    | 6343    | 0.00% | 0.000% |
| 138 | 10.336 | 10.316 | 10.341 | VV | 768    | 9921    | 0.00% | 0.000% |
| 139 | 10.344 | 10.341 | 10.370 | VV | 643    | 7446    | 0.00% | 0.000% |
| 140 | 10.390 | 10.370 | 10.411 | VV | 474    | 6553    | 0.00% | 0.000% |
| 141 | 10.519 | 10.424 | 10.532 | VV | 1463   | 40412   | 0.00% | 0.000% |

|     |        |        |        |    | rteres |          |       |        |
|-----|--------|--------|--------|----|--------|----------|-------|--------|
| 142 | 10.546 | 10.532 | 10.564 | VV | 1034   | 15562    | 0.00% | 0.000% |
| 143 | 10.637 | 10.564 | 10.656 | VV | 2257   | 82887    | 0.00% | 0.001% |
| 144 | 10.677 | 10.656 | 10.728 | VV | 2251   | 62230    | 0.00% | 0.001% |
| 145 | 10.749 | 10.728 | 10.767 | VV | 914    | 15378    | 0.00% | 0.000% |
| 146 | 10.848 | 10.767 | 10.864 | VV | 2870   | 101750   | 0.00% | 0.001% |
| 147 | 10.870 | 10.864 | 10.877 | VV | 2730   | 20126    | 0.00% | 0.000% |
| 148 | 10.887 | 10.877 | 10.892 | VV | 2742   | 22896    | 0.00% | 0.000% |
| 149 | 10.901 | 10.892 | 10.936 | VV | 2844   | 63235    | 0.00% | 0.001% |
| 150 | 10.956 | 10.936 | 10.961 | VV | 1895   | 23363    | 0.00% | 0.000% |
| 151 | 10.966 | 10.961 | 10.972 | VV | 2035   | 11704    | 0.00% | 0.000% |
| 152 | 11.010 | 10.972 | 11.015 | VV | 1913   | 45973    | 0.00% | 0.000% |
| 153 | 11.033 | 11.015 | 11.055 | VV | 2295   | 40693    | 0.00% | 0.000% |
| 154 | 11.058 | 11.055 | 11.065 | VV | 943    | 4466     | 0.00% | 0.000% |
| 155 | 11.173 | 11.065 | 11.278 | VV | 16074  | 1021617  | 0.02% | 0.010% |
| 156 | 11.299 | 11.278 | 11.305 | VV | 7214   | 113864   | 0.00% | 0.001% |
| 157 | 11.311 | 11.305 | 11.316 | VV | 7034   | 43641    | 0.00% | 0.000% |
| 158 | 11.321 | 11.316 | 11.386 | VV | 6936   | 174385   | 0.00% | 0.002% |
| 159 | 11.391 | 11.386 | 11.401 | VV | 2101   | 15997    | 0.00% | 0.000% |
| 160 | 11.403 | 11.401 | 11.429 | VV | 1474   | 15437    | 0.00% | 0.000% |
| 161 | 11.435 | 11.429 | 11.437 | VV | 476    | 1814     | 0.00% | 0.000% |
| 162 | 11.467 | 11.437 | 11.477 | VV | 847    | 12665    | 0.00% | 0.000% |
| 163 | 11.481 | 11.477 | 11.504 | VV | 415    | 4753     | 0.00% | 0.000% |
| 164 | 11.535 | 11.510 | 11.540 | VV | 696    | 9183     | 0.00% | 0.000% |
| 165 | 11.553 | 11.540 | 11.557 | VV | 1167   | 9105     | 0.00% | 0.000% |
| 166 | 11.599 | 11.557 | 11.603 | VV | 1999   | 39218    | 0.00% | 0.000% |
| 167 | 11.610 | 11.603 | 11.651 | VV | 2618   | 42534    | 0.00% | 0.000% |
| 168 | 11.713 | 11.651 | 11.746 | VV | 1369   | 49121    | 0.00% | 0.000% |
| 169 | 11.807 | 11.746 | 11.812 | PV | 8116   | 149530   | 0.00% | 0.001% |
| 170 | 11.815 | 11.812 | 11.847 | VV | 7809   | 121795   | 0.00% | 0.001% |
| 171 | 11.855 | 11.847 | 11.879 | VV | 3837   | 59681    | 0.00% | 0.001% |
| 172 | 11.936 | 11.879 | 12.102 | VV | 76840  | 4653750  | 0.09% | 0.044% |
| 173 | 12.109 | 12.102 | 12.132 | VV | 8056   | 120924   | 0.00% | 0.001% |
| 174 | 12.137 | 12.132 | 12.200 | VV | 5717   | 154424   | 0.00% | 0.001% |
| 175 | 12.205 | 12.200 | 12.210 | VV | 1587   | 6829     | 0.00% | 0.000% |
| 176 | 12.212 | 12.210 | 12.220 | VV | 951    | 3140     | 0.00% | 0.000% |
| 177 | 12.246 | 12.220 | 12.250 | PV | 592    | 5676     | 0.00% | 0.000% |
| 178 | 12.289 | 12.250 | 12.301 | PV | 1648   | 29804    | 0.00% | 0.000% |
| 179 | 12.415 | 12.301 | 12.418 | PV | 1715   | 152904   | 0.00% | 0.001% |
| 180 | 12.568 | 12.418 | 12.730 | VV | 47091  | 4477927  | 0.09% | 0.042% |
| 181 | 12.739 | 12.730 | 12.750 | VV | 12419  | 138246   | 0.00% | 0.001% |
| 182 | 12.783 | 12.750 | 12.817 | VV | 11210  | 393339   | 0.01% | 0.004% |
| 183 | 13.025 | 12.817 | 13.123 | VV | 30748  | 3447752  | 0.07% | 0.033% |
| 184 | 13.204 | 13.123 | 13.214 | VV | 22800  | 1068438  | 0.02% | 0.010% |
| 185 | 13.222 | 13.214 | 13.239 | VV | 20127  | 297860   | 0.01% | 0.003% |
| 186 | 13.377 | 13.239 | 13.516 | VV | 58601  | 6439649  | 0.13% | 0.061% |
| 187 | 13.820 | 13.516 | 13.917 | VV | 97770  | 14248121 | 0.28% | 0.135% |
| 188 | 13.925 | 13.917 | 13.981 | VV | 79182  | 2805968  | 0.06% | 0.027% |
| 189 | 13.983 | 13.981 | 14.004 | VV | 71669  | 974078   | 0.02% | 0.009% |
| 190 | 14.029 | 14.004 | 14.047 | VV | 71929  | 1790171  | 0.04% | 0.017% |
| 191 | 14.069 | 14.047 | 14.086 | VV | 72394  | 1628239  | 0.03% | 0.015% |
| 192 | 14.099 | 14.086 | 14.111 | VV | 74528  | 1058730  | 0.02% | 0.010% |
| 193 | 14.191 | 14.111 | 14.207 | VV | 77668  | 4238078  | 0.08% | 0.040% |
| 194 | 14.214 | 14.207 | 14.247 | VV | 76912  | 1733920  | 0.03% | 0.016% |

| rteres                              |        |        |        |    |          |            |         |         |
|-------------------------------------|--------|--------|--------|----|----------|------------|---------|---------|
| 195                                 | 14.264 | 14.247 | 14.274 | VV | 75370    | 1196905    | 0.02%   | 0.011%  |
| 196                                 | 14.296 | 14.274 | 14.304 | VV | 78492    | 1329984    | 0.03%   | 0.013%  |
| 197                                 | 14.378 | 14.304 | 14.412 | VV | 83418    | 4986841    | 0.10%   | 0.047%  |
| 198                                 | 14.429 | 14.412 | 14.447 | VV | 79168    | 1581788    | 0.03%   | 0.015%  |
| 199                                 | 14.518 | 14.447 | 14.527 | VV | 86742    | 3798058    | 0.08%   | 0.036%  |
| 200                                 | 14.547 | 14.527 | 14.569 | VV | 89872    | 2163077    | 0.04%   | 0.021%  |
| 201                                 | 14.781 | 14.569 | 14.792 | VV | 127253   | 13514038   | 0.27%   | 0.128%  |
| 202                                 | 14.829 | 14.792 | 14.837 | VV | 140363   | 3644220    | 0.07%   | 0.035%  |
| 203                                 | 14.939 | 14.837 | 14.950 | VV | 191678   | 11488520   | 0.23%   | 0.109%  |
| 204                                 | 14.975 | 14.950 | 15.017 | VV | 204390   | 7967195    | 0.16%   | 0.076%  |
| 205                                 | 15.045 | 15.017 | 15.089 | VV | 194116   | 7992426    | 0.16%   | 0.076%  |
| 206                                 | 15.351 | 15.089 | 15.732 | VV | 508303   | 118393978  | 2.35%   | 1.122%  |
| 207                                 | 15.827 | 15.732 | 16.167 | VV | 2740523  | 244620479  | 4.86%   | 2.319%  |
| 208                                 | 16.173 | 16.167 | 16.199 | VV | 96549    | 1719370    | 0.03%   | 0.016%  |
| 209                                 | 16.279 | 16.199 | 16.294 | VV | 206366   | 8310140    | 0.17%   | 0.079%  |
| 210                                 | 16.303 | 16.294 | 16.340 | VV | 199621   | 5257590    | 0.10%   | 0.050%  |
| 211                                 | 16.350 | 16.340 | 16.436 | VV | 180919   | 8946986    | 0.18%   | 0.085%  |
| 212                                 | 16.446 | 16.436 | 16.454 | VV | 146962   | 1594182    | 0.03%   | 0.015%  |
| 213                                 | 16.511 | 16.454 | 16.521 | VV | 164579   | 6000262    | 0.12%   | 0.057%  |
| 214                                 | 17.941 | 16.521 | 17.952 | VV | 20292624 | 5036234466 | 100.00% | 47.748% |
| 215                                 | 17.974 | 17.952 | 17.992 | VV | 20863356 | 489909667  | 9.73%   | 4.645%  |
| 216                                 | 18.057 | 17.992 | 18.076 | VV | 21738255 | 1043392866 | 20.72%  | 9.892%  |
| 217                                 | 18.085 | 18.076 | 18.094 | VV | 20973227 | 225022634  | 4.47%   | 2.133%  |
| 218                                 | 18.101 | 18.094 | 18.142 | VV | 20412764 | 570336236  | 11.32%  | 5.407%  |
| 219                                 | 18.161 | 18.142 | 18.237 | VV | 20140513 | 1070408401 | 21.25%  | 10.148% |
| 220                                 | 18.247 | 18.237 | 18.322 | VV | 17503166 | 785002514  | 15.59%  | 7.443%  |
| 221                                 | 18.330 | 18.322 | 18.571 | VV | 11427143 | 716233653  | 14.22%  | 6.791%  |
| 222                                 | 18.597 | 18.571 | 18.684 | VV | 918830   | 37306923   | 0.74%   | 0.354%  |
| 223                                 | 18.709 | 18.684 | 18.731 | VV | 697257   | 14073647   | 0.28%   | 0.133%  |
| 224                                 | 18.747 | 18.731 | 18.790 | VV | 577300   | 9573564    | 0.19%   | 0.091%  |
| 225                                 | 18.819 | 18.790 | 18.849 | VV | 180268   | 4074583    | 0.08%   | 0.039%  |
| 226                                 | 18.878 | 18.849 | 18.929 | VV | 504284   | 6827906    | 0.14%   | 0.065%  |
| 227                                 | 18.948 | 18.929 | 18.979 | VV | 89796    | 1045194    | 0.02%   | 0.010%  |
| Sum of corrected areas: 10547494057 |        |        |        |    |          |            |         |         |

Aromatic EPH 031725.M Fri Mar 21 01:53:19 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_F\Data\FF032025AL\  
Data File : FF015703.D  
Signal(s) : FID2B.ch  
Acq On : 20 Mar 2025 15:56  
Operator : YP\AJ  
Sample : Q1574-01DL 10X  
Misc :  
ALS Vial : 78 Sample Multiplier: 1

Instrument :  
FID\_F  
ClientSampleId :  
WC1DL

Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 03/21/2025  
Supervised By :mohammad ahmed 03/24/2025

Integration File: autoint1.e  
Quant Time: Mar 21 00:17:19 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_F\Method\Aliphatic EPH 031725.M  
Quant Title : GC Extractables  
QLast Update : Tue Mar 18 02:31:19 2025  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 ul  
Signal Phase : Rxi-1ms  
Signal Info : 20M x 0.18mm x 0.18um

| Compound                       | R.T.   | Response   | Conc Units   |
|--------------------------------|--------|------------|--------------|
| -----                          |        |            |              |
| System Monitoring Compounds    |        |            |              |
| 12) S 1-chlorooctadecane (S... | 13.373 | 833744     | 7.346 ug/mlm |
| Spiked Amount                  | 50.000 | Recovery = | 14.69%       |

Target Compounds

-----

(f)=RT Delta > 1/2 Window

(m)=manual int.



Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_F\Data\FF032025AL\  
Data File : FF015703.D  
Signal(s) : FID2B.ch  
Acq On : 20 Mar 2025 15:56  
Operator : YP\AJ  
Sample : Q1574-01DL 10X  
Misc :  
ALS Vial : 78 Sample Multiplier: 1

## Instrument :

FID\_F

ClientSampleId :

WC1DL

## Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 03/21/2025

Supervised By :mohammad ahmed 03/24/2025

Integration File: autoint1.e

Quant Time: Mar 21 00:17:19 2025

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_F\Method\Aliphatic EPH 031725.M

Quant Title : GC Extractables

QLast Update : Tue Mar 18 02:31:19 2025

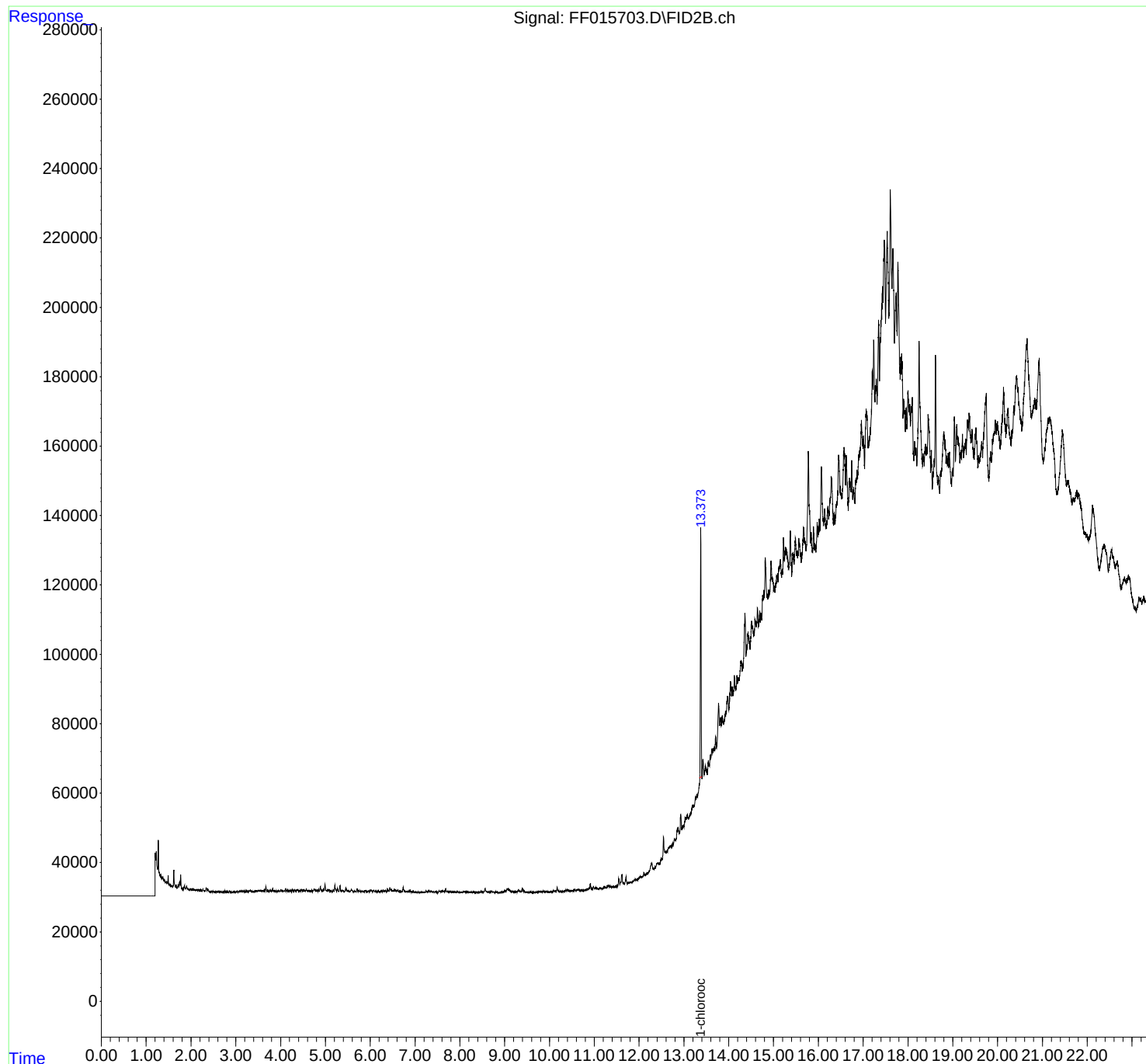
Response via : Initial Calibration

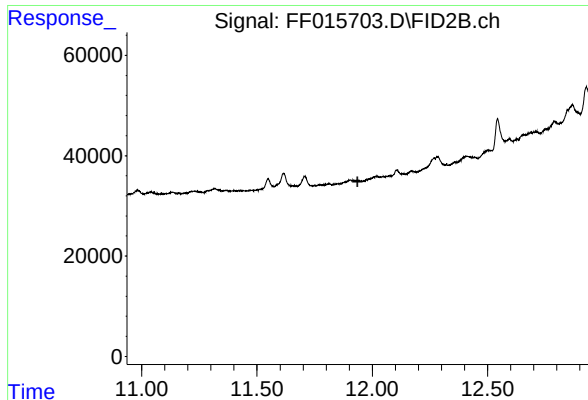
Integrator: ChemStation

Volume Inj. : 1 ul

Signal Phase : Rxi-1ms

Signal Info : 20M x 0.18mm x 0.18um





#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min  
Exp R.T.: 11.936 min  
Response: 0  
Conc: N.D.

Instrument :

FID\_F

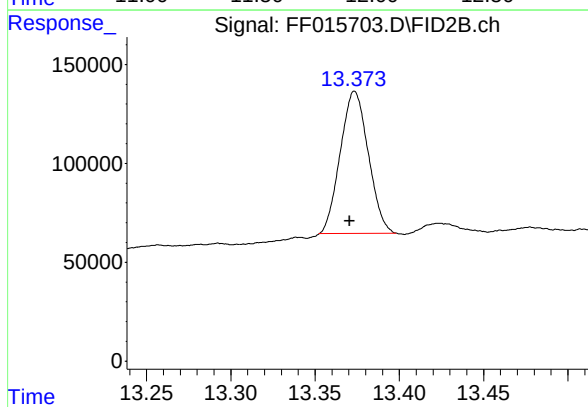
ClientSampleId :

WC1DL

Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 03/21/2025

Supervised By :mohammad ahmed 03/24/2025



#12 1-chlorooctadecane (SURR)

R.T.: 13.373 min  
Delta R.T.: 0.002 min  
Response: 833744  
Conc: 7.35 ug/ml m

Instrument :

FID\_F

ClientSampleId :

WC1DL

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 03/21/2025

Supervised By :mohammad ahmed 03/24/2025

rteres

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_F\Data\FF03202  
 Data File : FF015703.D  
 Signal(s) : FID2B.ch  
 Acq On : 20 Mar 2025 15:56  
 Sample : Q1574-01DL 10X  
 Misc :  
 ALS Vial : 78 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID\_F\Method\Aliphatic EPH 031725.M  
 Title : GC Extractables

Signal : FID2B.ch

| peak<br># | R.T.<br>min | Start<br>min | End<br>min | PK<br>TY | peak<br>height | peak<br>area | peak<br>% max. | % of<br>total |
|-----------|-------------|--------------|------------|----------|----------------|--------------|----------------|---------------|
| 1         | 2.859       | 2.801        | 2.883      | BV       | 262            | 2880         | 0.04%          | 0.001%        |
| 2         | 2.899       | 2.883        | 2.911      | PV       | 103            | 895          | 0.01%          | 0.000%        |
| 3         | 2.956       | 2.911        | 2.972      | VV       | 190            | 3790         | 0.05%          | 0.001%        |
| 4         | 3.022       | 2.972        | 3.075      | VV       | 241            | 9215         | 0.12%          | 0.003%        |
| 5         | 3.098       | 3.075        | 3.110      | VV       | 327            | 5940         | 0.08%          | 0.002%        |
| 6         | 3.246       | 3.235        | 3.278      | VV       | 335            | 7200         | 0.09%          | 0.003%        |
| 7         | 3.442       | 3.410        | 3.475      | VV       | 423            | 13835        | 0.18%          | 0.005%        |
| 8         | 3.592       | 3.588        | 3.599      | VV       | 410            | 2428         | 0.03%          | 0.001%        |
| 9         | 3.606       | 3.599        | 3.615      | VV       | 382            | 3406         | 0.04%          | 0.001%        |
| 10        | 3.633       | 3.615        | 3.646      | VV       | 535            | 8478         | 0.11%          | 0.003%        |
| 11        | 3.704       | 3.695        | 3.736      | VV       | 436            | 9560         | 0.12%          | 0.004%        |
| 12        | 4.073       | 4.058        | 4.081      | VV       | 396            | 5261         | 0.07%          | 0.002%        |
| 13        | 4.147       | 4.130        | 4.172      | VV       | 629            | 12587        | 0.16%          | 0.005%        |
| 14        | 4.180       | 4.172        | 4.200      | VV       | 443            | 6646         | 0.09%          | 0.003%        |
| 15        | 4.223       | 4.200        | 4.243      | VV       | 506            | 10851        | 0.14%          | 0.004%        |
| 16        | 4.466       | 4.428        | 4.488      | VV       | 768            | 19883        | 0.25%          | 0.007%        |
| 17        | 4.645       | 4.635        | 4.675      | VV       | 545            | 10426        | 0.13%          | 0.004%        |
| 18        | 4.692       | 4.675        | 4.712      | VV       | 598            | 10071        | 0.13%          | 0.004%        |
| 19        | 4.821       | 4.803        | 4.841      | VV       | 602            | 12517        | 0.16%          | 0.005%        |
| 20        | 4.854       | 4.841        | 4.868      | VV       | 787            | 10334        | 0.13%          | 0.004%        |
| 21        | 5.052       | 5.028        | 5.067      | VV       | 744            | 14652        | 0.19%          | 0.006%        |
| 22        | 5.272       | 5.252        | 5.297      | VV       | 1060           | 17783        | 0.23%          | 0.007%        |
| 23        | 5.391       | 5.356        | 5.427      | VV       | 566            | 18243        | 0.23%          | 0.007%        |
| 24        | 5.496       | 5.488        | 5.545      | VV       | 557            | 13986        | 0.18%          | 0.005%        |
| 25        | 5.645       | 5.625        | 5.674      | VV       | 436            | 8954         | 0.11%          | 0.003%        |
| 26        | 5.748       | 5.734        | 5.765      | VV       | 561            | 8101         | 0.10%          | 0.003%        |
| 27        | 5.828       | 5.818        | 5.846      | VV       | 392            | 5794         | 0.07%          | 0.002%        |
| 28        | 5.855       | 5.846        | 5.869      | VV       | 377            | 4168         | 0.05%          | 0.002%        |
| 29        | 6.001       | 5.981        | 6.051      | VV       | 798            | 21674        | 0.28%          | 0.008%        |
| 30        | 6.116       | 6.108        | 6.124      | VV       | 420            | 3432         | 0.04%          | 0.001%        |
| 31        | 6.185       | 6.161        | 6.214      | VV       | 479            | 10230        | 0.13%          | 0.004%        |
| 32        | 6.336       | 6.311        | 6.360      | VV       | 658            | 13927        | 0.18%          | 0.005%        |
| 33        | 6.684       | 6.659        | 6.708      | VV       | 383            | 9529         | 0.12%          | 0.004%        |
| 34        | 6.854       | 6.838        | 6.871      | VV       | 460            | 6828         | 0.09%          | 0.003%        |
| 35        | 6.888       | 6.871        | 6.909      | VV       | 735            | 10537        | 0.13%          | 0.004%        |
| 36        | 6.960       | 6.940        | 6.999      | VV       | 374            | 7707         | 0.10%          | 0.003%        |

| Instrument : FID_F                       |        |        |        |    |           |       |       |        |  |
|------------------------------------------|--------|--------|--------|----|-----------|-------|-------|--------|--|
| ClientSampleId : WC1DL                   |        |        |        |    |           |       |       |        |  |
| Manual IntegrationsAPPROVED              |        |        |        |    |           |       |       |        |  |
| Reviewed By :Yogesh Patel 03/21/2025     |        |        |        |    |           |       |       |        |  |
| Supervised By :mohammad ahmed 03/24/2025 |        |        |        |    |           |       |       |        |  |
|                                          |        |        |        |    | retention |       |       |        |  |
| 37                                       | 7.025  | 6.999  | 7.054  | VV | 262       | 5510  | 0.07% | 0.002% |  |
| 38                                       | 7.067  | 7.054  | 7.095  | VV | 171       | 2849  |       |        |  |
| 39                                       | 7.103  | 7.095  | 7.115  | VV | 131       | 1167  |       |        |  |
| 40                                       | 7.127  | 7.115  | 7.164  | VV | 162       | 2194  |       |        |  |
| 41                                       | 7.197  | 7.164  | 7.210  | PV | 124       | 2604  |       |        |  |
| 42                                       | 7.248  | 7.210  | 7.259  | VV | 404       | 6524  |       |        |  |
| 43                                       | 7.268  | 7.259  | 7.288  | VV | 430       | 5665  | 0.07% | 0.002% |  |
| 44                                       | 7.355  | 7.331  | 7.394  | VV | 480       | 12477 | 0.16% | 0.005% |  |
| 45                                       | 7.414  | 7.394  | 7.433  | VV | 400       | 6176  | 0.08% | 0.002% |  |
| 46                                       | 7.538  | 7.500  | 7.567  | VV | 578       | 10863 | 0.14% | 0.004% |  |
| 47                                       | 7.772  | 7.759  | 7.805  | VV | 318       | 6290  | 0.08% | 0.002% |  |
| 48                                       | 7.814  | 7.805  | 7.831  | VV | 215       | 3156  | 0.04% | 0.001% |  |
| 49                                       | 7.859  | 7.831  | 7.908  | VV | 252       | 7865  | 0.10% | 0.003% |  |
| 50                                       | 7.946  | 7.908  | 7.984  | VV | 254       | 7815  | 0.10% | 0.003% |  |
| 51                                       | 7.997  | 7.984  | 8.008  | VV | 204       | 1971  | 0.03% | 0.001% |  |
| 52                                       | 8.022  | 8.008  | 8.037  | VV | 175       | 2488  | 0.03% | 0.001% |  |
| 53                                       | 8.210  | 8.198  | 8.235  | VV | 237       | 3702  | 0.05% | 0.001% |  |
| 54                                       | 8.255  | 8.235  | 8.298  | VV | 282       | 4815  | 0.06% | 0.002% |  |
| 55                                       | 8.311  | 8.298  | 8.347  | VV | 189       | 3311  | 0.04% | 0.001% |  |
| 56                                       | 8.381  | 8.347  | 8.410  | VV | 233       | 4623  | 0.06% | 0.002% |  |
| 57                                       | 8.474  | 8.410  | 8.514  | VV | 357       | 12563 | 0.16% | 0.005% |  |
| 58                                       | 8.707  | 8.636  | 8.788  | VV | 487       | 21703 | 0.28% | 0.008% |  |
| 59                                       | 8.803  | 8.788  | 8.884  | VV | 197       | 5488  | 0.07% | 0.002% |  |
| 60                                       | 8.927  | 8.884  | 8.945  | PV | 217       | 4349  | 0.06% | 0.002% |  |
| 61                                       | 8.951  | 8.945  | 8.961  | VV | 145       | 1394  | 0.02% | 0.001% |  |
| 62                                       | 9.101  | 9.092  | 9.205  | VV | 877       | 28794 | 0.37% | 0.011% |  |
| 63                                       | 9.216  | 9.205  | 9.244  | VV | 288       | 5369  | 0.07% | 0.002% |  |
| 64                                       | 9.256  | 9.244  | 9.267  | VV | 236       | 2744  | 0.04% | 0.001% |  |
| 65                                       | 9.475  | 9.461  | 9.505  | VV | 253       | 3960  | 0.05% | 0.001% |  |
| 66                                       | 9.520  | 9.505  | 9.540  | VV | 91        | 1523  | 0.02% | 0.001% |  |
| 67                                       | 9.575  | 9.540  | 9.615  | VV | 325       | 6433  | 0.08% | 0.002% |  |
| 68                                       | 9.618  | 9.615  | 9.647  | VV | 103       | 733   | 0.01% | 0.000% |  |
| 69                                       | 9.677  | 9.647  | 9.725  | PV | 85        | 1862  | 0.02% | 0.001% |  |
| 70                                       | 9.765  | 9.725  | 9.805  | PV | 298       | 7837  | 0.10% | 0.003% |  |
| 71                                       | 9.810  | 9.805  | 9.824  | VV | 154       | 1504  | 0.02% | 0.001% |  |
| 72                                       | 9.864  | 9.824  | 9.879  | VV | 218       | 5580  | 0.07% | 0.002% |  |
| 73                                       | 9.895  | 9.879  | 9.909  | VV | 288       | 3044  | 0.04% | 0.001% |  |
| 74                                       | 9.950  | 9.909  | 9.998  | VV | 235       | 5091  | 0.07% | 0.002% |  |
| 75                                       | 10.035 | 9.998  | 10.071 | VV | 210       | 4057  | 0.05% | 0.002% |  |
| 76                                       | 10.094 | 10.071 | 10.111 | VV | 488       | 6406  | 0.08% | 0.002% |  |
| 77                                       | 10.124 | 10.111 | 10.148 | VV | 315       | 5165  | 0.07% | 0.002% |  |
| 78                                       | 10.239 | 10.232 | 10.261 | VV | 184       | 2559  | 0.03% | 0.001% |  |
| 79                                       | 10.273 | 10.261 | 10.305 | VV | 143       | 2226  | 0.03% | 0.001% |  |
| 80                                       | 10.313 | 10.305 | 10.319 | PV | 69        | 500   | 0.01% | 0.000% |  |
| 81                                       | 10.399 | 10.319 | 10.421 | VV | 497       | 17789 | 0.23% | 0.007% |  |
| 82                                       | 10.436 | 10.421 | 10.474 | VV | 287       | 6295  | 0.08% | 0.002% |  |
| 83                                       | 10.519 | 10.474 | 10.537 | VV | 231       | 5778  | 0.07% | 0.002% |  |
| 84                                       | 10.559 | 10.537 | 10.587 | VV | 507       | 9058  | 0.12% | 0.003% |  |
| 85                                       | 10.647 | 10.587 | 10.691 | VV | 481       | 17693 | 0.23% | 0.007% |  |
| 86                                       | 10.704 | 10.691 | 10.745 | VV | 172       | 3208  | 0.04% | 0.001% |  |
| 87                                       | 10.770 | 10.745 | 10.780 | VV | 164       | 1699  | 0.02% | 0.001% |  |
| 88                                       | 10.800 | 10.780 | 10.818 | PV | 286       | 4170  | 0.05% | 0.002% |  |
| 89                                       | 10.843 | 10.818 | 10.865 | VV | 394       | 7599  | 0.10% | 0.003% |  |

|                        |        |        |        |    |       |         |                                          |        |   |
|------------------------|--------|--------|--------|----|-------|---------|------------------------------------------|--------|---|
| Instrument : FID_F     |        |        |        |    |       |         |                                          |        |   |
| ClientSampleId : WC1DL |        |        |        |    |       |         |                                          |        |   |
| 90                     | 10.911 | 10.865 | 10.940 | VV | 1804  | 32810   | 0.42%                                    | 0.012% | A |
| 91                     | 10.982 | 10.940 | 11.009 | VV | 921   | 19309   | Manual IntegrationsAPPROVED              |        |   |
| 92                     | 11.039 | 11.009 | 11.078 | VV | 506   | 10757   |                                          |        |   |
| 93                     | 11.134 | 11.078 | 11.178 | VV | 328   | 6416    | Reviewed By :Yogesh Patel 03/21/2025     |        |   |
| 94                     | 11.230 | 11.178 | 11.267 | PV | 389   | 10310   | Supervised By :mohammad ahmed 03/24/2025 |        |   |
| 95                     | 11.316 | 11.267 | 11.355 | VV | 718   | 20515   |                                          |        |   |
| 96                     | 11.365 | 11.355 | 11.378 | VV | 288   | 3157    | 0.04%                                    | 0.001% | E |
| 97                     | 11.397 | 11.378 | 11.411 | VV | 163   | 2476    | 0.03%                                    | 0.001% | F |
| 98                     | 11.426 | 11.411 | 11.457 | VV | 111   | 2419    | 0.03%                                    | 0.001% |   |
| 99                     | 11.548 | 11.457 | 11.573 | PV | 2143  | 35757   | 0.46%                                    | 0.013% | G |
| 100                    | 11.615 | 11.573 | 11.665 | VV | 3041  | 64525   | 0.83%                                    | 0.024% |   |
| 101                    | 11.668 | 11.665 | 11.675 | VV | 348   | 1766    | 0.02%                                    | 0.001% | H |
| 102                    | 11.707 | 11.675 | 11.743 | VV | 2120  | 35336   | 0.45%                                    | 0.013% |   |
| 103                    | 11.772 | 11.743 | 11.784 | VV | 163   | 2967    | 0.04%                                    | 0.001% | I |
| 104                    | 11.812 | 11.784 | 11.831 | VV | 320   | 3978    | 0.05%                                    | 0.001% |   |
| 105                    | 11.905 | 11.831 | 11.957 | PV | 514   | 17073   | 0.22%                                    | 0.006% | J |
| 106                    | 12.018 | 11.957 | 12.031 | PV | 566   | 12040   | 0.15%                                    | 0.005% |   |
| 107                    | 12.106 | 12.031 | 12.142 | VV | 1201  | 25434   | 0.33%                                    | 0.010% |   |
| 108                    | 12.171 | 12.142 | 12.188 | VV | 508   | 8848    | 0.11%                                    | 0.003% |   |
| 109                    | 12.283 | 12.188 | 12.313 | VV | 2643  | 93307   | 1.19%                                    | 0.035% |   |
| 110                    | 12.320 | 12.313 | 12.335 | VV | 782   | 8687    | 0.11%                                    | 0.003% |   |
| 111                    | 12.411 | 12.335 | 12.458 | VV | 1812  | 92674   | 1.19%                                    | 0.035% |   |
| 112                    | 12.505 | 12.458 | 12.517 | VV | 2362  | 67425   | 0.86%                                    | 0.025% |   |
| 113                    | 12.543 | 12.517 | 12.578 | VV | 8309  | 180058  | 2.30%                                    | 0.068% |   |
| 114                    | 12.595 | 12.578 | 12.610 | VV | 3993  | 71801   | 0.92%                                    | 0.027% |   |
| 115                    | 12.658 | 12.610 | 12.671 | VV | 4354  | 144107  | 1.84%                                    | 0.054% |   |
| 116                    | 12.711 | 12.671 | 12.731 | VV | 4543  | 159882  | 2.05%                                    | 0.060% |   |
| 117                    | 12.789 | 12.731 | 12.808 | VV | 6163  | 237824  | 3.04%                                    | 0.090% |   |
| 118                    | 12.868 | 12.808 | 12.901 | VV | 8858  | 402542  | 5.15%                                    | 0.152% |   |
| 119                    | 12.928 | 12.901 | 12.953 | VV | 12014 | 288691  | 3.69%                                    | 0.109% |   |
| 120                    | 12.985 | 12.953 | 13.000 | VV | 8525  | 232333  | 2.97%                                    | 0.088% |   |
| 121                    | 13.042 | 13.000 | 13.051 | VV | 10418 | 295011  | 3.77%                                    | 0.111% |   |
| 122                    | 13.072 | 13.051 | 13.105 | VV | 10939 | 330789  | 4.23%                                    | 0.125% |   |
| 123                    | 13.293 | 13.105 | 13.302 | VV | 15339 | 1477355 | 18.90%                                   | 0.557% |   |
| 124                    | 13.374 | 13.302 | 13.403 | VV | 91473 | 1923758 | 24.61%                                   | 0.725% |   |
| 125                    | 13.424 | 13.403 | 13.453 | VV | 24490 | 661351  | 8.46%                                    | 0.249% |   |
| 126                    | 13.478 | 13.453 | 13.523 | VV | 22202 | 883701  | 11.31%                                   | 0.333% |   |
| 127                    | 13.543 | 13.523 | 13.560 | VV | 23068 | 490668  | 6.28%                                    | 0.185% |   |
| 128                    | 13.590 | 13.560 | 13.602 | VV | 24599 | 586551  | 7.50%                                    | 0.221% |   |
| 129                    | 13.619 | 13.602 | 13.641 | VV | 25935 | 589710  | 7.54%                                    | 0.222% |   |
| 130                    | 13.707 | 13.641 | 13.727 | VV | 29156 | 1355052 | 17.34%                                   | 0.511% |   |
| 131                    | 13.772 | 13.727 | 13.795 | VV | 38319 | 1312750 | 16.79%                                   | 0.495% |   |
| 132                    | 13.817 | 13.795 | 13.835 | VV | 33833 | 786174  | 10.06%                                   | 0.296% |   |
| 133                    | 13.857 | 13.835 | 13.878 | VV | 33597 | 852940  | 10.91%                                   | 0.322% |   |
| 134                    | 13.972 | 13.878 | 14.005 | VV | 38799 | 2643932 | 33.83%                                   | 0.997% |   |
| 135                    | 14.040 | 14.005 | 14.063 | VV | 42601 | 1382848 | 17.69%                                   | 0.521% |   |
| 136                    | 14.078 | 14.063 | 14.095 | VV | 40640 | 757755  | 9.69%                                    | 0.286% |   |
| 137                    | 14.126 | 14.095 | 14.159 | VV | 43701 | 1546929 | 19.79%                                   | 0.583% |   |
| 138                    | 14.181 | 14.159 | 14.201 | VV | 43171 | 1064000 | 13.61%                                   | 0.401% |   |
| 139                    | 14.222 | 14.201 | 14.235 | VV | 42437 | 839462  | 10.74%                                   | 0.316% |   |
| 140                    | 14.273 | 14.235 | 14.301 | VV | 46858 | 1797448 | 23.00%                                   | 0.678% |   |
| 141                    | 14.311 | 14.301 | 14.320 | VV | 45593 | 497934  | 6.37%                                    | 0.188% |   |

|                                                                                  |        |        |        |       |        |         |               |
|----------------------------------------------------------------------------------|--------|--------|--------|-------|--------|---------|---------------|
| Instrument :<br>FID_F<br>ClientSampleId :<br>WC1DL                               |        |        |        |       |        |         |               |
| Manual IntegrationsAPPROVED                                                      |        |        |        |       |        |         |               |
| Reviewed By :Yogesh Patel 03/21/2025<br>Supervised By :mohammad ahmed 03/24/2025 |        |        |        |       |        |         |               |
|                                                                                  |        |        |        | rters |        |         |               |
| 142                                                                              | 14.361 | 14.320 | 14.388 | VV    | 59661  | 2143933 | 27.43% 0.808% |
| 143                                                                              | 14.430 | 14.388 | 14.474 | VV    | 54003  | 2630621 | 33.00% 0.808% |
| 144                                                                              | 14.512 | 14.474 | 14.565 | VV    | 56706  | 2922811 | 37.00% 0.808% |
| 145                                                                              | 14.587 | 14.565 | 14.613 | VV    | 56340  | 1603585 | 20.00% 0.808% |
| 146                                                                              | 14.641 | 14.613 | 14.671 | VV    | 59525  | 1964750 | 25.00% 0.410% |
| 147                                                                              | 14.690 | 14.671 | 14.702 | VV    | 58409  | 1041668 | 13.00% 0.410% |
| 148                                                                              | 14.716 | 14.702 | 14.734 | VV    | 57473  | 1087760 | 13.92% 0.410% |
| 149                                                                              | 14.816 | 14.734 | 14.868 | VV    | 72391  | 5101402 | 65.27% 1.923% |
| 150                                                                              | 14.889 | 14.868 | 14.898 | VV    | 62735  | 1107379 | 14.17% 0.418% |
| 151                                                                              | 14.943 | 14.898 | 15.030 | VV    | 70546  | 5124604 | 65.56% 1.932% |
| 152                                                                              | 15.087 | 15.030 | 15.100 | VV    | 66248  | 2719878 | 34.80% 1.025% |
| 153                                                                              | 15.148 | 15.100 | 15.181 | VV    | 69479  | 3272767 | 41.87% 1.234% |
| 154                                                                              | 15.221 | 15.181 | 15.244 | VV    | 75179  | 2630933 | 33.66% 0.992% |
| 155                                                                              | 15.278 | 15.244 | 15.334 | VV    | 72570  | 3772417 | 48.26% 1.422% |
| 156                                                                              | 15.374 | 15.334 | 15.406 | VV    | 76594  | 3030208 | 38.77% 1.142% |
| 157                                                                              | 15.432 | 15.406 | 15.458 | VV    | 69549  | 2103266 | 26.91% 0.793% |
| 158                                                                              | 15.489 | 15.458 | 15.513 | VV    | 73582  | 2319938 | 29.68% 0.875% |
| 159                                                                              | 15.523 | 15.513 | 15.535 | VV    | 69703  | 911341  | 11.66% 0.344% |
| 160                                                                              | 15.563 | 15.535 | 15.624 | VV    | 72951  | 3735408 | 47.79% 1.408% |
| 161                                                                              | 15.672 | 15.624 | 15.722 | VV    | 75423  | 4176540 | 53.43% 1.575% |
| 162                                                                              | 15.776 | 15.722 | 15.831 | VV    | 96690  | 5164065 | 66.07% 1.947% |
| 163                                                                              | 15.840 | 15.831 | 15.871 | VV    | 72493  | 1697824 | 21.72% 0.640% |
| 164                                                                              | 15.891 | 15.871 | 15.945 | VV    | 74134  | 3061845 | 39.17% 1.154% |
| 165                                                                              | 15.975 | 15.945 | 15.991 | VV    | 74369  | 1999431 | 25.58% 0.754% |
| 166                                                                              | 16.018 | 15.991 | 16.034 | VV    | 75344  | 1883693 | 24.10% 0.710% |
| 167                                                                              | 16.067 | 16.034 | 16.118 | VV    | 90195  | 4022984 | 51.47% 1.517% |
| 168                                                                              | 16.140 | 16.118 | 16.171 | VV    | 76661  | 2377784 | 30.42% 0.896% |
| 169                                                                              | 16.215 | 16.171 | 16.231 | VV    | 77978  | 2699573 | 34.54% 1.018% |
| 170                                                                              | 16.289 | 16.231 | 16.335 | VV    | 85338  | 4925109 | 63.01% 1.857% |
| 171                                                                              | 16.350 | 16.335 | 16.374 | VV    | 74400  | 1727490 | 22.10% 0.651% |
| 172                                                                              | 16.453 | 16.374 | 16.524 | VV    | 90276  | 7265225 | 92.95% 2.739% |
| 173                                                                              | 16.574 | 16.524 | 16.608 | VV    | 92168  | 4313789 | 55.19% 1.626% |
| 174                                                                              | 16.623 | 16.608 | 16.667 | VV    | 89339  | 2909269 | 37.22% 1.097% |
| 175                                                                              | 16.697 | 16.667 | 16.728 | VV    | 82408  | 2901637 | 37.12% 1.094% |
| 176                                                                              | 16.742 | 16.728 | 16.775 | VV    | 86775  | 2266330 | 28.99% 0.854% |
| 177                                                                              | 16.788 | 16.775 | 16.817 | VV    | 78893  | 1953134 | 24.99% 0.736% |
| 178                                                                              | 16.862 | 16.817 | 16.871 | VV    | 83621  | 2632080 | 33.67% 0.992% |
| 179                                                                              | 16.915 | 16.871 | 16.928 | VV    | 88360  | 2926052 | 37.43% 1.103% |
| 180                                                                              | 16.961 | 16.928 | 16.998 | VV    | 96847  | 3867336 | 49.48% 1.458% |
| 181                                                                              | 17.009 | 16.998 | 17.029 | VV    | 92561  | 1690715 | 21.63% 0.637% |
| 182                                                                              | 17.067 | 17.029 | 17.115 | VV    | 99536  | 4783835 | 61.20% 1.804% |
| 183                                                                              | 17.204 | 17.115 | 17.218 | VV    | 109345 | 5975508 | 76.45% 2.253% |
| 184                                                                              | 17.235 | 17.218 | 17.261 | VV    | 118345 | 2831547 | 36.23% 1.068% |
| 185                                                                              | 17.293 | 17.261 | 17.310 | VV    | 106769 | 3071317 | 39.29% 1.158% |
| 186                                                                              | 17.344 | 17.310 | 17.364 | VV    | 123428 | 3633515 | 46.49% 1.370% |
| 187                                                                              | 17.431 | 17.364 | 17.441 | VV    | 132201 | 5685886 | 72.74% 2.144% |
| 188                                                                              | 17.472 | 17.441 | 17.499 | VV    | 145424 | 4738504 | 60.62% 1.787% |
| 189                                                                              | 17.534 | 17.499 | 17.575 | VV    | 147397 | 6119583 | 78.29% 2.307% |
| 190                                                                              | 17.606 | 17.575 | 17.640 | VV    | 158443 | 5555708 | 71.08% 2.095% |
| 191                                                                              | 17.662 | 17.640 | 17.697 | VV    | 140680 | 4508039 | 57.67% 1.700% |
| 192                                                                              | 17.733 | 17.697 | 17.755 | VV    | 128665 | 4278867 | 54.74% 1.613% |
| 193                                                                              | 17.778 | 17.755 | 17.825 | VV    | 136640 | 5054704 | 64.67% 1.906% |
| 194                                                                              | 17.838 | 17.825 | 17.850 | VV    | 109263 | 1604124 | 20.52% 0.605% |

|                         |        |        |        |    |        |           |         |                           |                                                                                                                     |
|-------------------------|--------|--------|--------|----|--------|-----------|---------|---------------------------|---------------------------------------------------------------------------------------------------------------------|
|                         |        |        |        |    |        |           |         | Instrument :<br>FID_F     |                                                                                                                     |
|                         |        |        |        |    |        |           |         | ClientSampleId :<br>WC1DL |                                                                                                                     |
| 195                     | 17.860 | 17.850 | 17.891 | VV | 108400 | 2529910   | 32.37%  | 0.954%                    |                                                                                                                     |
| 196                     | 17.905 | 17.891 | 17.941 | VV | 96030  | 2789136   | 35.18%  | 0.954%                    | Manual IntegrationsAPPROVED<br><br>Reviewed By :Yogesh Patel 03/21/2025<br>Supervised By :mohammad ahmed 03/24/2025 |
| 197                     | 17.959 | 17.941 | 17.978 | VV | 93465  | 1983531   | 25.18%  | 0.954%                    |                                                                                                                     |
| 198                     | 18.000 | 17.978 | 18.057 | VV | 98218  | 4467981   | 57.18%  | 0.954%                    |                                                                                                                     |
| 199                     | 18.095 | 18.057 | 18.128 | VV | 96052  | 3769525   | 48.18%  | 0.954%                    |                                                                                                                     |
| 200                     | 18.145 | 18.128 | 18.162 | VV | 82924  | 1668217   | 21.18%  | 0.954%                    |                                                                                                                     |
| 201                     | 18.180 | 18.162 | 18.198 | VV | 81087  | 1700870   | 21.76%  | 0.641%                    |                                                                                                                     |
| 202                     | 18.248 | 18.198 | 18.328 | VV | 111122 | 6814413   | 87.18%  | 2.569%                    |                                                                                                                     |
| 203                     | 18.339 | 18.328 | 18.362 | VV | 77448  | 1571853   | 20.11%  | 0.593%                    |                                                                                                                     |
| 204                     | 18.394 | 18.362 | 18.404 | VV | 80472  | 1963893   | 25.13%  | 0.740%                    |                                                                                                                     |
| 205                     | 18.416 | 18.404 | 18.428 | VV | 79503  | 1135484   | 14.53%  | 0.428%                    |                                                                                                                     |
| 206                     | 18.452 | 18.428 | 18.505 | VV | 87919  | 3778460   | 48.34%  | 1.425%                    |                                                                                                                     |
| 207                     | 18.522 | 18.505 | 18.545 | VV | 77677  | 1744003   | 22.31%  | 0.658%                    |                                                                                                                     |
| 208                     | 18.582 | 18.545 | 18.591 | VV | 74791  | 1957539   | 25.04%  | 0.738%                    |                                                                                                                     |
| 209                     | 18.614 | 18.591 | 18.670 | VV | 104715 | 3762573   | 48.14%  | 1.419%                    |                                                                                                                     |
| 210                     | 18.680 | 18.670 | 18.708 | VV | 69210  | 1504365   | 19.25%  | 0.567%                    |                                                                                                                     |
| 211                     | 18.801 | 18.708 | 18.883 | VV | 81178  | 7816426   | 100.00% | 2.947%                    |                                                                                                                     |
| 212                     | 18.895 | 18.883 | 18.907 | VV | 73959  | 1049921   | 13.43%  | 0.396%                    |                                                                                                                     |
| 213                     | 18.924 | 18.907 | 18.973 | VV | 74441  | 2729513   | 34.92%  | 1.029%                    |                                                                                                                     |
| 214                     | 18.999 | 18.973 | 19.008 | VV | 69028  | 1423559   | 18.21%  | 0.537%                    |                                                                                                                     |
| 215                     | 19.036 | 19.008 | 19.061 | VV | 83614  | 2433586   | 31.13%  | 0.918%                    |                                                                                                                     |
| 216                     | 19.088 | 19.061 | 19.106 | VV | 81380  | 2107284   | 26.96%  | 0.795%                    |                                                                                                                     |
| 217                     | 19.115 | 19.106 | 19.156 | VV | 77072  | 2258534   | 28.89%  | 0.852%                    |                                                                                                                     |
| 218                     | 19.215 | 19.156 | 19.241 | VV | 77429  | 3716275   | 47.54%  | 1.401%                    |                                                                                                                     |
| Sum of corrected areas: |        |        |        |    |        | 265233893 |         |                           |                                                                                                                     |

Aliphatic EPH 031725.M Fri Mar 21 08:17:40 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_G\Data\FG032025AR\  
Data File : FG015521.D  
Signal(s) : FID1A.ch  
Acq On : 20 Mar 2025 16:26  
Operator : YP\AJ  
Sample : Q1574-01DL 250X  
Misc :  
ALS Vial : 29 Sample Multiplier: 1

Instrument :  
FID\_G  
ClientSampleId :  
WC1DL

A  
B  
C  
D  
E  
F  
G  
H  
I  
J

Integration File: autoint1.e  
Quant Time: Mar 21 01:00:59 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_G\Method\Aromatic EPH 031725.M  
Quant Title : GC Extractables  
QLast Update : Tue Mar 18 05:13:04 2025  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 µl  
Signal Phase : Rxi-1ms  
Signal Info : 20M x 0.18mm x 0.18µm

| Compound                    | R.T. | Response | Conc Units |
|-----------------------------|------|----------|------------|
| -----                       |      |          |            |
| System Monitoring Compounds |      |          |            |
| Target Compounds            |      |          |            |
| -----                       |      |          |            |

(f)=RT Delta > 1/2 Window

(m)=manual int.

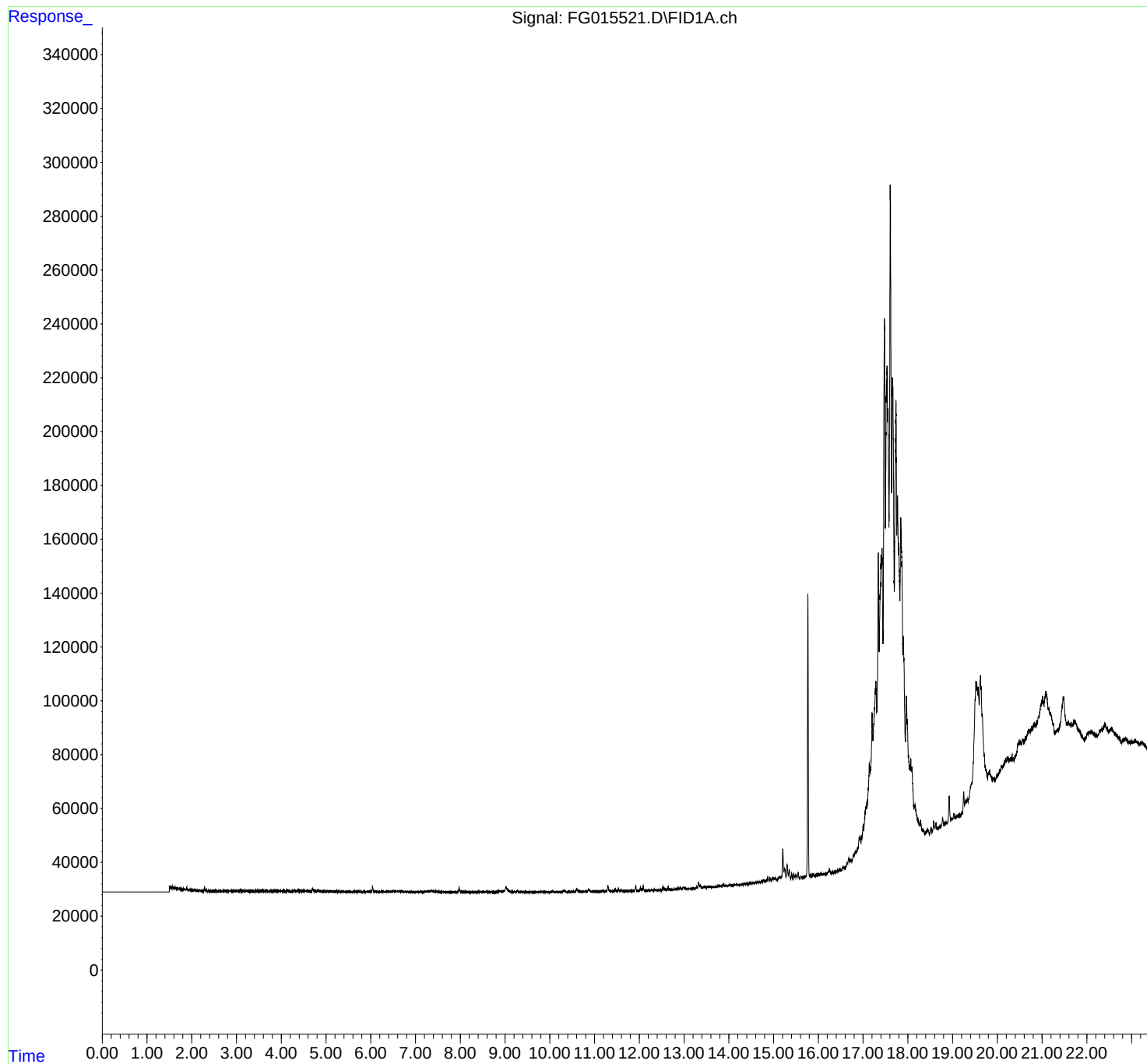


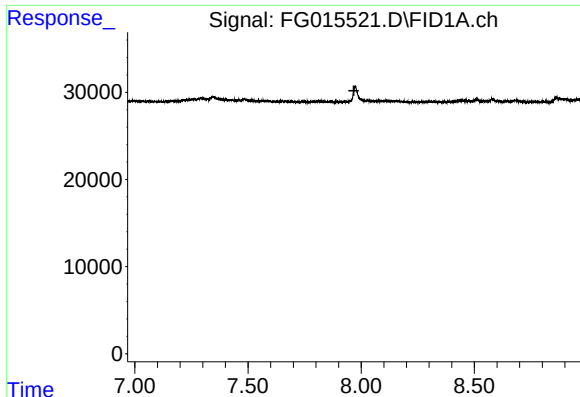
Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_G\Data\FG032025AR\  
Data File : FG015521.D  
Signal(s) : FID1A.ch  
Acq On : 20 Mar 2025 16:26  
Operator : YP\AJ  
Sample : Q1574-01DL 250X  
Misc :  
ALS Vial : 29 Sample Multiplier: 1

Instrument :  
FID\_G  
ClientSampleId :  
WC1DL

Integration File: autoint1.e  
Quant Time: Mar 21 01:00:59 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_G\Method\Aromatic EPH 031725.M  
Quant Title : GC Extractables  
QLast Update : Tue Mar 18 05:13:04 2025  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 µl  
Signal Phase : Rxi-1ms  
Signal Info : 20M x 0.18mm x 0.18µm

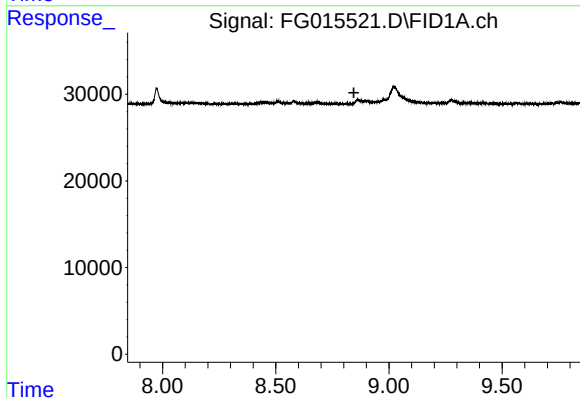




## #4 2-Bromonaphthalene (SURRE)

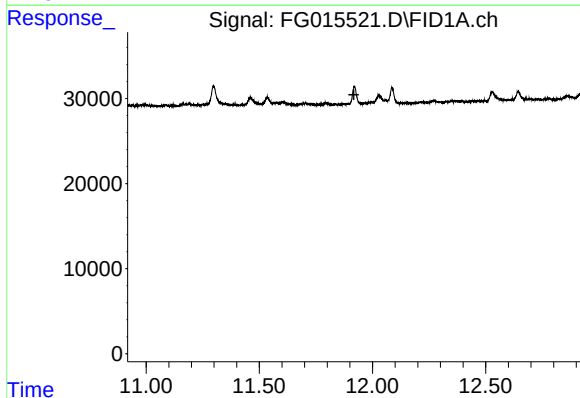
R.T.: 0.000 min  
Exp R.T. : 7.968 min  
Response: 0  
Conc: N.D.

Instrument :  
FID\_G  
ClientSampleId :  
WC1DL



## #6 2-Fluorobiphenyl (SURRE)

R.T.: 0.000 min  
Exp R.T. : 8.845 min  
Response: 0  
Conc: N.D.



## #11 ortho-Terphenyl (SURRE)

R.T.: 0.000 min  
Exp R.T. : 11.918 min  
Response: 0  
Conc: N.D.

rteres

## Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_G\Data\FG032025AR\  
 Data File : FG015521.D  
 Signal(s) : FID1A.ch  
 Acq On : 20 Mar 2025 16:26  
 Sample : Q1574-01DL 250X  
 Misc :  
 ALS Vial : 29 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID\_G\Method\Aromatic EPH 031725.M  
 Title : GC Extractables

Signal : FID1A.ch

| peak<br># | R.T.<br>min | Start<br>min | End<br>min | PK<br>TY | peak<br>height | peak<br>area | peak<br>% max. | % of<br>total |
|-----------|-------------|--------------|------------|----------|----------------|--------------|----------------|---------------|
| 1         | 4.301       | 4.287        | 4.330      | PV       | 94             | 1448         | 0.02%          | 0.004%        |
| 2         | 4.475       | 4.455        | 4.485      | VV       | 201            | 1841         | 0.03%          | 0.005%        |
| 3         | 4.520       | 4.509        | 4.536      | VV       | 203            | 1981         | 0.03%          | 0.005%        |
| 4         | 4.561       | 4.557        | 4.575      | VV       | 174            | 1441         | 0.02%          | 0.004%        |
| 5         | 4.646       | 4.627        | 4.652      | VV       | 195            | 2018         | 0.03%          | 0.005%        |
| 6         | 4.779       | 4.776        | 4.785      | VV       | 204            | 1038         | 0.01%          | 0.003%        |
| 7         | 4.914       | 4.907        | 4.929      | VV       | 176            | 1769         | 0.02%          | 0.004%        |
| 8         | 4.947       | 4.938        | 4.952      | VV       | 181            | 1032         | 0.01%          | 0.003%        |
| 9         | 5.157       | 5.152        | 5.170      | VV       | 146            | 1045         | 0.01%          | 0.003%        |
| 10        | 5.177       | 5.170        | 5.220      | VV       | 144            | 2572         | 0.04%          | 0.006%        |
| 11        | 5.232       | 5.220        | 5.237      | VV       | 217            | 1486         | 0.02%          | 0.004%        |
| 12        | 5.243       | 5.237        | 5.254      | VV       | 247            | 1396         | 0.02%          | 0.004%        |
| 13        | 5.318       | 5.289        | 5.322      | VV       | 168            | 1986         | 0.03%          | 0.005%        |
| 14        | 5.387       | 5.381        | 5.412      | VV       | 88             | 1278         | 0.02%          | 0.003%        |
| 15        | 5.480       | 5.473        | 5.587      | VV       | 150            | 5505         | 0.08%          | 0.014%        |
| 16        | 5.592       | 5.587        | 5.619      | VV       | 88             | 1518         | 0.02%          | 0.004%        |
| 17        | 5.623       | 5.619        | 5.649      | VV       | 155            | 1162         | 0.02%          | 0.003%        |
| 18        | 5.668       | 5.657        | 5.685      | VV       | 215            | 2232         | 0.03%          | 0.006%        |
| 19        | 5.781       | 5.769        | 5.789      | VV       | 192            | 1079         | 0.01%          | 0.003%        |
| 20        | 5.793       | 5.789        | 5.822      | VV       | 126            | 1494         | 0.02%          | 0.004%        |
| 21        | 5.860       | 5.833        | 5.890      | VV       | 168            | 2777         | 0.04%          | 0.007%        |
| 22        | 5.898       | 5.890        | 5.928      | VV       | 176            | 1943         | 0.03%          | 0.005%        |
| 23        | 5.934       | 5.928        | 5.952      | VV       | 126            | 1462         | 0.02%          | 0.004%        |
| 24        | 5.961       | 5.952        | 5.985      | VV       | 207            | 2713         | 0.04%          | 0.007%        |
| 25        | 5.989       | 5.985        | 6.002      | VV       | 160            | 1092         | 0.01%          | 0.003%        |
| 26        | 6.096       | 6.093        | 6.109      | VV       | 155            | 1227         | 0.02%          | 0.003%        |
| 27        | 6.860       | 6.847        | 6.919      | VV       | 205            | 4665         | 0.06%          | 0.012%        |
| 28        | 6.936       | 6.919        | 6.982      | VV       | 116            | 2854         | 0.04%          | 0.007%        |
| 29        | 6.991       | 6.982        | 7.024      | VV       | 160            | 2557         | 0.04%          | 0.006%        |
| 30        | 7.034       | 7.024        | 7.046      | VV       | 123            | 1016         | 0.01%          | 0.003%        |
| 31        | 7.066       | 7.046        | 7.082      | VV       | 125            | 1530         | 0.02%          | 0.004%        |

|    |        |        |        |    | rt (min) | Area  | %Area | %Area  |
|----|--------|--------|--------|----|----------|-------|-------|--------|
| 32 | 7.165  | 7.119  | 7.175  | VV | 147      | 2715  | 0.04% | 0.007% |
| 33 | 7.186  | 7.175  | 7.195  | VV | 132      | 1234  | 0.02% | 0.003% |
| 34 | 7.667  | 7.647  | 7.709  | VV | 161      | 3427  | 0.05% | 0.009% |
| 35 | 7.739  | 7.723  | 7.767  | VV | 146      | 1971  | 0.03% | 0.005% |
| 36 | 7.785  | 7.767  | 7.796  | VV | 127      | 1326  | 0.02% | 0.003% |
| 37 | 7.812  | 7.796  | 7.855  | VV | 157      | 3575  | 0.05% | 0.009% |
| 38 | 7.865  | 7.855  | 7.888  | VV | 135      | 1515  | 0.02% | 0.004% |
| 39 | 8.229  | 8.215  | 8.257  | VV | 120      | 1794  | 0.02% | 0.005% |
| 40 | 8.272  | 8.257  | 8.284  | PV | 93       | 1390  | 0.02% | 0.003% |
| 41 | 8.329  | 8.284  | 8.355  | VV | 155      | 4450  | 0.06% | 0.011% |
| 42 | 8.366  | 8.355  | 8.393  | VV | 154      | 2109  | 0.03% | 0.005% |
| 43 | 8.747  | 8.733  | 8.774  | VV | 146      | 2429  | 0.03% | 0.006% |
| 44 | 8.783  | 8.774  | 8.808  | VV | 129      | 1988  | 0.03% | 0.005% |
| 45 | 8.816  | 8.808  | 8.837  | VV | 165      | 1706  | 0.02% | 0.004% |
| 46 | 9.669  | 9.658  | 9.685  | PV | 146      | 1498  | 0.02% | 0.004% |
| 47 | 10.255 | 10.215 | 10.261 | PV | 94       | 1665  | 0.02% | 0.004% |
| 48 | 10.382 | 10.374 | 10.400 | VV | 132      | 1680  | 0.02% | 0.004% |
| 49 | 10.518 | 10.507 | 10.531 | VV | 99       | 1120  | 0.02% | 0.003% |
| 50 | 10.727 | 10.700 | 10.742 | VV | 300      | 2798  | 0.04% | 0.007% |
| 51 | 10.940 | 10.937 | 10.960 | VV | 170      | 1830  | 0.03% | 0.005% |
| 52 | 11.089 | 11.048 | 11.102 | VV | 165      | 2993  | 0.04% | 0.008% |
| 53 | 11.113 | 11.102 | 11.142 | VV | 151      | 1881  | 0.03% | 0.005% |
| 54 | 11.794 | 11.782 | 11.824 | VV | 166      | 2965  | 0.04% | 0.007% |
| 55 | 12.154 | 12.134 | 12.169 | VV | 148      | 1486  | 0.02% | 0.004% |
| 56 | 12.272 | 12.252 | 12.312 | VV | 297      | 5611  | 0.08% | 0.014% |
| 57 | 12.495 | 12.475 | 12.504 | VV | 166      | 2250  | 0.03% | 0.006% |
| 58 | 13.071 | 13.061 | 13.105 | VV | 172      | 2289  | 0.03% | 0.006% |
| 59 | 13.148 | 13.105 | 13.164 | PV | 161      | 3318  | 0.05% | 0.008% |
| 60 | 13.560 | 13.551 | 13.633 | VV | 271      | 9295  | 0.13% | 0.023% |
| 61 | 13.660 | 13.633 | 13.695 | PV | 212      | 4377  | 0.06% | 0.011% |
| 62 | 13.712 | 13.695 | 13.732 | PV | 226      | 2627  | 0.04% | 0.007% |
| 63 | 13.768 | 13.732 | 13.779 | VV | 279      | 5036  | 0.07% | 0.013% |
| 64 | 13.828 | 13.779 | 13.840 | VV | 165      | 4742  | 0.07% | 0.012% |
| 65 | 13.876 | 13.840 | 13.902 | VV | 858      | 13245 | 0.18% | 0.033% |
| 66 | 13.940 | 13.902 | 13.974 | VV | 308      | 7639  | 0.10% | 0.019% |
| 67 | 14.018 | 13.974 | 14.040 | VV | 217      | 6126  | 0.08% | 0.015% |
| 68 | 14.064 | 14.040 | 14.100 | VV | 265      | 5708  | 0.08% | 0.014% |
| 69 | 14.126 | 14.100 | 14.135 | VV | 241      | 3136  | 0.04% | 0.008% |
| 70 | 14.166 | 14.135 | 14.185 | VV | 301      | 6298  | 0.09% | 0.016% |
| 71 | 14.208 | 14.185 | 14.242 | VV | 161      | 2806  | 0.04% | 0.007% |
| 72 | 14.280 | 14.242 | 14.299 | PV | 230      | 3322  | 0.05% | 0.008% |
| 73 | 14.361 | 14.299 | 14.373 | VV | 196      | 6002  | 0.08% | 0.015% |
| 74 | 14.385 | 14.373 | 14.407 | VV | 161      | 2047  | 0.03% | 0.005% |
| 75 | 14.430 | 14.407 | 14.442 | VV | 156      | 2285  | 0.03% | 0.006% |
| 76 | 14.486 | 14.442 | 14.502 | VV | 339      | 7705  | 0.11% | 0.019% |
| 77 | 14.542 | 14.502 | 14.578 | VV | 263      | 7870  | 0.11% | 0.020% |
| 78 | 14.630 | 14.578 | 14.650 | PV | 397      | 9555  | 0.13% | 0.024% |
| 79 | 14.680 | 14.650 | 14.707 | VV | 469      | 9713  | 0.13% | 0.024% |

|     |        |        |        |    |        |         |         |         |
|-----|--------|--------|--------|----|--------|---------|---------|---------|
| 80  | 14.733 | 14.707 | 14.752 | VV | 455    | 8764    | 0.12%   | 0.022%  |
| 81  | 14.779 | 14.752 | 14.798 | VV | 713    | 12453   | 0.17%   | 0.031%  |
| 82  | 14.830 | 14.798 | 14.852 | VV | 704    | 16471   | 0.23%   | 0.041%  |
| 83  | 14.874 | 14.852 | 14.899 | VV | 1619   | 26607   | 0.37%   | 0.067%  |
| 84  | 14.921 | 14.899 | 14.954 | VV | 1166   | 25453   | 0.35%   | 0.064%  |
| 85  | 14.977 | 14.954 | 14.994 | VV | 1620   | 22884   | 0.31%   | 0.058%  |
| 86  | 15.010 | 14.994 | 15.024 | VV | 1346   | 17618   | 0.24%   | 0.044%  |
| 87  | 15.040 | 15.024 | 15.077 | VV | 1046   | 21790   | 0.30%   | 0.055%  |
| 88  | 15.127 | 15.077 | 15.140 | VV | 1390   | 33841   | 0.46%   | 0.085%  |
| 89  | 15.154 | 15.140 | 15.167 | VV | 1203   | 18772   | 0.26%   | 0.047%  |
| 90  | 15.206 | 15.167 | 15.233 | VV | 11742  | 201710  | 2.77%   | 0.507%  |
| 91  | 15.247 | 15.233 | 15.278 | VV | 4246   | 86206   | 1.18%   | 0.217%  |
| 92  | 15.349 | 15.332 | 15.384 | VV | 3730   | 60585   | 0.83%   | 0.152%  |
| 93  | 15.405 | 15.384 | 15.428 | VV | 2125   | 29501   | 0.40%   | 0.074%  |
| 94  | 15.453 | 15.428 | 15.479 | VV | 1729   | 31768   | 0.44%   | 0.080%  |
| 95  | 15.498 | 15.479 | 15.525 | VV | 1671   | 33213   | 0.46%   | 0.083%  |
| 96  | 15.551 | 15.525 | 15.584 | VV | 2126   | 34967   | 0.48%   | 0.088%  |
| 97  | 15.611 | 15.584 | 15.644 | PV | 820    | 13004   | 0.18%   | 0.033%  |
| 98  | 15.654 | 15.644 | 15.663 | VV | 235    | 2295    | 0.03%   | 0.006%  |
| 99  | 15.703 | 15.663 | 15.715 | VV | 472    | 10214   | 0.14%   | 0.026%  |
| 100 | 15.767 | 15.715 | 15.815 | VV | 105390 | 1332072 | 18.28%  | 3.349%  |
| 101 | 15.837 | 15.815 | 15.857 | VV | 385    | 8617    | 0.12%   | 0.022%  |
| 102 | 15.876 | 15.857 | 15.925 | VV | 523    | 13970   | 0.19%   | 0.035%  |
| 103 | 16.060 | 15.925 | 16.099 | PV | 463    | 27780   | 0.38%   | 0.070%  |
| 104 | 16.135 | 16.099 | 16.149 | VV | 166    | 5255    | 0.07%   | 0.013%  |
| 105 | 16.250 | 16.149 | 16.291 | VV | 1669   | 39326   | 0.54%   | 0.099%  |
| 106 | 16.316 | 16.291 | 16.340 | PV | 330    | 3667    | 0.05%   | 0.009%  |
| 107 | 16.385 | 16.340 | 16.415 | PV | 296    | 5987    | 0.08%   | 0.015%  |
| 108 | 16.457 | 16.415 | 16.477 | PV | 489    | 11687   | 0.16%   | 0.029%  |
| 109 | 16.482 | 16.477 | 16.510 | VV | 425    | 4233    | 0.06%   | 0.011%  |
| 110 | 16.554 | 16.510 | 16.565 | PV | 971    | 13076   | 0.18%   | 0.033%  |
| 111 | 16.581 | 16.565 | 16.604 | VV | 738    | 11492   | 0.16%   | 0.029%  |
| 112 | 16.646 | 16.604 | 16.657 | VV | 1725   | 31839   | 0.44%   | 0.080%  |
| 113 | 16.677 | 16.657 | 16.723 | VV | 3238   | 93605   | 1.28%   | 0.235%  |
| 114 | 16.736 | 16.723 | 16.754 | VV | 2208   | 34767   | 0.48%   | 0.087%  |
| 115 | 16.786 | 16.754 | 16.803 | VV | 4030   | 92565   | 1.27%   | 0.233%  |
| 116 | 16.826 | 16.803 | 16.839 | VV | 4546   | 87822   | 1.21%   | 0.221%  |
| 117 | 16.930 | 16.839 | 16.950 | VV | 9444   | 453572  | 6.22%   | 1.140%  |
| 118 | 17.003 | 16.950 | 17.017 | VV | 13337  | 409632  | 5.62%   | 1.030%  |
| 119 | 17.140 | 17.017 | 17.159 | VV | 34251  | 1920954 | 26.36%  | 4.829%  |
| 120 | 17.202 | 17.159 | 17.222 | VV | 52915  | 1593782 | 21.87%  | 4.006%  |
| 121 | 17.286 | 17.222 | 17.305 | VV | 64382  | 2764184 | 37.94%  | 6.949%  |
| 122 | 17.424 | 17.360 | 17.445 | VV | 113129 | 5004233 | 68.68%  | 12.580% |
| 123 | 17.535 | 17.502 | 17.580 | VV | 179555 | 7286464 | 100.00% | 18.317% |
| 124 | 17.659 | 17.637 | 17.698 | VV | 172804 | 5296236 | 72.69%  | 13.314% |
| 125 | 17.735 | 17.698 | 17.754 | VV | 164925 | 4582772 | 62.89%  | 11.520% |
| 126 | 17.845 | 17.824 | 17.888 | VV | 120315 | 3919788 | 53.80%  | 9.854%  |

|                         |        |        |        |     | rteres   |         |        |        |
|-------------------------|--------|--------|--------|-----|----------|---------|--------|--------|
| 127                     | 17.898 | 17.888 | 17.947 | VV  | 77054    | 2118657 | 29.08% | 5.326% |
| 128                     | 18.066 | 18.052 | 18.080 | VV  | 30571    | 487330  | 6.69%  | 1.225% |
| 129                     | 18.088 | 18.080 | 18.137 | VV  | 27627    | 689585  | 9.46%  | 1.733% |
| 130                     | 18.441 | 18.379 | 18.486 | VV  | 1838     | 70075   | 0.96%  | 0.176% |
| 131                     | 18.518 | 18.486 | 18.542 | PV  | 2144     | 32467   | 0.45%  | 0.082% |
| 132                     | 18.579 | 18.542 | 18.607 | VV  | 3832     | 67909   | 0.93%  | 0.171% |
| 133                     | 18.628 | 18.607 | 18.650 | VV  | 2659     | 41622   | 0.57%  | 0.105% |
| 134                     | 18.677 | 18.650 | 18.687 | VV  | 554      | 8532    | 0.12%  | 0.021% |
| 135                     | 18.706 | 18.687 | 18.716 | VV  | 580      | 6539    | 0.09%  | 0.016% |
| 136                     | 18.732 | 18.716 | 18.747 | PV  | 514      | 6122    | 0.08%  | 0.015% |
| 137                     | 18.778 | 18.747 | 18.807 | VV  | 3200     | 53459   | 0.73%  | 0.134% |
| 138                     | 18.924 | 18.807 | 18.964 | VV  | 9684     | 173814  | 2.39%  | 0.437% |
| 139                     | 18.985 | 18.964 | 19.000 | VBA | 793      | 23038   | 0.32%  | 0.058% |
| Sum of corrected areas: |        |        |        |     | 39780347 |         |        |        |

Aromatic EPH 031725.M Fri Mar 21 06:10:43 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_F\Data\FF032025AL\  
 Data File : FF015704.D  
 Signal(s) : FID2B.ch  
 Acq On : 20 Mar 2025 16:26  
 Operator : YP\AJ  
 Sample : Q1574-01DL2 50X  
 Misc :  
 ALS Vial : 79 Sample Multiplier: 1

Instrument :  
 FID\_F  
 ClientSampleId :  
 WC1DL2

### Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/21/2025  
 Supervised By :mohammad ahmed 03/24/2025

Integration File: autoint1.e  
 Quant Time: Mar 21 00:17:26 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_F\Method\Aliphatic EPH 031725.M  
 Quant Title : GC Extractables  
 QLast Update : Tue Mar 18 02:31:19 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

Volume Inj. : 1 ul  
 Signal Phase : Rxi-1ms  
 Signal Info : 20M x 0.18mm x 0.18um

| Compound                       | R.T.   | Response   | Conc Units   |
|--------------------------------|--------|------------|--------------|
| -----                          |        |            |              |
| System Monitoring Compounds    |        |            |              |
| 12) S 1-chlorooctadecane (S... | 13.374 | 129391     | 1.140 ug/mlm |
| Spiked Amount 50.000           |        | Recovery = | 2.28%        |

Target Compounds

-----

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_F\Data\FF032025AL\  
Data File : FF015704.D  
Signal(s) : FID2B.ch  
Acq On : 20 Mar 2025 16:26  
Operator : YP\AJ  
Sample : Q1574-01DL2 50X  
Misc :  
ALS Vial : 79 Sample Multiplier: 1

**Instrument :**

FID\_F

**ClientSampleId :**

WC1DL2

**Manual Integrations****APPROVED**

Reviewed By :Yogesh Patel 03/21/2025

Supervised By :mohammad ahmed 03/24/2025

Integration File: autoint1.e

Quant Time: Mar 21 00:17:26 2025

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_F\Method\Aliphatic EPH 031725.M

Quant Title : GC Extractables

QLast Update : Tue Mar 18 02:31:19 2025

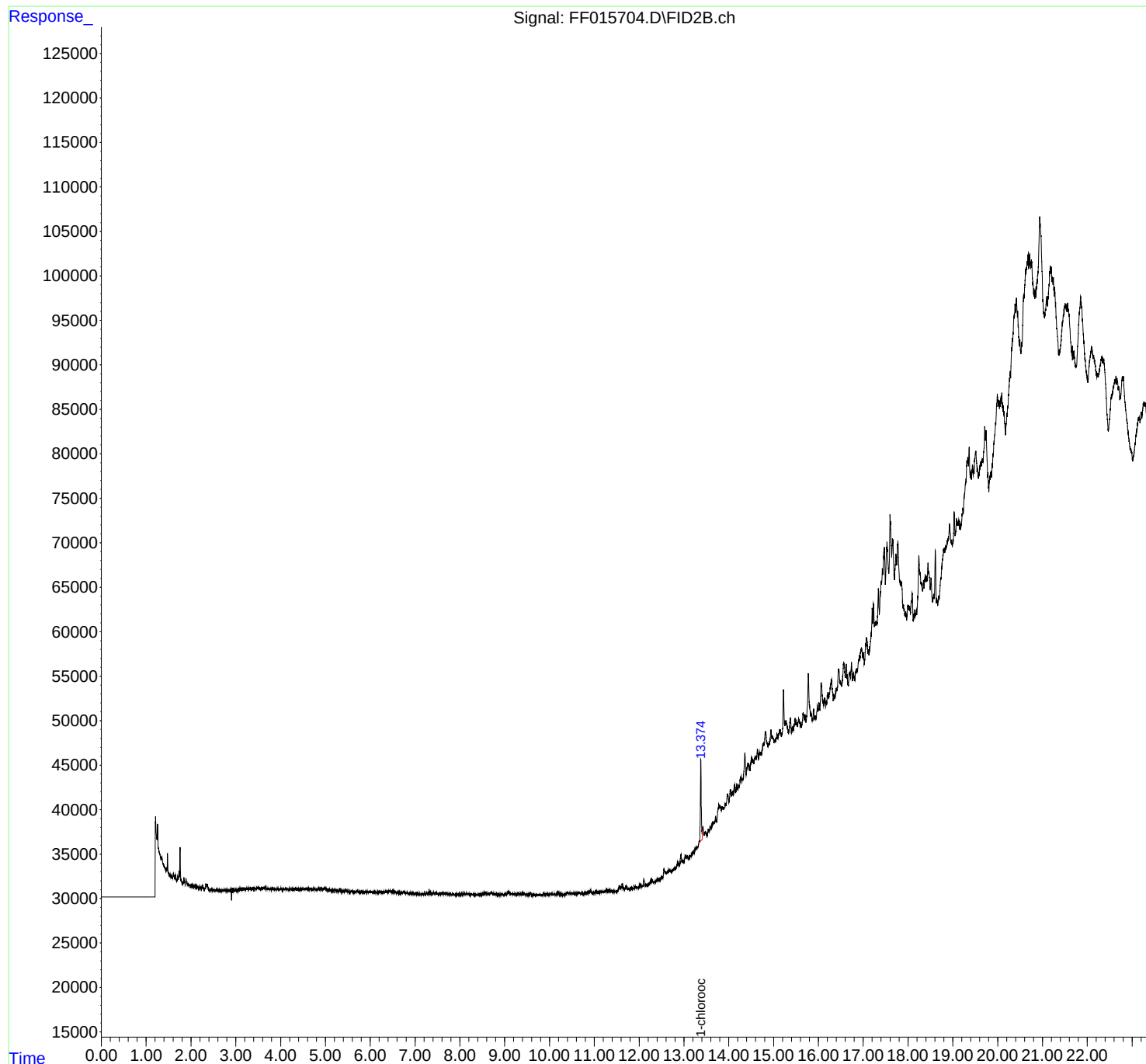
Response via : Initial Calibration

Integrator: ChemStation

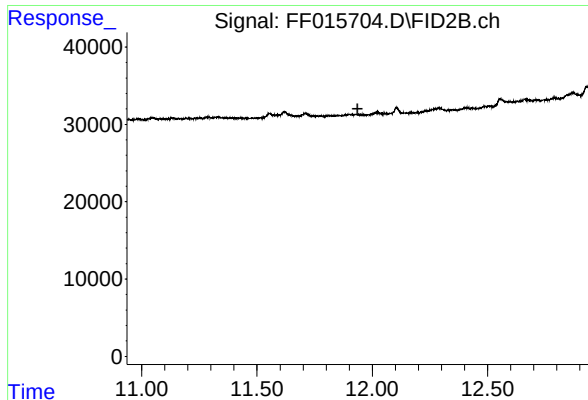
Volume Inj. : 1 ul

Signal Phase : Rxi-1ms

Signal Info : 20M x 0.18mm x 0.18um







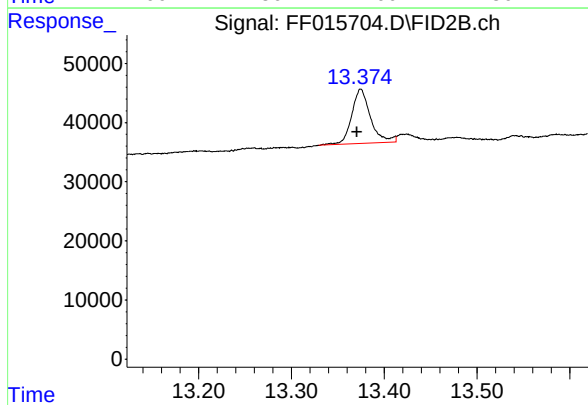
#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min  
Exp R.T.: 11.936 min  
Response: 0  
Conc: N.D.

Instrument :  
FID\_F  
ClientSampleId :  
WC1DL2

Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 03/21/2025  
Supervised By :mohammad ahmed 03/24/2025



#12 1-chlorooctadecane (SURR)

R.T.: 13.374 min  
Delta R.T.: 0.003 min  
Response: 129391  
Conc: 1.14 ug/ml m

rteres

Instrument :

FID\_F

ClientSampleId :

WC1DL2

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 03/21/2025

Supervised By :mohammad ahmed 03/24/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_F\Data\FF03202  
 Data File : FF015704.D  
 Signal(s) : FID2B.ch  
 Acq On : 20 Mar 2025 16:26  
 Sample : Q1574-01DL2 50X  
 Misc :  
 ALS Vial : 79 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID\_F\Method\Aliphatic EPH 031725.M  
 Title : GC Extractables

Signal : FID2B.ch

| peak<br># | R.T.<br>min | Start<br>min | End<br>min | PK<br>TY | peak<br>height | peak<br>area | peak<br>% max. | % of<br>total |
|-----------|-------------|--------------|------------|----------|----------------|--------------|----------------|---------------|
| 1         | 3.821       | 3.801        | 3.861      | BH       | 147            | 2291         | 0.08%          | 0.004%        |
| 2         | 4.001       | 3.984        | 4.055      | PH       | 166            | 1475         | 0.05%          | 0.002%        |
| 3         | 4.109       | 4.088        | 4.147      | PH       | 169            | 2228         | 0.08%          | 0.004%        |
| 4         | 4.691       | 4.672        | 4.720      | PH       | 98             | 876          | 0.03%          | 0.001%        |
| 5         | 4.887       | 4.875        | 4.928      | HH       | 162            | 1921         | 0.07%          | 0.003%        |
| 6         | 11.619      | 11.578       | 11.675     | HH       | 619            | 14234        | 0.49%          | 0.024%        |
| 7         | 11.710      | 11.675       | 11.795     | HH       | 361            | 8730         | 0.30%          | 0.015%        |
| 8         | 11.811      | 11.795       | 11.833     | HH       | 166            | 2093         | 0.07%          | 0.003%        |
| 9         | 11.948      | 11.833       | 11.968     | HH       | 281            | 15313        | 0.52%          | 0.026%        |
| 10        | 12.021      | 11.968       | 12.071     | HH       | 538            | 22000        | 0.75%          | 0.037%        |
| 11        | 12.106      | 12.071       | 12.151     | HH       | 1148           | 28219        | 0.97%          | 0.047%        |
| 12        | 12.291      | 12.151       | 12.325     | HH       | 1070           | 74581        | 2.55%          | 0.125%        |
| 13        | 12.408      | 12.325       | 12.458     | HH       | 1104           | 77193        | 2.64%          | 0.129%        |
| 14        | 12.556      | 12.458       | 12.609     | HH       | 2214           | 143893       | 4.92%          | 0.240%        |
| 15        | 12.665      | 12.609       | 12.695     | HH       | 2213           | 105285       | 3.60%          | 0.176%        |
| 16        | 12.715      | 12.695       | 12.731     | HH       | 2146           | 45895        | 1.57%          | 0.077%        |
| 17        | 12.870      | 12.731       | 12.905     | HH       | 3092           | 260935       | 8.93%          | 0.436%        |
| 18        | 12.931      | 12.905       | 12.959     | HH       | 3851           | 108959       | 3.73%          | 0.182%        |
| 19        | 12.976      | 12.959       | 12.997     | HH       | 3201           | 72413        | 2.48%          | 0.121%        |
| 20        | 13.039      | 12.997       | 13.105     | HH       | 3823           | 227800       | 7.80%          | 0.381%        |
| 21        | 13.375      | 13.105       | 13.406     | HH       | 14647          | 941551       | 32.22%         | 1.573%        |
| 22        | 13.423      | 13.406       | 13.455     | HH       | 6998           | 192035       | 6.57%          | 0.321%        |
| 23        | 13.477      | 13.455       | 13.525     | HH       | 6469           | 262087       | 8.97%          | 0.438%        |
| 24        | 13.707      | 13.525       | 13.731     | HH       | 7976           | 889808       | 30.45%         | 1.487%        |
| 25        | 13.782      | 13.731       | 13.835     | HH       | 9424           | 554487       | 18.98%         | 0.927%        |
| 26        | 13.856      | 13.835       | 13.877     | HH       | 9247           | 234562       | 8.03%          | 0.392%        |
| 27        | 13.973      | 13.877       | 14.001     | HH       | 10653          | 724584       | 24.80%         | 1.211%        |
| 28        | 14.038      | 14.001       | 14.108     | HH       | 11201          | 683865       | 23.40%         | 1.143%        |
| 29        | 14.128      | 14.108       | 14.155     | HH       | 11768          | 315427       | 10.79%         | 0.527%        |
| 30        | 14.179      | 14.155       | 14.205     | HH       | 11723          | 341639       | 11.69%         | 0.571%        |
| 31        | 14.272      | 14.205       | 14.294     | HH       | 12712          | 641579       | 21.96%         | 1.072%        |
| 32        | 14.358      | 14.294       | 14.387     | HH       | 15164          | 746620       | 25.55%         | 1.248%        |
| 33        | 14.431      | 14.387       | 14.475     | HH       | 14124          | 721515       | 24.69%         | 1.206%        |
| 34        | 14.511      | 14.475       | 14.557     | HH       | 14891          | 709547       | 24.28%         | 1.186%        |
| 35        | 14.595      | 14.557       | 14.611     | HH       | 14957          | 476918       | 16.32%         | 0.797%        |
| 36        | 14.639      | 14.611       | 14.666     | HH       | 15653          | 496407       | 16.99%         | 0.829%        |

| Instrument : FID_F                       |        |        |        |      |       |         |                |
|------------------------------------------|--------|--------|--------|------|-------|---------|----------------|
| ClientSampleId : WC1DL2                  |        |        |        |      |       |         |                |
| Manual IntegrationsAPPROVED              |        |        |        |      |       |         |                |
| Reviewed By :Yogesh Patel 03/21/2025     |        |        |        |      |       |         |                |
| Supervised By :mohammad ahmed 03/24/2025 |        |        |        |      |       |         |                |
| Area                                     | Area   | Area   | Area   | Area | Area  | Area    | Area           |
| 37                                       | 14.690 | 14.666 | 14.728 | HH   | 15279 | 564188  | 19.31% 0.943%  |
| 38                                       | 14.817 | 14.728 | 14.876 | HH   | 17663 | 1461629 | 50.31% 2.458%  |
| 39                                       | 14.941 | 14.876 | 15.035 | HV   | 17534 | 1564771 | 53.04% 2.552%  |
| 40                                       | 15.077 | 15.035 | 15.098 | VV   | 16198 | 605423  | 20.00% 0.943%  |
| 41                                       | 15.136 | 15.098 | 15.169 | VV   | 16288 | 683435  | 23.16% 1.131%  |
| 42                                       | 15.220 | 15.169 | 15.335 | VV   | 20383 | 1640143 | 56.25% 2.719%  |
| 43                                       | 15.372 | 15.335 | 15.408 | VV   | 16264 | 676734  | 23.16% 1.131%  |
| 44                                       | 15.482 | 15.408 | 15.529 | VV   | 15586 | 1092092 | 37.37% 1.825%  |
| 45                                       | 15.563 | 15.529 | 15.625 | VV   | 14982 | 829684  | 28.39% 1.386%  |
| 46                                       | 15.661 | 15.625 | 15.725 | VV   | 15183 | 869389  | 29.75% 1.453%  |
| 47                                       | 15.775 | 15.725 | 15.875 | VV   | 18762 | 1351358 | 46.25% 2.258%  |
| 48                                       | 15.893 | 15.875 | 15.944 | VV   | 14109 | 558588  | 19.12% 0.933%  |
| 49                                       | 15.976 | 15.944 | 15.991 | VV   | 14094 | 381482  | 13.06% 0.637%  |
| 50                                       | 16.012 | 15.991 | 16.028 | VV   | 14154 | 303580  | 10.39% 0.507%  |
| 51                                       | 16.063 | 16.028 | 16.118 | VV   | 16080 | 787198  | 26.94% 1.315%  |
| 52                                       | 16.140 | 16.118 | 16.168 | VV   | 13970 | 406558  | 13.91% 0.679%  |
| 53                                       | 16.211 | 16.168 | 16.231 | VV   | 14019 | 516072  | 17.66% 0.862%  |
| 54                                       | 16.287 | 16.231 | 16.365 | VV   | 14976 | 1107204 | 37.89% 1.850%  |
| 55                                       | 16.452 | 16.365 | 16.518 | VV   | 15312 | 1273494 | 43.58% 2.128%  |
| 56                                       | 16.568 | 16.518 | 16.601 | VV   | 15374 | 718938  | 24.60% 1.201%  |
| 57                                       | 16.620 | 16.601 | 16.668 | VV   | 14917 | 548268  | 18.76% 0.916%  |
| 58                                       | 16.699 | 16.668 | 16.717 | VV   | 13441 | 385649  | 13.20% 0.644%  |
| 59                                       | 16.738 | 16.717 | 16.768 | VV   | 14412 | 410197  | 14.04% 0.685%  |
| 60                                       | 16.785 | 16.768 | 16.808 | VV   | 13076 | 302036  | 10.34% 0.505%  |
| 61                                       | 16.962 | 16.808 | 17.024 | VV   | 14545 | 1750509 | 59.91% 2.925%  |
| 62                                       | 17.072 | 17.024 | 17.130 | VV   | 15122 | 890252  | 30.47% 1.488%  |
| 63                                       | 17.230 | 17.130 | 17.257 | VV   | 18123 | 1196487 | 40.95% 1.999%  |
| 64                                       | 17.338 | 17.257 | 17.360 | VV   | 19146 | 1010648 | 34.59% 1.689%  |
| 65                                       | 17.470 | 17.360 | 17.495 | VV   | 23127 | 1628282 | 55.72% 2.721%  |
| 66                                       | 17.530 | 17.495 | 17.571 | VV   | 23259 | 978669  | 33.49% 1.635%  |
| 67                                       | 17.602 | 17.571 | 17.636 | VV   | 25423 | 888374  | 30.40% 1.484%  |
| 68                                       | 17.656 | 17.636 | 17.695 | VV   | 22570 | 749038  | 25.63% 1.252%  |
| 69                                       | 17.731 | 17.695 | 17.747 | VV   | 20748 | 611798  | 20.94% 1.022%  |
| 70                                       | 17.772 | 17.747 | 17.970 | VV   | 21867 | 2160287 | 73.93% 3.610%  |
| 71                                       | 18.010 | 17.970 | 18.052 | VV   | 13290 | 631969  | 21.63% 1.056%  |
| 72                                       | 18.091 | 18.052 | 18.119 | VV   | 14255 | 517192  | 17.70% 0.864%  |
| 73                                       | 18.141 | 18.119 | 18.157 | VV   | 11948 | 265071  | 9.07% 0.443%   |
| 74                                       | 18.243 | 18.157 | 18.325 | VV   | 17371 | 1378657 | 47.18% 2.304%  |
| 75                                       | 18.445 | 18.325 | 18.497 | VV   | 15435 | 1445091 | 49.46% 2.415%  |
| 76                                       | 18.514 | 18.497 | 18.548 | VV   | 13402 | 365747  | 12.52% 0.611%  |
| 77                                       | 18.609 | 18.548 | 18.663 | VV   | 15959 | 797659  | 27.30% 1.333%  |
| 78                                       | 18.926 | 18.663 | 18.987 | VV   | 16907 | 2713007 | 92.85% 4.533%  |
| 79                                       | 19.030 | 18.987 | 19.061 | VV   | 17761 | 696106  | 23.82% 1.163%  |
| 80                                       | 19.085 | 19.061 | 19.101 | VV   | 16485 | 386422  | 13.22% 0.646%  |
| 81                                       | 19.130 | 19.101 | 19.181 | VV   | 16221 | 755200  | 25.85% 1.262%  |
| 82                                       | 19.362 | 19.181 | 19.415 | VV   | 23055 | 2702622 | 92.49% 4.516%  |
| 83                                       | 19.435 | 19.415 | 19.454 | VV   | 20648 | 476212  | 16.30% 0.796%  |
| 84                                       | 19.715 | 19.575 | 19.805 | VV   | 23066 | 2740971 | 93.80% 4.580%  |
| 85                                       | 19.993 | 19.805 | 20.041 | VV   | 25118 | 2922017 | 100.00% 4.883% |

Sum of corrected areas: 59845362

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_F\Data\FF032025AL\  
Data File : FF015696.D  
Signal(s) : FID2B.ch  
Acq On : 20 Mar 2025 12:31  
Operator : YP\AJ  
Sample : PB167231BL  
Misc :  
ALS Vial : 71 Sample Multiplier: 1

Instrument :  
FID\_F  
ClientSampleId :  
PB167231BL

A  
B  
C  
D  
E  
F  
G  
H  
I  
J

Integration File: autoint1.e  
Quant Time: Mar 20 14:14:40 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_F\Method\Aliphatic EPH 031725.M  
Quant Title : GC Extractables  
QLast Update : Tue Mar 18 02:31:19 2025  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 ul  
Signal Phase : Rxi-1ms  
Signal Info : 20M x 0.18mm x 0.18um

| Compound                       | R.T.   | Response | Conc Units   |
|--------------------------------|--------|----------|--------------|
| -----                          |        |          |              |
| System Monitoring Compounds    |        |          |              |
| 12) S 1-chlorooctadecane (S... | 13.368 | 3596079  | 31.686 ug/ml |
| Spiked Amount                  | 50.000 | Recovery | = 63.37%     |

Target Compounds

-----

(f)=RT Delta > 1/2 Window

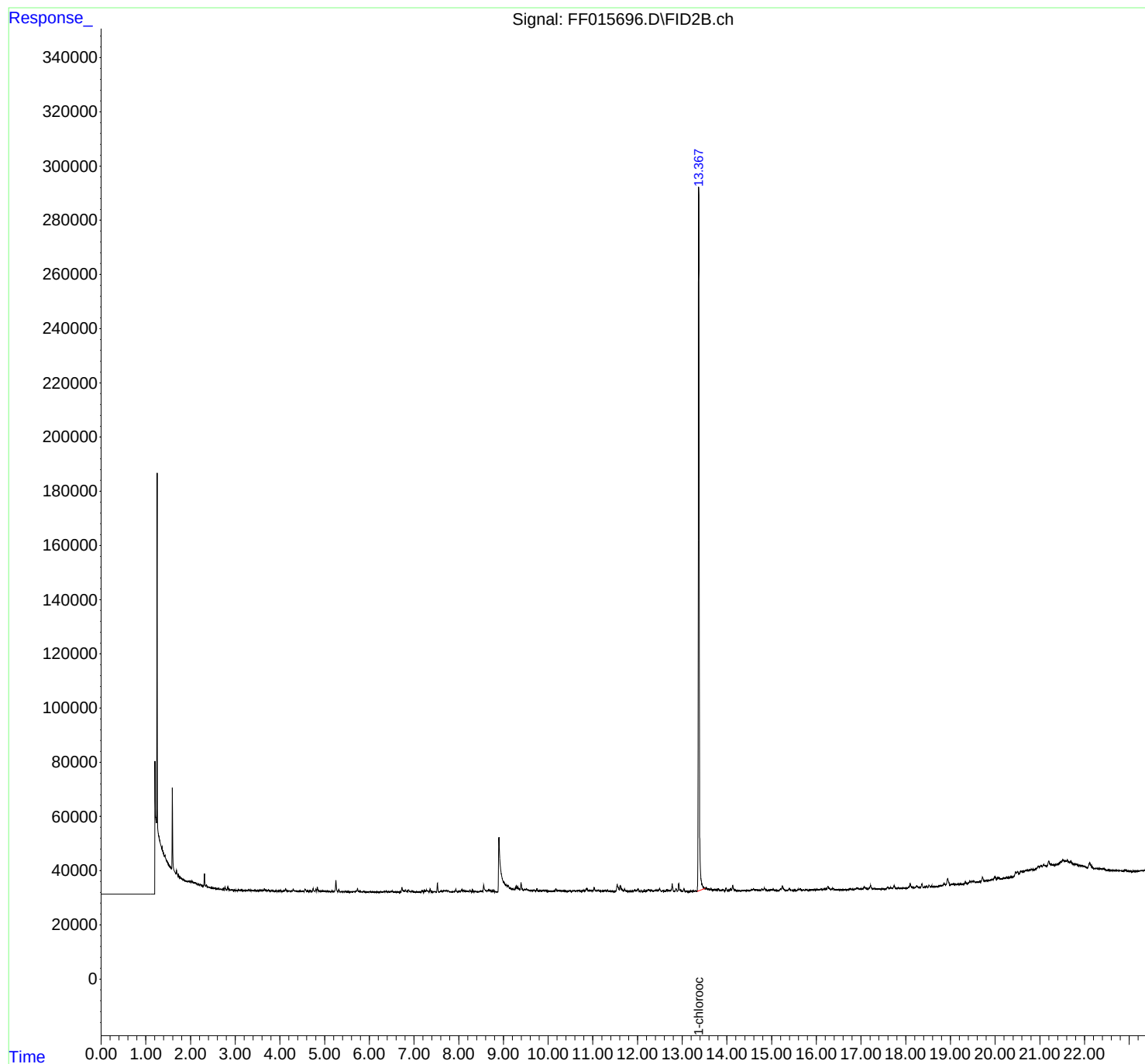
(m)=manual int.

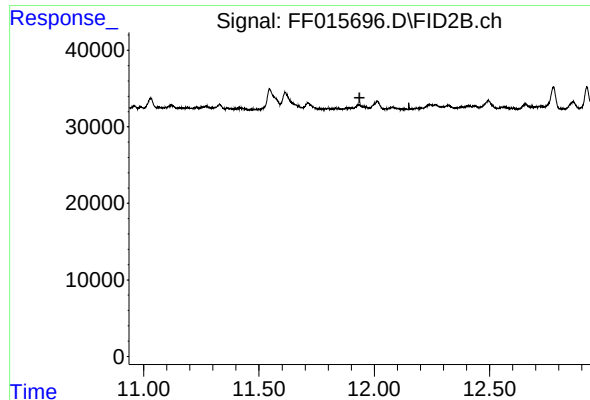
Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_F\Data\FF032025AL\  
Data File : FF015696.D  
Signal(s) : FID2B.ch  
Acq On : 20 Mar 2025 12:31  
Operator : YP\AJ  
Sample : PB167231BL  
Misc :  
ALS Vial : 71 Sample Multiplier: 1

Instrument :  
FID\_F  
ClientSampleId :  
PB167231BL

Integration File: autoint1.e  
Quant Time: Mar 20 14:14:40 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_F\Method\Aliphatic EPH 031725.M  
Quant Title : GC Extractables  
QLast Update : Tue Mar 18 02:31:19 2025  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 ul  
Signal Phase : Rxi-1ms  
Signal Info : 20M x 0.18mm x 0.18um

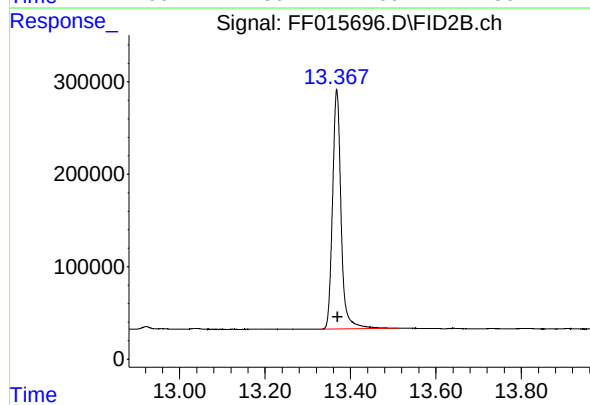




#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min  
Exp R.T.: 11.936 min  
Response: 0  
Conc: N.D.

Instrument :  
FID\_F  
ClientSampleId :  
PB167231BL



#12 1-chlorooctadecane (SURR)

R.T.: 13.368 min  
Delta R.T.: -0.003 min  
Response: 3596079  
Conc: 31.69 ug/ml

rteres

## Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_F\Data\FF032025AL\  
Data File : FF015696.D  
Signal(s) : FID2B.ch  
Acq On : 20 Mar 2025 12:31  
Sample : PB167231BL  
Misc :  
ALS Vial : 71 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID\_F\Method\Aliphatic EPH 031725.M  
Title : GC Extractables

Signal : FID2B.ch

| peak<br>#               | R.T.<br>min | Start<br>min | End<br>min | PK<br>TY | peak<br>height | peak<br>area | peak<br>% max. | % of<br>total |
|-------------------------|-------------|--------------|------------|----------|----------------|--------------|----------------|---------------|
| 1                       | 13.368      | 13.331       | 13.511     | BB       | 259124         | 3596079      | 100.00%        | 100.000%      |
| Sum of corrected areas: |             |              |            |          |                |              | 3596079        |               |

Aliphatic EPH 031725.M Fri Mar 21 08:20:51 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_G\Data\FG032025AR\  
 Data File : FG015513.D  
 Signal(s) : FID1A.ch  
 Acq On : 20 Mar 2025 12:31  
 Operator : YP\AJ  
 Sample : PB167231BL  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

**Instrument :**

FID\_G

**ClientSampleId :**

PB167231BL

**Manual Integrations****APPROVED**

Reviewed By :Yogesh Patel 03/21/2025

Supervised By :mohammad ahmed 03/24/2025

Integration File: autoint1.e

Quant Time: Mar 21 01:06:44 2025

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_G\Method\Aromatic EPH 031725.M

Quant Title : GC Extractables

QLast Update : Tue Mar 18 05:13:04 2025

Response via : Initial Calibration

Integrator: ChemStation

Volume Inj. : 1 µl

Signal Phase : Rxi-1ms

Signal Info : 20M x 0.18mm x 0.18µm

| Compound                           | R.T.   | Response   | Conc Units    |
|------------------------------------|--------|------------|---------------|
| -----                              |        |            |               |
| System Monitoring Compounds        |        |            |               |
| 4) S 2-Bromonaphthalene (S...      | 7.966  | 6105622    | 49.983 ug/ml  |
| Spiked Amount 50.000               |        | Recovery = | 99.97%        |
| 6) S 2-Fluorobiphenyl (SURR)       | 8.842  | 3028647    | 36.641 ug/mlm |
| Spiked Amount 50.000 Range 0 - 131 |        | Recovery = | 73.28%        |
| 11) S ortho-Terphenyl (SURR)       | 11.920 | 6123660    | 41.992 ug/ml  |
| Spiked Amount 50.000               |        | Recovery = | 83.98%        |

**Target Compounds**

(f)=RT Delta &gt; 1/2 Window

(m)=manual int.



Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_G\Data\FG032025AR\  
Data File : FG015513.D  
Signal(s) : FID1A.ch  
Acq On : 20 Mar 2025 12:31  
Operator : YP\AJ  
Sample : PB167231BL  
Misc :  
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**

FID\_G

**ClientSampleId :**

PB167231BL

**Manual Integrations****APPROVED**

Reviewed By :Yogesh Patel 03/21/2025

Supervised By :mohammad ahmed 03/24/2025

Integration File: autoint1.e

Quant Time: Mar 21 01:06:44 2025

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_G\Method\Aromatic EPH 031725.M

Quant Title : GC Extractables

QLast Update : Tue Mar 18 05:13:04 2025

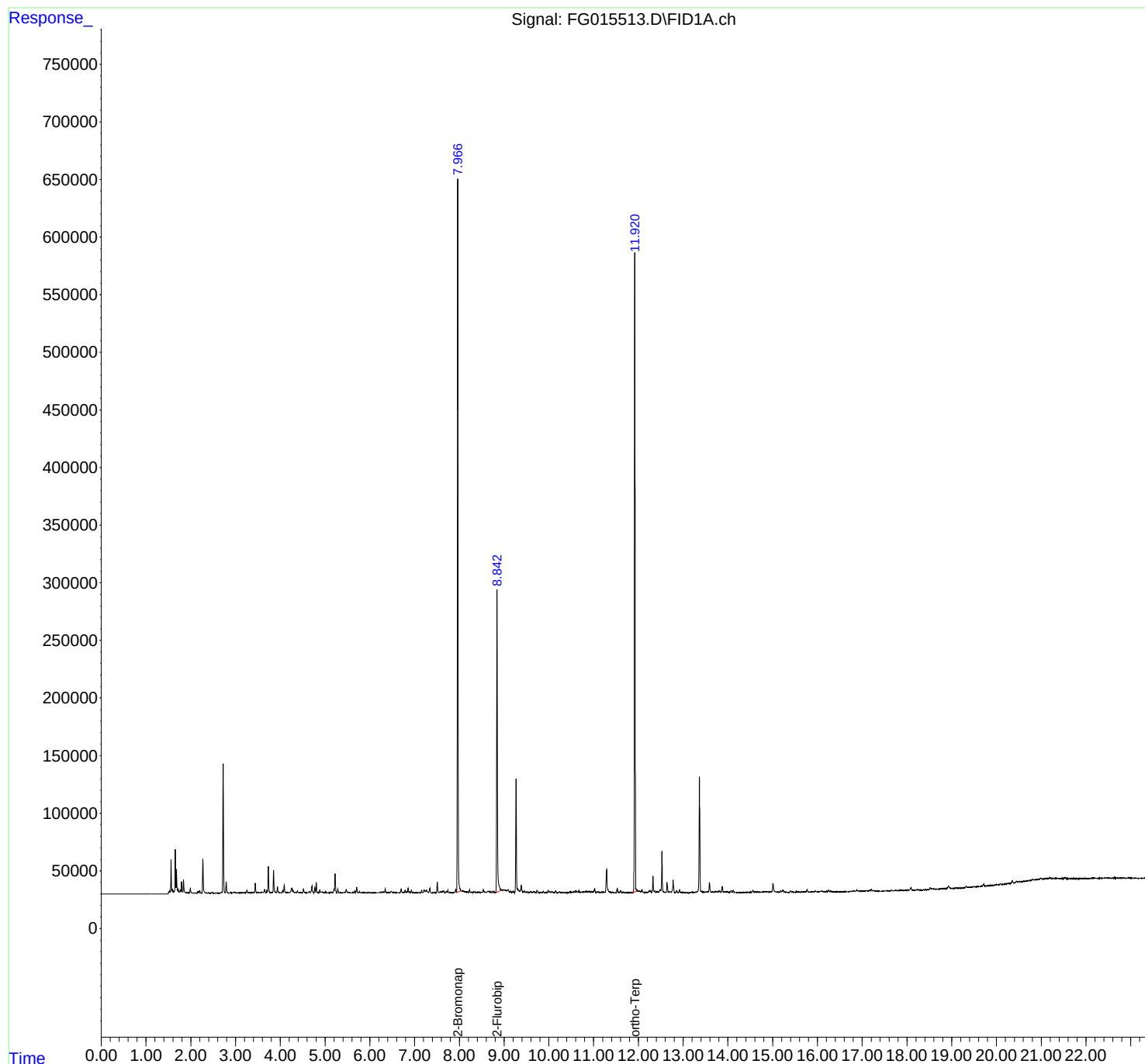
Response via : Initial Calibration

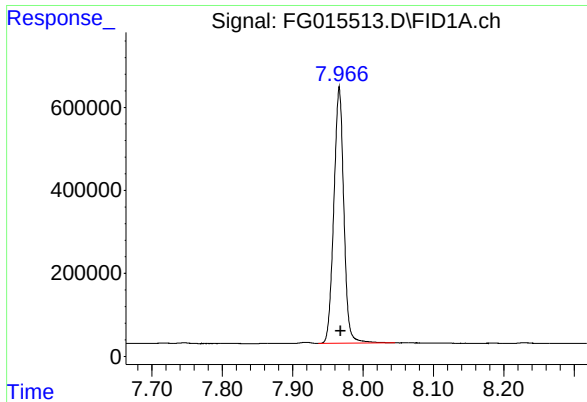
Integrator: ChemStation

Volume Inj. : 1 µl

Signal Phase : Rxi-1ms

Signal Info : 20M x 0.18mm x 0.18µm





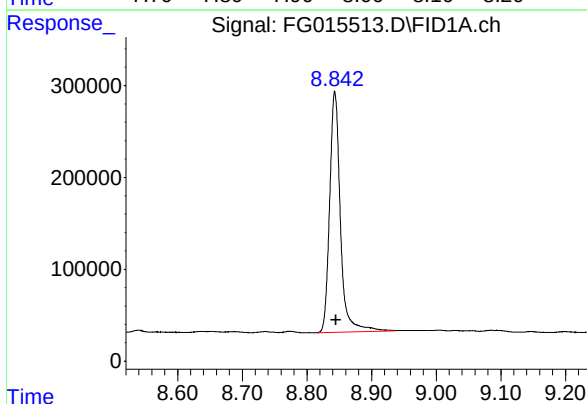
## #4 2-Bromonaphthalene (SURR)

R.T.: 7.966 min  
Delta R.T.: -0.002 min  
Response: 6105622  
Conc: 49.98 ug/ml

Instrument :  
FID\_G  
ClientSampleId :  
PB167231BL

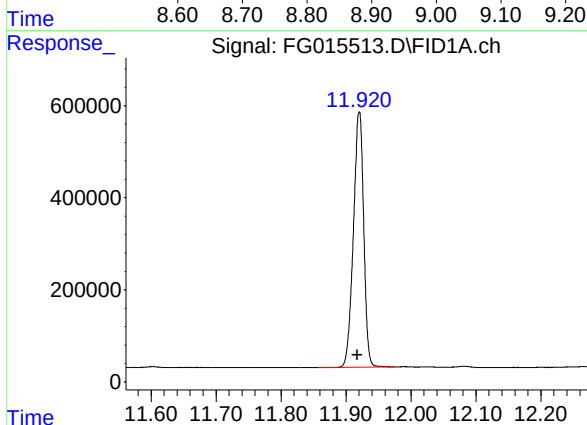
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 03/21/2025  
Supervised By :mohammad ahmed 03/24/2025



## #6 2-Fluorobiphenyl (SURR)

R.T.: 8.842 min  
Delta R.T.: -0.003 min  
Response: 3028647  
Conc: 36.64 ug/ml m



## #11 ortho-Terphenyl (SURR)

R.T.: 11.920 min  
Delta R.T.: 0.003 min  
Response: 6123660  
Conc: 41.99 ug/ml

rteres

Instrument :

FID\_G

ClientSampleId :

PB167231BL

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 03/21/2025

Supervised By :mohammad ahmed 03/24/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_G\Data\FG03202  
 Data File : FG015513.D  
 Signal(s) : FID1A.ch  
 Acq On : 20 Mar 2025 12:31  
 Sample : PB167231BL  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID\_G\Method\Aromatic EPH 031725.M  
 Title : GC Extractables

Signal : FID1A.ch

| peak<br>#               | R.T.<br>min | Start<br>min | End<br>min | PK<br>TY | peak<br>height | peak<br>area | peak<br>% max. | % of<br>total |
|-------------------------|-------------|--------------|------------|----------|----------------|--------------|----------------|---------------|
| 1                       | 7.966       | 7.936        | 8.045      | PB       | 614086         | 6105622      | 99.71%         | 40.187%       |
| 2                       | 8.843       | 8.714        | 8.932      | BB       | 259626         | 2963683      | 48.40%         | 19.507%       |
| 3                       | 11.920      | 11.857       | 11.975     | BB       | 554893         | 6123660      | 100.00%        | 40.306%       |
| Sum of corrected areas: |             |              |            |          |                |              | 15192965       |               |

Aromatic EPH 031725.M Fri Mar 21 01:44:38 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_F\Data\FF032025AL\  
 Data File : FF015697.D  
 Signal(s) : FID2B.ch  
 Acq On : 20 Mar 2025 13:00  
 Operator : YP\AJ  
 Sample : PB167231BS  
 Misc :  
 ALS Vial : 72 Sample Multiplier: 1

Instrument :  
 FID\_F  
 ClientSampleId :  
 PB167231BS

Integration File: autoint1.e  
 Quant Time: Mar 20 14:14:58 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_F\Method\Aliphatic EPH 031725.M  
 Quant Title : GC Extractables  
 QLast Update : Tue Mar 18 02:31:19 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

Volume Inj. : 1 ul  
 Signal Phase : Rxi-1ms  
 Signal Info : 20M x 0.18mm x 0.18um

| Compound                       | R.T.   | Response   | Conc Units   |
|--------------------------------|--------|------------|--------------|
| -----                          |        |            |              |
| System Monitoring Compounds    |        |            |              |
| 12) S 1-chlorooctadecane (S... | 13.370 | 4427027    | 39.007 ug/ml |
| Spiked Amount 50.000           |        | Recovery = | 78.01%       |
| Target Compounds               |        |            |              |
| 1) T n-Nonane (C9)             | 3.310  | 2761330    | 21.801 ug/ml |
| 2) T n-Decane (C10)            | 4.565  | 3363186    | 26.190 ug/ml |
| 4) T n-Dodecane (C12)          | 6.732  | 3928413    | 30.145 ug/ml |
| 6) T n-Tetradecane (C14)       | 8.559  | 4524068    | 34.934 ug/ml |
| 7) T n-Hexadecane (C16)        | 10.167 | 5147158    | 38.491 ug/ml |
| 8) T n-Octadecane (C18)        | 11.612 | 5564510    | 40.409 ug/ml |
| 10) T n-Eicosane (C20)         | 12.923 | 6022661    | 44.687 ug/ml |
| 11) T n-Heneicosane (C21)      | 13.536 | 5896117    | 44.117 ug/ml |
| 13) T n-Docosane (C22)         | 14.123 | 5920972    | 44.247 ug/ml |
| 14) T n-Tetracosane (C24)      | 15.228 | 5815226    | 43.438 ug/ml |
| 15) T n-Hexacosane (C26)       | 16.250 | 5670822    | 43.359 ug/ml |
| 16) T n-Octacosane (C28)       | 17.202 | 5501535    | 42.115 ug/ml |
| 17) T n-Tricontane (C30)       | 18.090 | 5433269    | 40.291 ug/ml |
| 18) T n-Dotriacontane (C32)    | 18.923 | 5269562    | 40.410 ug/ml |
| 19) T n-Tetratriacontane (C34) | 19.707 | 5072571    | 43.455 ug/ml |
| 20) T n-Hexatriacontane (C36)  | 20.448 | 4768994    | 48.041 ug/ml |
| 21) T n-Octatriacontane (C38)  | 21.185 | 4538590    | 51.946 ug/ml |
| 22) T n-Tetracontane (C40)     | 22.099 | 4148401    | 51.691 ug/ml |
| -----                          |        |            |              |

(f)=RT Delta > 1/2 Window

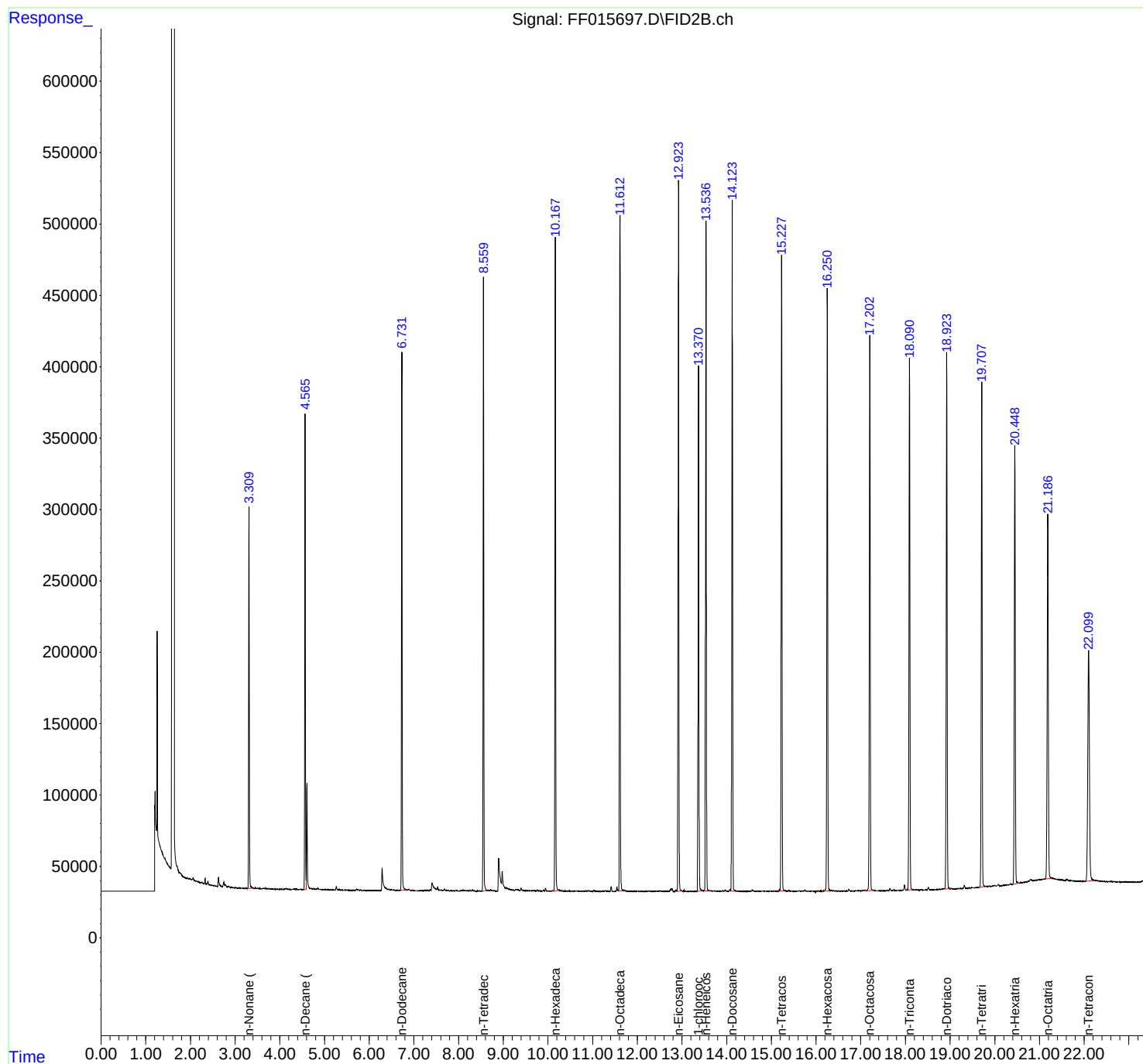
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_F\Data\FF032025AL\  
Data File : FF015697.D  
Signal(s) : FID2B.ch  
Acq On : 20 Mar 2025 13:00  
Operator : YP\AJ  
Sample : PB167231BS  
Misc :  
ALS Vial : 72 Sample Multiplier: 1

Instrument :  
FID\_F  
ClientSampleId :  
PB167231BS

Integration File: autoint1.e  
Quant Time: Mar 20 14:14:58 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_F\Method\Aliphatic EPH 031725.M  
Quant Title : GC Extractables  
QLast Update : Tue Mar 18 02:31:19 2025  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 ul  
Signal Phase : Rxi-1ms  
Signal Info : 20M x 0.18mm x 0.18um



rteres

## Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_F\Data\FF032025AL\  
 Data File : FF015697.D  
 Signal(s) : FID2B.ch  
 Acq On : 20 Mar 2025 13:00  
 Sample : PB167231BS  
 Misc :  
 ALS Vial : 72 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID\_F\Method\Aliphatic EPH 031725.M  
 Title : GC Extractables

Signal : FID2B.ch

| peak<br>#               | R.T.<br>min | Start<br>min | End<br>min | PK<br>TY | peak<br>height | peak<br>area | peak<br>% max. | % of<br>total |
|-------------------------|-------------|--------------|------------|----------|----------------|--------------|----------------|---------------|
| 1                       | 3.310       | 3.268        | 3.405      | BB       | 264736         | 2761330      | 45.85%         | 2.945%        |
| 2                       | 4.565       | 4.528        | 4.590      | BV       | 331151         | 3363186      | 55.84%         | 3.586%        |
| 3                       | 6.732       | 6.698        | 6.841      | BB       | 376182         | 3928413      | 65.23%         | 4.189%        |
| 4                       | 8.559       | 8.525        | 8.638      | BB       | 425108         | 4524068      | 75.12%         | 4.824%        |
| 5                       | 10.167      | 10.058       | 10.258     | BB       | 456654         | 5147158      | 85.46%         | 5.489%        |
| 6                       | 11.612      | 11.571       | 11.695     | BV       | 471622         | 5564510      | 92.39%         | 5.934%        |
| 7                       | 12.923      | 12.884       | 13.005     | PB       | 501239         | 6022661      | 100.00%        | 6.422%        |
| 8                       | 13.370      | 13.328       | 13.465     | BB       | 368308         | 4427027      | 73.51%         | 4.721%        |
| 9                       | 13.536      | 13.495       | 13.618     | BB       | 469495         | 5896117      | 97.90%         | 6.288%        |
| 10                      | 14.123      | 14.088       | 14.218     | VB       | 479404         | 5920972      | 98.31%         | 6.314%        |
| 11                      | 15.228      | 15.138       | 15.308     | BB       | 444063         | 5815226      | 96.56%         | 6.201%        |
| 12                      | 16.250      | 16.161       | 16.331     | BB       | 421795         | 5670822      | 94.16%         | 6.047%        |
| 13                      | 17.202      | 17.041       | 17.278     | BB       | 388133         | 5501535      | 91.35%         | 5.867%        |
| 14                      | 18.090      | 18.021       | 18.171     | BB       | 373487         | 5433269      | 90.21%         | 5.794%        |
| 15                      | 18.923      | 18.875       | 19.011     | BB       | 375622         | 5269562      | 87.50%         | 5.619%        |
| 16                      | 19.707      | 19.651       | 19.775     | BB       | 354127         | 5072571      | 84.22%         | 5.409%        |
| 17                      | 20.448      | 20.401       | 20.538     | BB       | 307511         | 4768994      | 79.18%         | 5.086%        |
| 18                      | 21.185      | 21.121       | 21.285     | BB       | 254771         | 4538590      | 75.36%         | 4.840%        |
| 19                      | 22.099      | 22.021       | 22.241     | BB       | 161100         | 4148401      | 68.88%         | 4.424%        |
| Sum of corrected areas: |             |              |            |          |                | 93774411     |                |               |

Aliphatic EPH 031725.M Fri Mar 21 07:35:19 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_G\Data\FG032025AR\  
 Data File : FG015514.D  
 Signal(s) : FID1A.ch  
 Acq On : 20 Mar 2025 13:00  
 Operator : YP\AJ  
 Sample : PB167231BS  
 Misc :  
 ALS Vial : 22 Sample Multiplier: 1

## Instrument :

FID\_G

## ClientSampleId :

PB167231BS

## Manual Integrations

## APPROVED

Reviewed By :Yogesh Patel 03/21/2025

Supervised By :mohammad ahmed 03/24/2025

Integration File: autoint1.e

Quant Time: Mar 21 01:06:50 2025

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_G\Method\Aromatic EPH 031725.M

Quant Title : GC Extractables

QLast Update : Tue Mar 18 05:13:04 2025

Response via : Initial Calibration

Integrator: ChemStation

Volume Inj. : 1 µl

Signal Phase : Rxi-1ms

Signal Info : 20M x 0.18mm x 0.18µm

| Compound                           | R.T.   | Response   | Conc Units    |
|------------------------------------|--------|------------|---------------|
| -----                              |        |            |               |
| System Monitoring Compounds        |        |            |               |
| 4) S 2-Bromonaphthalene (S...      | 7.967  | 6169474    | 50.505 ug/ml  |
| Spiked Amount 50.000               |        | Recovery = | 101.01%       |
| 6) S 2-Fluorobiphenyl (SURR)       | 8.844  | 3230344    | 39.081 ug/ml  |
| Spiked Amount 50.000 Range 0 - 131 |        | Recovery = | 78.16%        |
| 11) S ortho-Terphenyl (SURR)       | 11.919 | 6231904    | 42.734 ug/ml  |
| Spiked Amount 50.000               |        | Recovery = | 85.47%        |
| Target Compounds                   |        |            |               |
| 1) T 1,2,3-Trimethylbenzen...      | 4.556  | 3244584    | 24.416 ug/ml  |
| 2) T Naphthalene (C11.7)           | 6.235  | 4163143    | 30.814 ug/ml  |
| 3) T 2-Methylnaphthalene (...)     | 7.336  | 4192405    | 31.429 ug/ml  |
| 5) T Acenaphthylene (C15.06)       | 8.643  | 5281759    | 37.293 ug/ml  |
| 7) T Acenaphthene (C15.5)          | 8.944  | 5449829    | 39.945 ug/ml  |
| 8) T Flouorene (C16.55)            | 9.737  | 5851559    | 41.916 ug/ml  |
| 9) T Phenanthrene (C19.36)         | 11.149 | 6241326    | 44.302 ug/ml  |
| 10) T Anthracene (C19.43)          | 11.225 | 6246958    | 45.651 ug/ml  |
| 12) T Fluoranthene (C21.85)        | 12.977 | 6536753    | 45.838 ug/mlm |
| 13) T Pyrene (C20.8)               | 13.277 | 6621600    | 47.191 ug/ml  |
| 14) T Benzo[a]anthracene (C...     | 15.164 | 6639455    | 48.952 ug/ml  |
| 15) T Chrysene (C27.41)            | 15.209 | 7448991    | 53.210 ug/ml  |
| 16) T benzo[b]fluoranthene ...     | 16.729 | 6530952    | 49.424 ug/ml  |
| 17) T Bnezo[k]fluoranthene ...     | 16.764 | 6501707    | 47.619 ug/ml  |
| 18) T Benzo[a]pyrene (C31.34)      | 17.111 | 6244407    | 49.795 ug/ml  |
| 19) T Indeno[1,2,3-cd]pyren...     | 18.488 | 6293938    | 56.569 ug/ml  |
| 20) T Dibenz[a,h]anthracene...     | 18.525 | 5911171    | 45.937 ug/ml  |
| 21) T Benzo[g,h,i]perylene ...     | 18.744 | 5808184    | 48.606 ug/ml  |

(f)=RT Delta &gt; 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_G\Data\FG032025AR\  
Data File : FG015514.D  
Signal(s) : FID1A.ch  
Acq On : 20 Mar 2025 13:00  
Operator : YP\AJ  
Sample : PB167231BS  
Misc :  
ALS Vial : 22 Sample Multiplier: 1

## Instrument :

FID\_G

## ClientSampleId :

PB167231BS

## Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 03/21/2025

Supervised By :mohammad ahmed 03/24/2025

Integration File: autoint1.e

Quant Time: Mar 21 01:06:50 2025

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_G\Method\Aromatic EPH 031725.M

Quant Title : GC Extractables

QLast Update : Tue Mar 18 05:13:04 2025

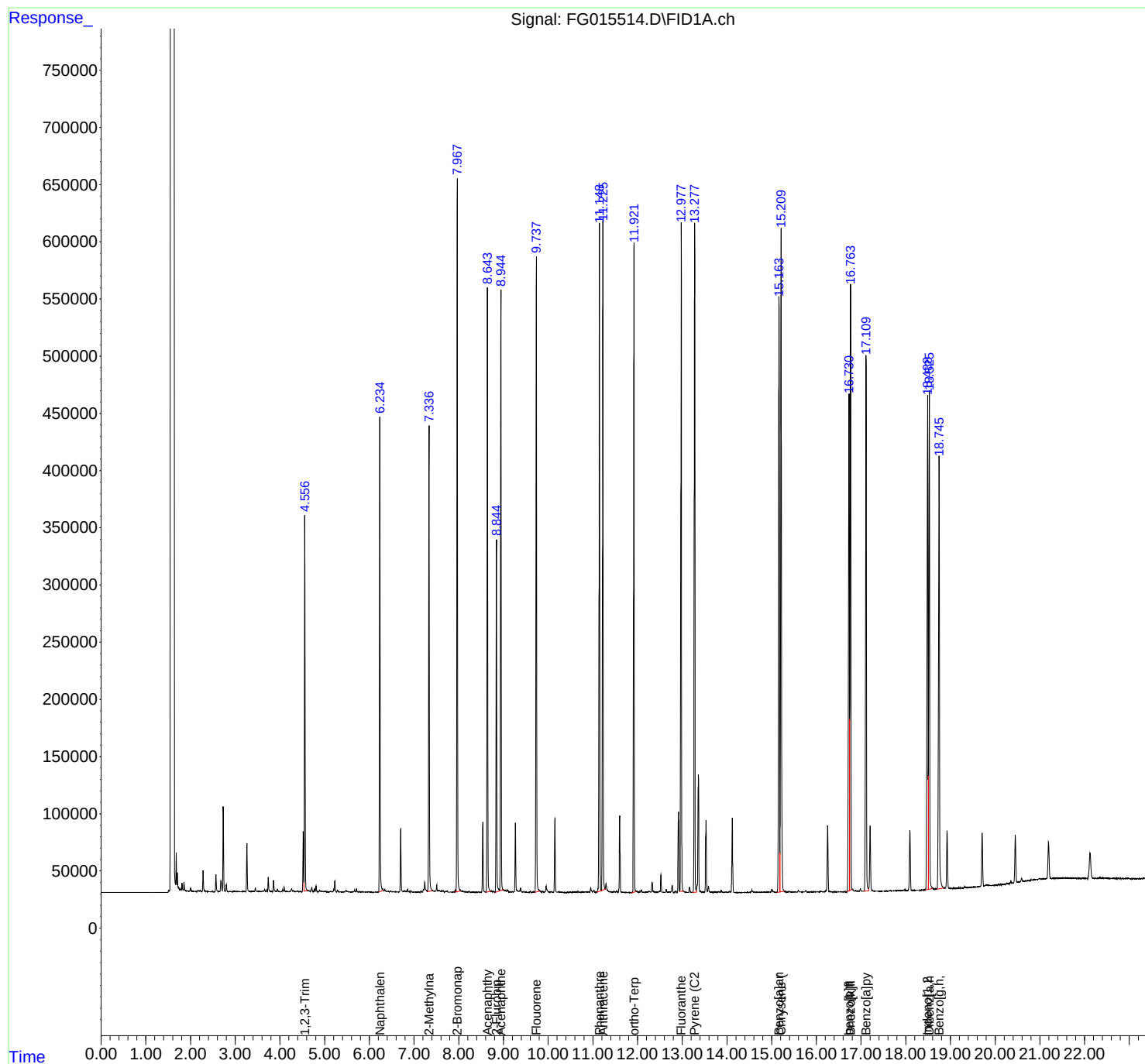
Response via : Initial Calibration

Integrator: ChemStation

Volume Inj. : 1 µl

Signal Phase : Rxi-1ms

Signal Info : 20M x 0.18mm x 0.18µm





rteres

Instrument :

FID\_G

ClientSampleId :

PB167231BS

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 03/21/2025

Supervised By :mohammad ahmed 03/24/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_G\Data\FG03202  
 Data File : FG015514.D  
 Signal(s) : FID1A.ch  
 Acq On : 20 Mar 2025 13:00  
 Sample : PB167231BS  
 Misc :  
 ALS Vial : 22 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID\_G\Method\Aromatic EPH 031725.M  
 Title : GC Extractables

Signal : FID1A.ch

| peak<br>#               | R.T.<br>min | Start<br>min | End<br>min | PK<br>TY | peak<br>height | peak<br>area | peak<br>% max. | % of<br>total |
|-------------------------|-------------|--------------|------------|----------|----------------|--------------|----------------|---------------|
| 1                       | 4.556       | 4.537        | 4.615      | VB       | 328048         | 3244584      | 43.56%         | 2.692%        |
| 2                       | 6.235       | 6.204        | 6.315      | BB       | 414763         | 4163143      | 55.89%         | 3.454%        |
| 3                       | 7.336       | 7.300        | 7.419      | BB       | 403920         | 4192405      | 56.28%         | 3.479%        |
| 4                       | 7.967       | 7.900        | 8.047      | BB       | 622299         | 6169474      | 82.82%         | 5.119%        |
| 5                       | 8.643       | 8.609        | 8.717      | BB       | 525835         | 5281759      | 70.91%         | 4.382%        |
| 6                       | 8.844       | 8.812        | 8.912      | BV       | 307770         | 3230344      | 43.37%         | 2.680%        |
| 7                       | 8.944       | 8.912        | 9.004      | VB       | 524493         | 5449829      | 73.16%         | 4.522%        |
| 8                       | 9.737       | 9.699        | 9.812      | BB       | 552979         | 5851559      | 78.56%         | 4.855%        |
| 9                       | 11.149      | 11.094       | 11.192     | BV       | 583162         | 6241326      | 83.79%         | 5.179%        |
| 10                      | 11.225      | 11.192       | 11.277     | PV       | 584166         | 6246958      | 83.86%         | 5.183%        |
| 11                      | 11.919      | 11.864       | 11.974     | BB       | 568069         | 6231904      | 83.66%         | 5.171%        |
| 12                      | 12.977      | 12.930       | 13.037     | BB       | 577644         | 6217482      | 83.47%         | 5.159%        |
| 13                      | 13.277      | 13.225       | 13.312     | BV       | 587719         | 6621600      | 88.89%         | 5.494%        |
| 14                      | 15.164      | 15.119       | 15.184     | BV       | 518972         | 6639455      | 89.13%         | 5.509%        |
| 15                      | 15.209      | 15.184       | 15.284     | VB       | 579263         | 7448991      | 100.00%        | 6.181%        |
| 16                      | 16.729      | 16.680       | 16.744     | BV       | 433474         | 6530952      | 87.68%         | 5.419%        |
| 17                      | 16.764      | 16.744       | 16.802     | VB       | 529261         | 6501707      | 87.28%         | 5.395%        |
| 18                      | 17.111      | 17.060       | 17.170     | BV       | 468662         | 6244407      | 83.83%         | 5.181%        |
| 19                      | 18.488      | 18.440       | 18.503     | BV       | 425879         | 6293938      | 84.49%         | 5.222%        |
| 20                      | 18.525      | 18.503       | 18.604     | VB       | 435334         | 5911171      | 79.36%         | 4.905%        |
| 21                      | 18.744      | 18.689       | 18.847     | BB       | 372404         | 5808184      | 77.97%         | 4.819%        |
| Sum of corrected areas: |             |              |            |          |                | 120521173    |                |               |

Aromatic EPH 031725.M Fri Mar 21 01:45:39 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_F\Data\FF032025AL\  
 Data File : FF015698.D  
 Signal(s) : FID2B.ch  
 Acq On : 20 Mar 2025 13:29  
 Operator : YP\AJ  
 Sample : PB167231BSD  
 Misc :  
 ALS Vial : 73 Sample Multiplier: 1

Instrument :  
 FID\_F  
 ClientSampleId :  
 PB167231BSD

Integration File: autoint1.e  
 Quant Time: Mar 20 14:15:22 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_F\Method\Aliphatic EPH 031725.M  
 Quant Title : GC Extractables  
 QLast Update : Tue Mar 18 02:31:19 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

Volume Inj. : 1 ul  
 Signal Phase : Rxi-1ms  
 Signal Info : 20M x 0.18mm x 0.18um

| Compound                       | R.T.   | Response   | Conc Units   |
|--------------------------------|--------|------------|--------------|
| -----                          |        |            |              |
| System Monitoring Compounds    |        |            |              |
| 12) S 1-chlorooctadecane (S... | 13.371 | 4460553    | 39.303 ug/ml |
| Spiked Amount 50.000           |        | Recovery = | 78.61%       |
| Target Compounds               |        |            |              |
| 1) T n-Nonane (C9)             | 3.311  | 2774878    | 21.908 ug/ml |
| 2) T n-Decane (C10)            | 4.567  | 3377593    | 26.302 ug/ml |
| 4) T n-Dodecane (C12)          | 6.733  | 3948901    | 30.302 ug/ml |
| 6) T n-Tetradecane (C14)       | 8.561  | 4541545    | 35.068 ug/ml |
| 7) T n-Hexadecane (C16)        | 10.169 | 5188870    | 38.803 ug/ml |
| 8) T n-Octadecane (C18)        | 11.613 | 5593688    | 40.621 ug/ml |
| 10) T n-Eicosane (C20)         | 12.924 | 6061809    | 44.978 ug/ml |
| 11) T n-Heneicosane (C21)      | 13.538 | 5933280    | 44.395 ug/ml |
| 13) T n-Docosane (C22)         | 14.124 | 5959437    | 44.534 ug/ml |
| 14) T n-Tetracosane (C24)      | 15.229 | 5861216    | 43.782 ug/ml |
| 15) T n-Hexacosane (C26)       | 16.250 | 5710500    | 43.662 ug/ml |
| 16) T n-Octacosane (C28)       | 17.202 | 5554566    | 42.521 ug/ml |
| 17) T n-Tricontane (C30)       | 18.090 | 5491642    | 40.723 ug/ml |
| 18) T n-Dotriacontane (C32)    | 18.924 | 5344920    | 40.988 ug/ml |
| 19) T n-Tetratriacontane (C34) | 19.708 | 5155898    | 44.169 ug/ml |
| 20) T n-Hexatriacontane (C36)  | 20.449 | 4877562    | 49.135 ug/ml |
| 21) T n-Octatriacontane (C38)  | 21.186 | 4691543    | 53.696 ug/ml |
| 22) T n-Tetracontane (C40)     | 22.101 | 4491812    | 55.970 ug/ml |
| -----                          |        |            |              |

(f)=RT Delta > 1/2 Window

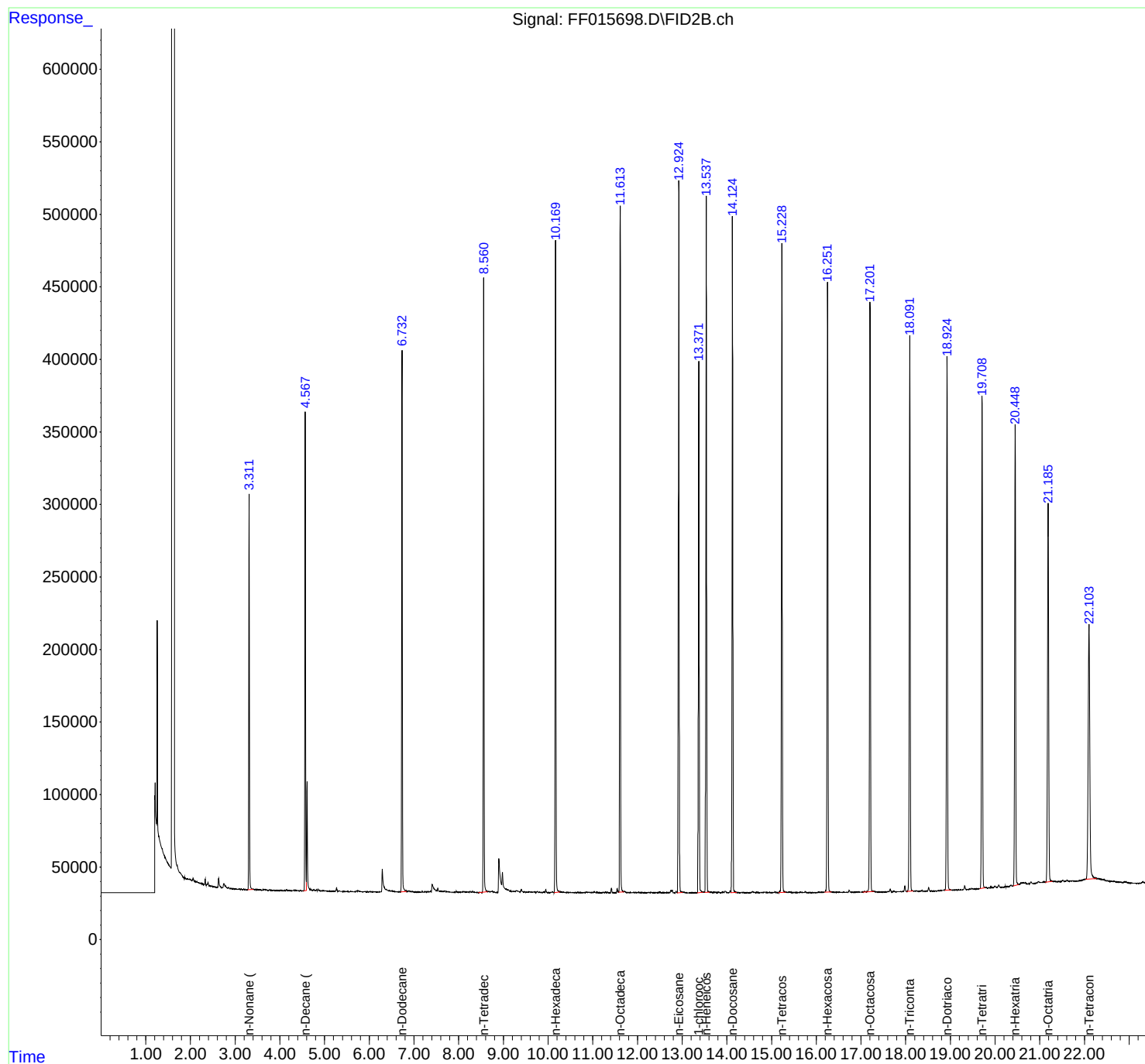
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_F\Data\FF032025AL\  
Data File : FF015698.D  
Signal(s) : FID2B.ch  
Acq On : 20 Mar 2025 13:29  
Operator : YP\AJ  
Sample : PB167231BSD  
Misc :  
ALS Vial : 73 Sample Multiplier: 1

Instrument :  
FID\_F  
ClientSampleId :  
PB167231BSD

Integration File: autoint1.e  
Quant Time: Mar 20 14:15:22 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_F\Method\Aliphatic EPH 031725.M  
Quant Title : GC Extractables  
QLast Update : Tue Mar 18 02:31:19 2025  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 ul  
Signal Phase : Rxi-1ms  
Signal Info : 20M x 0.18mm x 0.18um



rteres

## Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_F\Data\FF032025AL\  
 Data File : FF015698.D  
 Signal(s) : FID2B.ch  
 Acq On : 20 Mar 2025 13:29  
 Sample : PB167231BSD  
 Misc :  
 ALS Vial : 73 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID\_F\Method\Aliphatic EPH 031725.M  
 Title : GC Extractables

Signal : FID2B.ch

| peak<br>#               | R.T.<br>min | Start<br>min | End<br>min | PK<br>TY | peak<br>height | peak<br>area | peak<br>% max. | % of<br>total |
|-------------------------|-------------|--------------|------------|----------|----------------|--------------|----------------|---------------|
| 1                       | 3.311       | 3.278        | 3.408      | BB       | 271220         | 2774878      | 45.78%         | 2.920%        |
| 2                       | 4.567       | 4.528        | 4.591      | BV       | 329225         | 3377593      | 55.72%         | 3.555%        |
| 3                       | 6.733       | 6.698        | 6.842      | BB       | 372560         | 3948901      | 65.14%         | 4.156%        |
| 4                       | 8.561       | 8.445        | 8.645      | BB       | 423074         | 4541545      | 74.92%         | 4.780%        |
| 5                       | 10.169      | 10.135       | 10.268     | BB       | 450004         | 5188870      | 85.60%         | 5.461%        |
| 6                       | 11.613      | 11.575       | 11.695     | BV       | 473942         | 5593688      | 92.28%         | 5.887%        |
| 7                       | 12.924      | 12.886       | 13.012     | PB       | 492886         | 6061809      | 100.00%        | 6.379%        |
| 8                       | 13.371      | 13.332       | 13.465     | BB       | 367575         | 4460553      | 73.58%         | 4.694%        |
| 9                       | 13.538      | 13.498       | 13.618     | BB       | 480398         | 5933280      | 97.88%         | 6.244%        |
| 10                      | 14.124      | 14.087       | 14.218     | VB       | 466731         | 5959437      | 98.31%         | 6.272%        |
| 11                      | 15.229      | 15.155       | 15.318     | BB       | 447387         | 5861216      | 96.69%         | 6.168%        |
| 12                      | 16.251      | 16.185       | 16.342     | BB       | 422195         | 5710500      | 94.20%         | 6.010%        |
| 13                      | 17.202      | 17.038       | 17.292     | BB       | 406252         | 5554566      | 91.63%         | 5.846%        |
| 14                      | 18.090      | 18.022       | 18.168     | BB       | 384552         | 5491642      | 90.59%         | 5.779%        |
| 15                      | 18.924      | 18.872       | 19.015     | BB       | 368534         | 5344920      | 88.17%         | 5.625%        |
| 16                      | 19.708      | 19.658       | 19.778     | BB       | 339989         | 5155898      | 85.06%         | 5.426%        |
| 17                      | 20.449      | 20.402       | 20.532     | BB       | 317946         | 4877562      | 80.46%         | 5.133%        |
| 18                      | 21.186      | 21.122       | 21.288     | BB       | 260158         | 4691543      | 77.40%         | 4.937%        |
| 19                      | 22.101      | 22.022       | 22.272     | BB       | 176045         | 4491812      | 74.10%         | 4.727%        |
| Sum of corrected areas: |             |              |            |          |                | 95020214     |                |               |

Aliphatic EPH 031725.M Fri Mar 21 07:35:44 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_G\Data\FG032025AR\  
 Data File : FG015515.D  
 Signal(s) : FID1A.ch  
 Acq On : 20 Mar 2025 13:29  
 Operator : YP\AJ  
 Sample : PB167231BSD  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

## Instrument :

FID\_G

## ClientSampleId :

PB167231BSD

## Manual Integrations

## APPROVED

Reviewed By :Yogesh Patel 03/21/2025

Supervised By :mohammad ahmed 03/24/2025

Integration File: autoint1.e

Quant Time: Mar 21 01:07:02 2025

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_G\Method\Aromatic EPH 031725.M

Quant Title : GC Extractables

QLast Update : Tue Mar 18 05:13:04 2025

Response via : Initial Calibration

Integrator: ChemStation

Volume Inj. : 1 µl

Signal Phase : Rxi-1ms

Signal Info : 20M x 0.18mm x 0.18µm

| Compound                           | R.T.   | Response   | Conc Units    |
|------------------------------------|--------|------------|---------------|
| -----                              |        |            |               |
| System Monitoring Compounds        |        |            |               |
| 4) S 2-Bromonaphthalene (S...      | 7.969  | 7111822    | 58.220 ug/ml  |
| Spiked Amount 50.000               |        | Recovery = | 116.44%       |
| 6) S 2-Fluorobiphenyl (SURR)       | 8.846  | 3730134    | 45.128 ug/ml  |
| Spiked Amount 50.000 Range 0 - 131 |        | Recovery = | 90.26%        |
| 11) S ortho-Terphenyl (SURR)       | 11.920 | 7173187    | 49.189 ug/ml  |
| Spiked Amount 50.000               |        | Recovery = | 98.38%        |
| Target Compounds                   |        |            |               |
| 1) T 1,2,3-Trimethylbenzen...      | 4.559  | 3738655    | 28.134 ug/ml  |
| 2) T Naphthalene (C11.7)           | 6.236  | 4819274    | 35.670 ug/ml  |
| 3) T 2-Methylnaphthalene (...)     | 7.338  | 4844624    | 36.319 ug/ml  |
| 5) T Acenaphthylene (C15.06)       | 8.644  | 6090797    | 43.005 ug/ml  |
| 7) T Acenaphthene (C15.5)          | 8.946  | 6280353    | 46.032 ug/ml  |
| 8) T Fluorene (C16.55)             | 9.738  | 6750437    | 48.354 ug/ml  |
| 9) T Phenanthrene (C19.36)         | 11.150 | 7213552    | 51.202 ug/ml  |
| 10) T Anthracene (C19.43)          | 11.226 | 7226733    | 52.811 ug/ml  |
| 12) T Fluoranthene (C21.85)        | 12.978 | 7559648    | 53.011 ug/mlm |
| 13) T Pyrene (C20.8)               | 13.279 | 7656077    | 54.564 ug/ml  |
| 14) T Benzo[a]anthracene (C...     | 15.166 | 7727506    | 56.974 ug/ml  |
| 15) T Chrysene (C27.41)            | 15.211 | 8631506    | 61.657 ug/ml  |
| 16) T benzo[b]fluoranthene ...     | 16.730 | 7592471    | 57.458 ug/ml  |
| 17) T Bnezo[k]fluoranthene ...     | 16.766 | 7592053    | 55.604 ug/ml  |
| 18) T Benzo[a]pyrene (C31.34)      | 17.112 | 7275153    | 58.015 ug/ml  |
| 19) T Indeno[1,2,3-cd]pyren...     | 18.491 | 7435241    | 66.827 ug/ml  |
| 20) T Dibenz[a,h]anthracene...     | 18.528 | 6843925    | 53.185 ug/ml  |
| 21) T Benzo[g,h,i]perylene ...     | 18.748 | 6780509    | 56.743 ug/ml  |

(f)=RT Delta &gt; 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_G\Data\FG032025AR\  
Data File : FG015515.D  
Signal(s) : FID1A.ch  
Acq On : 20 Mar 2025 13:29  
Operator : YP\AJ  
Sample : PB167231BSD  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

## Instrument :

FID\_G

## ClientSampleId :

PB167231BSD

## Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 03/21/2025

Supervised By :mohammad ahmed 03/24/2025

Integration File: autoint1.e

Quant Time: Mar 21 01:07:02 2025

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_G\Method\Aromatic EPH 031725.M

Quant Title : GC Extractables

QLast Update : Tue Mar 18 05:13:04 2025

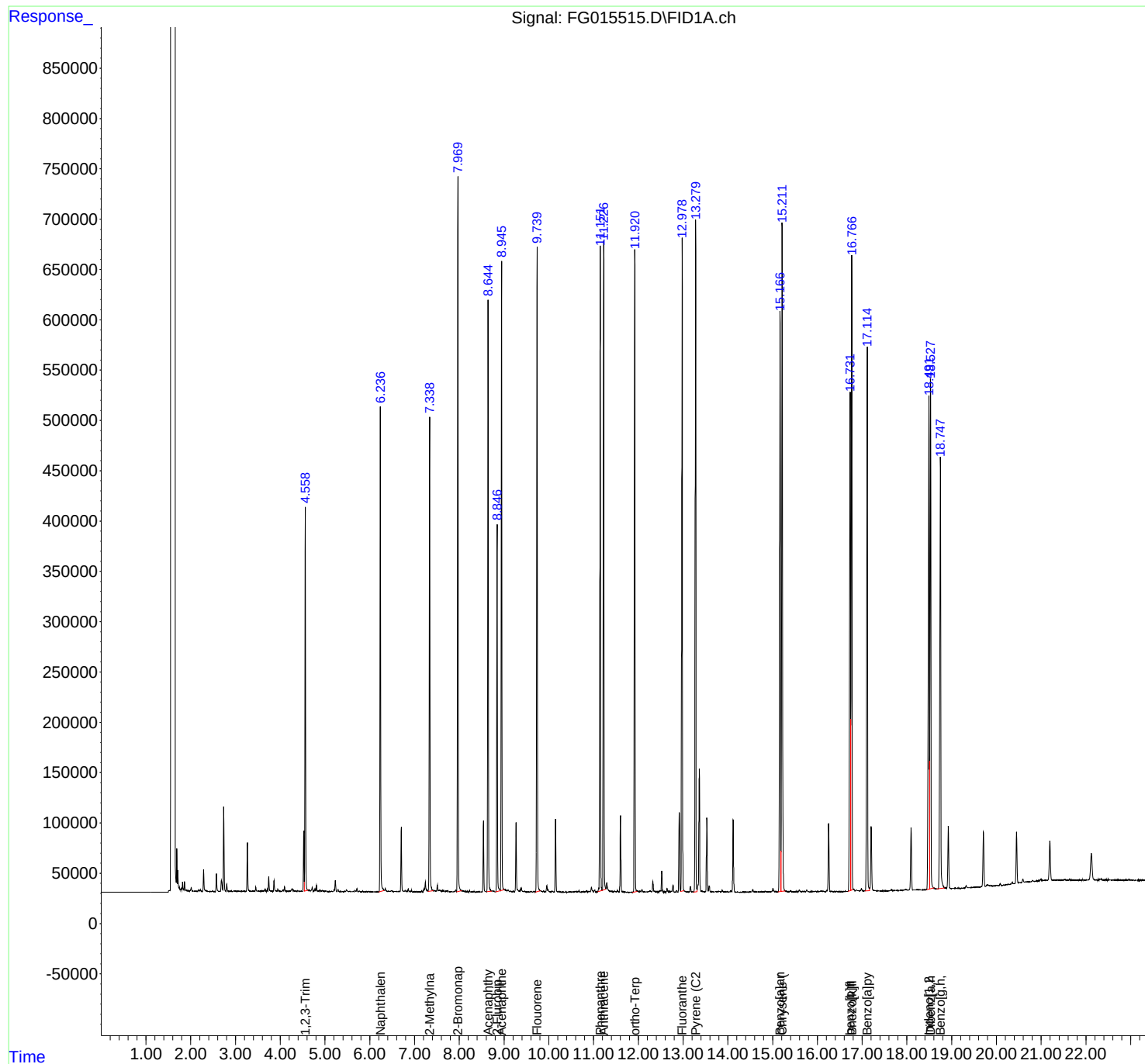
Response via : Initial Calibration

Integrator: ChemStation

Volume Inj. : 1 µl

Signal Phase : Rxi-1ms

Signal Info : 20M x 0.18mm x 0.18µm



rteres

Instrument :

FID\_G

ClientSampleId :

PB167231BSD

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 03/21/2025

Supervised By :mohammad ahmed 03/24/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_G\Data\FG03202  
 Data File : FG015515.D  
 Signal(s) : FID1A.ch  
 Acq On : 20 Mar 2025 13:29  
 Sample : PB167231BSD  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID\_G\Method\Aromatic EPH 031725.M  
 Title : GC Extractables

Signal : FID1A.ch

| peak<br>#               | R.T.<br>min | Start<br>min | End<br>min | PK<br>TY | peak<br>height | peak<br>area | peak<br>% max. | % of<br>total |
|-------------------------|-------------|--------------|------------|----------|----------------|--------------|----------------|---------------|
| 1                       | 4.559       | 4.539        | 4.616      | VB       | 379530         | 3738655      | 43.31%         | 2.676%        |
| 2                       | 6.236       | 6.204        | 6.321      | BB       | 482057         | 4819274      | 55.83%         | 3.450%        |
| 3                       | 7.338       | 7.301        | 7.422      | BB       | 470403         | 4844624      | 56.13%         | 3.468%        |
| 4                       | 7.969       | 7.939        | 8.047      | PB       | 712264         | 7111822      | 82.39%         | 5.091%        |
| 5                       | 8.644       | 8.611        | 8.722      | BB       | 587011         | 6090797      | 70.56%         | 4.360%        |
| 6                       | 8.846       | 8.807        | 8.916      | BV       | 364183         | 3730134      | 43.22%         | 2.670%        |
| 7                       | 8.946       | 8.916        | 9.006      | VB       | 626275         | 6280353      | 72.76%         | 4.496%        |
| 8                       | 9.738       | 9.702        | 9.814      | BB       | 645975         | 6750437      | 78.21%         | 4.832%        |
| 9                       | 11.150      | 11.094       | 11.192     | BV       | 639614         | 7213552      | 83.57%         | 5.164%        |
| 10                      | 11.226      | 11.192       | 11.276     | PV       | 646059         | 7226733      | 83.73%         | 5.173%        |
| 11                      | 11.920      | 11.861       | 11.974     | BB       | 639829         | 7173187      | 83.10%         | 5.135%        |
| 12                      | 12.978      | 12.931       | 13.042     | BB       | 637982         | 7187268      | 83.27%         | 5.145%        |
| 13                      | 13.279      | 13.226       | 13.311     | BV       | 671517         | 7656077      | 88.70%         | 5.480%        |
| 14                      | 15.166      | 15.119       | 15.185     | BV       | 574958         | 7727506      | 89.53%         | 5.531%        |
| 15                      | 15.211      | 15.185       | 15.284     | VB       | 665516         | 8631506      | 100.00%        | 6.179%        |
| 16                      | 16.730      | 16.681       | 16.746     | BV       | 494429         | 7592471      | 87.96%         | 5.435%        |
| 17                      | 16.766      | 16.746       | 16.801     | VB       | 626269         | 7592053      | 87.96%         | 5.434%        |
| 18                      | 17.112      | 17.061       | 17.166     | BV       | 534473         | 7275153      | 84.29%         | 5.208%        |
| 19                      | 18.491      | 18.441       | 18.506     | BV       | 492177         | 7435241      | 86.14%         | 5.322%        |
| 20                      | 18.528      | 18.506       | 18.599     | VB       | 508260         | 6843925      | 79.29%         | 4.899%        |
| 21                      | 18.748      | 18.666       | 18.847     | BB       | 427999         | 6780509      | 78.56%         | 4.854%        |
| Sum of corrected areas: |             |              |            |          |                | 139701276    |                |               |

Aromatic EPH 031725.M Fri Mar 21 01:47:08 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_G\Data\FG032025AR\  
 Data File : FG015518.D  
 Signal(s) : FID1A.ch  
 Acq On : 20 Mar 2025 14:58  
 Operator : YP\AJ  
 Sample : Q1574-01MS  
 Misc :  
 ALS Vial : 26 Sample Multiplier: 1

## Instrument :

FID\_G

ClientSampleId :

WC1MS

## Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 03/21/2025

Supervised By :mohammad ahmed 03/24/2025

Integration File: autoint1.e

Quant Time: Mar 21 01:32:27 2025

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_G\Method\Aromatic EPH 031725.M

Quant Title : GC Extractables

Qlast Update : Tue Mar 18 05:13:04 2025

Response via : Initial Calibration

Integrator: ChemStation

Volume Inj. : 1 µl

Signal Phase : Rxi-1ms

Signal Info : 20M x 0.18mm x 0.18µm

| Compound                           | R.T.   | Response   | Conc Units     |
|------------------------------------|--------|------------|----------------|
| -----                              |        |            |                |
| System Monitoring Compounds        |        |            |                |
| 4) S 2-Bromonaphthalene (S...      | 7.971  | 6800885    | 55.674 ug/ml   |
| Spiked Amount 50.000               |        | Recovery = | 111.35%        |
| 6) S 2-Fluorobiphenyl (SURR)       | 8.849  | 3971661    | 48.050 ug/ml   |
| Spiked Amount 50.000 Range 0 - 131 |        | Recovery = | 96.10%         |
| 11) S ortho-Terphenyl (SURR)       | 11.937 | 4406350    | 30.216 ug/mlm  |
| Spiked Amount 50.000               |        | Recovery = | 60.43%         |
| Target Compounds                   |        |            |                |
| 1) T 1,2,3-Trimethylbenzen...      | 4.559  | 3385291    | 25.475 ug/ml   |
| 2) T Naphthalene (C11.7)           | 6.239  | 5169699    | 38.264 ug/ml   |
| 3) T 2-Methylnaphthalene (...)     | 7.341  | 5599588    | 41.978 ug/ml   |
| 5) T Acenaphthylene (C15.06)       | 8.647  | 4847241    | 34.225 ug/ml   |
| 7) T Acenaphthene (C15.5)          | 8.948  | 5062017    | 37.102 ug/ml   |
| 8) T Flouorene (C16.55)            | 9.739  | 2517075    | 18.030 ug/mlm  |
| 9) T Phenanthrene (C19.36)         | 11.155 | 2557925    | 18.156 ug/ml   |
| 10) T Anthracene (C19.43)          | 11.216 | 8436571    | 61.652 ug/ml   |
| 12) T Fluoranthene (C21.85)        | 12.959 | 2878219    | 20.183 ug/mlm  |
| 13) T Pyrene (C20.8)               | 13.308 | 2469974    | 17.603 ug/mlm  |
| 14) T Benzo[a]anthracene (C...     | 15.203 | 7240035    | 53.380 ug/mlm  |
| 15) T Chrysene (C27.41)            | 15.253 | 16494793   | 117.827 ug/mlm |
| 19) T Indeno[1,2,3-cd]pyren...     | 18.466 | 54567891   | 490.450 ug/mlm |
| 20) T Dibenz[a,h]anthracene...     | 18.515 | 23783457   | 184.824 ug/mlm |
| 21) T Benzo[g,h,i]perylene ...     | 18.755 | 3102695    | 25.965 ug/mlm  |
| -----                              |        |            |                |

(f)=RT Delta &gt; 1/2 Window

(m)=manual int.



Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_G\Data\FG032025AR\  
Data File : FG015518.D  
Signal(s) : FID1A.ch  
Acq On : 20 Mar 2025 14:58  
Operator : YP\AJ  
Sample : Q1574-01MS  
Misc :  
ALS Vial : 26 Sample Multiplier: 1

## Instrument :

FID\_G

ClientSampleId :

WC1MS

## Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 03/21/2025

Supervised By :mohammad ahmed 03/24/2025

Integration File: autoint1.e

Quant Time: Mar 21 01:32:27 2025

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_G\Method\Aromatic EPH 031725.M

Quant Title : GC Extractables

QLast Update : Tue Mar 18 05:13:04 2025

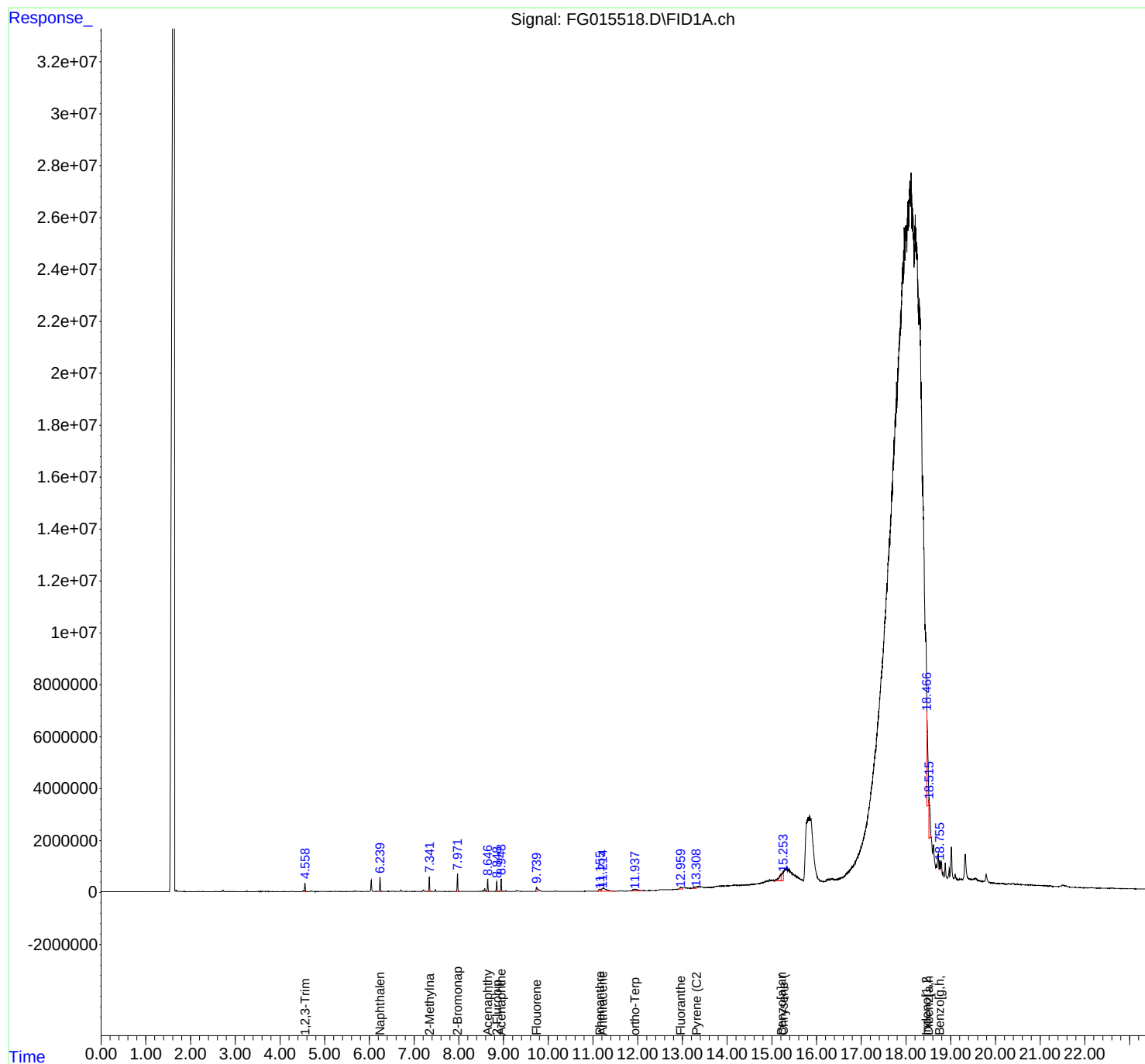
Response via : Initial Calibration

Integrator: ChemStation

Volume Inj. : 1 µl

Signal Phase : Rxi-1ms

Signal Info : 20M x 0.18mm x 0.18µm



rteres

Instrument :

FID\_G

ClientSampleId :

WC1MS

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 03/21/2025

Supervised By :mohammad ahmed 03/24/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_G\Data\FG03202  
 Data File : FG015518.D  
 Signal(s) : FID1A.ch  
 Acq On : 20 Mar 2025 14:58  
 Sample : Q1574-01MS  
 Misc :  
 ALS Vial : 26 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID\_G\Method\Aromatic EPH 031725.M  
 Title : GC Extractables

Signal : FID1A.ch

| peak<br># | R.T.<br>min | Start<br>min | End<br>min | PK<br>TY | peak<br>height | peak<br>area | peak<br>% max. | % of<br>total |
|-----------|-------------|--------------|------------|----------|----------------|--------------|----------------|---------------|
| 1         | 4.288       | 4.274        | 4.344      | PV       | 3051           | 14632        | 0.00%          | 0.000%        |
| 2         | 4.354       | 4.344        | 4.375      | PV       | 256            | 1958         | 0.00%          | 0.000%        |
| 3         | 4.386       | 4.375        | 4.396      | PV       | 207            | 1402         | 0.00%          | 0.000%        |
| 4         | 4.414       | 4.396        | 4.445      | VV       | 551            | 9104         | 0.00%          | 0.000%        |
| 5         | 4.464       | 4.445        | 4.497      | VV       | 1064           | 18705        | 0.00%          | 0.000%        |
| 6         | 4.524       | 4.497        | 4.539      | VV       | 42042          | 423773       | 0.01%          | 0.003%        |
| 7         | 4.559       | 4.539        | 4.591      | VV       | 341629         | 3409185      | 0.06%          | 0.025%        |
| 8         | 4.599       | 4.591        | 4.617      | VV       | 2743           | 34194        | 0.00%          | 0.000%        |
| 9         | 4.635       | 4.617        | 4.669      | VV       | 3277           | 64776        | 0.00%          | 0.000%        |
| 10        | 4.693       | 4.669        | 4.763      | VV       | 39300          | 820743       | 0.01%          | 0.006%        |
| 11        | 4.777       | 4.763        | 4.793      | VV       | 6773           | 94762        | 0.00%          | 0.001%        |
| 12        | 4.810       | 4.793        | 4.830      | PV       | 7829           | 101927       | 0.00%          | 0.001%        |
| 13        | 4.844       | 4.830        | 4.865      | VV       | 3001           | 47046        | 0.00%          | 0.000%        |
| 14        | 4.893       | 4.865        | 4.927      | VV       | 12319          | 217693       | 0.00%          | 0.002%        |
| 15        | 4.944       | 4.927        | 4.970      | VV       | 7235           | 125829       | 0.00%          | 0.001%        |
| 16        | 4.989       | 4.970        | 5.008      | VV       | 3440           | 70521        | 0.00%          | 0.001%        |
| 17        | 5.026       | 5.008        | 5.058      | VV       | 11976          | 162999       | 0.00%          | 0.001%        |
| 18        | 5.082       | 5.058        | 5.094      | VV       | 2366           | 42534        | 0.00%          | 0.000%        |
| 19        | 5.107       | 5.094        | 5.123      | VV       | 3704           | 47327        | 0.00%          | 0.000%        |
| 20        | 5.139       | 5.123        | 5.155      | VV       | 2446           | 39433        | 0.00%          | 0.000%        |
| 21        | 5.180       | 5.155        | 5.212      | VV       | 6236           | 134287       | 0.00%          | 0.001%        |
| 22        | 5.230       | 5.212        | 5.263      | VV       | 20003          | 312261       | 0.01%          | 0.002%        |
| 23        | 5.280       | 5.263        | 5.301      | VV       | 8520           | 147399       | 0.00%          | 0.001%        |
| 24        | 5.314       | 5.301        | 5.333      | VV       | 9718           | 113641       | 0.00%          | 0.001%        |
| 25        | 5.347       | 5.333        | 5.360      | VV       | 3362           | 39747        | 0.00%          | 0.000%        |
| 26        | 5.373       | 5.360        | 5.400      | VV       | 3378           | 58277        | 0.00%          | 0.000%        |
| 27        | 5.415       | 5.400        | 5.451      | VV       | 2820           | 55937        | 0.00%          | 0.000%        |
| 28        | 5.471       | 5.451        | 5.500      | VV       | 13954          | 168386       | 0.00%          | 0.001%        |
| 29        | 5.524       | 5.500        | 5.563      | VV       | 7279           | 129082       | 0.00%          | 0.001%        |
| 30        | 5.577       | 5.563        | 5.585      | VV       | 2400           | 25165        | 0.00%          | 0.000%        |
| 31        | 5.612       | 5.585        | 5.644      | VV       | 4546           | 102989       | 0.00%          | 0.001%        |
| 32        | 5.663       | 5.644        | 5.679      | VV       | 22682          | 261072       | 0.00%          | 0.002%        |
| 33        | 5.696       | 5.679        | 5.723      | VV       | 32920          | 404318       | 0.01%          | 0.003%        |
| 34        | 5.750       | 5.723        | 5.815      | VV       | 8469           | 226637       | 0.00%          | 0.002%        |
| 35        | 5.827       | 5.815        | 5.844      | VV       | 2316           | 28965        | 0.00%          | 0.000%        |
| 36        | 5.862       | 5.844        | 5.880      | VV       | 4921           | 68348        | 0.00%          | 0.001%        |

| rteres |       |       |       |    |        |         |       |        |  |
|--------|-------|-------|-------|----|--------|---------|-------|--------|--|
| 37     | 5.893 | 5.880 | 5.904 | VV | 5006   | 57363   | 0.00% | 0.000% |  |
| 38     | 5.913 | 5.904 | 5.936 | VV | 4068   | 62020   | 0.00% | 0.000% |  |
| 39     | 5.959 | 5.936 | 5.973 | VV | 13624  | 164014  | 0.00% | 0.000% |  |
| 40     | 5.985 | 5.973 | 6.000 | VV | 10482  | 123547  | 0.00% | 0.000% |  |
| 41     | 6.042 | 6.000 | 6.107 | VV | 444914 | 5296383 | 0.00% | 0.001% |  |
| 42     | 6.112 | 6.107 | 6.126 | VV | 5327   | 53550   | 0.00% | 0.001% |  |
| 43     | 6.146 | 6.126 | 6.170 | VV | 11972  | 193915  | 0.00% | 0.001% |  |
| 44     | 6.205 | 6.170 | 6.216 | VV | 9413   | 189212  | 0.00% | 0.001% |  |
| 45     | 6.239 | 6.216 | 6.269 | VV | 558868 | 5436418 | 0.10% | 0.040% |  |
| 46     | 6.280 | 6.269 | 6.322 | VV | 12498  | 242642  | 0.00% | 0.002% |  |
| 47     | 6.350 | 6.322 | 6.367 | VV | 10396  | 162068  | 0.00% | 0.001% |  |
| 48     | 6.404 | 6.367 | 6.415 | VV | 12209  | 251076  | 0.00% | 0.002% |  |
| 49     | 6.427 | 6.415 | 6.434 | VV | 12152  | 126988  | 0.00% | 0.001% |  |
| 50     | 6.443 | 6.434 | 6.462 | VV | 12660  | 172744  | 0.00% | 0.001% |  |
| 51     | 6.513 | 6.462 | 6.554 | VV | 20299  | 678388  | 0.01% | 0.005% |  |
| 52     | 6.571 | 6.554 | 6.605 | VV | 11564  | 235445  | 0.00% | 0.002% |  |
| 53     | 6.620 | 6.605 | 6.632 | VV | 7833   | 97613   | 0.00% | 0.001% |  |
| 54     | 6.644 | 6.632 | 6.669 | VV | 6507   | 110423  | 0.00% | 0.001% |  |
| 55     | 6.705 | 6.669 | 6.755 | VV | 59906  | 905079  | 0.02% | 0.007% |  |
| 56     | 6.768 | 6.755 | 6.772 | VV | 3838   | 34206   | 0.00% | 0.000% |  |
| 57     | 6.817 | 6.772 | 6.839 | VV | 11445  | 298121  | 0.01% | 0.002% |  |
| 58     | 6.856 | 6.839 | 6.887 | VV | 7397   | 144661  | 0.00% | 0.001% |  |
| 59     | 6.905 | 6.887 | 6.922 | VV | 5338   | 80975   | 0.00% | 0.001% |  |
| 60     | 6.934 | 6.922 | 6.953 | VV | 3791   | 47432   | 0.00% | 0.000% |  |
| 61     | 6.987 | 6.953 | 7.012 | VV | 7299   | 119178  | 0.00% | 0.001% |  |
| 62     | 7.053 | 7.012 | 7.082 | VV | 4651   | 99268   | 0.00% | 0.001% |  |
| 63     | 7.088 | 7.082 | 7.097 | VV | 1410   | 12023   | 0.00% | 0.000% |  |
| 64     | 7.112 | 7.097 | 7.118 | VV | 2931   | 28946   | 0.00% | 0.000% |  |
| 65     | 7.143 | 7.118 | 7.177 | VV | 4532   | 99414   | 0.00% | 0.001% |  |
| 66     | 7.207 | 7.177 | 7.232 | VV | 68397  | 957343  | 0.02% | 0.007% |  |
| 67     | 7.241 | 7.232 | 7.267 | VV | 23829  | 304210  | 0.01% | 0.002% |  |
| 68     | 7.281 | 7.267 | 7.292 | VV | 6071   | 82519   | 0.00% | 0.001% |  |
| 69     | 7.297 | 7.292 | 7.309 | VV | 4631   | 39482   | 0.00% | 0.000% |  |
| 70     | 7.341 | 7.309 | 7.415 | VV | 577792 | 5883759 | 0.10% | 0.044% |  |
| 71     | 7.433 | 7.415 | 7.451 | VV | 6385   | 101605  | 0.00% | 0.001% |  |
| 72     | 7.477 | 7.451 | 7.501 | VV | 78412  | 879680  | 0.02% | 0.007% |  |
| 73     | 7.514 | 7.501 | 7.535 | VV | 10385  | 164194  | 0.00% | 0.001% |  |
| 74     | 7.541 | 7.535 | 7.560 | VV | 5227   | 64765   | 0.00% | 0.000% |  |
| 75     | 7.566 | 7.560 | 7.582 | VV | 3014   | 34129   | 0.00% | 0.000% |  |
| 76     | 7.591 | 7.582 | 7.605 | VV | 2087   | 26800   | 0.00% | 0.000% |  |
| 77     | 7.622 | 7.605 | 7.640 | VV | 4392   | 62225   | 0.00% | 0.000% |  |
| 78     | 7.656 | 7.640 | 7.680 | VV | 3433   | 46423   | 0.00% | 0.000% |  |
| 79     | 7.692 | 7.680 | 7.700 | VV | 678    | 7269    | 0.00% | 0.000% |  |
| 80     | 7.730 | 7.700 | 7.766 | VV | 4665   | 84003   | 0.00% | 0.001% |  |
| 81     | 7.783 | 7.766 | 7.791 | VV | 1501   | 15321   | 0.00% | 0.000% |  |
| 82     | 7.811 | 7.791 | 7.858 | VV | 16382  | 207192  | 0.00% | 0.002% |  |
| 83     | 7.887 | 7.858 | 7.910 | VV | 3258   | 53703   | 0.00% | 0.000% |  |
| 84     | 7.923 | 7.910 | 7.934 | VV | 2171   | 24095   | 0.00% | 0.000% |  |
| 85     | 7.972 | 7.934 | 8.026 | VV | 690367 | 6874039 | 0.12% | 0.051% |  |
| 86     | 8.038 | 8.026 | 8.058 | VV | 2441   | 33665   | 0.00% | 0.000% |  |
| 87     | 8.083 | 8.058 | 8.098 | VV | 6297   | 87043   | 0.00% | 0.001% |  |
| 88     | 8.105 | 8.098 | 8.129 | VV | 3658   | 45152   | 0.00% | 0.000% |  |
| 89     | 8.156 | 8.129 | 8.172 | VV | 1494   | 31654   | 0.00% | 0.000% |  |

Instrument :

FID\_G

ClientSampleId :

WC1MS

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 03/21/2025

Supervised By :mohammad ahmed 03/24/2025

|     |        |        |        |    |        |         | Instrument :<br>FID_G                    |        | A |
|-----|--------|--------|--------|----|--------|---------|------------------------------------------|--------|---|
|     |        |        |        |    |        |         | ClientSampleId :<br>WC1MS                |        |   |
|     | rteres |        |        |    |        |         |                                          |        |   |
| 90  | 8.187  | 8.172  | 8.205  | VV | 1555   | 20067   | 0.00%                                    | 0.000% | B |
| 91  | 8.243  | 8.205  | 8.273  | VV | 5018   | 97143   | Manual IntegrationsAPPROVED              |        | C |
| 92  | 8.291  | 8.273  | 8.305  | VV | 2459   | 33893   |                                          |        | D |
| 93  | 8.316  | 8.305  | 8.323  | VV | 2336   | 22383   | Reviewed By :Yogesh Patel 03/21/2025     |        | E |
| 94  | 8.341  | 8.323  | 8.349  | VV | 7223   | 78738   | Supervised By :mohammad ahmed 03/24/2025 |        | F |
| 95  | 8.355  | 8.349  | 8.371  | VV | 6878   | 70864   |                                          |        | G |
| 96  | 8.379  | 8.371  | 8.404  | VV | 3780   | 46881   | 0.00%                                    | 0.000% | H |
| 97  | 8.432  | 8.404  | 8.445  | VV | 7077   | 104561  | 0.00%                                    | 0.001% | I |
| 98  | 8.461  | 8.445  | 8.474  | VV | 14089  | 160802  | 0.00%                                    | 0.001% | J |
| 99  | 8.487  | 8.474  | 8.509  | VV | 11919  | 139244  | 0.00%                                    | 0.001% |   |
| 100 | 8.543  | 8.509  | 8.561  | VV | 54502  | 603045  | 0.01%                                    | 0.004% |   |
| 101 | 8.580  | 8.561  | 8.605  | VV | 113264 | 1163471 | 0.02%                                    | 0.009% |   |
| 102 | 8.647  | 8.605  | 8.687  | VV | 471033 | 4944942 | 0.09%                                    | 0.037% |   |
| 103 | 8.702  | 8.687  | 8.722  | VV | 4088   | 60165   | 0.00%                                    | 0.000% |   |
| 104 | 8.738  | 8.722  | 8.760  | VV | 4889   | 63550   | 0.00%                                    | 0.000% |   |
| 105 | 8.779  | 8.760  | 8.818  | VV | 3892   | 63858   | 0.00%                                    | 0.000% |   |
| 106 | 8.849  | 8.818  | 8.883  | PV | 379955 | 3996384 | 0.07%                                    | 0.030% |   |
| 107 | 8.904  | 8.883  | 8.921  | VV | 13064  | 157021  | 0.00%                                    | 0.001% |   |
| 108 | 8.949  | 8.921  | 8.968  | VV | 495024 | 5118323 | 0.09%                                    | 0.038% |   |
| 109 | 8.977  | 8.968  | 9.000  | VV | 24257  | 302965  | 0.01%                                    | 0.002% |   |
| 110 | 9.015  | 9.000  | 9.029  | VV | 9554   | 140638  | 0.00%                                    | 0.001% |   |
| 111 | 9.051  | 9.029  | 9.080  | VV | 39618  | 517926  | 0.01%                                    | 0.004% |   |
| 112 | 9.088  | 9.080  | 9.105  | VV | 4584   | 67762   | 0.00%                                    | 0.001% |   |
| 113 | 9.121  | 9.105  | 9.161  | VV | 8905   | 166334  | 0.00%                                    | 0.001% |   |
| 114 | 9.166  | 9.161  | 9.169  | VV | 2263   | 10897   | 0.00%                                    | 0.000% |   |
| 115 | 9.190  | 9.169  | 9.207  | VV | 4164   | 66030   | 0.00%                                    | 0.000% |   |
| 116 | 9.225  | 9.207  | 9.252  | VV | 6555   | 97818   | 0.00%                                    | 0.001% |   |
| 117 | 9.293  | 9.252  | 9.379  | VV | 43284  | 1289772 | 0.02%                                    | 0.010% |   |
| 118 | 9.399  | 9.379  | 9.446  | VV | 9861   | 238950  | 0.00%                                    | 0.002% |   |
| 119 | 9.465  | 9.446  | 9.502  | VV | 3171   | 65061   | 0.00%                                    | 0.000% |   |
| 120 | 9.517  | 9.502  | 9.536  | VV | 2592   | 30383   | 0.00%                                    | 0.000% |   |
| 121 | 9.552  | 9.536  | 9.578  | VV | 1483   | 16963   | 0.00%                                    | 0.000% |   |
| 122 | 9.606  | 9.578  | 9.639  | VV | 666    | 13658   | 0.00%                                    | 0.000% |   |
| 123 | 9.658  | 9.639  | 9.692  | PV | 931    | 13865   | 0.00%                                    | 0.000% |   |
| 124 | 9.739  | 9.692  | 9.940  | VV | 165977 | 5357200 | 0.09%                                    | 0.040% |   |
| 125 | 9.984  | 9.940  | 10.008 | VV | 4342   | 138538  | 0.00%                                    | 0.001% |   |
| 126 | 10.032 | 10.008 | 10.070 | VV | 4063   | 132938  | 0.00%                                    | 0.001% |   |
| 127 | 10.089 | 10.070 | 10.127 | VV | 4094   | 123323  | 0.00%                                    | 0.001% |   |
| 128 | 10.170 | 10.127 | 10.271 | VV | 20450  | 662386  | 0.01%                                    | 0.005% |   |
| 129 | 10.276 | 10.271 | 10.279 | VV | 430    | 1663    | 0.00%                                    | 0.000% |   |
| 130 | 10.294 | 10.279 | 10.300 | VV | 492    | 5291    | 0.00%                                    | 0.000% |   |
| 131 | 10.350 | 10.300 | 10.366 | VV | 496    | 16668   | 0.00%                                    | 0.000% |   |
| 132 | 10.373 | 10.366 | 10.385 | VV | 388    | 3623    | 0.00%                                    | 0.000% |   |
| 133 | 10.394 | 10.385 | 10.409 | VV | 315    | 2362    | 0.00%                                    | 0.000% |   |
| 134 | 10.434 | 10.409 | 10.439 | PV | 230    | 2165    | 0.00%                                    | 0.000% |   |
| 135 | 10.503 | 10.439 | 10.507 | PV | 498    | 9827    | 0.00%                                    | 0.000% |   |
| 136 | 10.511 | 10.507 | 10.515 | VV | 471    | 1698    | 0.00%                                    | 0.000% |   |
| 137 | 10.630 | 10.515 | 10.652 | VV | 1588   | 74241   | 0.00%                                    | 0.001% |   |
| 138 | 10.675 | 10.652 | 10.715 | VV | 2001   | 52833   | 0.00%                                    | 0.000% |   |
| 139 | 10.733 | 10.715 | 10.743 | VV | 991    | 14650   | 0.00%                                    | 0.000% |   |
| 140 | 10.749 | 10.743 | 10.753 | VV | 766    | 3903    | 0.00%                                    | 0.000% |   |
| 141 | 10.759 | 10.753 | 10.771 | VV | 729    | 6551    | 0.00%                                    | 0.000% |   |

|     |        |        |        |    |        |         |       |        |
|-----|--------|--------|--------|----|--------|---------|-------|--------|
| 142 | 10.843 | 10.771 | 10.849 | VV | 3115   | 96343   | 0.00% | 0.001% |
| 143 | 10.871 | 10.849 | 10.875 | VV | 3063   | 46713   |       |        |
| 144 | 10.882 | 10.875 | 10.890 | VV | 3093   | 25555   |       |        |
| 145 | 10.913 | 10.890 | 10.927 | VV | 2732   | 56784   |       |        |
| 146 | 10.949 | 10.927 | 10.958 | VV | 2865   | 48013   |       |        |
| 147 | 10.982 | 10.958 | 10.995 | VV | 3269   | 63550   |       |        |
| 148 | 11.003 | 10.995 | 11.022 | VV | 2962   | 39022   | 0.00% | 0.000% |
| 149 | 11.030 | 11.022 | 11.055 | VV | 2524   | 38763   | 0.00% | 0.000% |
| 150 | 11.060 | 11.055 | 11.087 | VV | 1657   | 24399   | 0.00% | 0.000% |
| 151 | 11.091 | 11.087 | 11.098 | VV | 977    | 5342    | 0.00% | 0.000% |
| 152 | 11.155 | 11.098 | 11.188 | VV | 80926  | 2794088 | 0.05% | 0.021% |
| 153 | 11.214 | 11.188 | 11.495 | VV | 116443 | 8336629 | 0.15% | 0.062% |
| 154 | 11.502 | 11.495 | 11.507 | VV | 671    | 2321    | 0.00% | 0.000% |
| 155 | 11.622 | 11.507 | 11.700 | PV | 16169  | 625168  | 0.01% | 0.005% |
| 156 | 11.709 | 11.700 | 11.720 | VV | 621    | 5903    | 0.00% | 0.000% |
| 157 | 11.724 | 11.720 | 11.727 | VV | 808    | 1710    | 0.00% | 0.000% |
| 158 | 11.735 | 11.727 | 11.741 | VV | 516    | 2750    | 0.00% | 0.000% |
| 159 | 11.826 | 11.741 | 11.864 | PV | 7656   | 383206  | 0.01% | 0.003% |
| 160 | 11.912 | 11.864 | 11.917 | VV | 55270  | 1091191 | 0.02% | 0.008% |
| 161 | 11.937 | 11.917 | 12.105 | VV | 60760  | 3610042 | 0.06% | 0.027% |
| 162 | 12.115 | 12.105 | 12.158 | VV | 7742   | 182994  | 0.00% | 0.001% |
| 163 | 12.165 | 12.158 | 12.170 | VV | 3557   | 21339   | 0.00% | 0.000% |
| 164 | 12.172 | 12.170 | 12.182 | VV | 3117   | 17036   | 0.00% | 0.000% |
| 165 | 12.191 | 12.182 | 12.212 | VV | 2534   | 19453   | 0.00% | 0.000% |
| 166 | 12.261 | 12.212 | 12.267 | PV | 715    | 4018    | 0.00% | 0.000% |
| 167 | 12.330 | 12.267 | 12.337 | PV | 2314   | 72357   | 0.00% | 0.001% |
| 168 | 12.349 | 12.337 | 12.364 | VV | 2318   | 26301   | 0.00% | 0.000% |
| 169 | 12.374 | 12.364 | 12.378 | VV | 1420   | 9593    | 0.00% | 0.000% |
| 170 | 12.409 | 12.378 | 12.413 | PV | 2297   | 25249   | 0.00% | 0.000% |
| 171 | 12.421 | 12.413 | 12.427 | VV | 1145   | 7009    | 0.00% | 0.000% |
| 172 | 12.453 | 12.427 | 12.460 | VV | 2436   | 19097   | 0.00% | 0.000% |
| 173 | 12.515 | 12.460 | 12.531 | VV | 19520  | 550711  | 0.01% | 0.004% |
| 174 | 12.537 | 12.531 | 12.549 | VV | 18762  | 184159  | 0.00% | 0.001% |
| 175 | 12.555 | 12.549 | 12.582 | VV | 15707  | 290029  | 0.01% | 0.002% |
| 176 | 12.587 | 12.582 | 12.597 | VV | 14090  | 111798  | 0.00% | 0.001% |
| 177 | 12.603 | 12.597 | 12.612 | VV | 12834  | 106990  | 0.00% | 0.001% |
| 178 | 12.616 | 12.612 | 12.620 | VV | 11740  | 54508   | 0.00% | 0.000% |
| 179 | 12.629 | 12.620 | 12.634 | VV | 10410  | 80401   | 0.00% | 0.001% |
| 180 | 12.641 | 12.634 | 12.657 | VV | 10345  | 118675  | 0.00% | 0.001% |
| 181 | 12.665 | 12.657 | 12.675 | VV | 7986   | 73765   | 0.00% | 0.001% |
| 182 | 12.680 | 12.675 | 12.687 | VV | 6108   | 36772   | 0.00% | 0.000% |
| 183 | 12.690 | 12.687 | 12.700 | VV | 3989   | 26576   | 0.00% | 0.000% |
| 184 | 12.717 | 12.700 | 12.723 | VV | 3182   | 34364   | 0.00% | 0.000% |
| 185 | 12.734 | 12.723 | 12.739 | VV | 2546   | 17647   | 0.00% | 0.000% |
| 186 | 12.804 | 12.739 | 12.809 | VV | 2875   | 39114   | 0.00% | 0.000% |
| 187 | 12.871 | 12.809 | 12.875 | VV | 6622   | 118933  | 0.00% | 0.001% |
| 188 | 12.965 | 12.875 | 12.989 | VV | 75035  | 2828657 | 0.05% | 0.021% |
| 189 | 12.991 | 12.989 | 13.019 | VV | 66135  | 1091306 | 0.02% | 0.008% |
| 190 | 13.030 | 13.019 | 13.104 | VV | 58962  | 2592420 | 0.05% | 0.019% |
| 191 | 13.109 | 13.104 | 13.114 | VV | 42532  | 234358  | 0.00% | 0.002% |
| 192 | 13.119 | 13.114 | 13.128 | VV | 38086  | 292592  | 0.01% | 0.002% |
| 193 | 13.132 | 13.128 | 13.147 | VV | 32161  | 348520  | 0.01% | 0.003% |
| 194 | 13.151 | 13.147 | 13.160 | VV | 29783  | 208524  | 0.00% | 0.002% |

Instrument :

FID\_G

ClientSampleId :

WC1MS

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 03/21/2025

Supervised By :mohammad ahmed 03/24/2025

|        |        |        |        |    |         |           | Instrument :<br>FID_G                    |        | A |
|--------|--------|--------|--------|----|---------|-----------|------------------------------------------|--------|---|
|        |        |        |        |    |         |           | ClientSampleId :<br>WC1MS                |        |   |
| rteres |        |        |        |    |         |           | 0.00% 0.002%                             |        |   |
| 195    | 13.164 | 13.160 | 13.177 | VV | 23714   | 222024    | Manual IntegrationsAPPROVED              |        | B |
| 196    | 13.180 | 13.177 | 13.209 | VV | 21753   | 363589    |                                          |        |   |
| 197    | 13.285 | 13.209 | 13.292 | VV | 65035   | 2568963   |                                          |        |   |
| 198    | 13.297 | 13.292 | 13.311 | VV | 64825   | 715706    | Reviewed By :Yogesh Patel 03/21/2025     |        | C |
| 199    | 13.357 | 13.311 | 13.363 | VV | 69062   | 2093192   | Supervised By :mohammad ahmed 03/24/2025 |        |   |
| 200    | 13.377 | 13.363 | 13.393 | VV | 71193   | 1213721   |                                          |        | D |
| 201    | 13.398 | 13.393 | 13.426 | VV | 65495   | 1187578   | 0.02%                                    | 0.009% | E |
| 202    | 13.431 | 13.426 | 13.484 | VV | 54325   | 1464726   | 0.03%                                    | 0.011% |   |
| 203    | 13.488 | 13.484 | 13.493 | VV | 31208   | 174798    | 0.00%                                    | 0.001% | F |
| 204    | 13.501 | 13.493 | 13.510 | VV | 32085   | 284707    | 0.00%                                    | 0.002% |   |
| 205    | 13.516 | 13.510 | 13.542 | VV | 31458   | 566868    | 0.01%                                    | 0.004% | G |
| 206    | 13.565 | 13.542 | 13.619 | VV | 34443   | 1425343   | 0.02%                                    | 0.011% | H |
| 207    | 13.625 | 13.619 | 13.642 | VV | 27606   | 354455    | 0.01%                                    | 0.003% |   |
| 208    | 13.648 | 13.642 | 13.652 | VV | 27065   | 146578    | 0.00%                                    | 0.001% | I |
| 209    | 13.667 | 13.652 | 13.672 | VV | 28881   | 300369    | 0.01%                                    | 0.002% |   |
| 210    | 13.698 | 13.672 | 13.702 | VV | 30338   | 499131    | 0.01%                                    | 0.004% | J |
| 211    | 13.776 | 13.702 | 13.780 | VV | 59959   | 2259791   | 0.04%                                    | 0.017% |   |
| 212    | 13.836 | 13.780 | 13.847 | VV | 64939   | 2389694   | 0.04%                                    | 0.018% |   |
| 213    | 13.860 | 13.847 | 13.865 | VV | 60779   | 654962    | 0.01%                                    | 0.005% |   |
| 214    | 13.869 | 13.865 | 13.889 | VV | 60722   | 804814    | 0.01%                                    | 0.006% |   |
| 215    | 13.894 | 13.889 | 13.902 | VV | 60929   | 459895    | 0.01%                                    | 0.003% |   |
| 216    | 13.908 | 13.902 | 13.917 | VV | 57954   | 485001    | 0.01%                                    | 0.004% |   |
| 217    | 13.922 | 13.917 | 13.927 | VV | 58461   | 336149    | 0.01%                                    | 0.002% |   |
| 218    | 13.935 | 13.927 | 13.940 | VV | 56934   | 432620    | 0.01%                                    | 0.003% |   |
| 219    | 13.977 | 13.940 | 13.997 | VV | 59657   | 1882342   | 0.03%                                    | 0.014% |   |
| 220    | 14.009 | 13.997 | 14.015 | VV | 56075   | 600576    | 0.01%                                    | 0.004% |   |
| 221    | 14.018 | 14.015 | 14.024 | VV | 56204   | 278265    | 0.00%                                    | 0.002% |   |
| 222    | 14.037 | 14.024 | 14.049 | VV | 56421   | 843391    | 0.01%                                    | 0.006% |   |
| 223    | 14.068 | 14.049 | 14.072 | VV | 58240   | 764991    | 0.01%                                    | 0.006% |   |
| 224    | 14.098 | 14.072 | 14.107 | VV | 66387   | 1228293   | 0.02%                                    | 0.009% |   |
| 225    | 14.153 | 14.107 | 14.182 | VV | 75342   | 3113999   | 0.05%                                    | 0.023% |   |
| 226    | 14.187 | 14.182 | 14.193 | VV | 68263   | 457832    | 0.01%                                    | 0.003% |   |
| 227    | 14.199 | 14.193 | 14.210 | VV | 66018   | 630619    | 0.01%                                    | 0.005% |   |
| 228    | 14.221 | 14.210 | 14.239 | VV | 63612   | 1051551   | 0.02%                                    | 0.008% |   |
| 229    | 14.283 | 14.239 | 14.289 | VV | 63167   | 1799024   | 0.03%                                    | 0.013% |   |
| 230    | 14.293 | 14.289 | 14.296 | VV | 60101   | 259964    | 0.00%                                    | 0.002% |   |
| 231    | 14.323 | 14.296 | 14.335 | VV | 62220   | 1388846   | 0.02%                                    | 0.010% |   |
| 232    | 14.353 | 14.335 | 14.368 | VV | 62824   | 1197519   | 0.02%                                    | 0.009% |   |
| 233    | 14.385 | 14.368 | 14.395 | VV | 65529   | 982488    | 0.02%                                    | 0.007% |   |
| 234    | 14.437 | 14.395 | 14.444 | VV | 65618   | 1767875   | 0.03%                                    | 0.013% |   |
| 235    | 14.489 | 14.444 | 14.499 | VV | 67898   | 2063725   | 0.04%                                    | 0.015% |   |
| 236    | 14.591 | 14.499 | 14.598 | VV | 80663   | 4265183   | 0.07%                                    | 0.032% |   |
| 237    | 14.627 | 14.598 | 14.635 | VV | 85624   | 1757005   | 0.03%                                    | 0.013% |   |
| 238    | 14.909 | 14.635 | 14.918 | VV | 186286  | 20685875  | 0.36%                                    | 0.153% |   |
| 239    | 14.948 | 14.918 | 14.980 | VV | 208063  | 7347153   | 0.13%                                    | 0.054% |   |
| 240    | 14.989 | 14.980 | 14.995 | VV | 199942  | 1740055   | 0.03%                                    | 0.013% |   |
| 241    | 15.011 | 14.995 | 15.060 | VV | 207952  | 7574497   | 0.13%                                    | 0.056% |   |
| 242    | 15.325 | 15.060 | 15.504 | VV | 630430  | 113100307 | 1.98%                                    | 0.838% |   |
| 243    | 15.510 | 15.504 | 15.699 | VV | 357299  | 28931469  | 0.51%                                    | 0.214% |   |
| 244    | 15.804 | 15.699 | 15.820 | VV | 2563701 | 116412535 | 2.04%                                    | 0.862% |   |
| 245    | 15.831 | 15.820 | 16.158 | VV | 2558419 | 186366498 | 3.26%                                    | 1.380% |   |
| 246    | 16.167 | 16.158 | 16.184 | VV | 71514   | 1031841   | 0.02%                                    | 0.008% |   |

|                                     |        |        |        |    |          |            |        |         |  |
|-------------------------------------|--------|--------|--------|----|----------|------------|--------|---------|--|
| Instrument : FID_G                  |        |        |        |    |          |            |        |         |  |
| ClientSampleId : WC1MS              |        |        |        |    |          |            |        |         |  |
| 247                                 | 16.236 | 16.184 | 16.250 | VV | 129469   | 4094475    | 0.07%  | 0.030%  |  |
| 248                                 | 16.342 | 16.250 | 16.397 | VV | 151152   | 12345454   |        |         |  |
| 249                                 | 16.409 | 16.397 | 16.419 | VV | 133397   | 1663088    |        |         |  |
| 250                                 | 16.428 | 16.419 | 16.434 | VV | 124936   | 1068905    |        |         |  |
| 251                                 | 16.449 | 16.434 | 16.458 | VV | 126238   | 1799063    |        |         |  |
| 252                                 | 17.928 | 16.458 | 17.937 | VV | 23598054 | 5716984897 |        |         |  |
| 253                                 | 17.961 | 17.937 | 17.975 | VV | 24792490 | 549675325  | 9.61%  | 4.072%  |  |
| 254                                 | 18.000 | 17.975 | 18.018 | VV | 25137601 | 638569848  | 11.17% | 4.730%  |  |
| 255                                 | 18.049 | 18.018 | 18.057 | VV | 25945332 | 595978428  | 10.42% | 4.415%  |  |
| 256                                 | 18.082 | 18.057 | 18.104 | VV | 26879968 | 733253278  | 12.83% | 5.431%  |  |
| 257                                 | 18.114 | 18.104 | 18.185 | VV | 27200409 | 1247700803 | 21.82% | 9.242%  |  |
| 258                                 | 18.205 | 18.185 | 18.282 | VV | 25517709 | 1376770389 | 24.08% | 10.198% |  |
| 259                                 | 18.295 | 18.282 | 18.592 | VV | 22393211 | 1895710237 | 33.16% | 14.042% |  |
| 260                                 | 18.613 | 18.592 | 18.689 | VV | 1301822  | 44026119   | 0.77%  | 0.326%  |  |
| 261                                 | 18.718 | 18.689 | 18.740 | VV | 931380   | 20181629   | 0.35%  | 0.149%  |  |
| 262                                 | 18.754 | 18.740 | 18.769 | VV | 697781   | 8989550    | 0.16%  | 0.067%  |  |
| 263                                 | 18.791 | 18.769 | 18.810 | VV | 598782   | 11288083   | 0.20%  | 0.084%  |  |
| 264                                 | 18.826 | 18.810 | 18.850 | VV | 217864   | 3684653    | 0.06%  | 0.027%  |  |
| 265                                 | 18.877 | 18.850 | 18.929 | VV | 593786   | 8550979    | 0.15%  | 0.063%  |  |
| 266                                 | 18.967 | 18.929 | 18.980 | PV | 316640   | 3668927    | 0.06%  | 0.027%  |  |
| Sum of corrected areas: 13500327930 |        |        |        |    |          |            |        |         |  |

Instrument :

FID\_G

ClientSampleId :

WC1MS

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 03/21/2025

Supervised By :mohammad ahmed 03/24/2025

Aromatic EPH 031725.M Fri Mar 21 01:53:52 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_F\Data\FF032025AL\  
 Data File : FF015701.D  
 Signal(s) : FID2B.ch  
 Acq On : 20 Mar 2025 14:58  
 Operator : YP\AJ  
 Sample : Q1574-01MS  
 Misc :  
 ALS Vial : 76 Sample Multiplier: 1

## Instrument :

FID\_F

ClientSampleId :

WC1MS

## Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 03/21/2025

Supervised By :mohammad ahmed 03/24/2025

Integration File: autoint1.e

Quant Time: Mar 21 00:16:59 2025

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_F\Method\Aliphatic EPH 031725.M

Quant Title : GC Extractables

QLast Update : Tue Mar 18 02:31:19 2025

Response via : Initial Calibration

Integrator: ChemStation

Volume Inj. : 1 ul

Signal Phase : Rxi-1ms

Signal Info : 20M x 0.18mm x 0.18um

| Compound                       | R.T.   | Response   | Conc Units    |
|--------------------------------|--------|------------|---------------|
| -----                          |        |            |               |
| System Monitoring Compounds    |        |            |               |
| 12) S 1-chlorooctadecane (S... | 13.380 | 4949834    | 43.614 ug/mlm |
| Spiked Amount 50.000           |        | Recovery = | 87.23%        |
| Target Compounds               |        |            |               |
| 1) T n-Nonane (C9)             | 3.311  | 2298235    | 18.145 ug/ml  |
| 2) T n-Decane (C10)            | 4.567  | 3086917    | 24.038 ug/ml  |
| 4) T n-Dodecane (C12)          | 6.734  | 4203757    | 32.257 ug/ml  |
| 6) T n-Tetradecane (C14)       | 8.562  | 4668957    | 36.052 ug/ml  |
| 7) T n-Hexadecane (C16)        | 10.170 | 4797433    | 35.876 ug/ml  |
| 8) T n-Octadecane (C18)        | 11.614 | 5085264    | 36.929 ug/ml  |
| 10) T n-Eicosane (C20)         | 12.931 | 5315123    | 39.437 ug/ml  |
| 11) T n-Heneicosane (C21)      | 13.549 | 4427098    | 33.126 ug/mlm |
| 13) T n-Docosane (C22)         | 14.142 | 4860642    | 36.323 ug/mlm |
| 14) T n-Tetracosane (C24)      | 15.256 | 6498588    | 48.543 ug/mlm |
| 15) T n-Hexacosane (C26)       | 16.284 | 5400042    | 41.288 ug/mlm |
| 16) T n-Octacosane (C28)       | 17.243 | 5708777    | 43.701 ug/mlm |
| 17) T n-Tricontane (C30)       | 18.130 | 4435401    | 32.891 ug/mlm |
| 18) T n-Dotriacontane (C32)    | 18.955 | 5026766    | 38.548 ug/mlm |
| 19) T n-Tetratriacontane (C34) | 19.737 | 5852980    | 50.140 ug/mlm |
| 20) T n-Hexatriacontane (C36)  | 20.473 | 3796915    | 38.249 ug/mlm |
| 21) T n-Octatriacontane (C38)  | 21.210 | 3847371    | 44.034 ug/mlm |
| 22) T n-Tetracontane (C40)     | 22.125 | 4506427    | 56.152 ug/ml  |
| -----                          |        |            |               |

(f)=RT Delta &gt; 1/2 Window

(m)=manual int.



Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_F\Data\FF032025AL\  
Data File : FF015701.D  
Signal(s) : FID2B.ch  
Acq On : 20 Mar 2025 14:58  
Operator : YP\AJ  
Sample : Q1574-01MS  
Misc :  
ALS Vial : 76 Sample Multiplier: 1

## Instrument :

FID\_F

## ClientSampleId :

WC1MS

Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 03/21/2025

Supervised By :mohammad ahmed 03/24/2025

Integration File: autoint1.e

Quant Time: Mar 21 00:16:59 2025

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_F\Method\Aliphatic EPH 031725.M

Quant Title : GC Extractables

QLast Update : Tue Mar 18 02:31:19 2025

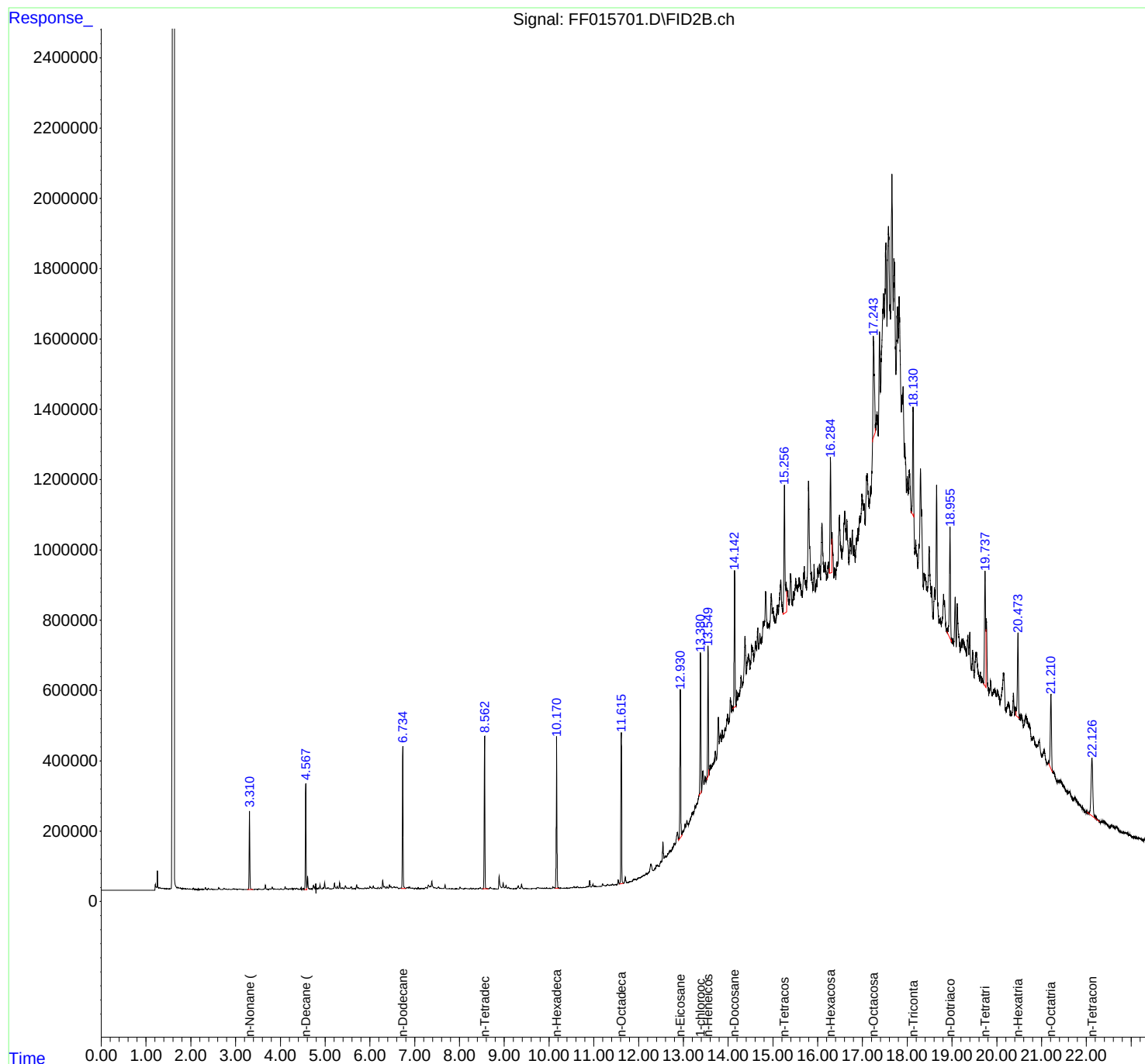
Response via : Initial Calibration

Integrator: ChemStation

Volume Inj. : 1 ul

Signal Phase : Rxi-1ms

Signal Info : 20M x 0.18mm x 0.18um



Instrument :

FID\_F

ClientSampleId :

WC1MS

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 03/21/2025

Supervised By :mohammad ahmed 03/24/2025

rteres

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_F\Data\FF03202  
 Data File : FF015701.D  
 Signal(s) : FID2B.ch  
 Acq On : 20 Mar 2025 14:58  
 Sample : Q1574-01MS  
 Misc :  
 ALS Vial : 76 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID\_F\Method\Aliphatic EPH 031725.M  
 Title : GC Extractables

Signal : FID2B.ch

| peak<br># | R.T.<br>min | Start<br>min | End<br>min | PK<br>TY | peak<br>height | peak<br>area | peak<br>% max. | % of<br>total |
|-----------|-------------|--------------|------------|----------|----------------|--------------|----------------|---------------|
| 1         | 2.851       | 2.801        | 2.911      | BV       | 1601           | 19131        | 0.02%          | 0.001%        |
| 2         | 2.947       | 2.911        | 2.968      | PV       | 1995           | 34110        | 0.03%          | 0.001%        |
| 3         | 2.980       | 2.968        | 2.993      | VV       | 1190           | 15399        | 0.01%          | 0.000%        |
| 4         | 3.011       | 2.993        | 3.038      | VV       | 1445           | 28006        | 0.03%          | 0.001%        |
| 5         | 3.091       | 3.038        | 3.151      | VV       | 1589           | 62035        | 0.06%          | 0.002%        |
| 6         | 3.167       | 3.151        | 3.210      | VV       | 574            | 10524        | 0.01%          | 0.000%        |
| 7         | 3.236       | 3.210        | 3.253      | PV       | 344            | 3698         | 0.00%          | 0.000%        |
| 8         | 3.311       | 3.253        | 3.395      | VV       | 222404         | 2310225      | 2.17%          | 0.063%        |
| 9         | 3.455       | 3.395        | 3.473      | VV       | 1086           | 29050        | 0.03%          | 0.001%        |
| 10        | 3.484       | 3.473        | 3.500      | VV       | 661            | 8206         | 0.01%          | 0.000%        |
| 11        | 3.521       | 3.500        | 3.541      | VV       | 2353           | 30946        | 0.03%          | 0.001%        |
| 12        | 3.554       | 3.541        | 3.585      | VV       | 948            | 15796        | 0.01%          | 0.000%        |
| 13        | 3.594       | 3.585        | 3.607      | VV       | 433            | 4674         | 0.00%          | 0.000%        |
| 14        | 3.629       | 3.607        | 3.641      | VV       | 1745           | 22268        | 0.02%          | 0.001%        |
| 15        | 3.667       | 3.641        | 3.691      | VV       | 12982          | 145917       | 0.14%          | 0.004%        |
| 16        | 3.703       | 3.691        | 3.726      | VV       | 1089           | 17389        | 0.02%          | 0.000%        |
| 17        | 3.734       | 3.726        | 3.745      | VV       | 497            | 5107         | 0.00%          | 0.000%        |
| 18        | 3.764       | 3.745        | 3.787      | VV       | 2469           | 39592        | 0.04%          | 0.001%        |
| 19        | 3.819       | 3.787        | 3.854      | VV       | 7421           | 110627       | 0.10%          | 0.003%        |
| 20        | 3.871       | 3.854        | 3.927      | VV       | 1988           | 48945        | 0.05%          | 0.001%        |
| 21        | 3.947       | 3.927        | 3.974      | VV       | 1666           | 23722        | 0.02%          | 0.001%        |
| 22        | 4.007       | 3.974        | 4.056      | VV       | 1768           | 38569        | 0.04%          | 0.001%        |
| 23        | 4.108       | 4.056        | 4.128      | VV       | 8068           | 96889        | 0.09%          | 0.003%        |
| 24        | 4.143       | 4.128        | 4.182      | VV       | 2465           | 50053        | 0.05%          | 0.001%        |
| 25        | 4.217       | 4.182        | 4.239      | VV       | 2142           | 51839        | 0.05%          | 0.001%        |
| 26        | 4.259       | 4.239        | 4.285      | VV       | 3118           | 50103        | 0.05%          | 0.001%        |
| 27        | 4.310       | 4.285        | 4.338      | VV       | 3599           | 67740        | 0.06%          | 0.002%        |
| 28        | 4.366       | 4.338        | 4.415      | VV       | 3394           | 80484        | 0.08%          | 0.002%        |
| 29        | 4.462       | 4.415        | 4.488      | VV       | 3506           | 58359        | 0.05%          | 0.002%        |
| 30        | 4.509       | 4.488        | 4.536      | VV       | 2674           | 44912        | 0.04%          | 0.001%        |
| 31        | 4.567       | 4.536        | 4.592      | VV       | 301628         | 3066929      | 2.88%          | 0.083%        |
| 32        | 4.609       | 4.592        | 4.669      | VV       | 37829          | 443053       | 0.42%          | 0.012%        |
| 33        | 4.689       | 4.669        | 4.711      | VV       | 1621           | 32626        | 0.03%          | 0.001%        |
| 34        | 4.740       | 4.711        | 4.808      | VV       | 11790          | 267031       | 0.25%          | 0.007%        |
| 35        | 4.817       | 4.808        | 4.833      | VV       | 2993           | 37443        | 0.04%          | 0.001%        |
| 36        | 4.851       | 4.833        | 4.866      | VV       | 4827           | 60703        | 0.06%          | 0.002%        |

| Instrument : FID_F                       |       |       |       |    |        |         |       |        |  |
|------------------------------------------|-------|-------|-------|----|--------|---------|-------|--------|--|
| ClientSampleId : WC1MS                   |       |       |       |    |        |         |       |        |  |
| Manual IntegrationsAPPROVED              |       |       |       |    |        |         |       |        |  |
| Reviewed By :Yogesh Patel 03/21/2025     |       |       |       |    |        |         |       |        |  |
| Supervised By :mohammad ahmed 03/24/2025 |       |       |       |    |        |         |       |        |  |
| rteres                                   |       |       |       |    |        |         |       |        |  |
| 37                                       | 4.886 | 4.866 | 4.937 | VV | 12897  | 191326  | 0.18% | 0.005% |  |
| 38                                       | 4.957 | 4.937 | 4.970 | VV | 5695   | 70340   |       |        |  |
| 39                                       | 4.990 | 4.970 | 5.020 | VV | 19299  | 247491  |       |        |  |
| 40                                       | 5.049 | 5.020 | 5.062 | VV | 4712   | 81506   |       |        |  |
| 41                                       | 5.075 | 5.062 | 5.105 | VV | 4591   | 72696   |       |        |  |
| 42                                       | 5.121 | 5.105 | 5.138 | VV | 1961   | 31389   |       |        |  |
| 43                                       | 5.154 | 5.138 | 5.163 | VV | 1705   | 22876   | 0.02% | 0.001% |  |
| 44                                       | 5.209 | 5.163 | 5.251 | VV | 17974  | 316197  | 0.30% | 0.009% |  |
| 45                                       | 5.271 | 5.251 | 5.293 | VV | 8568   | 128697  | 0.12% | 0.003% |  |
| 46                                       | 5.325 | 5.293 | 5.353 | VV | 18370  | 258874  | 0.24% | 0.007% |  |
| 47                                       | 5.369 | 5.353 | 5.378 | VV | 4220   | 52716   | 0.05% | 0.001% |  |
| 48                                       | 5.391 | 5.378 | 5.418 | VV | 4318   | 77963   | 0.07% | 0.002% |  |
| 49                                       | 5.454 | 5.418 | 5.483 | VV | 10493  | 200301  | 0.19% | 0.005% |  |
| 50                                       | 5.495 | 5.483 | 5.512 | VV | 3845   | 59377   | 0.06% | 0.002% |  |
| 51                                       | 5.523 | 5.512 | 5.551 | VV | 3541   | 65858   | 0.06% | 0.002% |  |
| 52                                       | 5.576 | 5.551 | 5.623 | VV | 6743   | 177998  | 0.17% | 0.005% |  |
| 53                                       | 5.644 | 5.623 | 5.662 | VV | 3300   | 49927   | 0.05% | 0.001% |  |
| 54                                       | 5.705 | 5.662 | 5.729 | VV | 13209  | 208095  | 0.20% | 0.006% |  |
| 55                                       | 5.743 | 5.729 | 5.766 | VV | 5366   | 81267   | 0.08% | 0.002% |  |
| 56                                       | 5.782 | 5.766 | 5.812 | VV | 2863   | 63501   | 0.06% | 0.002% |  |
| 57                                       | 5.826 | 5.812 | 5.842 | VV | 2541   | 38727   | 0.04% | 0.001% |  |
| 58                                       | 5.853 | 5.842 | 5.866 | VV | 2142   | 26812   | 0.03% | 0.001% |  |
| 59                                       | 5.890 | 5.866 | 5.918 | VV | 4393   | 92068   | 0.09% | 0.002% |  |
| 60                                       | 5.951 | 5.918 | 5.978 | VV | 3501   | 101962  | 0.10% | 0.003% |  |
| 61                                       | 5.999 | 5.978 | 6.048 | VV | 8684   | 204807  | 0.19% | 0.006% |  |
| 62                                       | 6.074 | 6.048 | 6.092 | VV | 9232   | 144583  | 0.14% | 0.004% |  |
| 63                                       | 6.101 | 6.092 | 6.125 | VV | 4384   | 64670   | 0.06% | 0.002% |  |
| 64                                       | 6.136 | 6.125 | 6.162 | VV | 3180   | 56530   | 0.05% | 0.002% |  |
| 65                                       | 6.182 | 6.162 | 6.207 | VV | 5610   | 88012   | 0.08% | 0.002% |  |
| 66                                       | 6.238 | 6.207 | 6.261 | VV | 5599   | 109076  | 0.10% | 0.003% |  |
| 67                                       | 6.287 | 6.261 | 6.311 | VV | 25234  | 359560  | 0.34% | 0.010% |  |
| 68                                       | 6.322 | 6.311 | 6.358 | VV | 7783   | 170355  | 0.16% | 0.005% |  |
| 69                                       | 6.380 | 6.358 | 6.413 | VV | 7660   | 156851  | 0.15% | 0.004% |  |
| 70                                       | 6.439 | 6.413 | 6.457 | VV | 12531  | 202763  | 0.19% | 0.005% |  |
| 71                                       | 6.471 | 6.457 | 6.497 | VV | 8323   | 147186  | 0.14% | 0.004% |  |
| 72                                       | 6.535 | 6.497 | 6.582 | VV | 7254   | 276846  | 0.26% | 0.008% |  |
| 73                                       | 6.603 | 6.582 | 6.645 | VV | 6637   | 170818  | 0.16% | 0.005% |  |
| 74                                       | 6.681 | 6.645 | 6.703 | VV | 3342   | 100005  | 0.09% | 0.003% |  |
| 75                                       | 6.734 | 6.703 | 6.800 | VV | 407821 | 4320158 | 4.06% | 0.117% |  |
| 76                                       | 6.822 | 6.800 | 6.837 | VV | 4848   | 79339   | 0.07% | 0.002% |  |
| 77                                       | 6.852 | 6.837 | 6.869 | VV | 5232   | 79572   | 0.07% | 0.002% |  |
| 78                                       | 6.886 | 6.869 | 6.910 | VV | 7273   | 110977  | 0.10% | 0.003% |  |
| 79                                       | 6.922 | 6.910 | 6.936 | VV | 3271   | 44753   | 0.04% | 0.001% |  |
| 80                                       | 6.960 | 6.936 | 6.991 | VV | 3557   | 80187   | 0.08% | 0.002% |  |
| 81                                       | 7.022 | 6.991 | 7.045 | VV | 3676   | 71355   | 0.07% | 0.002% |  |
| 82                                       | 7.066 | 7.045 | 7.078 | VV | 2362   | 37361   | 0.04% | 0.001% |  |
| 83                                       | 7.095 | 7.078 | 7.115 | VV | 2374   | 40993   | 0.04% | 0.001% |  |
| 84                                       | 7.129 | 7.115 | 7.137 | VV | 1493   | 16622   | 0.02% | 0.000% |  |
| 85                                       | 7.164 | 7.137 | 7.177 | VV | 2216   | 41090   | 0.04% | 0.001% |  |
| 86                                       | 7.188 | 7.177 | 7.210 | VV | 1914   | 32483   | 0.03% | 0.001% |  |
| 87                                       | 7.247 | 7.210 | 7.282 | VV | 5530   | 148309  | 0.14% | 0.004% |  |
| 88                                       | 7.306 | 7.282 | 7.336 | VV | 11864  | 258873  | 0.24% | 0.007% |  |
| 89                                       | 7.351 | 7.336 | 7.363 | VV | 7912   | 115866  | 0.11% | 0.003% |  |

|        |        |        |        |    |        |         | Instrument :<br>FID_F                    |        |
|--------|--------|--------|--------|----|--------|---------|------------------------------------------|--------|
|        |        |        |        |    |        |         | ClientSampleId :<br>WC1MS                |        |
| rteres |        |        |        |    |        |         | 0.40% 0.012%                             |        |
| 90     | 7.384  | 7.363  | 7.432  | VV | 22475  | 427800  | Manual IntegrationsAPPROVED              |        |
| 91     | 7.451  | 7.432  | 7.496  | VV | 4835   | 132868  |                                          |        |
| 92     | 7.531  | 7.496  | 7.608  | VV | 5695   | 214450  |                                          |        |
| 93     | 7.621  | 7.608  | 7.654  | VV | 2012   | 51815   | Reviewed By :Yogesh Patel 03/21/2025     |        |
| 94     | 7.680  | 7.654  | 7.722  | VV | 12274  | 170481  | Supervised By :mohammad ahmed 03/24/2025 |        |
| 95     | 7.740  | 7.722  | 7.755  | VV | 1229   | 21817   |                                          |        |
| 96     | 7.772  | 7.755  | 7.802  | VV | 1715   | 34779   | 0.03%                                    | 0.001% |
| 97     | 7.814  | 7.802  | 7.828  | VV | 1049   | 14780   | 0.01%                                    | 0.000% |
| 98     | 7.854  | 7.828  | 7.879  | VV | 1599   | 30867   | 0.03%                                    | 0.001% |
| 99     | 7.897  | 7.879  | 7.907  | VV | 733    | 9465    | 0.01%                                    | 0.000% |
| 100    | 7.916  | 7.907  | 7.926  | VV | 710    | 8162    | 0.01%                                    | 0.000% |
| 101    | 7.943  | 7.926  | 7.963  | VV | 1708   | 21072   | 0.02%                                    | 0.001% |
| 102    | 7.970  | 7.963  | 7.981  | VV | 347    | 2879    | 0.00%                                    | 0.000% |
| 103    | 8.013  | 7.981  | 8.098  | VV | 5635   | 126167  | 0.12%                                    | 0.003% |
| 104    | 8.137  | 8.098  | 8.155  | VV | 1925   | 48004   | 0.05%                                    | 0.001% |
| 105    | 8.161  | 8.155  | 8.192  | VV | 1576   | 24462   | 0.02%                                    | 0.001% |
| 106    | 8.208  | 8.192  | 8.228  | VV | 1216   | 17917   | 0.02%                                    | 0.000% |
| 107    | 8.253  | 8.228  | 8.276  | VV | 2782   | 37147   | 0.03%                                    | 0.001% |
| 108    | 8.309  | 8.276  | 8.333  | VV | 2460   | 40978   | 0.04%                                    | 0.001% |
| 109    | 8.348  | 8.333  | 8.361  | VV | 975    | 12458   | 0.01%                                    | 0.000% |
| 110    | 8.379  | 8.361  | 8.413  | VV | 1750   | 30267   | 0.03%                                    | 0.001% |
| 111    | 8.467  | 8.413  | 8.494  | VV | 4302   | 96042   | 0.09%                                    | 0.003% |
| 112    | 8.504  | 8.494  | 8.528  | VV | 933    | 15041   | 0.01%                                    | 0.000% |
| 113    | 8.562  | 8.528  | 8.641  | VV | 434468 | 4712368 | 4.43%                                    | 0.128% |
| 114    | 8.689  | 8.641  | 8.741  | VV | 4806   | 116428  | 0.11%                                    | 0.003% |
| 115    | 8.754  | 8.741  | 8.774  | VV | 915    | 13891   | 0.01%                                    | 0.000% |
| 116    | 8.795  | 8.774  | 8.835  | VV | 999    | 16690   | 0.02%                                    | 0.000% |
| 117    | 8.855  | 8.835  | 8.863  | PV | 132    | 1124    | 0.00%                                    | 0.000% |
| 118    | 8.887  | 8.863  | 8.943  | VV | 36249  | 587691  | 0.55%                                    | 0.016% |
| 119    | 8.978  | 8.943  | 9.021  | VV | 16870  | 310306  | 0.29%                                    | 0.008% |
| 120    | 9.041  | 9.021  | 9.068  | VV | 10272  | 159561  | 0.15%                                    | 0.004% |
| 121    | 9.100  | 9.068  | 9.139  | VV | 4467   | 106756  | 0.10%                                    | 0.003% |
| 122    | 9.156  | 9.139  | 9.186  | VV | 1350   | 27192   | 0.03%                                    | 0.001% |
| 123    | 9.216  | 9.186  | 9.238  | VV | 854    | 20485   | 0.02%                                    | 0.001% |
| 124    | 9.314  | 9.238  | 9.360  | VV | 9198   | 200328  | 0.19%                                    | 0.005% |
| 125    | 9.388  | 9.360  | 9.450  | VV | 13039  | 204678  | 0.19%                                    | 0.006% |
| 126    | 9.476  | 9.450  | 9.508  | VV | 1921   | 32244   | 0.03%                                    | 0.001% |
| 127    | 9.522  | 9.508  | 9.551  | VV | 608    | 8663    | 0.01%                                    | 0.000% |
| 128    | 9.647  | 9.551  | 9.658  | PV | 865    | 27216   | 0.03%                                    | 0.001% |
| 129    | 9.688  | 9.658  | 9.708  | VV | 1013   | 23423   | 0.02%                                    | 0.001% |
| 130    | 9.758  | 9.708  | 9.789  | VV | 3410   | 99821   | 0.09%                                    | 0.003% |
| 131    | 9.805  | 9.789  | 9.822  | VV | 2016   | 30725   | 0.03%                                    | 0.001% |
| 132    | 9.849  | 9.822  | 9.874  | VV | 1600   | 36301   | 0.03%                                    | 0.001% |
| 133    | 9.895  | 9.874  | 9.931  | VV | 1746   | 32626   | 0.03%                                    | 0.001% |
| 134    | 9.948  | 9.931  | 9.976  | VV | 3280   | 37013   | 0.03%                                    | 0.001% |
| 135    | 10.005 | 9.976  | 10.052 | PV | 919    | 21787   | 0.02%                                    | 0.001% |
| 136    | 10.088 | 10.052 | 10.103 | VV | 4728   | 58968   | 0.06%                                    | 0.002% |
| 137    | 10.111 | 10.103 | 10.135 | VV | 3056   | 39405   | 0.04%                                    | 0.001% |
| 138    | 10.170 | 10.135 | 10.215 | VV | 434517 | 4828466 | 4.53%                                    | 0.131% |
| 139    | 10.235 | 10.215 | 10.257 | VV | 1371   | 25280   | 0.02%                                    | 0.001% |
| 140    | 10.268 | 10.257 | 10.313 | VV | 847    | 14840   | 0.01%                                    | 0.000% |
| 141    | 10.342 | 10.313 | 10.361 | VV | 615    | 9466    | 0.01%                                    | 0.000% |

|     |        |        |        |    |        |          |        |        |
|-----|--------|--------|--------|----|--------|----------|--------|--------|
| 142 | 10.381 | 10.361 | 10.390 | VV | 385    | 5324     | 0.01%  | 0.000% |
| 143 | 10.408 | 10.390 | 10.428 | VV | 387    | 5113     |        |        |
| 144 | 10.447 | 10.428 | 10.465 | PV | 746    | 9172     |        |        |
| 145 | 10.487 | 10.465 | 10.529 | VV | 2063   | 45217    |        |        |
| 146 | 10.558 | 10.529 | 10.581 | VV | 4720   | 72532    |        |        |
| 147 | 10.604 | 10.581 | 10.618 | VV | 2391   | 38540    |        |        |
| 148 | 10.637 | 10.618 | 10.681 | VV | 3978   | 72537    | 0.07%  | 0.002% |
| 149 | 10.703 | 10.681 | 10.738 | VV | 1556   | 21439    | 0.02%  | 0.001% |
| 150 | 10.764 | 10.738 | 10.782 | PV | 1301   | 17171    | 0.02%  | 0.000% |
| 151 | 10.835 | 10.782 | 10.852 | VV | 2657   | 48068    | 0.05%  | 0.001% |
| 152 | 10.873 | 10.852 | 10.885 | VV | 3340   | 48340    | 0.05%  | 0.001% |
| 153 | 10.908 | 10.885 | 10.945 | VV | 19164  | 244330   | 0.23%  | 0.007% |
| 154 | 10.980 | 10.945 | 11.007 | VV | 8534   | 137099   | 0.13%  | 0.004% |
| 155 | 11.035 | 11.007 | 11.068 | VV | 2431   | 51051    | 0.05%  | 0.001% |
| 156 | 11.088 | 11.068 | 11.111 | VV | 970    | 18172    | 0.02%  | 0.000% |
| 157 | 11.132 | 11.111 | 11.174 | VV | 1077   | 24835    | 0.02%  | 0.001% |
| 158 | 11.197 | 11.174 | 11.219 | PV | 7588   | 102762   | 0.10%  | 0.003% |
| 159 | 11.229 | 11.219 | 11.265 | VV | 3031   | 56223    | 0.05%  | 0.002% |
| 160 | 11.308 | 11.265 | 11.347 | VV | 4695   | 124633   | 0.12%  | 0.003% |
| 161 | 11.363 | 11.347 | 11.378 | VV | 2525   | 33586    | 0.03%  | 0.001% |
| 162 | 11.417 | 11.378 | 11.451 | VV | 4675   | 92760    | 0.09%  | 0.003% |
| 163 | 11.478 | 11.451 | 11.493 | VV | 2368   | 45703    | 0.04%  | 0.001% |
| 164 | 11.545 | 11.493 | 11.569 | VV | 15994  | 257018   | 0.24%  | 0.007% |
| 165 | 11.614 | 11.569 | 11.666 | VV | 434818 | 5288835  | 4.97%  | 0.143% |
| 166 | 11.703 | 11.666 | 11.747 | VV | 21898  | 464525   | 0.44%  | 0.013% |
| 167 | 11.774 | 11.747 | 11.783 | VV | 6174   | 119484   | 0.11%  | 0.003% |
| 168 | 11.809 | 11.783 | 11.829 | VV | 7709   | 181270   | 0.17%  | 0.005% |
| 169 | 11.889 | 11.829 | 11.926 | VV | 13126  | 604200   | 0.57%  | 0.016% |
| 170 | 11.936 | 11.926 | 11.955 | VV | 12403  | 198019   | 0.19%  | 0.005% |
| 171 | 12.010 | 11.955 | 12.028 | VV | 16657  | 631627   | 0.59%  | 0.017% |
| 172 | 12.076 | 12.028 | 12.084 | VV | 18690  | 573213   | 0.54%  | 0.016% |
| 173 | 12.106 | 12.084 | 12.117 | VV | 22362  | 416353   | 0.39%  | 0.011% |
| 174 | 12.131 | 12.117 | 12.141 | VV | 21828  | 307935   | 0.29%  | 0.008% |
| 175 | 12.169 | 12.141 | 12.191 | VV | 26051  | 736078   | 0.69%  | 0.020% |
| 176 | 12.280 | 12.191 | 12.328 | VV | 50786  | 2965790  | 2.79%  | 0.080% |
| 177 | 12.415 | 12.328 | 12.461 | VV | 46686  | 3314790  | 3.11%  | 0.090% |
| 178 | 12.542 | 12.461 | 12.568 | VV | 111989 | 4236596  | 3.98%  | 0.115% |
| 179 | 12.598 | 12.568 | 12.613 | VV | 71106  | 1841802  | 1.73%  | 0.050% |
| 180 | 12.652 | 12.613 | 12.663 | VV | 77329  | 2176697  | 2.04%  | 0.059% |
| 181 | 12.712 | 12.663 | 12.728 | VV | 85876  | 3235578  | 3.04%  | 0.088% |
| 182 | 12.792 | 12.728 | 12.817 | VV | 103768 | 5114029  | 4.80%  | 0.139% |
| 183 | 12.867 | 12.817 | 12.896 | VV | 136414 | 5702494  | 5.36%  | 0.155% |
| 184 | 12.931 | 12.896 | 12.961 | VV | 541443 | 9940816  | 9.34%  | 0.269% |
| 185 | 13.037 | 12.961 | 13.058 | VV | 154738 | 8229080  | 7.73%  | 0.223% |
| 186 | 13.079 | 13.058 | 13.108 | VV | 166929 | 4793712  | 4.50%  | 0.130% |
| 187 | 13.209 | 13.108 | 13.222 | VV | 189383 | 11807826 | 11.09% | 0.320% |
| 188 | 13.262 | 13.222 | 13.274 | VV | 206089 | 6137088  | 5.76%  | 0.166% |
| 189 | 13.381 | 13.274 | 13.407 | VV | 641093 | 23167514 | 21.76% | 0.628% |
| 190 | 13.433 | 13.407 | 13.459 | VV | 303061 | 8672291  | 8.14%  | 0.235% |
| 191 | 13.481 | 13.459 | 13.503 | VV | 287118 | 7405402  | 6.96%  | 0.201% |
| 192 | 13.550 | 13.503 | 13.576 | VV | 657827 | 16800849 | 15.78% | 0.455% |
| 193 | 13.595 | 13.576 | 13.610 | VV | 317096 | 6354121  | 5.97%  | 0.172% |
| 194 | 13.715 | 13.610 | 13.736 | VV | 354246 | 24666389 | 23.17% | 0.668% |

Instrument :

FID\_F

ClientSampleId :

WC1MS

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 03/21/2025

Supervised By :mohammad ahmed 03/24/2025

|     |        |        |        |    |         |          |        |                           |                                                                                                                     |
|-----|--------|--------|--------|----|---------|----------|--------|---------------------------|---------------------------------------------------------------------------------------------------------------------|
|     |        |        |        |    |         |          |        | Instrument :<br>FID_F     |                                                                                                                     |
|     |        |        |        |    |         |          |        | ClientSampleId :<br>WC1MS |                                                                                                                     |
| 195 | 13.779 | 13.736 | 13.802 | VV | 453346  | 15503796 | 14.56% | 0.420%                    | Manual IntegrationsAPPROVED<br><br>Reviewed By :Yogesh Patel 03/21/2025<br>Supervised By :mohammad ahmed 03/24/2025 |
| 196 | 13.825 | 13.802 | 13.847 | VV | 403922  | 10612840 |        |                           |                                                                                                                     |
| 197 | 13.867 | 13.847 | 13.897 | VV | 412494  | 12151486 |        |                           |                                                                                                                     |
| 198 | 13.934 | 13.897 | 13.948 | VV | 421034  | 12501537 |        |                           |                                                                                                                     |
| 199 | 13.986 | 13.948 | 14.007 | VV | 455402  | 15650377 |        |                           |                                                                                                                     |
| 200 | 14.050 | 14.007 | 14.076 | VV | 500864  | 19293169 |        |                           |                                                                                                                     |
| 201 | 14.090 | 14.076 | 14.105 | VV | 482000  | 8293522  | 7.79%  | 0.225%                    |                                                                                                                     |
| 202 | 14.143 | 14.105 | 14.173 | VV | 860186  | 24270916 | 22.80% | 0.658%                    |                                                                                                                     |
| 203 | 14.192 | 14.173 | 14.210 | VV | 519775  | 11383839 | 10.69% | 0.308%                    |                                                                                                                     |
| 204 | 14.232 | 14.210 | 14.247 | VV | 515120  | 11283139 | 10.60% | 0.306%                    |                                                                                                                     |
| 205 | 14.290 | 14.247 | 14.310 | VV | 563046  | 20245750 | 19.01% | 0.549%                    |                                                                                                                     |
| 206 | 14.376 | 14.310 | 14.405 | VV | 673780  | 33623801 | 31.58% | 0.911%                    |                                                                                                                     |
| 207 | 14.451 | 14.405 | 14.485 | VV | 625979  | 28919239 | 27.16% | 0.784%                    |                                                                                                                     |
| 208 | 14.526 | 14.485 | 14.571 | VV | 646645  | 32261674 | 30.30% | 0.874%                    |                                                                                                                     |
| 209 | 14.610 | 14.571 | 14.633 | VV | 657855  | 23581894 | 22.15% | 0.639%                    |                                                                                                                     |
| 210 | 14.660 | 14.633 | 14.681 | VV | 694853  | 19142617 | 17.98% | 0.519%                    |                                                                                                                     |
| 211 | 14.708 | 14.681 | 14.725 | VV | 679214  | 17196035 | 16.15% | 0.466%                    |                                                                                                                     |
| 212 | 14.735 | 14.725 | 14.745 | VV | 662441  | 7785626  | 7.31%  | 0.211%                    |                                                                                                                     |
| 213 | 14.779 | 14.745 | 14.788 | VV | 712769  | 17964954 | 16.87% | 0.487%                    |                                                                                                                     |
| 214 | 14.836 | 14.788 | 14.888 | VV | 794954  | 43618040 | 40.97% | 1.182%                    |                                                                                                                     |
| 215 | 14.897 | 14.888 | 14.923 | VV | 704937  | 14780325 | 13.88% | 0.401%                    |                                                                                                                     |
| 216 | 14.961 | 14.923 | 15.055 | VV | 787155  | 58151851 | 54.62% | 1.576%                    |                                                                                                                     |
| 217 | 15.097 | 15.055 | 15.121 | VV | 748792  | 29357254 | 27.57% | 0.796%                    |                                                                                                                     |
| 218 | 15.174 | 15.121 | 15.228 | VV | 821588  | 49402878 | 46.40% | 1.339%                    |                                                                                                                     |
| 219 | 15.256 | 15.228 | 15.284 | VV | 1084243 | 30363199 | 28.52% | 0.823%                    |                                                                                                                     |
| 220 | 15.296 | 15.284 | 15.361 | VV | 819801  | 36202464 | 34.00% | 0.981%                    |                                                                                                                     |
| 221 | 15.392 | 15.361 | 15.437 | VV | 843193  | 36020193 | 33.83% | 0.976%                    |                                                                                                                     |
| 222 | 15.454 | 15.437 | 15.471 | VV | 789356  | 15873403 | 14.91% | 0.430%                    |                                                                                                                     |
| 223 | 15.508 | 15.471 | 15.548 | VV | 829221  | 37501122 | 35.22% | 1.016%                    |                                                                                                                     |
| 224 | 15.591 | 15.548 | 15.632 | VV | 826734  | 40730570 | 38.25% | 1.104%                    |                                                                                                                     |
| 225 | 15.645 | 15.632 | 15.655 | VV | 790383  | 10584632 | 9.94%  | 0.287%                    |                                                                                                                     |
| 226 | 15.700 | 15.655 | 15.718 | VV | 856832  | 31176252 | 29.28% | 0.845%                    |                                                                                                                     |
| 227 | 15.728 | 15.718 | 15.751 | VV | 820542  | 16014056 | 15.04% | 0.434%                    |                                                                                                                     |
| 228 | 15.795 | 15.751 | 15.852 | VV | 1097908 | 55319104 | 51.96% | 1.499%                    |                                                                                                                     |
| 229 | 15.862 | 15.852 | 15.891 | VV | 834929  | 19543535 | 18.36% | 0.530%                    |                                                                                                                     |
| 230 | 15.919 | 15.891 | 15.938 | VV | 855309  | 23017662 | 21.62% | 0.624%                    |                                                                                                                     |
| 231 | 16.004 | 15.938 | 16.020 | VV | 852155  | 40529014 | 38.06% | 1.098%                    |                                                                                                                     |
| 232 | 16.042 | 16.020 | 16.061 | VV | 862383  | 20579469 | 19.33% | 0.558%                    |                                                                                                                     |
| 233 | 16.094 | 16.061 | 16.155 | VV | 978911  | 50138300 | 47.09% | 1.359%                    |                                                                                                                     |
| 234 | 16.171 | 16.155 | 16.202 | VV | 866601  | 24171767 | 22.70% | 0.655%                    |                                                                                                                     |
| 235 | 16.241 | 16.202 | 16.254 | VV | 864478  | 26074662 | 24.49% | 0.707%                    |                                                                                                                     |
| 236 | 16.285 | 16.254 | 16.311 | VV | 1161055 | 34094015 | 32.02% | 0.924%                    |                                                                                                                     |
| 237 | 16.321 | 16.311 | 16.363 | VV | 948624  | 27627774 | 25.95% | 0.749%                    |                                                                                                                     |
| 238 | 16.380 | 16.363 | 16.403 | VV | 846378  | 20050514 | 18.83% | 0.543%                    |                                                                                                                     |
| 239 | 16.423 | 16.403 | 16.435 | VV | 862812  | 16053126 | 15.08% | 0.435%                    |                                                                                                                     |
| 240 | 16.439 | 16.435 | 16.445 | VV | 864829  | 5642167  | 5.30%  | 0.153%                    |                                                                                                                     |
| 241 | 16.483 | 16.445 | 16.545 | VV | 992321  | 54615076 | 51.29% | 1.480%                    |                                                                                                                     |
| 242 | 16.599 | 16.545 | 16.636 | VV | 998534  | 51753086 | 48.61% | 1.402%                    |                                                                                                                     |
| 243 | 16.651 | 16.636 | 16.695 | VV | 980627  | 32957061 | 30.95% | 0.893%                    |                                                                                                                     |
| 244 | 16.728 | 16.695 | 16.751 | VV | 926315  | 30334388 | 28.49% | 0.822%                    |                                                                                                                     |
| 245 | 16.771 | 16.751 | 16.798 | VV | 949594  | 25562044 | 24.01% | 0.693%                    |                                                                                                                     |
| 246 | 16.814 | 16.798 | 16.838 | VV | 903330  | 21452888 | 20.15% | 0.581%                    |                                                                                                                     |

|     |        |        |        |    |         |           |         |                                                                                  |  |
|-----|--------|--------|--------|----|---------|-----------|---------|----------------------------------------------------------------------------------|--|
|     |        |        |        |    |         |           |         | Instrument :<br>FID_F                                                            |  |
|     |        |        |        |    |         |           |         | ClientSampleId :<br>WC1MS                                                        |  |
|     |        |        |        |    |         |           |         | Manual IntegrationsAPPROVED                                                      |  |
|     |        |        |        |    |         |           |         | Reviewed By :Yogesh Patel 03/21/2025<br>Supervised By :mohammad ahmed 03/24/2025 |  |
|     |        |        |        |    |         |           |         |                                                                                  |  |
| 247 | 16.892 | 16.838 | 16.905 | VV | 948527  | 36635949  | 34.41%  | 0.993%                                                                           |  |
| 248 | 16.945 | 16.905 | 16.959 | VV | 990684  | 31672296  | 29.41%  | 1.170%                                                                           |  |
| 249 | 16.989 | 16.959 | 17.031 | VV | 1047695 | 44084297  | 41.85%  | 1.188%                                                                           |  |
| 250 | 17.040 | 17.031 | 17.065 | VV | 1021808 | 19908672  | 18.85%  | 0.544%                                                                           |  |
| 251 | 17.103 | 17.065 | 17.151 | VV | 1111698 | 54705727  | 51.85%  | 1.188%                                                                           |  |
| 252 | 17.247 | 17.151 | 17.297 | VV | 1474581 | 106474498 | 100.00% | 1.188%                                                                           |  |
| 253 | 17.325 | 17.297 | 17.349 | VV | 1276053 | 38924291  | 36.56%  | 1.055%                                                                           |  |
| 254 | 17.380 | 17.349 | 17.401 | VV | 1505599 | 43193528  | 40.57%  | 1.170%                                                                           |  |
| 255 | 17.467 | 17.401 | 17.485 | VV | 1617337 | 75044369  | 70.48%  | 2.034%                                                                           |  |
| 256 | 17.520 | 17.485 | 17.546 | VV | 1755759 | 60182966  | 56.52%  | 1.631%                                                                           |  |
| 257 | 17.579 | 17.546 | 17.624 | VV | 1806452 | 78474980  | 73.70%  | 2.127%                                                                           |  |
| 258 | 17.657 | 17.624 | 17.685 | VV | 1946985 | 63552295  | 59.69%  | 1.722%                                                                           |  |
| 259 | 17.706 | 17.685 | 17.745 | VV | 1708461 | 57409510  | 53.92%  | 1.556%                                                                           |  |
| 260 | 17.782 | 17.745 | 17.801 | VV | 1568138 | 50396403  | 47.33%  | 1.366%                                                                           |  |
| 261 | 17.818 | 17.801 | 17.868 | VV | 1598357 | 58455662  | 54.90%  | 1.584%                                                                           |  |
| 262 | 17.906 | 17.868 | 17.981 | VV | 1341133 | 82936492  | 77.89%  | 2.247%                                                                           |  |
| 263 | 18.003 | 17.981 | 18.018 | VV | 1087379 | 23438880  | 22.01%  | 0.635%                                                                           |  |
| 264 | 18.048 | 18.018 | 18.087 | VV | 1105277 | 43834666  | 41.17%  | 1.188%                                                                           |  |
| 265 | 18.130 | 18.087 | 18.171 | VV | 1285740 | 53133287  | 49.90%  | 1.440%                                                                           |  |
| 266 | 18.189 | 18.171 | 18.236 | VV | 906990  | 33994722  | 31.93%  | 0.921%                                                                           |  |
| 267 | 18.295 | 18.236 | 18.362 | VV | 1107841 | 69534329  | 65.31%  | 1.884%                                                                           |  |
| 268 | 18.397 | 18.362 | 18.452 | VV | 806525  | 42560348  | 39.97%  | 1.153%                                                                           |  |
| 269 | 18.491 | 18.452 | 18.533 | VV | 884618  | 39298564  | 36.91%  | 1.065%                                                                           |  |
| 270 | 18.544 | 18.533 | 18.579 | VV | 771964  | 20065871  | 18.85%  | 0.544%                                                                           |  |
| 271 | 18.612 | 18.579 | 18.625 | VV | 760015  | 20260220  | 19.03%  | 0.549%                                                                           |  |
| 272 | 18.655 | 18.625 | 18.708 | VV | 1059924 | 39818255  | 37.40%  | 1.079%                                                                           |  |
| 273 | 18.736 | 18.708 | 18.762 | VV | 675271  | 21593972  | 20.28%  | 0.585%                                                                           |  |
| 274 | 18.809 | 18.762 | 18.896 | VV | 746449  | 55194297  | 51.84%  | 1.496%                                                                           |  |
| 275 | 18.954 | 18.896 | 19.011 | VV | 933510  | 48080728  | 45.16%  | 1.303%                                                                           |  |
| 276 | 19.017 | 19.011 | 19.035 | VV | 617374  | 8613214   | 8.09%   | 0.233%                                                                           |  |
| 277 | 19.069 | 19.035 | 19.094 | VV | 734526  | 23209990  | 21.80%  | 0.629%                                                                           |  |
| 278 | 19.117 | 19.094 | 19.178 | VV | 709980  | 32366944  | 30.40%  | 0.877%                                                                           |  |
| 279 | 19.207 | 19.178 | 19.225 | VV | 611992  | 16712751  | 15.70%  | 0.453%                                                                           |  |
| 280 | 19.245 | 19.225 | 19.318 | VV | 614708  | 33389894  | 31.36%  | 0.905%                                                                           |  |
| 281 | 19.352 | 19.318 | 19.373 | VV | 620879  | 19802135  | 18.60%  | 0.537%                                                                           |  |
| 282 | 19.395 | 19.373 | 19.440 | VV | 630267  | 22899746  | 21.51%  | 0.621%                                                                           |  |
| 283 | 19.461 | 19.440 | 19.493 | VV | 575171  | 17345263  | 16.29%  | 0.470%                                                                           |  |
| 284 | 19.547 | 19.493 | 19.618 | VV | 574609  | 40054877  | 37.62%  | 1.085%                                                                           |  |
| 285 | 19.632 | 19.618 | 19.655 | VV | 512858  | 11193713  | 10.51%  | 0.303%                                                                           |  |
| 286 | 19.664 | 19.655 | 19.700 | VV | 502310  | 13333729  | 12.52%  | 0.361%                                                                           |  |
| 287 | 19.737 | 19.700 | 19.837 | VV | 802304  | 47110593  | 44.25%  | 1.277%                                                                           |  |
| 288 | 19.862 | 19.837 | 19.905 | VV | 489984  | 19034546  | 17.88%  | 0.516%                                                                           |  |
| 289 | 19.913 | 19.905 | 19.917 | VV | 456469  | 3352698   | 3.15%   | 0.091%                                                                           |  |
| 290 | 19.939 | 19.917 | 19.951 | VV | 462199  | 9463739   | 8.89%   | 0.256%                                                                           |  |
| 291 | 19.957 | 19.951 | 19.985 | VV | 465691  | 9136434   | 8.58%   | 0.248%                                                                           |  |
| 292 | 20.010 | 19.985 | 20.070 | VV | 460710  | 22802492  | 21.42%  | 0.618%                                                                           |  |
| 293 | 20.149 | 20.070 | 20.215 | VV | 508019  | 39303546  | 36.91%  | 1.065%                                                                           |  |
| 294 | 20.261 | 20.215 | 20.298 | VV | 423398  | 20608836  | 19.36%  | 0.558%                                                                           |  |
| 295 | 20.308 | 20.298 | 20.328 | VV | 397776  | 7068293   | 6.64%   | 0.192%                                                                           |  |
| 296 | 20.372 | 20.328 | 20.400 | VV | 448865  | 17598241  | 16.53%  | 0.477%                                                                           |  |
| 297 | 20.416 | 20.400 | 20.440 | VV | 407899  | 9706195   | 9.12%   | 0.263%                                                                           |  |
| 298 | 20.472 | 20.440 | 20.504 | VV | 617603  | 18190048  | 17.08%  | 0.493%                                                                           |  |
| 299 | 20.514 | 20.504 | 20.527 | VV | 385903  | 5301922   | 4.98%   | 0.144%                                                                           |  |



|                                          |        |        |        |     |            |          |        |        |  |
|------------------------------------------|--------|--------|--------|-----|------------|----------|--------|--------|--|
| Instrument : FID_F                       |        |        |        |     |            |          |        |        |  |
| ClientSampleId : WC1MS                   |        |        |        |     |            |          |        |        |  |
| Manual IntegrationsAPPROVED              |        |        |        |     |            |          |        |        |  |
| Reviewed By :Yogesh Patel 03/21/2025     |        |        |        |     |            |          |        |        |  |
| Supervised By :mohammad ahmed 03/24/2025 |        |        |        |     |            |          |        |        |  |
|                                          |        |        |        |     | rters      |          |        |        |  |
| 300                                      | 20.543 | 20.527 | 20.598 | VV  | 388794     | 15888129 | 14.92% | 0.431% |  |
| 301                                      | 20.648 | 20.598 | 20.672 | VV  | 383813     | 16503987 |        |        |  |
| 302                                      | 20.681 | 20.672 | 20.703 | VV  | 373678     | 6633884  |        |        |  |
| 303                                      | 20.712 | 20.703 | 20.726 | VV  | 354727     | 4954916  |        |        |  |
| 304                                      | 20.737 | 20.726 | 20.778 | VV  | 355052     | 10401850 |        |        |  |
| 305                                      | 20.794 | 20.778 | 20.803 | VV  | 318672     | 4742861  |        |        |  |
| 306                                      | 20.818 | 20.803 | 20.874 | VV  | 322581     | 13080424 | 12.29% | 0.354% |  |
| 307                                      | 20.948 | 20.874 | 20.998 | VV  | 308260     | 21730948 | 20.41% | 0.589% |  |
| 308                                      | 21.055 | 20.998 | 21.128 | VV  | 280729     | 20408341 | 19.17% | 0.553% |  |
| 309                                      | 21.152 | 21.128 | 21.162 | VV  | 246949     | 4974800  | 4.67%  | 0.135% |  |
| 310                                      | 21.208 | 21.162 | 21.354 | VV  | 437939     | 28425357 | 26.70% | 0.770% |  |
| 311                                      | 21.363 | 21.354 | 21.383 | VV  | 188880     | 3204232  | 3.01%  | 0.087% |  |
| 312                                      | 21.408 | 21.383 | 21.476 | VV  | 189803     | 10304139 | 9.68%  | 0.279% |  |
| 313                                      | 21.484 | 21.476 | 21.605 | VV  | 174501     | 12528490 | 11.77% | 0.340% |  |
| 314                                      | 21.620 | 21.605 | 21.711 | VV  | 155600     | 9184600  | 8.63%  | 0.249% |  |
| 315                                      | 21.733 | 21.711 | 21.751 | VV  | 137810     | 3247233  | 3.05%  | 0.088% |  |
| 316                                      | 21.760 | 21.751 | 21.966 | VV  | 136638     | 14749984 | 13.85% | 0.400% |  |
| 317                                      | 21.984 | 21.966 | 22.039 | VV  | 95198      | 4116739  | 3.87%  | 0.112% |  |
| 318                                      | 22.125 | 22.039 | 22.321 | VV  | 245520     | 17320161 | 16.27% | 0.469% |  |
| 319                                      | 22.339 | 22.321 | 22.354 | VV  | 63496      | 1253889  | 1.18%  | 0.034% |  |
| 320                                      | 22.361 | 22.354 | 22.368 | VV  | 63563      | 511681   | 0.48%  | 0.014% |  |
| 321                                      | 22.377 | 22.368 | 22.519 | VV  | 63594      | 5006143  | 4.70%  | 0.136% |  |
| 322                                      | 22.570 | 22.519 | 22.589 | VV  | 49359      | 1987932  | 1.87%  | 0.054% |  |
| 323                                      | 22.597 | 22.589 | 22.641 | VV  | 46255      | 1375163  | 1.29%  | 0.037% |  |
| 324                                      | 22.684 | 22.641 | 22.759 | VV  | 44842      | 2666945  | 2.50%  | 0.072% |  |
| 325                                      | 22.769 | 22.759 | 22.795 | VV  | 29998      | 607241   | 0.57%  | 0.016% |  |
| 326                                      | 22.810 | 22.795 | 22.821 | VV  | 28894      | 417470   | 0.39%  | 0.011% |  |
| 327                                      | 22.837 | 22.821 | 22.848 | VV  | 25874      | 407753   | 0.38%  | 0.011% |  |
| 328                                      | 22.857 | 22.848 | 22.873 | VV  | 26635      | 379367   | 0.36%  | 0.010% |  |
| 329                                      | 22.895 | 22.873 | 22.945 | VV  | 24761      | 964810   | 0.91%  | 0.026% |  |
| 330                                      | 22.964 | 22.945 | 23.037 | VV  | 19158      | 845805   | 0.79%  | 0.023% |  |
| 331                                      | 23.049 | 23.037 | 23.089 | VV  | 11402      | 310281   | 0.29%  | 0.008% |  |
| 332                                      | 23.109 | 23.089 | 23.168 | VV  | 9710       | 366864   | 0.34%  | 0.010% |  |
| 333                                      | 23.184 | 23.168 | 23.297 | VV  | 6559       | 215728   | 0.20%  | 0.006% |  |
| 334                                      | 23.324 | 23.297 | 23.341 | PBA | 4116       | 208405   | 0.20%  | 0.006% |  |
| Sum of corrected areas:                  |        |        |        |     | 3690274118 |          |        |        |  |

Aliphatic EPH 031725.M Fri Mar 21 00:52:57 2025



Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_G\Data\FG032025AR\  
 Data File : FG015519.D  
 Signal(s) : FID1A.ch  
 Acq On : 20 Mar 2025 15:27  
 Operator : YP\AJ  
 Sample : Q1574-01MSD  
 Misc :  
 ALS Vial : 27 Sample Multiplier: 1

## Instrument :

FID\_G

ClientSampleId :

WC1MSD

## Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 03/21/2025

Supervised By :mohammad ahmed 03/24/2025

Integration File: autoint1.e

Quant Time: Mar 21 01:32:35 2025

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_G\Method\Aromatic EPH 031725.M

Quant Title : GC Extractables

Qlast Update : Tue Mar 18 05:13:04 2025

Response via : Initial Calibration

Integrator: ChemStation

Volume Inj. : 1 µl

Signal Phase : Rxi-1ms

Signal Info : 20M x 0.18mm x 0.18µm

| Compound                           | R.T.   | Response   | Conc Units     |
|------------------------------------|--------|------------|----------------|
| -----                              |        |            |                |
| System Monitoring Compounds        |        |            |                |
| 4) S 2-Bromonaphthalene (S...      | 7.972  | 6634311    | 54.311 ug/ml   |
| Spiked Amount 50.000               |        | Recovery = | 108.62%        |
| 6) S 2-Fluorobiphenyl (SURR)       | 8.850  | 3808847    | 46.080 ug/ml   |
| Spiked Amount 50.000 Range 0 - 131 |        | Recovery = | 92.16%         |
| 11) S ortho-Terphenyl (SURR)       | 11.970 | 3804129    | 26.086 ug/mlm  |
| Spiked Amount 50.000               |        | Recovery = | 52.17%         |
| Target Compounds                   |        |            |                |
| 1) T 1,2,3-Trimethylbenzen...      | 4.561  | 3394165    | 25.542 ug/ml   |
| 2) T Naphthalene (C11.7)           | 6.240  | 5074647    | 37.560 ug/mlm  |
| 3) T 2-Methylnaphthalene (...)     | 7.342  | 5461706    | 40.945 ug/ml   |
| 5) T Acenaphthylene (C15.06)       | 8.648  | 4652940    | 32.853 ug/ml   |
| 7) T Acenaphthene (C15.5)          | 8.949  | 4823411    | 35.354 ug/mlm  |
| 8) T Flouorene (C16.55)            | 9.740  | 3067252    | 21.971 ug/mlm  |
| 9) T Phenanthrene (C19.36)         | 11.171 | 2919726    | 20.724 ug/ml   |
| 10) T Anthracene (C19.43)          | 11.220 | 7391690    | 54.016 ug/ml   |
| 12) T Fluoranthene (C21.85)        | 12.960 | 3610033    | 25.315 ug/mlm  |
| 13) T Pyrene (C20.8)               | 13.285 | 2446583    | 17.437 ug/mlm  |
| 14) T Benzo[a]anthracene (C...     | 15.172 | 7183996    | 52.967 ug/mlm  |
| 15) T Chrysene (C27.41)            | 15.232 | 15089184   | 107.786 ug/mlm |
| 19) T Indeno[1,2,3-cd]pyren...     | 18.481 | 24206195   | 217.563 ug/mlm |
| 20) T Dibenz[a,h]anthracene...     | 18.518 | 11108184   | 86.323 ug/mlm  |
| 21) T Benzo[g,h,i]perylene ...     | 18.726 | 3204847    | 26.820 ug/mlm  |
| -----                              |        |            |                |

(f)=RT Delta &gt; 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_G\Data\FG032025AR\  
Data File : FG015519.D  
Signal(s) : FID1A.ch  
Acq On : 20 Mar 2025 15:27  
Operator : YP\AJ  
Sample : Q1574-01MSD  
Misc :  
ALS Vial : 27 Sample Multiplier: 1

## Instrument :

FID\_G

## ClientSampleId :

WC1MSD

## Manual Integrations

## APPROVED

Reviewed By :Yogesh Patel 03/21/2025

Supervised By :mohammad ahmed 03/24/2025

Integration File: autoint1.e

Quant Time: Mar 21 01:32:35 2025

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_G\Method\Aromatic EPH 031725.M

Quant Title : GC Extractables

QLast Update : Tue Mar 18 05:13:04 2025

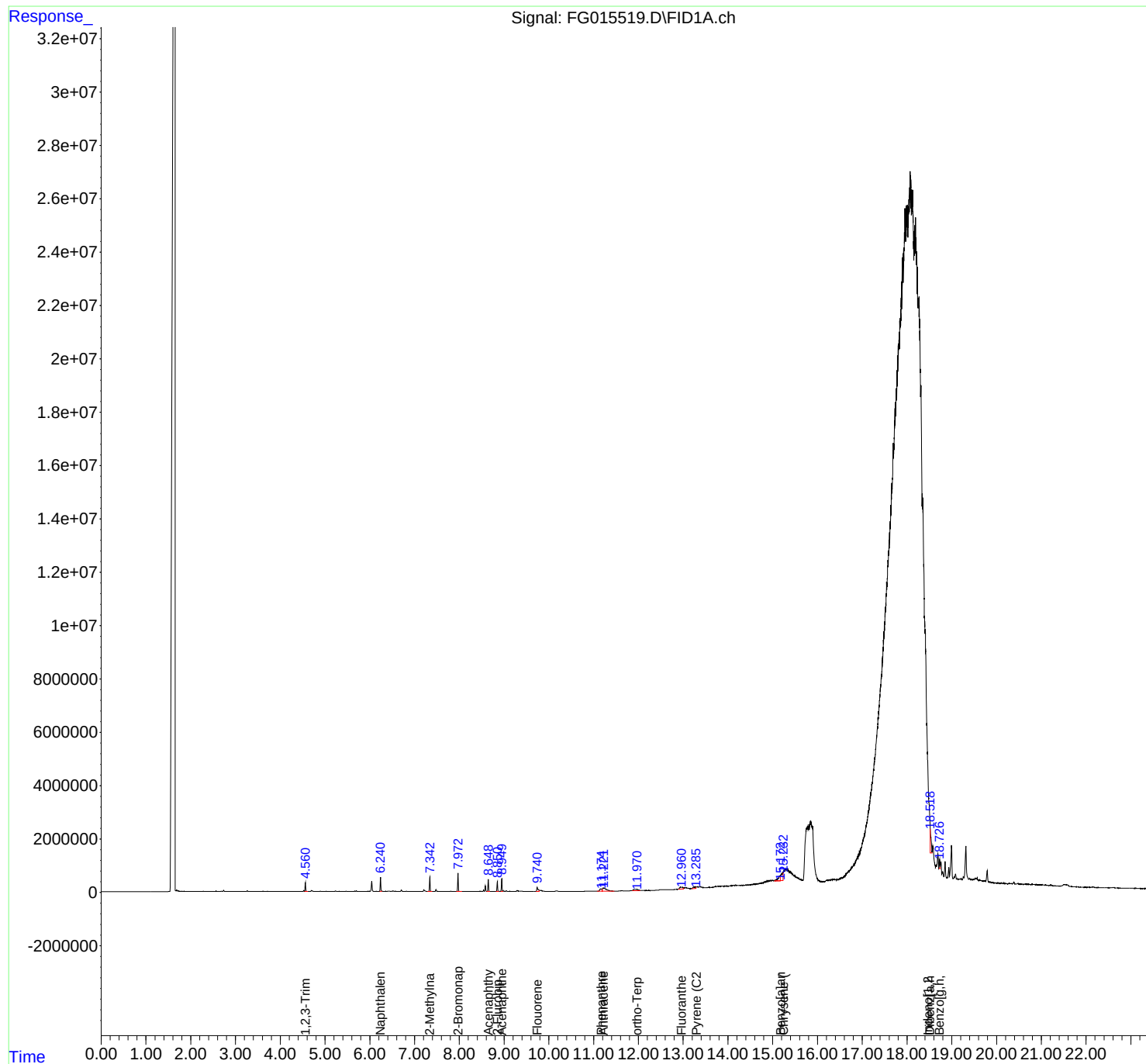
Response via : Initial Calibration

Integrator: ChemStation

Volume Inj. : 1 µl

Signal Phase : Rxi-1ms

Signal Info : 20M x 0.18mm x 0.18µm



Instrument :

FID\_G

ClientSampleId :

WC1MSD

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 03/21/2025

Supervised By :mohammad ahmed 03/24/2025

rteres

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_G\Data\FG03202  
 Data File : FG015519.D  
 Signal(s) : FID1A.ch  
 Acq On : 20 Mar 2025 15:27  
 Sample : Q1574-01MSD  
 Misc :  
 ALS Vial : 27 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID\_G\Method\Aromatic EPH 031725.M  
 Title : GC Extractables

Signal : FID1A.ch

| peak<br># | R.T.<br>min | Start<br>min | End<br>min | PK<br>TY | peak<br>height | peak<br>area | peak<br>% max. | % of<br>total |
|-----------|-------------|--------------|------------|----------|----------------|--------------|----------------|---------------|
| 1         | 4.290       | 4.276        | 4.347      | PV       | 2627           | 11986        | 0.00%          | 0.000%        |
| 2         | 4.356       | 4.347        | 4.376      | PV       | 202            | 1679         | 0.00%          | 0.000%        |
| 3         | 4.417       | 4.376        | 4.447      | PV       | 663            | 12967        | 0.00%          | 0.000%        |
| 4         | 4.466       | 4.447        | 4.499      | VV       | 1289           | 20337        | 0.00%          | 0.000%        |
| 5         | 4.526       | 4.499        | 4.541      | VV       | 42538          | 426289       | 0.01%          | 0.003%        |
| 6         | 4.561       | 4.541        | 4.622      | VV       | 335688         | 3461460      | 0.05%          | 0.027%        |
| 7         | 4.636       | 4.622        | 4.669      | VV       | 3269           | 57814        | 0.00%          | 0.000%        |
| 8         | 4.696       | 4.669        | 4.764      | VV       | 37672          | 875096       | 0.01%          | 0.007%        |
| 9         | 4.778       | 4.764        | 4.796      | VV       | 7923           | 123043       | 0.00%          | 0.001%        |
| 10        | 4.811       | 4.796        | 4.835      | VV       | 8394           | 122005       | 0.00%          | 0.001%        |
| 11        | 4.844       | 4.835        | 4.865      | VV       | 2912           | 41979        | 0.00%          | 0.000%        |
| 12        | 4.895       | 4.865        | 4.928      | VV       | 12030          | 217854       | 0.00%          | 0.002%        |
| 13        | 4.946       | 4.928        | 4.968      | VV       | 7320           | 122280       | 0.00%          | 0.001%        |
| 14        | 4.992       | 4.968        | 5.009      | VV       | 3673           | 80359        | 0.00%          | 0.001%        |
| 15        | 5.028       | 5.009        | 5.063      | VV       | 12194          | 178329       | 0.00%          | 0.001%        |
| 16        | 5.083       | 5.063        | 5.095      | VV       | 2708           | 43298        | 0.00%          | 0.000%        |
| 17        | 5.109       | 5.095        | 5.125      | VV       | 4065           | 54293        | 0.00%          | 0.000%        |
| 18        | 5.141       | 5.125        | 5.159      | VV       | 2840           | 46860        | 0.00%          | 0.000%        |
| 19        | 5.183       | 5.159        | 5.213      | VV       | 6960           | 149074       | 0.00%          | 0.001%        |
| 20        | 5.232       | 5.213        | 5.264      | VV       | 20674          | 329059       | 0.01%          | 0.003%        |
| 21        | 5.283       | 5.264        | 5.302      | VV       | 8864           | 159474       | 0.00%          | 0.001%        |
| 22        | 5.316       | 5.302        | 5.335      | VV       | 10148          | 125578       | 0.00%          | 0.001%        |
| 23        | 5.347       | 5.335        | 5.361      | VV       | 3678           | 45807        | 0.00%          | 0.000%        |
| 24        | 5.374       | 5.361        | 5.401      | VV       | 3622           | 63555        | 0.00%          | 0.000%        |
| 25        | 5.416       | 5.401        | 5.454      | VV       | 3127           | 64212        | 0.00%          | 0.000%        |
| 26        | 5.473       | 5.454        | 5.501      | VV       | 13749          | 162950       | 0.00%          | 0.001%        |
| 27        | 5.524       | 5.501        | 5.565      | VV       | 6915           | 114447       | 0.00%          | 0.001%        |
| 28        | 5.579       | 5.565        | 5.587      | VV       | 1748           | 17168        | 0.00%          | 0.000%        |
| 29        | 5.612       | 5.587        | 5.641      | VV       | 3778           | 72506        | 0.00%          | 0.001%        |
| 30        | 5.664       | 5.641        | 5.681      | VV       | 21343          | 241809       | 0.00%          | 0.002%        |
| 31        | 5.698       | 5.681        | 5.725      | VV       | 31559          | 378967       | 0.01%          | 0.003%        |
| 32        | 5.750       | 5.725        | 5.817      | VV       | 7189           | 166438       | 0.00%          | 0.001%        |
| 33        | 5.828       | 5.817        | 5.845      | VV       | 1406           | 13433        | 0.00%          | 0.000%        |
| 34        | 5.863       | 5.845        | 5.880      | PV       | 3964           | 45656        | 0.00%          | 0.000%        |
| 35        | 5.895       | 5.880        | 5.906      | VV       | 4072           | 45275        | 0.00%          | 0.000%        |
| 36        | 5.915       | 5.906        | 5.938      | VV       | 3177           | 42221        | 0.00%          | 0.000%        |

| Instrument : FID_G                       |       |       |       |    |        |         |       |        |  |
|------------------------------------------|-------|-------|-------|----|--------|---------|-------|--------|--|
| ClientSampleId : WC1MSD                  |       |       |       |    |        |         |       |        |  |
| Manual IntegrationsAPPROVED              |       |       |       |    |        |         |       |        |  |
| Reviewed By :Yogesh Patel 03/21/2025     |       |       |       |    |        |         |       |        |  |
| Supervised By :mohammad ahmed 03/24/2025 |       |       |       |    |        |         |       |        |  |
| rteres                                   |       |       |       |    |        |         |       |        |  |
| 37                                       | 5.960 | 5.938 | 5.974 | VV | 12687  | 141797  | 0.00% | 0.001% |  |
| 38                                       | 5.986 | 5.974 | 6.001 | VV | 9388   | 105439  |       |        |  |
| 39                                       | 6.044 | 6.001 | 6.107 | VV | 381769 | 4952853 |       |        |  |
| 40                                       | 6.113 | 6.107 | 6.127 | VV | 4236   | 45222   |       |        |  |
| 41                                       | 6.147 | 6.127 | 6.171 | VV | 11077  | 166907  |       |        |  |
| 42                                       | 6.207 | 6.171 | 6.216 | VV | 8664   | 167693  |       |        |  |
| 43                                       | 6.240 | 6.216 | 6.272 | VV | 534293 | 5327687 | 0.08% | 0.041% |  |
| 44                                       | 6.282 | 6.272 | 6.324 | VV | 11824  | 212039  | 0.00% | 0.002% |  |
| 45                                       | 6.351 | 6.324 | 6.366 | VV | 9430   | 135881  | 0.00% | 0.001% |  |
| 46                                       | 6.405 | 6.366 | 6.417 | VV | 11714  | 244419  | 0.00% | 0.002% |  |
| 47                                       | 6.429 | 6.417 | 6.435 | VV | 11864  | 119064  | 0.00% | 0.001% |  |
| 48                                       | 6.444 | 6.435 | 6.465 | VV | 12664  | 179410  | 0.00% | 0.001% |  |
| 49                                       | 6.514 | 6.465 | 6.555 | VV | 20282  | 654828  | 0.01% | 0.005% |  |
| 50                                       | 6.573 | 6.555 | 6.605 | VV | 11168  | 226916  | 0.00% | 0.002% |  |
| 51                                       | 6.620 | 6.605 | 6.634 | VV | 6898   | 87669   | 0.00% | 0.001% |  |
| 52                                       | 6.645 | 6.634 | 6.668 | VV | 5814   | 92832   | 0.00% | 0.001% |  |
| 53                                       | 6.706 | 6.668 | 6.757 | VV | 59192  | 884379  | 0.01% | 0.007% |  |
| 54                                       | 6.818 | 6.757 | 6.841 | VV | 11134  | 304329  | 0.00% | 0.002% |  |
| 55                                       | 6.857 | 6.841 | 6.890 | VV | 6904   | 128976  | 0.00% | 0.001% |  |
| 56                                       | 6.906 | 6.890 | 6.923 | VV | 4616   | 63896   | 0.00% | 0.000% |  |
| 57                                       | 6.934 | 6.923 | 6.952 | VV | 3035   | 32602   | 0.00% | 0.000% |  |
| 58                                       | 6.989 | 6.952 | 7.011 | VV | 6587   | 94991   | 0.00% | 0.001% |  |
| 59                                       | 7.054 | 7.011 | 7.084 | VV | 3724   | 69671   | 0.00% | 0.001% |  |
| 60                                       | 7.091 | 7.084 | 7.097 | VV | 764    | 4765    | 0.00% | 0.000% |  |
| 61                                       | 7.114 | 7.097 | 7.120 | VV | 2111   | 21282   | 0.00% | 0.000% |  |
| 62                                       | 7.144 | 7.120 | 7.176 | VV | 3851   | 74729   | 0.00% | 0.001% |  |
| 63                                       | 7.242 | 7.234 | 7.269 | VV | 23942  | 294479  | 0.00% | 0.002% |  |
| 64                                       | 7.280 | 7.269 | 7.293 | VV | 5581   | 70567   | 0.00% | 0.001% |  |
| 65                                       | 7.298 | 7.293 | 7.310 | VV | 4148   | 36795   | 0.00% | 0.000% |  |
| 66                                       | 7.342 | 7.310 | 7.415 | VV | 550580 | 5707711 | 0.09% | 0.044% |  |
| 67                                       | 7.434 | 7.415 | 7.454 | VV | 5740   | 95465   | 0.00% | 0.001% |  |
| 68                                       | 7.514 | 7.502 | 7.537 | VV | 9682   | 154040  | 0.00% | 0.001% |  |
| 69                                       | 7.541 | 7.537 | 7.586 | VV | 4742   | 82007   | 0.00% | 0.001% |  |
| 70                                       | 7.594 | 7.586 | 7.603 | VV | 1577   | 14918   | 0.00% | 0.000% |  |
| 71                                       | 7.623 | 7.603 | 7.641 | VV | 3709   | 54612   | 0.00% | 0.000% |  |
| 72                                       | 7.656 | 7.641 | 7.681 | VV | 3095   | 38011   | 0.00% | 0.000% |  |
| 73                                       | 7.691 | 7.681 | 7.699 | VV | 339    | 3238    | 0.00% | 0.000% |  |
| 74                                       | 7.731 | 7.699 | 7.767 | VV | 4200   | 69179   | 0.00% | 0.001% |  |
| 75                                       | 7.783 | 7.767 | 7.792 | VV | 942    | 9276    | 0.00% | 0.000% |  |
| 76                                       | 7.811 | 7.792 | 7.858 | VV | 16019  | 190521  | 0.00% | 0.001% |  |
| 77                                       | 7.888 | 7.858 | 7.912 | VV | 2897   | 42780   | 0.00% | 0.000% |  |
| 78                                       | 7.923 | 7.912 | 7.932 | VV | 1825   | 16351   | 0.00% | 0.000% |  |
| 79                                       | 7.972 | 7.932 | 8.029 | VV | 687064 | 6669913 | 0.10% | 0.051% |  |
| 80                                       | 8.038 | 8.029 | 8.059 | VV | 2043   | 24989   | 0.00% | 0.000% |  |
| 81                                       | 8.084 | 8.059 | 8.098 | VV | 6132   | 80663   | 0.00% | 0.001% |  |
| 82                                       | 8.104 | 8.098 | 8.134 | VV | 3252   | 42361   | 0.00% | 0.000% |  |
| 83                                       | 8.158 | 8.134 | 8.175 | VV | 1372   | 24751   | 0.00% | 0.000% |  |
| 84                                       | 8.187 | 8.175 | 8.206 | VV | 1162   | 13971   | 0.00% | 0.000% |  |
| 85                                       | 8.292 | 8.277 | 8.304 | VV | 2133   | 24250   | 0.00% | 0.000% |  |
| 86                                       | 8.316 | 8.304 | 8.324 | VV | 2109   | 21567   | 0.00% | 0.000% |  |
| 87                                       | 8.355 | 8.349 | 8.371 | VV | 6775   | 69513   | 0.00% | 0.001% |  |
| 88                                       | 8.380 | 8.371 | 8.401 | VV | 3491   | 39840   | 0.00% | 0.000% |  |
| 89                                       | 8.434 | 8.401 | 8.446 | VV | 6628   | 95340   | 0.00% | 0.001% |  |

|        |        |        |        |    |        |         | Instrument :<br>FID_G                    |        | A |
|--------|--------|--------|--------|----|--------|---------|------------------------------------------|--------|---|
|        |        |        |        |    |        |         | ClientSampleId :<br>WC1MSD               |        |   |
| rteres |        |        |        |    |        |         |                                          |        | B |
| 90     | 8.462  | 8.446  | 8.475  | VV | 13614  | 151512  | 0.00%                                    | 0.001% |   |
| 91     | 8.488  | 8.475  | 8.509  | VV | 11451  | 127781  | Manual IntegrationsAPPROVED              |        | C |
| 92     | 8.582  | 8.560  | 8.608  | VV | 221528 | 2296116 |                                          |        |   |
| 93     | 8.648  | 8.608  | 8.687  | VV | 457437 | 4758527 | Reviewed By :Yogesh Patel 03/21/2025     |        | D |
| 94     | 8.703  | 8.687  | 8.722  | VV | 3924   | 63560   | Supervised By :mohammad ahmed 03/24/2025 |        |   |
| 95     | 8.739  | 8.722  | 8.762  | VV | 4945   | 65097   |                                          |        | E |
| 96     | 8.778  | 8.762  | 8.819  | VV | 3854   | 62403   | 0.00%                                    | 0.000% |   |
| 97     | 8.850  | 8.819  | 8.887  | PV | 372405 | 3829395 | 0.06%                                    | 0.029% | F |
| 98     | 8.905  | 8.887  | 8.922  | VV | 10902  | 133565  | 0.00%                                    | 0.001% |   |
| 99     | 8.949  | 8.922  | 8.969  | VV | 484863 | 4909544 | 0.08%                                    | 0.038% | G |
| 100    | 8.978  | 8.969  | 9.004  | VV | 27270  | 346975  | 0.01%                                    | 0.003% |   |
| 101    | 9.015  | 9.004  | 9.030  | VV | 9253   | 128812  | 0.00%                                    | 0.001% | H |
| 102    | 9.052  | 9.030  | 9.080  | VV | 34674  | 460604  | 0.01%                                    | 0.004% |   |
| 103    | 9.091  | 9.080  | 9.103  | VV | 4580   | 59436   | 0.00%                                    | 0.000% | I |
| 104    | 9.122  | 9.103  | 9.162  | VV | 8134   | 165526  | 0.00%                                    | 0.001% |   |
| 105    | 9.190  | 9.162  | 9.208  | VV | 3604   | 67956   | 0.00%                                    | 0.001% | J |
| 106    | 9.225  | 9.208  | 9.253  | VV | 5672   | 85836   | 0.00%                                    | 0.001% |   |
| 107    | 9.294  | 9.253  | 9.337  | VV | 40725  | 830367  | 0.01%                                    | 0.006% |   |
| 108    | 9.346  | 9.337  | 9.380  | VV | 13256  | 307529  | 0.00%                                    | 0.002% |   |
| 109    | 9.400  | 9.380  | 9.449  | VV | 11158  | 304952  | 0.00%                                    | 0.002% |   |
| 110    | 9.464  | 9.449  | 9.501  | VV | 3711   | 70470   | 0.00%                                    | 0.001% |   |
| 111    | 9.519  | 9.501  | 9.540  | VV | 2587   | 29762   | 0.00%                                    | 0.000% |   |
| 112    | 9.552  | 9.540  | 9.590  | VV | 1474   | 22214   | 0.00%                                    | 0.000% |   |
| 113    | 9.606  | 9.590  | 9.642  | VV | 733    | 12240   | 0.00%                                    | 0.000% |   |
| 114    | 9.657  | 9.642  | 9.689  | PV | 898    | 11150   | 0.00%                                    | 0.000% |   |
| 115    | 9.740  | 9.689  | 9.942  | VV | 161192 | 5077720 | 0.08%                                    | 0.039% |   |
| 116    | 9.964  | 9.942  | 9.969  | VV | 3188   | 44081   | 0.00%                                    | 0.000% |   |
| 117    | 9.989  | 9.969  | 10.003 | VV | 3390   | 66806   | 0.00%                                    | 0.001% |   |
| 118    | 10.026 | 10.003 | 10.051 | VV | 3901   | 100073  | 0.00%                                    | 0.001% |   |
| 119    | 10.055 | 10.051 | 10.060 | VV | 3179   | 17172   | 0.00%                                    | 0.000% |   |
| 120    | 10.067 | 10.060 | 10.072 | VV | 3371   | 23739   | 0.00%                                    | 0.000% |   |
| 121    | 10.094 | 10.072 | 10.102 | VV | 3889   | 66262   | 0.00%                                    | 0.001% |   |
| 122    | 10.106 | 10.102 | 10.124 | VV | 3749   | 46974   | 0.00%                                    | 0.000% |   |
| 123    | 10.180 | 10.124 | 10.255 | VV | 17720  | 639056  | 0.01%                                    | 0.005% |   |
| 124    | 10.260 | 10.255 | 10.270 | VV | 415    | 2712    | 0.00%                                    | 0.000% |   |
| 125    | 10.297 | 10.270 | 10.307 | VV | 521    | 7563    | 0.00%                                    | 0.000% |   |
| 126    | 10.329 | 10.307 | 10.344 | VV | 484    | 7568    | 0.00%                                    | 0.000% |   |
| 127    | 10.347 | 10.344 | 10.359 | VV | 343    | 2368    | 0.00%                                    | 0.000% |   |
| 128    | 10.381 | 10.359 | 10.404 | VV | 614    | 8040    | 0.00%                                    | 0.000% |   |
| 129    | 10.524 | 10.404 | 10.531 | PV | 276    | 7261    | 0.00%                                    | 0.000% |   |
| 130    | 10.540 | 10.531 | 10.546 | PV | 255    | 1023    | 0.00%                                    | 0.000% |   |
| 131    | 10.611 | 10.546 | 10.624 | PV | 1663   | 39225   | 0.00%                                    | 0.000% |   |
| 132    | 10.627 | 10.624 | 10.650 | VV | 1671   | 21925   | 0.00%                                    | 0.000% |   |
| 133    | 10.676 | 10.650 | 10.694 | VV | 1969   | 41782   | 0.00%                                    | 0.000% |   |
| 134    | 10.699 | 10.694 | 10.716 | VV | 1370   | 14175   | 0.00%                                    | 0.000% |   |
| 135    | 10.736 | 10.716 | 10.754 | VV | 1080   | 17819   | 0.00%                                    | 0.000% |   |
| 136    | 10.761 | 10.754 | 10.767 | VV | 586    | 4028    | 0.00%                                    | 0.000% |   |
| 137    | 10.837 | 10.767 | 10.844 | VV | 3553   | 96868   | 0.00%                                    | 0.001% |   |
| 138    | 10.880 | 10.844 | 10.893 | VV | 3775   | 103756  | 0.00%                                    | 0.001% |   |
| 139    | 10.898 | 10.893 | 10.922 | VV | 3166   | 48933   | 0.00%                                    | 0.000% |   |
| 140    | 10.944 | 10.922 | 10.959 | VV | 3558   | 65713   | 0.00%                                    | 0.001% |   |
| 141    | 10.984 | 10.959 | 10.990 | VV | 3441   | 57758   | 0.00%                                    | 0.000% |   |
|        |        |        |        |    |        |         |                                          |        |   |

| rteres |        |        |        |    |        |         |       |        |  |
|--------|--------|--------|--------|----|--------|---------|-------|--------|--|
| 142    | 11.003 | 10.990 | 11.032 | VV | 3181   | 68584   | 0.00% | 0.001% |  |
| 143    | 11.060 | 11.032 | 11.089 | VV | 2117   | 59904   |       |        |  |
| 144    | 11.159 | 11.089 | 11.163 | VV | 85464  | 1578948 |       |        |  |
| 145    | 11.169 | 11.163 | 11.192 | VV | 86208  | 1421025 |       |        |  |
| 146    | 11.222 | 11.192 | 11.411 | VV | 123970 | 7496312 |       |        |  |
| 147    | 11.418 | 11.411 | 11.478 | VV | 3400   | 78607   |       |        |  |
| 148    | 11.487 | 11.478 | 11.495 | PV | 450    | 2359    | 0.00% | 0.000% |  |
| 149    | 11.504 | 11.495 | 11.512 | PV | 333    | 1714    | 0.00% | 0.000% |  |
| 150    | 11.636 | 11.512 | 11.694 | VV | 16720  | 628565  | 0.01% | 0.005% |  |
| 151    | 11.699 | 11.694 | 11.704 | VV | 489    | 2033    | 0.00% | 0.000% |  |
| 152    | 11.781 | 11.704 | 11.785 | PV | 4673   | 85654   | 0.00% | 0.001% |  |
| 153    | 11.832 | 11.785 | 11.837 | VV | 6880   | 170140  | 0.00% | 0.001% |  |
| 154    | 11.844 | 11.837 | 11.850 | VV | 7185   | 50185   | 0.00% | 0.000% |  |
| 155    | 11.851 | 11.850 | 11.862 | VV | 6398   | 41903   | 0.00% | 0.000% |  |
| 156    | 11.903 | 11.862 | 11.914 | VV | 52043  | 1120697 | 0.02% | 0.009% |  |
| 157    | 11.928 | 11.914 | 11.934 | VV | 53389  | 607332  | 0.01% | 0.005% |  |
| 158    | 11.951 | 11.934 | 11.957 | VV | 54366  | 726113  | 0.01% | 0.006% |  |
| 159    | 11.964 | 11.957 | 12.085 | VV | 56559  | 1970858 | 0.03% | 0.015% |  |
| 160    | 12.102 | 12.085 | 12.107 | VV | 7651   | 93870   | 0.00% | 0.001% |  |
| 161    | 12.111 | 12.107 | 12.164 | VV | 6986   | 157824  | 0.00% | 0.001% |  |
| 162    | 12.169 | 12.164 | 12.182 | VV | 2693   | 23548   | 0.00% | 0.000% |  |
| 163    | 12.185 | 12.182 | 12.194 | VV | 1957   | 9580    | 0.00% | 0.000% |  |
| 164    | 12.198 | 12.194 | 12.202 | VV | 1523   | 5752    | 0.00% | 0.000% |  |
| 165    | 12.206 | 12.202 | 12.217 | VV | 851    | 4281    | 0.00% | 0.000% |  |
| 166    | 12.238 | 12.217 | 12.252 | PV | 1263   | 11268   | 0.00% | 0.000% |  |
| 167    | 12.342 | 12.252 | 12.359 | PV | 2852   | 145017  | 0.00% | 0.001% |  |
| 168    | 12.381 | 12.359 | 12.402 | VV | 2670   | 49660   | 0.00% | 0.000% |  |
| 169    | 12.506 | 12.402 | 12.512 | VV | 20036  | 635110  | 0.01% | 0.005% |  |
| 170    | 12.517 | 12.512 | 12.522 | VV | 20207  | 115905  | 0.00% | 0.001% |  |
| 171    | 12.526 | 12.522 | 12.531 | VV | 19839  | 104755  | 0.00% | 0.001% |  |
| 172    | 12.536 | 12.531 | 12.544 | VV | 18757  | 141507  | 0.00% | 0.001% |  |
| 173    | 12.551 | 12.544 | 12.589 | VV | 16831  | 376347  | 0.01% | 0.003% |  |
| 174    | 12.595 | 12.589 | 12.612 | VV | 11121  | 140508  | 0.00% | 0.001% |  |
| 175    | 12.627 | 12.612 | 12.687 | VV | 11695  | 320992  | 0.01% | 0.002% |  |
| 176    | 12.718 | 12.687 | 12.723 | VV | 2875   | 40384   | 0.00% | 0.000% |  |
| 177    | 12.728 | 12.723 | 12.739 | VV | 1813   | 9866    | 0.00% | 0.000% |  |
| 178    | 12.773 | 12.739 | 12.777 | PV | 1402   | 5624    | 0.00% | 0.000% |  |
| 179    | 12.814 | 12.777 | 12.833 | PV | 6760   | 133380  | 0.00% | 0.001% |  |
| 180    | 12.877 | 12.833 | 12.894 | VV | 9608   | 253235  | 0.00% | 0.002% |  |
| 181    | 12.960 | 12.894 | 13.027 | VV | 82134  | 4838234 | 0.08% | 0.037% |  |
| 182    | 13.037 | 13.027 | 13.044 | VV | 53865  | 511313  | 0.01% | 0.004% |  |
| 183    | 13.051 | 13.044 | 13.066 | VV | 52936  | 645824  | 0.01% | 0.005% |  |
| 184    | 13.071 | 13.066 | 13.075 | VV | 46158  | 266407  | 0.00% | 0.002% |  |
| 185    | 13.077 | 13.075 | 13.167 | VV | 46538  | 1456469 | 0.02% | 0.011% |  |
| 186    | 13.175 | 13.167 | 13.190 | VV | 14064  | 160819  | 0.00% | 0.001% |  |
| 187    | 13.232 | 13.190 | 13.244 | VV | 63505  | 1453751 | 0.02% | 0.011% |  |
| 188    | 13.258 | 13.244 | 13.274 | VV | 64103  | 1101482 | 0.02% | 0.008% |  |
| 189    | 13.277 | 13.274 | 13.281 | VV | 61788  | 241008  | 0.00% | 0.002% |  |
| 190    | 13.317 | 13.281 | 13.333 | VV | 66558  | 1955492 | 0.03% | 0.015% |  |
| 191    | 13.337 | 13.333 | 13.342 | VV | 62439  | 337040  | 0.01% | 0.003% |  |
| 192    | 13.345 | 13.342 | 13.350 | VV | 59044  | 294859  | 0.00% | 0.002% |  |
| 193    | 13.370 | 13.350 | 13.377 | VV | 62316  | 969524  | 0.02% | 0.007% |  |
| 194    | 13.384 | 13.377 | 13.421 | VV | 60909  | 1391298 | 0.02% | 0.011% |  |

Instrument :

FID\_G

ClientSampleId :

WC1MSD

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 03/21/2025

Supervised By :mohammad ahmed 03/24/2025

|        |        |        |        |    |          |            | Instrument :<br>FID_G                    |         | A |
|--------|--------|--------|--------|----|----------|------------|------------------------------------------|---------|---|
|        |        |        |        |    |          |            | ClientSampleId :<br>WC1MSD               |         |   |
| rteres |        |        |        |    |          |            |                                          |         | B |
| 195    | 13.425 | 13.421 | 13.448 | VV | 44484    | 584156     | 0.01%                                    | 0.004%  |   |
| 196    | 13.451 | 13.448 | 13.490 | VV | 28397    | 609847     | Manual IntegrationsAPPROVED              |         | C |
| 197    | 13.496 | 13.490 | 13.500 | VV | 23011    | 129427     |                                          |         |   |
| 198    | 13.564 | 13.500 | 13.570 | VV | 28072    | 979124     | Reviewed By :Yogesh Patel 03/21/2025     |         | D |
| 199    | 13.575 | 13.570 | 13.611 | VV | 29739    | 645445     | Supervised By :mohammad ahmed 03/24/2025 |         |   |
| 200    | 13.616 | 13.611 | 13.624 | VV | 23321    | 163838     |                                          |         | E |
| 201    | 13.633 | 13.624 | 13.659 | VV | 25052    | 472638     | 0.01%                                    | 0.004%  |   |
| 202    | 13.724 | 13.659 | 13.734 | VV | 52403    | 1665950    | 0.03%                                    | 0.013%  | F |
| 203    | 13.743 | 13.734 | 13.750 | VV | 51787    | 493122     | 0.01%                                    | 0.004%  |   |
| 204    | 13.768 | 13.750 | 13.777 | VV | 53618    | 796212     | 0.01%                                    | 0.006%  | G |
| 205    | 13.792 | 13.777 | 13.797 | VV | 54471    | 614871     | 0.01%                                    | 0.005%  |   |
| 206    | 13.804 | 13.797 | 13.813 | VV | 55539    | 536542     | 0.01%                                    | 0.004%  | H |
| 207    | 13.819 | 13.813 | 13.826 | VV | 57648    | 410249     | 0.01%                                    | 0.003%  |   |
| 208    | 13.832 | 13.826 | 13.836 | VV | 53242    | 288978     | 0.00%                                    | 0.002%  | I |
| 209    | 13.842 | 13.836 | 13.859 | VV | 53896    | 713531     | 0.01%                                    | 0.005%  |   |
| 210    | 13.874 | 13.859 | 13.919 | VV | 52665    | 1761024    | 0.03%                                    | 0.013%  | J |
| 211    | 13.932 | 13.919 | 13.949 | VV | 50225    | 842150     | 0.01%                                    | 0.006%  |   |
| 212    | 13.959 | 13.949 | 13.970 | VV | 47578    | 594088     | 0.01%                                    | 0.005%  |   |
| 213    | 13.986 | 13.970 | 13.994 | VV | 49242    | 661031     | 0.01%                                    | 0.005%  |   |
| 214    | 14.002 | 13.994 | 14.007 | VV | 49490    | 381793     | 0.01%                                    | 0.003%  |   |
| 215    | 14.013 | 14.007 | 14.047 | VV | 51618    | 1121331    | 0.02%                                    | 0.009%  |   |
| 216    | 14.172 | 14.047 | 14.182 | VV | 67744    | 4636652    | 0.07%                                    | 0.036%  |   |
| 217    | 14.197 | 14.182 | 14.205 | VV | 57304    | 807432     | 0.01%                                    | 0.006%  |   |
| 218    | 14.214 | 14.205 | 14.244 | VV | 55411    | 1221971    | 0.02%                                    | 0.009%  |   |
| 219    | 14.249 | 14.244 | 14.260 | VV | 55063    | 513671     | 0.01%                                    | 0.004%  |   |
| 220    | 14.266 | 14.260 | 14.280 | VV | 53204    | 601228     | 0.01%                                    | 0.005%  |   |
| 221    | 14.298 | 14.280 | 14.325 | VV | 53711    | 1347098    | 0.02%                                    | 0.010%  |   |
| 222    | 14.332 | 14.325 | 14.352 | VV | 54125    | 790256     | 0.01%                                    | 0.006%  |   |
| 223    | 14.395 | 14.352 | 14.410 | VV | 54811    | 1769129    | 0.03%                                    | 0.014%  |   |
| 224    | 14.423 | 14.410 | 14.433 | VV | 58364    | 733590     | 0.01%                                    | 0.006%  |   |
| 225    | 14.495 | 14.433 | 14.509 | VV | 59917    | 2535491    | 0.04%                                    | 0.019%  |   |
| 226    | 14.577 | 14.509 | 14.589 | VV | 70054    | 3127200    | 0.05%                                    | 0.024%  |   |
| 227    | 14.875 | 14.589 | 14.883 | VV | 170598   | 18498716   | 0.29%                                    | 0.142%  |   |
| 228    | 14.961 | 14.883 | 14.984 | VV | 186871   | 10666940   | 0.17%                                    | 0.082%  |   |
| 229    | 14.994 | 14.984 | 15.037 | VV | 190553   | 5665115    | 0.09%                                    | 0.043%  |   |
| 230    | 15.306 | 15.037 | 15.480 | VV | 595164   | 106497902  | 1.67%                                    | 0.816%  |   |
| 231    | 15.488 | 15.480 | 15.670 | VV | 328439   | 25730010   | 0.40%                                    | 0.197%  |   |
| 232    | 15.790 | 15.670 | 15.800 | VV | 2161514  | 113016653  | 1.77%                                    | 0.865%  |   |
| 233    | 15.807 | 15.800 | 15.816 | VV | 2222653  | 20367526   | 0.32%                                    | 0.156%  |   |
| 234    | 15.840 | 15.816 | 16.109 | VV | 2339611  | 152301497  | 2.38%                                    | 1.166%  |   |
| 235    | 16.117 | 16.109 | 16.150 | VV | 61828    | 1461232    | 0.02%                                    | 0.011%  |   |
| 236    | 16.202 | 16.150 | 16.217 | VV | 106658   | 3183655    | 0.05%                                    | 0.024%  |   |
| 237    | 16.242 | 16.217 | 16.254 | VV | 112159   | 2274414    | 0.04%                                    | 0.017%  |   |
| 238    | 16.312 | 16.254 | 16.326 | VV | 122741   | 4983785    | 0.08%                                    | 0.038%  |   |
| 239    | 16.341 | 16.326 | 16.359 | VV | 133498   | 2424515    | 0.04%                                    | 0.019%  |   |
| 240    | 16.367 | 16.359 | 16.395 | VV | 124259   | 2568435    | 0.04%                                    | 0.020%  |   |
| 241    | 17.953 | 16.395 | 17.969 | VV | 24811876 | 6387937489 | 100.00%                                  | 48.919% |   |
| 242    | 17.993 | 17.969 | 18.020 | VV | 25156188 | 752595732  | 11.78%                                   | 5.763%  |   |
| 243    | 18.070 | 18.020 | 18.115 | VV | 26389775 | 1462964504 | 22.90%                                   | 11.203% |   |
| 244    | 18.122 | 18.115 | 18.150 | VV | 25365417 | 506982588  | 7.94%                                    | 3.882%  |   |
| 245    | 18.171 | 18.150 | 18.180 | VV | 24250197 | 441499042  | 6.91%                                    | 3.381%  |   |
| 246    | 18.189 | 18.180 | 18.560 | VV | 24610414 | 2802977700 | 43.88%                                   | 21.465% |   |

|                                     |        |        |        |     |         |          |       |        |  |
|-------------------------------------|--------|--------|--------|-----|---------|----------|-------|--------|--|
| rteres                              |        |        |        |     |         |          |       |        |  |
| 247                                 | 18.580 | 18.560 | 18.657 | VV  | 1190013 | 42873407 | 0.67% | 0.328% |  |
| 248                                 | 18.689 | 18.657 | 18.709 | VV  | 918016  | 20037690 |       |        |  |
| 249                                 | 18.725 | 18.709 | 18.738 | VV  | 700916  | 9633447  |       |        |  |
| 250                                 | 18.752 | 18.738 | 18.778 | VV  | 572995  | 10439381 |       |        |  |
| 251                                 | 18.796 | 18.778 | 18.821 | VV  | 240309  | 4089124  |       |        |  |
| 252                                 | 18.850 | 18.821 | 18.902 | VV  | 616690  | 8544596  |       |        |  |
| 253                                 | 18.933 | 18.902 | 18.949 | PV  | 359812  | 4016314  | 0.06% | 0.031% |  |
| 254                                 | 18.993 | 18.949 | 19.000 | PBA | 397651  | 4398185  | 0.07% | 0.034% |  |
| Sum of corrected areas: 13058286193 |        |        |        |     |         |          |       |        |  |

Instrument :

FID\_G

ClientSampleId :

WC1MSD

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 03/21/2025

Supervised By :mohammad ahmed 03/24/2025

Aromatic EPH 031725.M Fri Mar 21 06:59:19 2025



Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_F\Data\FF032025AL\  
 Data File : FF015702.D  
 Signal(s) : FID2B.ch  
 Acq On : 20 Mar 2025 15:27  
 Operator : YP\AJ  
 Sample : Q1574-01MSD  
 Misc :  
 ALS Vial : 77 Sample Multiplier: 1

## Instrument :

FID\_F

ClientSampleId :

WC1MSD

## Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 03/21/2025

Supervised By :mohammad ahmed 03/24/2025

Integration File: autoint1.e

Quant Time: Mar 21 02:47:08 2025

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_F\Method\Aliphatic EPH 031725.M

Quant Title : GC Extractables

QLast Update : Tue Mar 18 02:31:19 2025

Response via : Initial Calibration

Integrator: ChemStation

Volume Inj. : 1 ul

Signal Phase : Rxi-1ms

Signal Info : 20M x 0.18mm x 0.18um

| Compound                       | R.T.   | Response   | Conc Units    |
|--------------------------------|--------|------------|---------------|
| -----                          |        |            |               |
| System Monitoring Compounds    |        |            |               |
| 12) S 1-chlorooctadecane (S... | 13.382 | 5096779    | 44.908 ug/mlm |
| Spiked Amount 50.000           |        | Recovery = | 89.82%        |
| Target Compounds               |        |            |               |
| 1) T n-Nonane (C9)             | 3.310  | 2327332    | 18.374 ug/ml  |
| 2) T n-Decane (C10)            | 4.567  | 3083883    | 24.015 ug/ml  |
| 4) T n-Dodecane (C12)          | 6.735  | 4220901    | 32.389 ug/ml  |
| 6) T n-Tetradecane (C14)       | 8.563  | 4694556    | 36.250 ug/ml  |
| 7) T n-Hexadecane (C16)        | 10.171 | 4850153    | 36.270 ug/ml  |
| 8) T n-Octadecane (C18)        | 11.615 | 5174320    | 37.576 ug/ml  |
| 10) T n-Eicosane (C20)         | 12.933 | 5422010    | 40.231 ug/ml  |
| 11) T n-Heneicosane (C21)      | 13.551 | 4555680    | 34.088 ug/mlm |
| 13) T n-Docosane (C22)         | 14.144 | 5094130    | 38.068 ug/mlm |
| 14) T n-Tetracosane (C24)      | 15.257 | 7495982    | 55.993 ug/mlm |
| 15) T n-Hexacosane (C26)       | 16.288 | 4717343    | 36.068 ug/mlm |
| 16) T n-Octacosane (C28)       | 17.249 | 5273780    | 40.371 ug/mlm |
| 17) T n-Tricontane (C30)       | 18.134 | 4598957    | 34.104 ug/mlm |
| 18) T n-Dotriacontane (C32)    | 18.957 | 5073117    | 38.903 ug/mlm |
| 19) T n-Tetratriacontane (C34) | 19.740 | 5991219    | 51.325 ug/ml  |
| 20) T n-Hexatriacontane (C36)  | 20.473 | 3788925    | 38.168 ug/mlm |
| 21) T n-Octatriacontane (C38)  | 21.211 | 4841368    | 55.411 ug/ml  |
| 22) T n-Tetracontane (C40)     | 22.129 | 4686347    | 58.394 ug/ml  |
| -----                          |        |            |               |

(f)=RT Delta &gt; 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_F\Data\FF032025AL\  
Data File : FF015702.D  
Signal(s) : FID2B.ch  
Acq On : 20 Mar 2025 15:27  
Operator : YP\AJ  
Sample : Q1574-01MSD  
Misc :  
ALS Vial : 77 Sample Multiplier: 1

## Instrument :

FID\_F

## ClientSampleId :

WC1MSD

## Manual Integrations

## APPROVED

Reviewed By :Yogesh Patel 03/21/2025

Supervised By :mohammad ahmed 03/24/2025

Integration File: autoint1.e

Quant Time: Mar 21 02:47:08 2025

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_F\Method\Aliphatic EPH 031725.M

Quant Title : GC Extractables

QLast Update : Tue Mar 18 02:31:19 2025

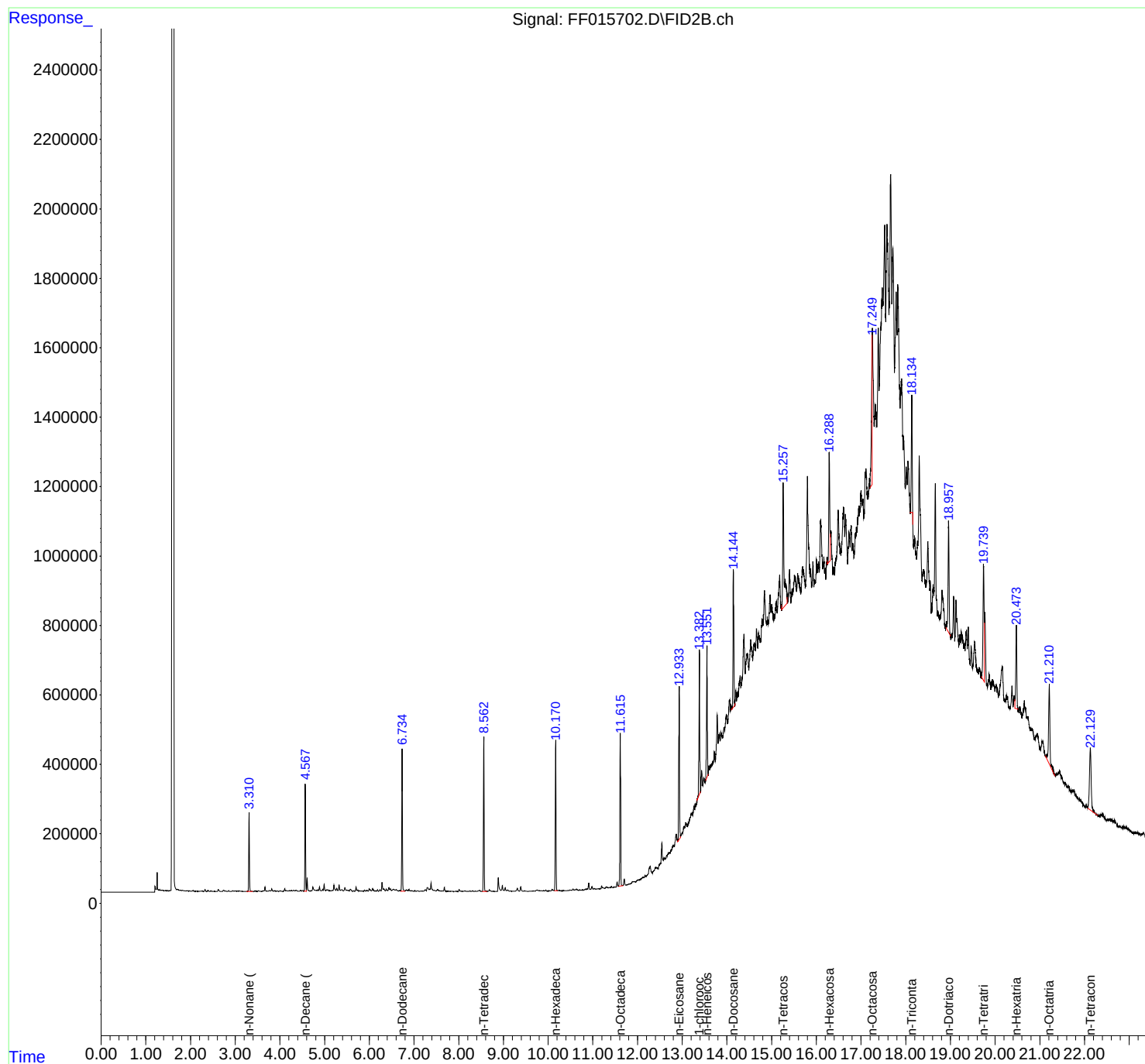
Response via : Initial Calibration

Integrator: ChemStation

Volume Inj. : 1 ul

Signal Phase : Rxi-1ms

Signal Info : 20M x 0.18mm x 0.18um



rteres

Instrument :

FID\_F

ClientSampleId :

WC1MSD

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 03/21/2025

Supervised By :mohammad ahmed 03/24/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_F\Data\FF03202  
 Data File : FF015702.D  
 Signal(s) : FID2B.ch  
 Acq On : 20 Mar 2025 15:27  
 Sample : Q1574-01MSD  
 Misc :  
 ALS Vial : 77 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID\_F\Method\Aliphatic EPH 031725.M  
 Title : GC Extractables

Signal : FID2B.ch

| peak<br># | R.T.<br>min | Start<br>min | End<br>min | PK<br>TY | peak<br>height | peak<br>area | peak<br>% max. | % of<br>total |
|-----------|-------------|--------------|------------|----------|----------------|--------------|----------------|---------------|
| 1         | 2.850       | 2.801        | 2.908      | BV       | 1658           | 19491        | 0.02%          | 0.001%        |
| 2         | 2.946       | 2.908        | 2.963      | PV       | 2144           | 37355        | 0.03%          | 0.001%        |
| 3         | 2.978       | 2.963        | 2.991      | VV       | 1312           | 19621        | 0.02%          | 0.001%        |
| 4         | 3.009       | 2.991        | 3.034      | VV       | 1555           | 28791        | 0.03%          | 0.001%        |
| 5         | 3.056       | 3.034        | 3.068      | VV       | 1313           | 20460        | 0.02%          | 0.001%        |
| 6         | 3.090       | 3.068        | 3.106      | VV       | 1652           | 28318        | 0.03%          | 0.001%        |
| 7         | 3.118       | 3.106        | 3.148      | VV       | 1013           | 18214        | 0.02%          | 0.000%        |
| 8         | 3.165       | 3.148        | 3.211      | VV       | 624            | 11773        | 0.01%          | 0.000%        |
| 9         | 3.235       | 3.211        | 3.255      | PV       | 370            | 4320         | 0.00%          | 0.000%        |
| 10        | 3.310       | 3.255        | 3.395      | VV       | 227008         | 2347578      | 2.11%          | 0.062%        |
| 11        | 3.455       | 3.395        | 3.472      | VV       | 1204           | 34261        | 0.03%          | 0.001%        |
| 12        | 3.484       | 3.472        | 3.500      | VV       | 820            | 10361        | 0.01%          | 0.000%        |
| 13        | 3.521       | 3.500        | 3.545      | VV       | 2553           | 38018        | 0.03%          | 0.001%        |
| 14        | 3.553       | 3.545        | 3.581      | VV       | 1078           | 17350        | 0.02%          | 0.000%        |
| 15        | 3.594       | 3.581        | 3.606      | VV       | 611            | 7833         | 0.01%          | 0.000%        |
| 16        | 3.629       | 3.606        | 3.645      | VV       | 2059           | 31800        | 0.03%          | 0.001%        |
| 17        | 3.667       | 3.645        | 3.722      | VV       | 13068          | 173175       | 0.16%          | 0.005%        |
| 18        | 3.731       | 3.722        | 3.740      | VV       | 885            | 8854         | 0.01%          | 0.000%        |
| 19        | 3.762       | 3.740        | 3.786      | VV       | 3184           | 53026        | 0.05%          | 0.001%        |
| 20        | 3.818       | 3.786        | 3.854      | VV       | 7909           | 124756       | 0.11%          | 0.003%        |
| 21        | 3.871       | 3.854        | 3.898      | VV       | 2348           | 43918        | 0.04%          | 0.001%        |
| 22        | 3.904       | 3.898        | 3.928      | VV       | 1359           | 20478        | 0.02%          | 0.001%        |
| 23        | 3.947       | 3.928        | 3.975      | VV       | 1956           | 32602        | 0.03%          | 0.001%        |
| 24        | 4.006       | 3.975        | 4.058      | VV       | 2145           | 57632        | 0.05%          | 0.002%        |
| 25        | 4.108       | 4.058        | 4.127      | VV       | 8659           | 115832       | 0.10%          | 0.003%        |
| 26        | 4.142       | 4.127        | 4.177      | VV       | 3030           | 62590        | 0.06%          | 0.002%        |
| 27        | 4.217       | 4.177        | 4.238      | VV       | 2733           | 73941        | 0.07%          | 0.002%        |
| 28        | 4.259       | 4.238        | 4.283      | VV       | 3567           | 61506        | 0.06%          | 0.002%        |
| 29        | 4.309       | 4.283        | 4.331      | VV       | 4029           | 77941        | 0.07%          | 0.002%        |
| 30        | 4.366       | 4.331        | 4.418      | VV       | 3839           | 114920       | 0.10%          | 0.003%        |
| 31        | 4.462       | 4.418        | 4.487      | VV       | 4044           | 77934        | 0.07%          | 0.002%        |
| 32        | 4.509       | 4.487        | 4.536      | VV       | 3283           | 62069        | 0.06%          | 0.002%        |
| 33        | 4.567       | 4.536        | 4.592      | VV       | 309438         | 3128071      | 2.81%          | 0.082%        |
| 34        | 4.609       | 4.592        | 4.668      | VV       | 39546          | 472219       | 0.42%          | 0.012%        |
| 35        | 4.688       | 4.668        | 4.711      | VV       | 2279           | 48090        | 0.04%          | 0.001%        |
| 36        | 4.739       | 4.711        | 4.805      | VV       | 12940          | 310757       | 0.28%          | 0.008%        |

| Instrument : FID_F                       |       |       |       |    |        |         |       |        |  |
|------------------------------------------|-------|-------|-------|----|--------|---------|-------|--------|--|
| ClientSampleId : WC1MSD                  |       |       |       |    |        |         |       |        |  |
| Manual IntegrationsAPPROVED              |       |       |       |    |        |         |       |        |  |
| Reviewed By :Yogesh Patel 03/21/2025     |       |       |       |    |        |         |       |        |  |
| Supervised By :mohammad ahmed 03/24/2025 |       |       |       |    |        |         |       |        |  |
| rteres                                   |       |       |       |    |        |         |       |        |  |
| 37                                       | 4.817 | 4.805 | 4.834 | VV | 3703   | 54356   | 0.05% | 0.001% |  |
| 38                                       | 4.851 | 4.834 | 4.866 | VV | 5469   | 72018   |       |        |  |
| 39                                       | 4.886 | 4.866 | 4.919 | VV | 13697  | 194550  |       |        |  |
| 40                                       | 4.927 | 4.919 | 4.937 | VV | 2496   | 25733   |       |        |  |
| 41                                       | 4.957 | 4.937 | 4.970 | VV | 6418   | 84224   |       |        |  |
| 42                                       | 4.990 | 4.970 | 5.020 | VV | 20859  | 273522  |       |        |  |
| 43                                       | 5.049 | 5.020 | 5.062 | VV | 5438   | 101156  | 0.09% | 0.003% |  |
| 44                                       | 5.074 | 5.062 | 5.103 | VV | 5326   | 90437   | 0.08% | 0.002% |  |
| 45                                       | 5.121 | 5.103 | 5.137 | VV | 2698   | 46834   | 0.04% | 0.001% |  |
| 46                                       | 5.154 | 5.137 | 5.164 | VV | 2542   | 36453   | 0.03% | 0.001% |  |
| 47                                       | 5.210 | 5.164 | 5.251 | VV | 18986  | 357523  | 0.32% | 0.009% |  |
| 48                                       | 5.271 | 5.251 | 5.298 | VV | 9822   | 158219  | 0.14% | 0.004% |  |
| 49                                       | 5.325 | 5.298 | 5.352 | VV | 19296  | 277505  | 0.25% | 0.007% |  |
| 50                                       | 5.369 | 5.352 | 5.378 | VV | 4781   | 65387   | 0.06% | 0.002% |  |
| 51                                       | 5.391 | 5.378 | 5.421 | VV | 5121   | 98734   | 0.09% | 0.003% |  |
| 52                                       | 5.454 | 5.421 | 5.484 | VV | 10937  | 213366  | 0.19% | 0.006% |  |
| 53                                       | 5.496 | 5.484 | 5.510 | VV | 3938   | 57124   | 0.05% | 0.002% |  |
| 54                                       | 5.521 | 5.510 | 5.550 | VV | 3913   | 69205   | 0.06% | 0.002% |  |
| 55                                       | 5.575 | 5.550 | 5.623 | VV | 6398   | 162604  | 0.15% | 0.004% |  |
| 56                                       | 5.644 | 5.623 | 5.662 | VV | 2725   | 36974   | 0.03% | 0.001% |  |
| 57                                       | 5.705 | 5.662 | 5.728 | VV | 12855  | 184665  | 0.17% | 0.005% |  |
| 58                                       | 5.743 | 5.728 | 5.766 | VV | 4700   | 67562   | 0.06% | 0.002% |  |
| 59                                       | 5.783 | 5.766 | 5.815 | VV | 2153   | 44899   | 0.04% | 0.001% |  |
| 60                                       | 5.827 | 5.815 | 5.843 | VV | 1824   | 24898   | 0.02% | 0.001% |  |
| 61                                       | 5.854 | 5.843 | 5.867 | VV | 1456   | 16901   | 0.02% | 0.000% |  |
| 62                                       | 5.891 | 5.867 | 5.918 | VV | 3583   | 68257   | 0.06% | 0.002% |  |
| 63                                       | 5.934 | 5.918 | 5.978 | VV | 2774   | 75335   | 0.07% | 0.002% |  |
| 64                                       | 5.999 | 5.978 | 6.047 | VV | 8066   | 176040  | 0.16% | 0.005% |  |
| 65                                       | 6.074 | 6.047 | 6.122 | VV | 8852   | 177048  | 0.16% | 0.005% |  |
| 66                                       | 6.137 | 6.122 | 6.162 | VV | 2535   | 43275   | 0.04% | 0.001% |  |
| 67                                       | 6.182 | 6.162 | 6.206 | VV | 5032   | 67851   | 0.06% | 0.002% |  |
| 68                                       | 6.238 | 6.206 | 6.261 | VV | 5109   | 87575   | 0.08% | 0.002% |  |
| 69                                       | 6.285 | 6.261 | 6.358 | VV | 26423  | 501928  | 0.45% | 0.013% |  |
| 70                                       | 6.380 | 6.358 | 6.414 | VV | 7175   | 136500  | 0.12% | 0.004% |  |
| 71                                       | 6.439 | 6.414 | 6.457 | VV | 12054  | 188832  | 0.17% | 0.005% |  |
| 72                                       | 6.471 | 6.457 | 6.496 | VV | 7841   | 132795  | 0.12% | 0.004% |  |
| 73                                       | 6.535 | 6.496 | 6.582 | VV | 6620   | 249974  | 0.22% | 0.007% |  |
| 74                                       | 6.602 | 6.582 | 6.642 | VV | 6100   | 148375  | 0.13% | 0.004% |  |
| 75                                       | 6.682 | 6.642 | 6.703 | VV | 2886   | 85683   | 0.08% | 0.002% |  |
| 76                                       | 6.735 | 6.703 | 6.800 | VV | 410046 | 4295921 | 3.86% | 0.113% |  |
| 77                                       | 6.822 | 6.800 | 6.836 | VV | 4347   | 64873   | 0.06% | 0.002% |  |
| 78                                       | 6.851 | 6.836 | 6.869 | VV | 4735   | 72151   | 0.06% | 0.002% |  |
| 79                                       | 6.887 | 6.869 | 6.911 | VV | 6738   | 98334   | 0.09% | 0.003% |  |
| 80                                       | 6.923 | 6.911 | 6.948 | VV | 2738   | 51614   | 0.05% | 0.001% |  |
| 81                                       | 6.960 | 6.948 | 6.988 | VV | 2831   | 43172   | 0.04% | 0.001% |  |
| 82                                       | 7.022 | 6.988 | 7.045 | VV | 3300   | 57708   | 0.05% | 0.002% |  |
| 83                                       | 7.065 | 7.045 | 7.081 | VV | 1782   | 29689   | 0.03% | 0.001% |  |
| 84                                       | 7.092 | 7.081 | 7.114 | VV | 1930   | 27472   | 0.02% | 0.001% |  |
| 85                                       | 7.163 | 7.114 | 7.176 | VV | 1721   | 40254   | 0.04% | 0.001% |  |
| 86                                       | 7.189 | 7.176 | 7.211 | VV | 1428   | 24288   | 0.02% | 0.001% |  |
| 87                                       | 7.247 | 7.211 | 7.277 | VV | 5096   | 123706  | 0.11% | 0.003% |  |
| 88                                       | 7.301 | 7.277 | 7.336 | VV | 12139  | 304479  | 0.27% | 0.008% |  |
| 89                                       | 7.352 | 7.336 | 7.365 | VV | 7550   | 113475  | 0.10% | 0.003% |  |

|        |        |        |        |    |        |         | Instrument :<br>FID_F                                                            |        | A |
|--------|--------|--------|--------|----|--------|---------|----------------------------------------------------------------------------------|--------|---|
|        |        |        |        |    |        |         | ClientSampleId :<br>WC1MSD                                                       |        |   |
| rteres |        |        |        |    |        |         | 0.37% 0.011%                                                                     |        | B |
| 90     | 7.382  | 7.365  | 7.430  | VV | 24645  | 408412  | Manual IntegrationsAPPROVED                                                      |        | C |
| 91     | 7.451  | 7.430  | 7.495  | VV | 4246   | 115486  |                                                                                  |        | D |
| 92     | 7.534  | 7.495  | 7.607  | VV | 5103   | 188882  |                                                                                  |        | E |
| 93     | 7.623  | 7.607  | 7.654  | VV | 1684   | 42773   |                                                                                  |        | F |
| 94     | 7.680  | 7.654  | 7.728  | VV | 12143  | 161036  | Reviewed By :Yogesh Patel 03/21/2025<br>Supervised By :mohammad ahmed 03/24/2025 |        | G |
| 95     | 7.740  | 7.728  | 7.758  | VV | 898    | 14373   |                                                                                  |        | H |
| 96     | 7.772  | 7.758  | 7.797  | VV | 1300   | 22558   | 0.02%                                                                            | 0.001% | I |
| 97     | 7.812  | 7.797  | 7.828  | VV | 794    | 12347   | 0.01%                                                                            | 0.000% | J |
| 98     | 7.855  | 7.828  | 7.879  | VV | 1426   | 24387   | 0.02%                                                                            | 0.001% |   |
| 99     | 7.896  | 7.879  | 7.908  | VV | 515    | 6149    | 0.01%                                                                            | 0.000% |   |
| 100    | 7.917  | 7.908  | 7.927  | VV | 646    | 6240    | 0.01%                                                                            | 0.000% |   |
| 101    | 7.943  | 7.927  | 7.981  | VV | 1529   | 17335   | 0.02%                                                                            | 0.000% |   |
| 102    | 8.011  | 7.981  | 8.039  | PV | 5937   | 85218   | 0.08%                                                                            | 0.002% |   |
| 103    | 8.051  | 8.039  | 8.094  | VV | 1366   | 29848   | 0.03%                                                                            | 0.001% |   |
| 104    | 8.137  | 8.094  | 8.194  | VV | 1869   | 65828   | 0.06%                                                                            | 0.002% |   |
| 105    | 8.209  | 8.194  | 8.231  | VV | 1210   | 16169   | 0.01%                                                                            | 0.000% |   |
| 106    | 8.253  | 8.231  | 8.275  | VV | 2563   | 31373   | 0.03%                                                                            | 0.001% |   |
| 107    | 8.309  | 8.275  | 8.331  | VV | 2249   | 35198   | 0.03%                                                                            | 0.001% |   |
| 108    | 8.347  | 8.331  | 8.365  | VV | 896    | 11654   | 0.01%                                                                            | 0.000% |   |
| 109    | 8.380  | 8.365  | 8.396  | VV | 1573   | 18483   | 0.02%                                                                            | 0.000% |   |
| 110    | 8.403  | 8.396  | 8.412  | VV | 645    | 6106    | 0.01%                                                                            | 0.000% |   |
| 111    | 8.466  | 8.412  | 8.492  | VV | 4215   | 95786   | 0.09%                                                                            | 0.003% |   |
| 112    | 8.501  | 8.492  | 8.524  | VV | 886    | 12440   | 0.01%                                                                            | 0.000% |   |
| 113    | 8.563  | 8.524  | 8.641  | VV | 443510 | 4729481 | 4.25%                                                                            | 0.125% |   |
| 114    | 8.688  | 8.641  | 8.741  | VV | 4910   | 112772  | 0.10%                                                                            | 0.003% |   |
| 115    | 8.753  | 8.741  | 8.778  | VV | 822    | 13460   | 0.01%                                                                            | 0.000% |   |
| 116    | 8.796  | 8.778  | 8.838  | VV | 952    | 13868   | 0.01%                                                                            | 0.000% |   |
| 117    | 8.853  | 8.838  | 8.865  | PV | 157    | 959     | 0.00%                                                                            | 0.000% |   |
| 118    | 8.886  | 8.865  | 8.943  | VV | 39268  | 620031  | 0.56%                                                                            | 0.016% |   |
| 119    | 8.978  | 8.943  | 9.021  | VV | 17234  | 306679  | 0.28%                                                                            | 0.008% |   |
| 120    | 9.041  | 9.021  | 9.068  | VV | 10781  | 161358  | 0.15%                                                                            | 0.004% |   |
| 121    | 9.100  | 9.068  | 9.140  | VV | 4382   | 105407  | 0.09%                                                                            | 0.003% |   |
| 122    | 9.158  | 9.140  | 9.184  | VV | 1261   | 24360   | 0.02%                                                                            | 0.001% |   |
| 123    | 9.217  | 9.184  | 9.238  | VV | 878    | 20874   | 0.02%                                                                            | 0.001% |   |
| 124    | 9.253  | 9.238  | 9.264  | VV | 730    | 10075   | 0.01%                                                                            | 0.000% |   |
| 125    | 9.314  | 9.264  | 9.361  | VV | 9448   | 192092  | 0.17%                                                                            | 0.005% |   |
| 126    | 9.389  | 9.361  | 9.447  | VV | 13446  | 203865  | 0.18%                                                                            | 0.005% |   |
| 127    | 9.476  | 9.447  | 9.511  | VV | 1905   | 33863   | 0.03%                                                                            | 0.001% |   |
| 128    | 9.525  | 9.511  | 9.555  | VV | 572    | 6985    | 0.01%                                                                            | 0.000% |   |
| 129    | 9.649  | 9.555  | 9.659  | PV | 775    | 26218   | 0.02%                                                                            | 0.001% |   |
| 130    | 9.689  | 9.659  | 9.715  | VV | 1088   | 24657   | 0.02%                                                                            | 0.001% |   |
| 131    | 9.757  | 9.715  | 9.791  | VV | 3537   | 106016  | 0.10%                                                                            | 0.003% |   |
| 132    | 9.806  | 9.791  | 9.823  | VV | 2022   | 30922   | 0.03%                                                                            | 0.001% |   |
| 133    | 9.849  | 9.823  | 9.875  | VV | 1711   | 39449   | 0.04%                                                                            | 0.001% |   |
| 134    | 9.896  | 9.875  | 9.928  | VV | 1893   | 33133   | 0.03%                                                                            | 0.001% |   |
| 135    | 9.948  | 9.928  | 9.976  | VV | 3441   | 40469   | 0.04%                                                                            | 0.001% |   |
| 136    | 10.010 | 9.976  | 10.056 | PV | 952    | 27243   | 0.02%                                                                            | 0.001% |   |
| 137    | 10.089 | 10.056 | 10.103 | VV | 4919   | 61608   | 0.06%                                                                            | 0.002% |   |
| 138    | 10.111 | 10.103 | 10.136 | VV | 3243   | 42473   | 0.04%                                                                            | 0.001% |   |
| 139    | 10.171 | 10.136 | 10.218 | VV | 435934 | 4882036 | 4.39%                                                                            | 0.129% |   |
| 140    | 10.238 | 10.218 | 10.311 | VV | 1400   | 41570   | 0.04%                                                                            | 0.001% |   |
| 141    | 10.342 | 10.311 | 10.364 | VV | 979    | 14114   | 0.01%                                                                            | 0.000% |   |

|     |        |        |        |    |        |          |        |        |
|-----|--------|--------|--------|----|--------|----------|--------|--------|
| 142 | 10.375 | 10.364 | 10.392 | VV | 453    | 6144     | 0.01%  | 0.000% |
| 143 | 10.405 | 10.392 | 10.427 | VV | 448    | 6020     |        |        |
| 144 | 10.447 | 10.427 | 10.465 | PV | 940    | 10900    |        |        |
| 145 | 10.488 | 10.465 | 10.531 | VV | 2264   | 47358    |        |        |
| 146 | 10.559 | 10.531 | 10.582 | VV | 4577   | 72764    |        |        |
| 147 | 10.604 | 10.582 | 10.619 | VV | 2401   | 40422    |        |        |
| 148 | 10.638 | 10.619 | 10.680 | VV | 4141   | 73222    | 0.07%  | 0.002% |
| 149 | 10.703 | 10.680 | 10.736 | VV | 1633   | 21288    | 0.02%  | 0.001% |
| 150 | 10.764 | 10.736 | 10.783 | PV | 1255   | 16212    | 0.01%  | 0.000% |
| 151 | 10.835 | 10.783 | 10.851 | VV | 2982   | 48128    | 0.04%  | 0.001% |
| 152 | 10.872 | 10.851 | 10.885 | VV | 3247   | 50960    | 0.05%  | 0.001% |
| 153 | 10.909 | 10.885 | 10.942 | VV | 19906  | 251406   | 0.23%  | 0.007% |
| 154 | 10.981 | 10.942 | 11.008 | VV | 8529   | 139461   | 0.13%  | 0.004% |
| 155 | 11.037 | 11.008 | 11.064 | VV | 2540   | 51518    | 0.05%  | 0.001% |
| 156 | 11.087 | 11.064 | 11.098 | VV | 992    | 13116    | 0.01%  | 0.000% |
| 157 | 11.136 | 11.098 | 11.173 | VV | 1131   | 31161    | 0.03%  | 0.001% |
| 158 | 11.198 | 11.173 | 11.265 | PV | 8137   | 160687   | 0.14%  | 0.004% |
| 159 | 11.308 | 11.265 | 11.347 | VV | 4816   | 118298   | 0.11%  | 0.003% |
| 160 | 11.364 | 11.347 | 11.379 | VV | 2232   | 29451    | 0.03%  | 0.001% |
| 161 | 11.417 | 11.379 | 11.450 | VV | 4641   | 74247    | 0.07%  | 0.002% |
| 162 | 11.480 | 11.450 | 11.493 | VV | 1972   | 34937    | 0.03%  | 0.001% |
| 163 | 11.506 | 11.493 | 11.517 | VV | 1567   | 19555    | 0.02%  | 0.001% |
| 164 | 11.545 | 11.517 | 11.569 | VV | 15597  | 215248   | 0.19%  | 0.006% |
| 165 | 11.615 | 11.569 | 11.675 | VV | 441433 | 5358909  | 4.82%  | 0.141% |
| 166 | 11.704 | 11.675 | 11.738 | VV | 21522  | 389798   | 0.35%  | 0.010% |
| 167 | 11.812 | 11.738 | 11.831 | VV | 6919   | 288611   | 0.26%  | 0.008% |
| 168 | 11.889 | 11.831 | 11.905 | VV | 12434  | 396759   | 0.36%  | 0.010% |
| 169 | 11.937 | 11.905 | 11.955 | VV | 11585  | 335315   | 0.30%  | 0.009% |
| 170 | 12.012 | 11.955 | 12.027 | VV | 15647  | 577797   | 0.52%  | 0.015% |
| 171 | 12.169 | 12.027 | 12.188 | VV | 25844  | 1903272  | 1.71%  | 0.050% |
| 172 | 12.282 | 12.188 | 12.334 | VV | 51302  | 3070005  | 2.76%  | 0.081% |
| 173 | 12.420 | 12.334 | 12.465 | VV | 46283  | 3223939  | 2.90%  | 0.085% |
| 174 | 12.508 | 12.465 | 12.517 | VV | 56856  | 1647448  | 1.48%  | 0.043% |
| 175 | 12.544 | 12.517 | 12.572 | VV | 115194 | 2656047  | 2.39%  | 0.070% |
| 176 | 12.595 | 12.572 | 12.613 | VV | 71107  | 1661756  | 1.50%  | 0.044% |
| 177 | 12.714 | 12.613 | 12.731 | VV | 84873  | 5544084  | 4.99%  | 0.146% |
| 178 | 12.794 | 12.731 | 12.819 | VV | 105350 | 5077957  | 4.57%  | 0.134% |
| 179 | 12.867 | 12.819 | 12.900 | VV | 135404 | 5831260  | 5.25%  | 0.154% |
| 180 | 12.933 | 12.900 | 12.962 | VV | 557661 | 9906928  | 8.91%  | 0.261% |
| 181 | 13.039 | 12.962 | 13.055 | VV | 155130 | 7935541  | 7.14%  | 0.209% |
| 182 | 13.079 | 13.055 | 13.118 | VV | 167027 | 5991547  | 5.39%  | 0.158% |
| 183 | 13.201 | 13.118 | 13.211 | VV | 192026 | 9786044  | 8.80%  | 0.258% |
| 184 | 13.264 | 13.211 | 13.275 | VV | 211226 | 7471951  | 6.72%  | 0.197% |
| 185 | 13.383 | 13.275 | 13.409 | VV | 661986 | 23586836 | 21.22% | 0.622% |
| 186 | 13.433 | 13.409 | 13.458 | VV | 312040 | 8396107  | 7.55%  | 0.221% |
| 187 | 13.485 | 13.458 | 13.503 | VV | 287807 | 7618586  | 6.85%  | 0.201% |
| 188 | 13.515 | 13.503 | 13.521 | VV | 285529 | 3014929  | 2.71%  | 0.079% |
| 189 | 13.552 | 13.521 | 13.579 | VV | 669075 | 14598095 | 13.13% | 0.385% |
| 190 | 13.597 | 13.579 | 13.615 | VV | 323053 | 6736098  | 6.06%  | 0.178% |
| 191 | 13.717 | 13.615 | 13.738 | VV | 362574 | 24689714 | 22.21% | 0.651% |
| 192 | 13.781 | 13.738 | 13.804 | VV | 465658 | 15830214 | 14.24% | 0.417% |
| 193 | 13.826 | 13.804 | 13.846 | VV | 411009 | 10166423 | 9.15%  | 0.268% |
| 194 | 13.867 | 13.846 | 13.895 | VV | 415428 | 11869208 | 10.68% | 0.313% |

Instrument :

FID\_F

ClientSampleId :

WC1MSD

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 03/21/2025

Supervised By :mohammad ahmed 03/24/2025

|                         |        |        |        |    |         |           |         |        |   |
|-------------------------|--------|--------|--------|----|---------|-----------|---------|--------|---|
| Instrument : FID_F      |        |        |        |    |         |           |         |        |   |
| ClientSampleId : WC1MSD |        |        |        |    |         |           |         |        |   |
| 195                     | 13.935 | 13.895 | 13.948 | VV | 428436  | 13305088  | 11.97%  | 0.351% | A |
| 196                     | 13.989 | 13.948 | 14.021 | VV | 464301  | 19655195  | 17.26%  | 0.506% | B |
| 197                     | 14.059 | 14.021 | 14.078 | VV | 507400  | 16389760  | 14.24%  | 0.124% | C |
| 198                     | 14.090 | 14.078 | 14.101 | VV | 490654  | 6878638   | 27.94%  | 0.819% | D |
| 199                     | 14.144 | 14.101 | 14.175 | VV | 879394  | 26424564  | 25.93%  | 0.760% | E |
| 200                     | 14.197 | 14.175 | 14.214 | VV | 529750  | 12180256  | 29.43%  | 0.862% | F |
| 201                     | 14.231 | 14.214 | 14.255 | VV | 522606  | 12540280  | 23.30%  | 0.683% | G |
| 202                     | 14.293 | 14.255 | 14.312 | VV | 574420  | 19183828  | 16.64%  | 0.488% | H |
| 203                     | 14.322 | 14.312 | 14.327 | VV | 551341  | 4710482   | 24.62%  | 0.722% | I |
| 204                     | 14.380 | 14.327 | 14.411 | VV | 689225  | 31053281  | 53.02%  | 1.554% | J |
| 205                     | 14.453 | 14.411 | 14.489 | VV | 633432  | 28819537  | 11.28%  | 0.331% |   |
| 206                     | 14.532 | 14.489 | 14.575 | VV | 670652  | 32706587  | 29.43%  | 0.862% |   |
| 207                     | 14.610 | 14.575 | 14.641 | VV | 661558  | 25898855  | 23.30%  | 0.683% |   |
| 208                     | 14.661 | 14.641 | 14.687 | VV | 704304  | 18493930  | 16.64%  | 0.488% |   |
| 209                     | 14.708 | 14.687 | 14.754 | VV | 693184  | 27370372  | 24.62%  | 0.722% |   |
| 210                     | 14.840 | 14.754 | 14.888 | VV | 811625  | 58928212  | 53.02%  | 1.554% |   |
| 211                     | 14.904 | 14.888 | 14.919 | VV | 730727  | 13331251  | 11.99%  | 0.351% |   |
| 212                     | 14.965 | 14.919 | 14.984 | VV | 795573  | 29427106  | 26.47%  | 0.776% |   |
| 213                     | 15.000 | 14.984 | 15.049 | VV | 769669  | 29246137  | 26.31%  | 0.771% |   |
| 214                     | 15.105 | 15.049 | 15.125 | VV | 776285  | 34201629  | 30.77%  | 0.902% |   |
| 215                     | 15.178 | 15.125 | 15.221 | VV | 843752  | 45885998  | 41.28%  | 1.210% |   |
| 216                     | 15.258 | 15.221 | 15.357 | VV | 1115183 | 69766730  | 62.77%  | 1.839% |   |
| 217                     | 15.399 | 15.357 | 15.431 | VV | 865449  | 35941375  | 32.34%  | 0.948% |   |
| 218                     | 15.456 | 15.431 | 15.473 | VV | 806490  | 20009243  | 18.00%  | 0.528% |   |
| 219                     | 15.509 | 15.473 | 15.561 | VV | 845052  | 43494257  | 39.13%  | 1.147% |   |
| 220                     | 15.583 | 15.561 | 15.652 | VV | 850564  | 44862084  | 40.36%  | 1.183% |   |
| 221                     | 15.693 | 15.652 | 15.755 | VV | 869989  | 51867421  | 46.66%  | 1.367% |   |
| 222                     | 15.799 | 15.755 | 15.897 | VV | 1125785 | 77112656  | 69.38%  | 2.033% |   |
| 223                     | 15.922 | 15.897 | 15.945 | VV | 876705  | 24606519  | 22.14%  | 0.649% |   |
| 224                     | 16.003 | 15.945 | 16.031 | VV | 885181  | 43194381  | 38.86%  | 1.139% |   |
| 225                     | 16.050 | 16.031 | 16.064 | VV | 879896  | 17344357  | 15.60%  | 0.457% |   |
| 226                     | 16.096 | 16.064 | 16.145 | VV | 996459  | 44610456  | 40.13%  | 1.176% |   |
| 227                     | 16.169 | 16.145 | 16.185 | VV | 891456  | 20910607  | 18.81%  | 0.551% |   |
| 228                     | 16.196 | 16.185 | 16.211 | VV | 855040  | 13587736  | 12.22%  | 0.358% |   |
| 229                     | 16.238 | 16.211 | 16.251 | VV | 886482  | 20985183  | 18.88%  | 0.553% |   |
| 230                     | 16.288 | 16.251 | 16.315 | VV | 1189608 | 37962300  | 34.15%  | 1.001% |   |
| 231                     | 16.326 | 16.315 | 16.396 | VV | 963024  | 43465049  | 39.10%  | 1.146% |   |
| 232                     | 16.488 | 16.396 | 16.529 | VV | 1022500 | 73192593  | 65.85%  | 1.930% |   |
| 233                     | 16.537 | 16.529 | 16.552 | VV | 916552  | 12415316  | 11.17%  | 0.327% |   |
| 234                     | 16.610 | 16.552 | 16.635 | VV | 1026242 | 48391672  | 43.54%  | 1.276% |   |
| 235                     | 16.652 | 16.635 | 16.699 | VV | 1000530 | 36381225  | 32.73%  | 0.959% |   |
| 236                     | 16.730 | 16.699 | 16.752 | VV | 954931  | 29153711  | 26.23%  | 0.769% |   |
| 237                     | 16.775 | 16.752 | 16.842 | VV | 972294  | 50104138  | 45.08%  | 1.321% |   |
| 238                     | 17.000 | 16.842 | 17.029 | VV | 1073644 | 111151659 | 100.00% | 2.930% |   |
| 239                     | 17.040 | 17.029 | 17.063 | VV | 1042295 | 21038015  | 18.93%  | 0.555% |   |
| 240                     | 17.111 | 17.063 | 17.141 | VV | 1135062 | 50372919  | 45.32%  | 1.328% |   |
| 241                     | 17.186 | 17.141 | 17.198 | VV | 1105742 | 36789220  | 33.10%  | 0.970% |   |
| 242                     | 17.253 | 17.198 | 17.298 | VV | 1531532 | 78769298  | 70.87%  | 2.077% |   |
| 243                     | 17.322 | 17.298 | 17.351 | VV | 1313769 | 41132147  | 37.01%  | 1.084% |   |
| 244                     | 17.384 | 17.351 | 17.406 | VV | 1534597 | 45806244  | 41.21%  | 1.208% |   |
| 245                     | 17.475 | 17.406 | 17.495 | VV | 1635863 | 82150921  | 73.91%  | 2.166% |   |
| 246                     | 17.526 | 17.495 | 17.550 | VV | 1828353 | 56140551  | 50.51%  | 1.480% |   |



| Instrument : FID_F                       |        |        |        |    |         |          |        |        |  |
|------------------------------------------|--------|--------|--------|----|---------|----------|--------|--------|--|
| ClientSampleId : WC1MSD                  |        |        |        |    |         |          |        |        |  |
| Manual IntegrationsAPPROVED              |        |        |        |    |         |          |        |        |  |
| Reviewed By :Yogesh Patel 03/21/2025     |        |        |        |    |         |          |        |        |  |
| Supervised By :mohammad ahmed 03/24/2025 |        |        |        |    |         |          |        |        |  |
| rteres                                   |        |        |        |    |         |          |        |        |  |
| 247                                      | 17.580 | 17.550 | 17.625 | VV | 1821553 | 76776497 | 69.07% | 2.024% |  |
| 248                                      | 17.662 | 17.625 | 17.689 | VV | 1962468 | 67734668 | 60.00% | 0.000% |  |
| 249                                      | 17.714 | 17.689 | 17.748 | VV | 1753900 | 58211659 | 52.00% | 0.000% |  |
| 250                                      | 17.784 | 17.748 | 17.804 | VV | 1630710 | 51089616 | 45.00% | 0.000% |  |
| 251                                      | 17.821 | 17.804 | 17.875 | VV | 1653611 | 63667865 | 57.00% | 0.000% |  |
| 252                                      | 17.907 | 17.875 | 17.941 | VV | 1384825 | 52391046 | 47.00% | 0.000% |  |
| 253                                      | 17.950 | 17.941 | 17.995 | VV | 1208050 | 36782467 | 33.09% | 0.970% |  |
| 254                                      | 18.012 | 17.995 | 18.035 | VV | 1125514 | 26397808 | 23.75% | 0.696% |  |
| 255                                      | 18.050 | 18.035 | 18.101 | VV | 1139713 | 42793427 | 38.50% | 1.128% |  |
| 256                                      | 18.134 | 18.101 | 18.175 | VV | 1324659 | 48074561 | 43.25% | 1.267% |  |
| 257                                      | 18.195 | 18.175 | 18.245 | VV | 922976  | 37239206 | 33.50% | 0.982% |  |
| 258                                      | 18.300 | 18.245 | 18.364 | VV | 1145071 | 67939346 | 61.12% | 1.791% |  |
| 259                                      | 18.398 | 18.364 | 18.460 | VV | 826091  | 46574257 | 41.90% | 1.228% |  |
| 260                                      | 18.495 | 18.460 | 18.541 | VV | 902630  | 40033740 | 36.02% | 1.055% |  |
| 261                                      | 18.548 | 18.541 | 18.582 | VV | 789125  | 18223873 | 16.40% | 0.480% |  |
| 262                                      | 18.612 | 18.582 | 18.630 | VV | 779475  | 21521308 | 19.36% | 0.567% |  |
| 263                                      | 18.660 | 18.630 | 18.758 | VV | 1072382 | 59716108 | 53.72% | 1.574% |  |
| 264                                      | 18.811 | 18.758 | 18.897 | VV | 762635  | 58577127 | 52.70% | 1.544% |  |
| 265                                      | 18.958 | 18.897 | 19.005 | VV | 957053  | 46709109 | 42.02% | 1.231% |  |
| 266                                      | 19.072 | 19.005 | 19.098 | VV | 740200  | 36526684 | 32.86% | 0.963% |  |
| 267                                      | 19.124 | 19.098 | 19.185 | VV | 729524  | 34588897 | 31.12% | 0.912% |  |
| 268                                      | 19.210 | 19.185 | 19.231 | VV | 623113  | 16849141 | 15.16% | 0.444% |  |
| 269                                      | 19.245 | 19.231 | 19.298 | VV | 633539  | 24678817 | 22.20% | 0.651% |  |
| 270                                      | 19.307 | 19.298 | 19.326 | VV | 598905  | 10220162 | 9.19%  | 0.269% |  |
| 271                                      | 19.357 | 19.326 | 19.377 | VV | 639369  | 18773267 | 16.89% | 0.495% |  |
| 272                                      | 19.398 | 19.377 | 19.441 | VV | 644959  | 22649021 | 20.38% | 0.597% |  |
| 273                                      | 19.465 | 19.441 | 19.495 | VV | 590839  | 17915602 | 16.12% | 0.472% |  |
| 274                                      | 19.543 | 19.495 | 19.605 | VV | 603489  | 36764680 | 33.08% | 0.969% |  |
| 275                                      | 19.657 | 19.605 | 19.685 | VV | 526802  | 24879916 | 22.38% | 0.656% |  |
| 276                                      | 19.691 | 19.685 | 19.700 | VV | 508331  | 4605047  | 4.14%  | 0.121% |  |
| 277                                      | 19.740 | 19.700 | 19.761 | VV | 820171  | 24187111 | 21.76% | 0.638% |  |
| 278                                      | 19.770 | 19.761 | 19.828 | VV | 678036  | 22252682 | 20.02% | 0.587% |  |
| 279                                      | 19.863 | 19.828 | 19.898 | VV | 507179  | 20273094 | 18.24% | 0.534% |  |
| 280                                      | 19.921 | 19.898 | 19.930 | VV | 484767  | 9222460  | 8.30%  | 0.243% |  |
| 281                                      | 19.950 | 19.930 | 19.992 | VV | 485345  | 17550757 | 15.79% | 0.463% |  |
| 282                                      | 20.016 | 19.992 | 20.071 | VV | 474701  | 22102393 | 19.88% | 0.583% |  |
| 283                                      | 20.162 | 20.071 | 20.238 | VV | 526928  | 46558754 | 41.89% | 1.227% |  |
| 284                                      | 20.251 | 20.238 | 20.262 | VV | 440268  | 6214709  | 5.59%  | 0.164% |  |
| 285                                      | 20.269 | 20.262 | 20.341 | VV | 438858  | 19863663 | 17.87% | 0.524% |  |
| 286                                      | 20.375 | 20.341 | 20.401 | VV | 465694  | 15547322 | 13.99% | 0.410% |  |
| 287                                      | 20.424 | 20.401 | 20.439 | VV | 436751  | 9700548  | 8.73%  | 0.256% |  |
| 288                                      | 20.474 | 20.439 | 20.533 | VV | 639910  | 26267989 | 23.63% | 0.693% |  |
| 289                                      | 20.556 | 20.533 | 20.605 | VV | 404929  | 16713835 | 15.04% | 0.441% |  |
| 290                                      | 20.654 | 20.605 | 20.794 | VV | 418221  | 42793764 | 38.50% | 1.128% |  |
| 291                                      | 20.802 | 20.794 | 20.813 | VV | 336368  | 3831862  | 3.45%  | 0.101% |  |
| 292                                      | 20.830 | 20.813 | 20.891 | VV | 337714  | 15159325 | 13.64% | 0.400% |  |
| 293                                      | 20.941 | 20.891 | 21.008 | VV | 322524  | 21384524 | 19.24% | 0.564% |  |
| 294                                      | 21.048 | 21.008 | 21.161 | VV | 299629  | 25306836 | 22.77% | 0.667% |  |
| 295                                      | 21.211 | 21.161 | 21.341 | VV | 462690  | 28629362 | 25.76% | 0.755% |  |
| 296                                      | 21.365 | 21.341 | 21.398 | VV | 201098  | 6778271  | 6.10%  | 0.179% |  |
| 297                                      | 21.440 | 21.398 | 21.558 | VV | 209734  | 18324372 | 16.49% | 0.483% |  |
| 298                                      | 21.568 | 21.558 | 21.611 | VV | 173427  | 5351781  | 4.81%  | 0.141% |  |
| 299                                      | 21.623 | 21.611 | 21.691 | VV | 161557  | 7472063  | 6.72%  | 0.197% |  |



|     |        |        |        |     |                         |          |            |                            |                                                                                                                     |
|-----|--------|--------|--------|-----|-------------------------|----------|------------|----------------------------|---------------------------------------------------------------------------------------------------------------------|
|     |        |        |        |     |                         |          |            | Instrument :<br>FID_F      |                                                                                                                     |
|     |        |        |        |     |                         |          |            | ClientSampleId :<br>WC1MSD |                                                                                                                     |
| 300 | 21.733 | 21.691 | 22.005 | VV  | 150489                  | 23836219 | 21.44%     | 0.628%                     | Manual IntegrationsAPPROVED<br><br>Reviewed By :Yogesh Patel 03/21/2025<br>Supervised By :mohammad ahmed 03/24/2025 |
| 301 | 22.035 | 22.005 | 22.075 | VV  | 103231                  | 4161779  |            |                            |                                                                                                                     |
| 302 | 22.129 | 22.075 | 22.311 | VV  | 265186                  | 16266000 | 14         |                            |                                                                                                                     |
| 303 | 22.366 | 22.311 | 22.385 | VV  | 70604                   | 3030087  | 2          |                            |                                                                                                                     |
| 304 | 22.400 | 22.385 | 22.481 | VV  | 70178                   | 3727609  | 3          |                            |                                                                                                                     |
| 305 | 22.490 | 22.481 | 22.523 | VV  | 55919                   | 1372300  | 1          |                            |                                                                                                                     |
| 306 | 22.553 | 22.523 | 22.646 | VV  | 56869                   | 3885861  | 3.50%      | 0.102%                     |                                                                                                                     |
| 307 | 22.673 | 22.646 | 22.765 | VV  | 50363                   | 2962565  | 2.67%      | 0.078%                     |                                                                                                                     |
| 308 | 22.779 | 22.765 | 22.848 | VV  | 32583                   | 1523224  | 1.37%      | 0.040%                     |                                                                                                                     |
| 309 | 22.862 | 22.848 | 22.871 | VV  | 28950                   | 395895   | 0.36%      | 0.010%                     |                                                                                                                     |
| 310 | 22.880 | 22.871 | 22.906 | VV  | 30403                   | 600390   | 0.54%      | 0.016%                     |                                                                                                                     |
| 311 | 22.913 | 22.906 | 23.009 | VV  | 27475                   | 1446074  | 1.30%      | 0.038%                     |                                                                                                                     |
| 312 | 23.017 | 23.009 | 23.088 | VV  | 17240                   | 618729   | 0.56%      | 0.016%                     |                                                                                                                     |
| 313 | 23.099 | 23.088 | 23.131 | VV  | 10138                   | 226027   | 0.20%      | 0.006%                     |                                                                                                                     |
| 314 | 23.181 | 23.131 | 23.261 | VV  | 10053                   | 537492   | 0.48%      | 0.014%                     |                                                                                                                     |
| 315 | 23.282 | 23.261 | 23.290 | VV  | 3924                    | 53642    | 0.05%      | 0.001%                     |                                                                                                                     |
| 316 | 23.321 | 23.290 | 23.349 | VBA | 6130                    | 222368   | 0.20%      | 0.006%                     |                                                                                                                     |
|     |        |        |        |     | Sum of corrected areas: |          | 3793144739 |                            |                                                                                                                     |

Aliphatic EPH 031725.M Fri Mar 21 00:53:14 2025



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

Manual Integration Report

|           |            |            |       |
|-----------|------------|------------|-------|
| Sequence: | FF031725AL | Instrument | FID_f |
|-----------|------------|------------|-------|

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

## Manual Integration Report

|           |            |            |       |
|-----------|------------|------------|-------|
| Sequence: | FF032025AL | Instrument | FID_f |
|-----------|------------|------------|-------|

| Sample ID  | File ID    | Parameter                  | Review By | Review On            | Supervised By | Supervised On     | Reason                      |
|------------|------------|----------------------------|-----------|----------------------|---------------|-------------------|-----------------------------|
| Q1574-01   | FF015699.D | 1-chlorooctadecane (SURRE) | yogesh    | 3/21/2025 8:27:34 AM | mohammad      | 3/24/2025 3:03:41 | Peak Integrated by Software |
| Q1574-01D  | FF015700.D | 1-chlorooctadecane (SURRE) | yogesh    | 3/21/2025 8:27:35 AM | mohammad      | 3/24/2025 3:03:41 | Peak Integrated by Software |
| Q1574-01MS | FF015701.D | 1-chlorooctadecane (SURRE) | yogesh    | 3/21/2025 8:27:37 AM | mohammad      | 3/24/2025 3:03:41 | Peak Integrated by Software |
| Q1574-01MS | FF015701.D | n-Docosane (C22)           | yogesh    | 3/21/2025 8:27:37 AM | mohammad      | 3/24/2025 3:03:41 | Peak Integrated by Software |
| Q1574-01MS | FF015701.D | n-Dotriacontane (C32)      | yogesh    | 3/21/2025 8:27:37 AM | mohammad      | 3/24/2025 3:03:41 | Peak Integrated by Software |
| Q1574-01MS | FF015701.D | n-Heneicosane (C21)        | yogesh    | 3/21/2025 8:27:37 AM | mohammad      | 3/24/2025 3:03:41 | Peak Integrated by Software |
| Q1574-01MS | FF015701.D | n-Hexacosane (C26)         | yogesh    | 3/21/2025 8:27:37 AM | mohammad      | 3/24/2025 3:03:41 | Peak Integrated by Software |
| Q1574-01MS | FF015701.D | n-Hexatriacontane (C36)    | yogesh    | 3/21/2025 8:27:37 AM | mohammad      | 3/24/2025 3:03:41 | Peak Integrated by Software |
| Q1574-01MS | FF015701.D | n-Octacosane (C28)         | yogesh    | 3/21/2025 8:27:37 AM | mohammad      | 3/24/2025 3:03:41 | Peak Integrated by Software |
| Q1574-01MS | FF015701.D | n-Octatriacontane (C38)    | yogesh    | 3/21/2025 8:27:37 AM | mohammad      | 3/24/2025 3:03:41 | Peak Integrated by Software |
| Q1574-01MS | FF015701.D | n-Tetracosane (C24)        | yogesh    | 3/21/2025 8:27:37 AM | mohammad      | 3/24/2025 3:03:41 | Peak Integrated by Software |
| Q1574-01MS | FF015701.D | n-Tetratriacontane (C34)   | yogesh    | 3/21/2025 8:27:37 AM | mohammad      | 3/24/2025 3:03:41 | Peak Integrated by Software |
| Q1574-01MS | FF015701.D | n-Tricontane (C30)         | yogesh    | 3/21/2025 8:27:37 AM | mohammad      | 3/24/2025 3:03:41 | Peak Integrated by Software |

## Manual Integration Report

|           |            |            |       |
|-----------|------------|------------|-------|
| Sequence: | FF032025AL | Instrument | FID_f |
|-----------|------------|------------|-------|

| Sample ID   | File ID    | Parameter                 | Review By | Review On            | Supervised By | Supervised On     | Reason                      |
|-------------|------------|---------------------------|-----------|----------------------|---------------|-------------------|-----------------------------|
| Q1574-01MSD | FF015702.D | 1-chlorooctadecane (Surr) | yogesh    | 3/21/2025 8:27:39 AM | mohammad      | 3/24/2025 3:03:41 | Peak Integrated by Software |
| Q1574-01MSD | FF015702.D | n-Docosane (C22)          | yogesh    | 3/21/2025 8:27:39 AM | mohammad      | 3/24/2025 3:03:41 | Peak Integrated by Software |
| Q1574-01MSD | FF015702.D | n-Dotriacontane (C32)     | yogesh    | 3/21/2025 8:27:39 AM | mohammad      | 3/24/2025 3:03:41 | Peak Integrated by Software |
| Q1574-01MSD | FF015702.D | n-Heneicosane (C21)       | yogesh    | 3/21/2025 8:27:39 AM | mohammad      | 3/24/2025 3:03:41 | Peak Integrated by Software |
| Q1574-01MSD | FF015702.D | n-Hexacosane (C26)        | yogesh    | 3/21/2025 8:27:39 AM | mohammad      | 3/24/2025 3:03:41 | Peak Integrated by Software |
| Q1574-01MSD | FF015702.D | n-Hexatriacontane (C36)   | yogesh    | 3/21/2025 8:27:39 AM | mohammad      | 3/24/2025 3:03:41 | Peak Integrated by Software |
| Q1574-01MSD | FF015702.D | n-Octacosane (C28)        | yogesh    | 3/21/2025 8:27:39 AM | mohammad      | 3/24/2025 3:03:41 | Peak Integrated by Software |
| Q1574-01MSD | FF015702.D | n-Tetracosane (C24)       | yogesh    | 3/21/2025 8:27:39 AM | mohammad      | 3/24/2025 3:03:41 | Peak Integrated by Software |
| Q1574-01MSD | FF015702.D | n-Tricontane (C30)        | yogesh    | 3/21/2025 8:27:39 AM | mohammad      | 3/24/2025 3:03:41 | Peak Integrated by Software |
| Q1574-01DL  | FF015703.D | 1-chlorooctadecane (Surr) | yogesh    | 3/21/2025 8:27:40 AM | mohammad      | 3/24/2025 3:03:41 | Peak Integrated by Software |
| Q1574-01DL2 | FF015704.D | 1-chlorooctadecane (Surr) | yogesh    | 3/21/2025 8:27:42 AM | mohammad      | 3/24/2025 3:03:41 | Peak Integrated by Software |
| Q1606-11    | FF015711.D | 1-chlorooctadecane (Surr) | yogesh    | 3/21/2025 8:27:44 AM | mohammad      | 3/24/2025 3:03:41 | Peak Integrated by Software |

## Manual Integration Report

Sequence:

FG031725AR

Instrument

FID\_g

| Sample ID              | File ID    | Parameter                         | Review By | Review On               | Supervised By | Supervised On     | Reason                      |
|------------------------|------------|-----------------------------------|-----------|-------------------------|---------------|-------------------|-----------------------------|
| 100 PPM<br>AROMATIC HC | FG015502.D | Bnezo[k]fluoranthene<br>(C30.14)  | yogesh    | 3/18/2025 7:40:44<br>AM | mohammad      | 3/19/2025 6:51:38 | Peak Integrated by Software |
| 100 PPM<br>AROMATIC HC | FG015502.D | Dibenz[a,h]anthracene<br>(C30.36) | yogesh    | 3/18/2025 7:40:44<br>AM | mohammad      | 3/19/2025 6:51:38 | Peak Integrated by Software |

## Manual Integration Report

|           |            |            |       |
|-----------|------------|------------|-------|
| Sequence: | FG032025AR | Instrument | FID_g |
|-----------|------------|------------|-------|

| Sample ID   | File ID    | Parameter                       | Review By | Review On            | Supervised By | Supervised On     | Reason                      |
|-------------|------------|---------------------------------|-----------|----------------------|---------------|-------------------|-----------------------------|
| PB167231BL  | FG015513.D | 2-Fluorobiphenyl (SURR)         | yogesh    | 3/21/2025 8:28:25 AM | mohammad      | 3/24/2025 3:03:47 | Peak Integrated by Software |
| PB167231BS  | FG015514.D | Fluoranthene (C21.85)           | yogesh    | 3/21/2025 8:28:27 AM | mohammad      | 3/24/2025 3:03:47 | Peak Integrated by Software |
| PB167231BSD | FG015515.D | Fluoranthene (C21.85)           | yogesh    | 3/21/2025 8:28:28 AM | mohammad      | 3/24/2025 3:03:47 | Peak Integrated by Software |
| Q1574-01MS  | FG015518.D | Benzo[a]anthracene (C26.37)     | yogesh    | 3/21/2025 9:07:38 AM | mohammad      | 3/24/2025 3:03:47 | Peak Integrated by Software |
| Q1574-01MS  | FG015518.D | Benzo[g,h,i]perylene (C34.01)   | yogesh    | 3/21/2025 9:07:38 AM | mohammad      | 3/24/2025 3:03:47 | Peak Integrated by Software |
| Q1574-01MS  | FG015518.D | Chrysene (C27.41)               | yogesh    | 3/21/2025 9:07:38 AM | mohammad      | 3/24/2025 3:03:47 | Peak Integrated by Software |
| Q1574-01MS  | FG015518.D | Dibenz[a,h]anthracene (C30.36)  | yogesh    | 3/21/2025 9:07:38 AM | mohammad      | 3/24/2025 3:03:47 | Peak Integrated by Software |
| Q1574-01MS  | FG015518.D | Fluorene (C16.55)               | yogesh    | 3/21/2025 9:07:38 AM | mohammad      | 3/24/2025 3:03:47 | Peak Integrated by Software |
| Q1574-01MS  | FG015518.D | Fluoranthene (C21.85)           | yogesh    | 3/21/2025 9:07:38 AM | mohammad      | 3/24/2025 3:03:47 | Peak Integrated by Software |
| Q1574-01MS  | FG015518.D | Indeno[1,2,3-cd]pyrene (C35.01) | yogesh    | 3/21/2025 9:07:38 AM | mohammad      | 3/24/2025 3:03:47 | Peak Integrated by Software |
| Q1574-01MS  | FG015518.D | ortho-Terphenyl (SURR)          | yogesh    | 3/21/2025 9:07:38 AM | mohammad      | 3/24/2025 3:03:47 | Peak Integrated by Software |
| Q1574-01MS  | FG015518.D | Pyrene (C20.8)                  | yogesh    | 3/21/2025 9:07:38 AM | mohammad      | 3/24/2025 3:03:47 | Peak Integrated by Software |
| Q1574-01MSD | FG015519.D | Acenaphthene (C15.5)            | yogesh    | 3/21/2025 9:07:39 AM | mohammad      | 3/24/2025 3:03:47 | Peak Integrated by Software |

## Manual Integration Report

|           |            |            |       |
|-----------|------------|------------|-------|
| Sequence: | FG032025AR | Instrument | FID_g |
|-----------|------------|------------|-------|

| Sample ID   | File ID    | Parameter                       | Review By | Review On            | Supervised By | Supervised On     | Reason                      |
|-------------|------------|---------------------------------|-----------|----------------------|---------------|-------------------|-----------------------------|
| Q1574-01MSD | FG015519.D | Benzo[a]anthracene (C26.37)     | yogesh    | 3/21/2025 9:07:39 AM | mohammad      | 3/24/2025 3:03:47 | Peak Integrated by Software |
| Q1574-01MSD | FG015519.D | Benzo[g,h,i]perylene (C34.01)   | yogesh    | 3/21/2025 9:07:39 AM | mohammad      | 3/24/2025 3:03:47 | Peak Integrated by Software |
| Q1574-01MSD | FG015519.D | Chrysene (C27.41)               | yogesh    | 3/21/2025 9:07:39 AM | mohammad      | 3/24/2025 3:03:47 | Peak Integrated by Software |
| Q1574-01MSD | FG015519.D | Dibenz[a,h]anthracene (C30.36)  | yogesh    | 3/21/2025 9:07:39 AM | mohammad      | 3/24/2025 3:03:47 | Peak Integrated by Software |
| Q1574-01MSD | FG015519.D | Flouorene (C16.55)              | yogesh    | 3/21/2025 9:07:39 AM | mohammad      | 3/24/2025 3:03:47 | Peak Integrated by Software |
| Q1574-01MSD | FG015519.D | Fluoranthene (C21.85)           | yogesh    | 3/21/2025 9:07:39 AM | mohammad      | 3/24/2025 3:03:47 | Peak Integrated by Software |
| Q1574-01MSD | FG015519.D | Indeno[1,2,3-cd]pyrene (C35.01) | yogesh    | 3/21/2025 9:07:39 AM | mohammad      | 3/24/2025 3:03:47 | Peak Integrated by Software |
| Q1574-01MSD | FG015519.D | Naphthalene (C11.7)             | yogesh    | 3/21/2025 9:07:39 AM | mohammad      | 3/24/2025 3:03:47 | Peak Integrated by Software |
| Q1574-01MSD | FG015519.D | ortho-Terphenyl (SURR)          | yogesh    | 3/21/2025 9:07:39 AM | mohammad      | 3/24/2025 3:03:47 | Peak Integrated by Software |
| Q1574-01MSD | FG015519.D | Pyrene (C20.8)                  | yogesh    | 3/21/2025 9:07:39 AM | mohammad      | 3/24/2025 3:03:47 | Peak Integrated by Software |
| Q1574-01DL  | FG015520.D | ortho-Terphenyl (SURR)          | yogesh    | 3/21/2025 8:28:33 AM | mohammad      | 3/24/2025 3:03:47 | Peak Integrated by Software |
| PB167245BS  | FG015525.D | Fluoranthene (C21.85)           | yogesh    | 3/21/2025 8:28:35 AM | mohammad      | 3/24/2025 3:03:47 | Peak Integrated by Software |
| PB167245BSD | FG015526.D | Fluoranthene (C21.85)           | yogesh    | 3/21/2025 8:28:41 AM | mohammad      | 3/24/2025 3:03:47 | Peak Integrated by Software |

## Manual Integration Report

Sequence:

FG032025AR

Instrument

FID\_g

| Sample ID | File ID    | Parameter               | Review By | Review On            | Supervised By | Supervised On     | Reason                      |
|-----------|------------|-------------------------|-----------|----------------------|---------------|-------------------|-----------------------------|
| Q1606-11  | FG015528.D | 2-Fluorobiphenyl (SURR) | yogesh    | 3/21/2025 8:28:43 AM | mohammad      | 3/24/2025 3:03:47 | Peak Integrated by Software |
| Q1606-11  | FG015528.D | ortho-Terphenyl (SURR)  | yogesh    | 3/21/2025 8:28:43 AM | mohammad      | 3/24/2025 3:03:47 | Peak Integrated by Software |



Instrument ID: FID\_F

**Daily Analysis Runlog For Sequence/QC Batch ID # FF031725AL**

|                                                                    |                                         |                   |                                 |
|--------------------------------------------------------------------|-----------------------------------------|-------------------|---------------------------------|
| Review By                                                          | yogesh                                  | Review On         | 3/17/2025 3:12:35 PM            |
| Supervise By                                                       | mohammad                                | Supervise On      | 3/19/2025 6:52:51 AM            |
| SubDirectory                                                       | FF031725AL                              | HP Acquire Method | HP Processing Method FF031725AL |
| <b>STD. NAME</b>                                                   | <b>STD REF.#</b>                        |                   |                                 |
| Tune/Reschk<br>Initial Calibration Stds                            | PP24170,PP24175,PP24176,PP24177,PP24178 |                   |                                 |
| CCC<br>Internal Standard/PEM                                       | PP24176                                 |                   |                                 |
| ICV/I.BLK<br>Surrogate Standard<br>MS/MSD Standard<br>LCS Standard | PP24174,PP24179                         |                   |                                 |

| Sr# | SampleId                    | Data File Name | Date-Time         | Operator | Status |
|-----|-----------------------------|----------------|-------------------|----------|--------|
| 1   | MECL2                       | FF015683.D     | 17 Mar 2025 16:33 | YP\AJ    | Ok     |
| 2   | I.BLK                       | FF015684.D     | 17 Mar 2025 17:02 | YP\AJ    | Ok     |
| 3   | 100 PPM ALIPHATIC HC STD1   | FF015685.D     | 17 Mar 2025 17:32 | YP\AJ    | Ok     |
| 4   | 50 PPM ALIPHATIC HC STD2    | FF015686.D     | 17 Mar 2025 18:01 | YP\AJ    | Ok     |
| 5   | 20 PPM ALIPHATIC HC STD3    | FF015687.D     | 17 Mar 2025 18:31 | YP\AJ    | Ok     |
| 6   | 10 PPM ALIPHATIC HC STD4    | FF015688.D     | 17 Mar 2025 19:00 | YP\AJ    | Ok     |
| 7   | 5 PPM ALIPHATIC HC STD5     | FF015689.D     | 17 Mar 2025 19:29 | YP\AJ    | Ok     |
| 8   | 20 PPM ALIPHATIC HC STD ICV | FF015690.D     | 17 Mar 2025 19:59 | YP\AJ    | Ok     |
| 9   | I.BLK                       | FF015691.D     | 17 Mar 2025 20:57 | YP\AJ    | Ok     |
| 10  | 20 PPM ALIPHATIC HC STD     | FF015692.D     | 17 Mar 2025 21:27 | YP\AJ    | Ok     |

M : Manual Integration

Instrument ID: FID\_F

**Daily Analysis Runlog For Sequence/QC Batch ID # FF032025AL**

|                                                                    |                                         |                   |                                 |
|--------------------------------------------------------------------|-----------------------------------------|-------------------|---------------------------------|
| Review By                                                          | yogesh                                  | Review On         | 3/20/2025 1:16:45 PM            |
| Supervise By                                                       | mohammad                                | Supervise On      | 3/24/2025 3:03:41 AM            |
| SubDirectory                                                       | FF032025AL                              | HP Acquire Method | HP Processing Method FF031725AL |
| <b>STD. NAME</b>                                                   | <b>STD REF.#</b>                        |                   |                                 |
| Tune/Reschk<br>Initial Calibration Stds                            | PP24170,PP24175,PP24176,PP24177,PP24178 |                   |                                 |
| CCC<br>Internal Standard/PEM                                       | PP24176                                 |                   |                                 |
| ICV/I.BLK<br>Surrogate Standard<br>MS/MSD Standard<br>LCS Standard | PP24174,PP24179                         |                   |                                 |

| Sr# | SampleId                | Data File Name | Date-Time         | Operator | Status   |
|-----|-------------------------|----------------|-------------------|----------|----------|
| 1   | MECL2                   | FF015693.D     | 20 Mar 2025 08:58 | YP\AJ    | Ok       |
| 2   | I.BLK                   | FF015694.D     | 20 Mar 2025 09:27 | YP\AJ    | Ok       |
| 3   | 20 PPM ALIPHATIC HC STD | FF015695.D     | 20 Mar 2025 11:24 | YP\AJ    | Ok       |
| 4   | PB167231BL              | FF015696.D     | 20 Mar 2025 12:31 | YP\AJ    | Ok       |
| 5   | PB167231BS              | FF015697.D     | 20 Mar 2025 13:00 | YP\AJ    | Ok       |
| 6   | PB167231BSD             | FF015698.D     | 20 Mar 2025 13:29 | YP\AJ    | Ok       |
| 7   | Q1574-01                | FF015699.D     | 20 Mar 2025 13:59 | YP\AJ    | Ok,M     |
| 8   | Q1574-01D               | FF015700.D     | 20 Mar 2025 14:28 | YP\AJ    | Ok,M     |
| 9   | Q1574-01MS              | FF015701.D     | 20 Mar 2025 14:58 | YP\AJ    | Ok,M     |
| 10  | Q1574-01MSD             | FF015702.D     | 20 Mar 2025 15:27 | YP\AJ    | Ok,M     |
| 11  | Q1574-01DL              | FF015703.D     | 20 Mar 2025 15:56 | YP\AJ    | Dilution |
| 12  | Q1574-01DL2             | FF015704.D     | 20 Mar 2025 16:26 | YP\AJ    | Ok,M     |
| 13  | I.BLK                   | FF015705.D     | 20 Mar 2025 17:54 | YP\AJ    | Ok       |
| 14  | 20 PPM ALIPHATIC HC STD | FF015706.D     | 20 Mar 2025 18:23 | YP\AJ    | Ok       |
| 15  | PB167245BL              | FF015707.D     | 20 Mar 2025 20:21 | YP\AJ    | Ok       |
| 16  | PB167245BS              | FF015708.D     | 20 Mar 2025 20:51 | YP\AJ    | Ok       |
| 17  | PB167245BSD             | FF015709.D     | 20 Mar 2025 21:20 | YP\AJ    | Ok       |
| 18  | Q1604-02                | FF015710.D     | 20 Mar 2025 21:49 | YP\AJ    | Ok       |
| 19  | Q1606-11                | FF015711.D     | 20 Mar 2025 22:19 | YP\AJ    | Dilution |
| 20  | I.BLK                   | FF015712.D     | 20 Mar 2025 23:17 | YP\AJ    | Ok       |
| 21  | 20 PPM ALIPHATIC HC STD | FF015713.D     | 20 Mar 2025 23:47 | YP\AJ    | Ok       |

M : Manual Integration

Instrument ID: FID\_G

**Daily Analysis Runlog For Sequence/QC Batch ID # FG031725AR**

|                                                                    |                                         |                   |                                 |
|--------------------------------------------------------------------|-----------------------------------------|-------------------|---------------------------------|
| Review By                                                          | yogesh                                  | Review On         | 3/17/2025 3:14:44 PM            |
| Supervise By                                                       | mohammad                                | Supervise On      | 3/19/2025 6:51:51 AM            |
| SubDirectory                                                       | FG031725AR                              | HP Acquire Method | HP Processing Method FG031725AR |
| <b>STD. NAME</b>                                                   | <b>STD REF.#</b>                        |                   |                                 |
| Tune/Reschk<br>Initial Calibration Stds                            | PP23968,PP24202,PP24203,PP24204,PP24205 |                   |                                 |
| CCC<br>Internal Standard/PEM                                       | PP24203                                 |                   |                                 |
| ICV/I.BLK<br>Surrogate Standard<br>MS/MSD Standard<br>LCS Standard | PP23969,PP24206                         |                   |                                 |

| Sr# | SampleId                   | Data File Name | Date-Time         | Operator | Status |
|-----|----------------------------|----------------|-------------------|----------|--------|
| 1   | MECL2                      | FG015500.D     | 17 Mar 2025 16:33 | YP\AJ    | Ok     |
| 2   | I.BLK                      | FG015501.D     | 17 Mar 2025 17:02 | YP\AJ    | Ok     |
| 3   | 100 PPM AROMATIC HC STD1   | FG015502.D     | 17 Mar 2025 17:32 | YP\AJ    | Ok,M   |
| 4   | 50 PPM AROMATIC HC STD2    | FG015503.D     | 17 Mar 2025 18:01 | YP\AJ    | Ok     |
| 5   | 20 PPM AROMATIC HC STD3    | FG015504.D     | 17 Mar 2025 18:31 | YP\AJ    | Ok     |
| 6   | 10 PPM AROMATIC HC STD4    | FG015505.D     | 17 Mar 2025 19:00 | YP\AJ    | Ok     |
| 7   | 5 PPM AROMATIC HC STD5     | FG015506.D     | 17 Mar 2025 19:29 | YP\AJ    | Ok     |
| 8   | 20 PPM AROMATIC HC STD ICV | FG015507.D     | 17 Mar 2025 19:59 | YP\AJ    | Ok     |
| 9   | I.BLK                      | FG015508.D     | 17 Mar 2025 20:57 | YP\AJ    | Ok     |
| 10  | 20 PPM AROMATIC HC STD     | FG015509.D     | 17 Mar 2025 21:27 | YP\AJ    | Ok     |

M : Manual Integration

Instrument ID: FID\_G

**Daily Analysis Runlog For Sequence/QC Batch ID # FG032025AR**

|                                                                    |                                         |                   |                                 |
|--------------------------------------------------------------------|-----------------------------------------|-------------------|---------------------------------|
| Review By                                                          | yogesh                                  | Review On         | 3/20/2025 1:17:44 PM            |
| Supervise By                                                       | mohammad                                | Supervise On      | 3/24/2025 3:03:47 AM            |
| SubDirectory                                                       | FG032025AR                              | HP Acquire Method | HP Processing Method FG031725AR |
| <b>STD. NAME</b>                                                   | <b>STD REF.#</b>                        |                   |                                 |
| Tune/Reschk<br>Initial Calibration Stds                            | PP23968,PP24202,PP24203,PP24204,PP24205 |                   |                                 |
| CCC<br>Internal Standard/PEM                                       | PP24203                                 |                   |                                 |
| ICV/I.BLK<br>Surrogate Standard<br>MS/MSD Standard<br>LCS Standard | PP23969,PP24206                         |                   |                                 |

| Sr# | SampleId               | Data File Name | Date-Time         | Operator | Status   |
|-----|------------------------|----------------|-------------------|----------|----------|
| 1   | MECL2                  | FG015510.D     | 20 Mar 2025 08:58 | YP\AJ    | Ok       |
| 2   | I.BLK                  | FG015511.D     | 20 Mar 2025 09:27 | YP\AJ    | Ok       |
| 3   | 20 PPM AROMATIC HC STD | FG015512.D     | 20 Mar 2025 11:24 | YP\AJ    | Ok       |
| 4   | PB167231BL             | FG015513.D     | 20 Mar 2025 12:31 | YP\AJ    | Ok,M     |
| 5   | PB167231BS             | FG015514.D     | 20 Mar 2025 13:00 | YP\AJ    | Ok,M     |
| 6   | PB167231BSD            | FG015515.D     | 20 Mar 2025 13:29 | YP\AJ    | Ok,M     |
| 7   | Q1574-01               | FG015516.D     | 20 Mar 2025 13:59 | YP\AJ    | Ok       |
| 8   | Q1574-01D              | FG015517.D     | 20 Mar 2025 14:28 | YP\AJ    | Ok       |
| 9   | Q1574-01MS             | FG015518.D     | 20 Mar 2025 14:58 | YP\AJ    | Ok,M     |
| 10  | Q1574-01MSD            | FG015519.D     | 20 Mar 2025 15:27 | YP\AJ    | Ok,M     |
| 11  | Q1574-01DL             | FG015520.D     | 20 Mar 2025 15:56 | YP\AJ    | Not Ok   |
| 12  | Q1574-01DL             | FG015521.D     | 20 Mar 2025 16:26 | YP\AJ    | Ok       |
| 13  | I.BLK                  | FG015522.D     | 20 Mar 2025 17:54 | YP\AJ    | Ok       |
| 14  | 20 PPM AROMATIC HC STD | FG015523.D     | 20 Mar 2025 18:23 | YP\AJ    | Ok       |
| 15  | PB167245BL             | FG015524.D     | 20 Mar 2025 20:21 | YP\AJ    | Ok       |
| 16  | PB167245BS             | FG015525.D     | 20 Mar 2025 20:51 | YP\AJ    | Ok,M     |
| 17  | PB167245BSD            | FG015526.D     | 20 Mar 2025 21:20 | YP\AJ    | Ok,M     |
| 18  | Q1604-02               | FG015527.D     | 20 Mar 2025 21:49 | YP\AJ    | Ok       |
| 19  | Q1606-11               | FG015528.D     | 20 Mar 2025 22:19 | YP\AJ    | Dilution |
| 20  | I.BLK                  | FG015529.D     | 20 Mar 2025 23:17 | YP\AJ    | Ok       |
| 21  | 20 PPM AROMATIC HC STD | FG015530.D     | 20 Mar 2025 23:47 | YP\AJ    | Ok       |

M : Manual Integration

Instrument ID: FID\_F

**Daily Analysis Runlog For Sequence/QC Batch ID # FF031725AL**

|                                         |                                         |                   |                      |
|-----------------------------------------|-----------------------------------------|-------------------|----------------------|
| Review By                               | yogesh                                  | Review On         | 3/17/2025 3:12:35 PM |
| Supervise By                            | mohammad                                | Supervise On      | 3/19/2025 6:52:51 AM |
| SubDirectory                            | FF031725AL                              | HP Acquire Method | HP Processing Method |
|                                         |                                         |                   | FF031725AL           |
| <b>STD. NAME</b>                        | <b>STD REF.#</b>                        |                   |                      |
| Tune/Reschk<br>Initial Calibration Stds | PP24170,PP24175,PP24176,PP24177,PP24178 |                   |                      |
| CCC                                     | PP24176                                 |                   |                      |
| Internal Standard/PEM                   | PP24174,PP24179                         |                   |                      |
| ICV/I.BLK                               |                                         |                   |                      |
| Surrogate Standard                      |                                         |                   |                      |
| MS/MSD Standard                         |                                         |                   |                      |
| LCS Standard                            |                                         |                   |                      |

| Sr# | SampleID             | ClientID             | Data File Name | Date-Time         | Comment | Operator | Status |
|-----|----------------------|----------------------|----------------|-------------------|---------|----------|--------|
| 1   | MECL2                | MECL2                | FF015683.D     | 17 Mar 2025 16:33 |         | YP\AJ    | Ok     |
| 2   | I.BLK                | I.BLK                | FF015684.D     | 17 Mar 2025 17:02 |         | YP\AJ    | Ok     |
| 3   | 100 PPM ALIPHATIC HC | 100 PPM ALIPHATIC HC | FF015685.D     | 17 Mar 2025 17:32 |         | YP\AJ    | Ok     |
| 4   | 50 PPM ALIPHATIC HC  | 50 PPM ALIPHATIC HC  | FF015686.D     | 17 Mar 2025 18:01 |         | YP\AJ    | Ok     |
| 5   | 20 PPM ALIPHATIC HC  | 20 PPM ALIPHATIC HC  | FF015687.D     | 17 Mar 2025 18:31 |         | YP\AJ    | Ok     |
| 6   | 10 PPM ALIPHATIC HC  | 10 PPM ALIPHATIC HC  | FF015688.D     | 17 Mar 2025 19:00 |         | YP\AJ    | Ok     |
| 7   | 5 PPM ALIPHATIC HC   | 5 PPM ALIPHATIC HC   | FF015689.D     | 17 Mar 2025 19:29 |         | YP\AJ    | Ok     |
| 8   | 20 PPM ALIPHATIC HC  | 20 PPM ALIPHATIC HC  | FF015690.D     | 17 Mar 2025 19:59 |         | YP\AJ    | Ok     |
| 9   | I.BLK                | I.BLK                | FF015691.D     | 17 Mar 2025 20:57 |         | YP\AJ    | Ok     |
| 10  | 20 PPM ALIPHATIC HC  | 20 PPM ALIPHATIC HC  | FF015692.D     | 17 Mar 2025 21:27 |         | YP\AJ    | Ok     |

M : Manual Integration

Instrument ID: FID\_F

**Daily Analysis Runlog For Sequence/QC Batch ID # FF032025AL**

|                                         |                                         |                   |                      |
|-----------------------------------------|-----------------------------------------|-------------------|----------------------|
| Review By                               | yogesh                                  | Review On         | 3/20/2025 1:16:45 PM |
| Supervise By                            | mohammad                                | Supervise On      | 3/24/2025 3:03:41 AM |
| SubDirectory                            | FF032025AL                              | HP Acquire Method | HP Processing Method |
|                                         |                                         |                   | FF031725AL           |
| <b>STD. NAME</b>                        | <b>STD REF.#</b>                        |                   |                      |
| Tune/Reschk<br>Initial Calibration Stds | PP24170,PP24175,PP24176,PP24177,PP24178 |                   |                      |
| CCC                                     | PP24176                                 |                   |                      |
| Internal Standard/PEM                   | PP24174,PP24179                         |                   |                      |
| ICV/I.BLK                               |                                         |                   |                      |
| Surrogate Standard                      |                                         |                   |                      |
| MS/MSD Standard                         |                                         |                   |                      |
| LCS Standard                            |                                         |                   |                      |

| Sr# | SampleID            | ClientID            | Data File Name | Date-Time         | Comment                                                                    | Operator | Status   |
|-----|---------------------|---------------------|----------------|-------------------|----------------------------------------------------------------------------|----------|----------|
| 1   | MECL2               | MECL2               | FF015693.D     | 20 Mar 2025 08:58 |                                                                            | YP\AJ    | Ok       |
| 2   | I.BLK               | I.BLK               | FF015694.D     | 20 Mar 2025 09:27 |                                                                            | YP\AJ    | Ok       |
| 3   | 20 PPM ALIPHATIC HC | 20 PPM ALIPHATIC HC | FF015695.D     | 20 Mar 2025 11:24 |                                                                            | YP\AJ    | Ok       |
| 4   | PB167231BL          | PB167231BL          | FF015696.D     | 20 Mar 2025 12:31 |                                                                            | YP\AJ    | Ok       |
| 5   | PB167231BS          | PB167231BS          | FF015697.D     | 20 Mar 2025 13:00 | naphthalene break down - 0.084<br>, 2 methylnephthalene break down - 0.041 | YP\AJ    | Ok       |
| 6   | PB167231BSD         | PB167231BSD         | FF015698.D     | 20 Mar 2025 13:29 | naphthalene break down - 0.060<br>, 2 methylnephthalene break down - 0.035 | YP\AJ    | Ok       |
| 7   | Q1574-01            | WC1                 | FF015699.D     | 20 Mar 2025 13:59 |                                                                            | YP\AJ    | Ok,M     |
| 8   | Q1574-01D           | Q1574-01D           | FF015700.D     | 20 Mar 2025 14:28 |                                                                            | YP\AJ    | Ok,M     |
| 9   | Q1574-01MS          | WC1MS               | FF015701.D     | 20 Mar 2025 14:58 | FF015699.D                                                                 | YP\AJ    | Ok,M     |
| 10  | Q1574-01MSD         | WC1MSD              | FF015702.D     | 20 Mar 2025 15:27 | FF015699.D!FF015701.D                                                      | YP\AJ    | Ok,M     |
| 11  | Q1574-01DL          | WC1DL               | FF015703.D     | 20 Mar 2025 15:56 | need further dilution                                                      | YP\AJ    | Dilution |
| 12  | Q1574-01DL2         | WC1DL2              | FF015704.D     | 20 Mar 2025 16:26 |                                                                            | YP\AJ    | Ok,M     |
| 13  | I.BLK               | I.BLK               | FF015705.D     | 20 Mar 2025 17:54 |                                                                            | YP\AJ    | Ok       |
| 14  | 20 PPM ALIPHATIC HC | 20 PPM ALIPHATIC HC | FF015706.D     | 20 Mar 2025 18:23 |                                                                            | YP\AJ    | Ok       |
| 15  | PB167245BL          | PB167245BL          | FF015707.D     | 20 Mar 2025 20:21 |                                                                            | YP\AJ    | Ok       |
| 16  | PB167245BS          | PB167245BS          | FF015708.D     | 20 Mar 2025 20:51 | naphthalene break down - 0.074<br>, 2 methylnephthalene break down - 0.049 | YP\AJ    | Ok       |

Instrument ID: FID\_F

**Daily Analysis Runlog For Sequence/QC Batch ID # FF032025AL**

| Review By                                                          | yogesh                                  | Review On         | 3/20/2025 1:16:45 PM |            |
|--------------------------------------------------------------------|-----------------------------------------|-------------------|----------------------|------------|
| Supervise By                                                       | mohammad                                | Supervise On      | 3/24/2025 3:03:41 AM |            |
| SubDirectory                                                       | FF032025AL                              | HP Acquire Method | HP Processing Method | FF031725AL |
| STD. NAME                                                          | STD REF.#                               |                   |                      |            |
| Tune/Reschk<br>Initial Calibration Stds                            | PP24170,PP24175,PP24176,PP24177,PP24178 |                   |                      |            |
| CCC<br>Internal Standard/PEM                                       | PP24176                                 |                   |                      |            |
| ICV/I.BLK<br>Surrogate Standard<br>MS/MSD Standard<br>LCS Standard | PP24174,PP24179                         |                   |                      |            |

|    |                     |                     |            |                   |                                                                               |       |          |
|----|---------------------|---------------------|------------|-------------------|-------------------------------------------------------------------------------|-------|----------|
| 17 | PB167245BSD         | PB167245BSD         | FF015709.D | 20 Mar 2025 21:20 | naphthalene break down - 0.076<br>, 2 methylnephthalene break<br>down - 0.049 | YP\AJ | Ok       |
| 18 | Q1604-02            | FRAC-TANK-N45878    | FF015710.D | 20 Mar 2025 21:49 |                                                                               | YP\AJ | Ok       |
| 19 | Q1606-11            | N48965              | FF015711.D | 20 Mar 2025 22:19 | need 50x & 200x dilution                                                      | YP\AJ | Dilution |
| 20 | I.BLK               | I.BLK               | FF015712.D | 20 Mar 2025 23:17 |                                                                               | YP\AJ | Ok       |
| 21 | 20 PPM ALIPHATIC HC | 20 PPM ALIPHATIC HC | FF015713.D | 20 Mar 2025 23:47 |                                                                               | YP\AJ | Ok       |

M : Manual Integration

Instrument ID: FID\_G

**Daily Analysis Runlog For Sequence/QC Batch ID # FG031725AR**

|                                         |                                         |                   |                                 |
|-----------------------------------------|-----------------------------------------|-------------------|---------------------------------|
| Review By                               | yogesh                                  | Review On         | 3/17/2025 3:14:44 PM            |
| Supervise By                            | mohammad                                | Supervise On      | 3/19/2025 6:51:51 AM            |
| SubDirectory                            | FG031725AR                              | HP Acquire Method | HP Processing Method FG031725AR |
| <b>STD. NAME</b>                        | <b>STD REF.#</b>                        |                   |                                 |
| Tune/Reschk<br>Initial Calibration Stds | PP23968,PP24202,PP24203,PP24204,PP24205 |                   |                                 |
| CCC                                     | PP24203                                 |                   |                                 |
| Internal Standard/PEM                   | PP23969,PP24206                         |                   |                                 |
| ICV/I.BLK                               |                                         |                   |                                 |
| Surrogate Standard                      |                                         |                   |                                 |
| MS/MSD Standard                         |                                         |                   |                                 |
| LCS Standard                            |                                         |                   |                                 |

| Sr# | SampleID            | ClientID            | Data File Name | Date-Time         | Comment | Operator | Status |
|-----|---------------------|---------------------|----------------|-------------------|---------|----------|--------|
| 1   | MECL2               | MECL2               | FG015500.D     | 17 Mar 2025 16:33 |         | YP\AJ    | Ok     |
| 2   | I.BLK               | I.BLK               | FG015501.D     | 17 Mar 2025 17:02 |         | YP\AJ    | Ok     |
| 3   | 100 PPM AROMATIC HC | 100 PPM AROMATIC HC | FG015502.D     | 17 Mar 2025 17:32 |         | YP\AJ    | Ok,M   |
| 4   | 50 PPM AROMATIC HC  | 50 PPM AROMATIC HC  | FG015503.D     | 17 Mar 2025 18:01 |         | YP\AJ    | Ok     |
| 5   | 20 PPM AROMATIC HC  | 20 PPM AROMATIC HC  | FG015504.D     | 17 Mar 2025 18:31 |         | YP\AJ    | Ok     |
| 6   | 10 PPM AROMATIC HC  | 10 PPM AROMATIC HC  | FG015505.D     | 17 Mar 2025 19:00 |         | YP\AJ    | Ok     |
| 7   | 5 PPM AROMATIC HC   | 5 PPM AROMATIC HC   | FG015506.D     | 17 Mar 2025 19:29 |         | YP\AJ    | Ok     |
| 8   | 20 PPM AROMATIC HC  | 20 PPM AROMATIC HC  | FG015507.D     | 17 Mar 2025 19:59 |         | YP\AJ    | Ok     |
| 9   | I.BLK               | I.BLK               | FG015508.D     | 17 Mar 2025 20:57 |         | YP\AJ    | Ok     |
| 10  | 20 PPM AROMATIC HC  | 20 PPM AROMATIC HC  | FG015509.D     | 17 Mar 2025 21:27 |         | YP\AJ    | Ok     |

M : Manual Integration



Instrument ID: FID\_G

**Daily Analysis Runlog For Sequence/QC Batch ID # FG032025AR**

|                                         |                                         |                   |                                 |
|-----------------------------------------|-----------------------------------------|-------------------|---------------------------------|
| Review By                               | yogesh                                  | Review On         | 3/20/2025 1:17:44 PM            |
| Supervise By                            | mohammad                                | Supervise On      | 3/24/2025 3:03:47 AM            |
| SubDirectory                            | FG032025AR                              | HP Acquire Method | HP Processing Method FG031725AR |
| <b>STD. NAME</b>                        | <b>STD REF.#</b>                        |                   |                                 |
| Tune/Reschk<br>Initial Calibration Stds | PP23968,PP24202,PP24203,PP24204,PP24205 |                   |                                 |
| CCC                                     | PP24203                                 |                   |                                 |
| Internal Standard/PEM                   | PP23969,PP24206                         |                   |                                 |
| ICV/I.BLK                               |                                         |                   |                                 |
| Surrogate Standard                      |                                         |                   |                                 |
| MS/MSD Standard                         |                                         |                   |                                 |
| LCS Standard                            |                                         |                   |                                 |

| Sr# | SampleID           | ClientID           | Data File Name | Date-Time         | Comment                                                                   | Operator | Status |
|-----|--------------------|--------------------|----------------|-------------------|---------------------------------------------------------------------------|----------|--------|
| 1   | MECL2              | MECL2              | FG015510.D     | 20 Mar 2025 08:58 |                                                                           | YPIAJ    | Ok     |
| 2   | I.BLK              | I.BLK              | FG015511.D     | 20 Mar 2025 09:27 |                                                                           | YPIAJ    | Ok     |
| 3   | 20 PPM AROMATIC HC | 20 PPM AROMATIC HC | FG015512.D     | 20 Mar 2025 11:24 |                                                                           | YPIAJ    | Ok     |
| 4   | PB167231BL         | PB167231BL         | FG015513.D     | 20 Mar 2025 12:31 |                                                                           | YPIAJ    | Ok,M   |
| 5   | PB167231BS         | PB167231BS         | FG015514.D     | 20 Mar 2025 13:00 | naphthalene break down - 0.084<br>, 2 methylnepthalene break down - 0.041 | YPIAJ    | Ok,M   |
| 6   | PB167231BSD        | PB167231BSD        | FG015515.D     | 20 Mar 2025 13:29 | naphthalene break down - 0.060<br>, 2 methylnepthalene break down - 0.035 | YPIAJ    | Ok,M   |
| 7   | Q1574-01           | WC1                | FG015516.D     | 20 Mar 2025 13:59 |                                                                           | YPIAJ    | Ok     |
| 8   | Q1574-01D          | Q1574-01D          | FG015517.D     | 20 Mar 2025 14:28 |                                                                           | YPIAJ    | Ok     |
| 9   | Q1574-01MS         | WC1MS              | FG015518.D     | 20 Mar 2025 14:58 | FG015516.D                                                                | YPIAJ    | Ok,M   |
| 10  | Q1574-01MSD        | WC1MSD             | FG015519.D     | 20 Mar 2025 15:27 | FG015516.D!FG015518.D                                                     | YPIAJ    | Ok,M   |
| 11  | Q1574-01DL         | WC1DL              | FG015520.D     | 20 Mar 2025 15:56 | not required                                                              | YPIAJ    | Not Ok |
| 12  | Q1574-01DL         | WC1DL              | FG015521.D     | 20 Mar 2025 16:26 |                                                                           | YPIAJ    | Ok     |
| 13  | I.BLK              | I.BLK              | FG015522.D     | 20 Mar 2025 17:54 |                                                                           | YPIAJ    | Ok     |
| 14  | 20 PPM AROMATIC HC | 20 PPM AROMATIC HC | FG015523.D     | 20 Mar 2025 18:23 |                                                                           | YPIAJ    | Ok     |
| 15  | PB167245BL         | PB167245BL         | FG015524.D     | 20 Mar 2025 20:21 |                                                                           | YPIAJ    | Ok     |
| 16  | PB167245BS         | PB167245BS         | FG015525.D     | 20 Mar 2025 20:51 | naphthalene break down - 0.074<br>, 2 methylnepthalene break down - 0.049 | YPIAJ    | Ok,M   |

Instrument ID: FID\_G

**Daily Analysis Runlog For Sequence/QC Batch ID # FG032025AR**

| Review By                               | yogesh                                  | Review On         | 3/20/2025 1:17:44 PM            |
|-----------------------------------------|-----------------------------------------|-------------------|---------------------------------|
| Supervise By                            | mohammad                                | Supervise On      | 3/24/2025 3:03:47 AM            |
| SubDirectory                            | FG032025AR                              | HP Acquire Method | HP Processing Method FG031725AR |
| STD. NAME                               | STD REF.#                               |                   |                                 |
| Tune/Reschk<br>Initial Calibration Stds | PP23968,PP24202,PP24203,PP24204,PP24205 |                   |                                 |
| CCC                                     | PP24203                                 |                   |                                 |
| Internal Standard/PEM                   |                                         |                   |                                 |
| ICV/I.BLK                               | PP23969,PP24206                         |                   |                                 |
| Surrogate Standard                      |                                         |                   |                                 |
| MS/MSD Standard                         |                                         |                   |                                 |
| LCS Standard                            |                                         |                   |                                 |

|    |                    |                    |            |                   |                                                                               |       |          |
|----|--------------------|--------------------|------------|-------------------|-------------------------------------------------------------------------------|-------|----------|
| 17 | PB167245BSD        | PB167245BSD        | FG015526.D | 20 Mar 2025 21:20 | naphthalene break down - 0.076<br>, 2 methylnephthalene break<br>down - 0.049 | YP\AJ | Ok,M     |
| 18 | Q1604-02           | FRAC-TANK-N45878   | FG015527.D | 20 Mar 2025 21:49 |                                                                               | YP\AJ | Ok       |
| 19 | Q1606-11           | N48965             | FG015528.D | 20 Mar 2025 22:19 | need 2x, 10x & 50x dilution                                                   | YP\AJ | Dilution |
| 20 | I.BLK              | I.BLK              | FG015529.D | 20 Mar 2025 23:17 |                                                                               | YP\AJ | Ok       |
| 21 | 20 PPM AROMATIC HC | 20 PPM AROMATIC HC | FG015530.D | 20 Mar 2025 23:47 |                                                                               | YP\AJ | Ok       |

M : Manual Integration

**SOP ID:** MNJDEP-EPH-7

**Clean Up SOP #:** N/A **Extraction Start Date :** 03/19/2025

**Matrix :** Solid **Extraction Start Time :** 15:00

**Weigh By:** EH **Extraction By:** RJ **Extraction End Date :** 03/20/2025

**Balance check:** RJ **Filter By:** RJ **Extraction End Time :** 10:30

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

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

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

| Standardized Name       | MLS USED | Concentration ug/mL | STD REF. # FROM LOG |
|-------------------------|----------|---------------------|---------------------|
| Spike Sol 1             | 1.0ML    | 100 PPM             | PP24207             |
| Surrogate               | 1.0ML    | 100 PPM             | PP24210             |
| Fractionation Surrogate | 1.0ML    | 100 PPM             | PP24216             |
| 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            | EP2591     |
| Baked Na2SO4       | N/A            | EP2595     |
| Sand               | N/A            | E2865      |
| Hexane             | N/A            | E3914      |
| Methylene Chloride | N/A            | E3904      |
| EPH Cartridge      | N/A            | E3757      |
| N/A                | N/A            | N/A        |
| N/A                | N/A            | N/A        |
| N/A                | N/A            | N/A        |
| N/A                | N/A            | N/A        |
| N/A                | N/A            | N/A        |
| N/A                | N/A            | N/A        |
| N/A                | N/A            | N/A        |
| N/A                | N/A            | N/A        |

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

1.5ML Vial Lot # 2210673.

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

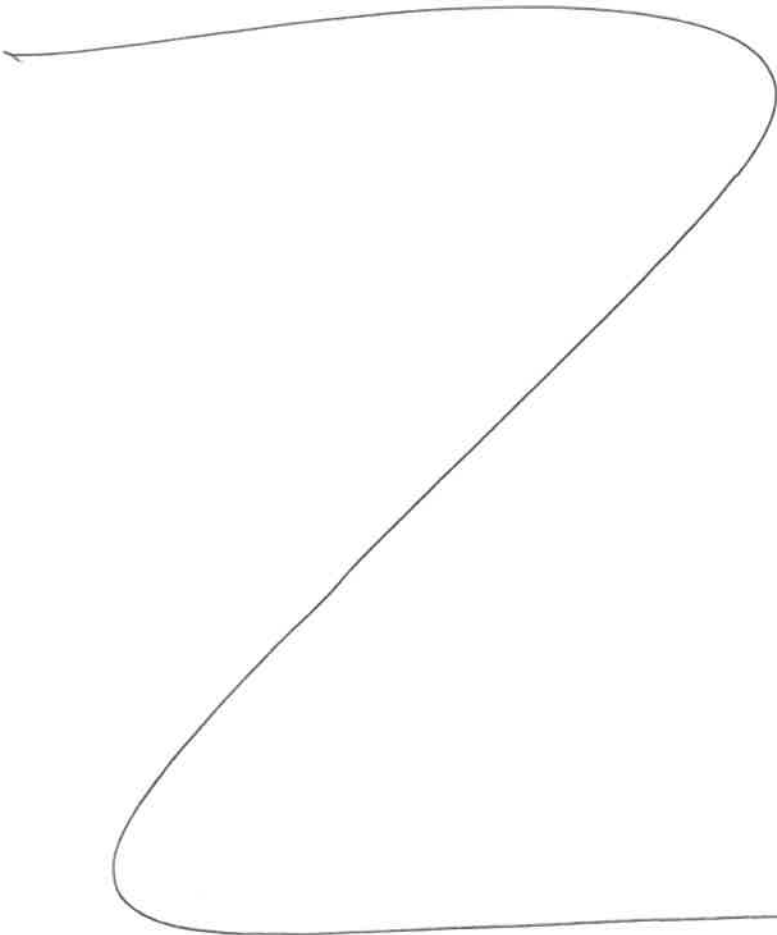
**KD Bath Temperature:** N/A **Envap Temperature:** 40 °C

| Date / Time | Prepped Sample Relinquished By/Location | Received By/Location |
|-------------|-----------------------------------------|----------------------|
| 3/20/25     | RS (Ext Lab)                            | Y-P. Pestil          |
| 10:35       | Preparation Group                       | Analysis Group       |

Analytical Method: MNJDEP-EPH-7

Concentration Date: 03/20/2025

| Sample ID   | Client Sample ID | Test | g mL  | PH  | Surr/Spike By: |            | Final Vol.<br>(mL) | JarID | Comments | Prep Pos |
|-------------|------------------|------|-------|-----|----------------|------------|--------------------|-------|----------|----------|
|             |                  |      |       |     | AddedBy        | VerifiedBy |                    |       |          |          |
| PB167231BL  | PB167231BL       | EPH  | 30.01 | N/A | ritesh         | Evelyn     | 2                  |       |          | U6-1     |
| PB167231BS  | PB167231BS       | EPH  | 30.03 | N/A | ritesh         | Evelyn     | 2                  |       |          | 2        |
| PB167231BSD | PB167231BSD      | EPH  | 30.01 | N/A | ritesh         | Evelyn     | 2                  |       |          | 3        |
| Q1574-01    | WC1              | EPH  | 30.09 | N/A | ritesh         | Evelyn     | 2                  | C     |          | 4        |
| Q1574-01DUP | WC1DUP           | EPH  | 30.07 | N/A | ritesh         | Evelyn     | 2                  | C     |          | 5        |
| Q1574-01MS  | WC1MS            | EPH  | 30.03 | N/A | ritesh         | Evelyn     | 2                  | C     |          | 6        |
| Q1574-01MSD | WC1MSD           | EPH  | 30.05 | N/A | ritesh         | Evelyn     | 2                  | C     |          | U7-1     |



RS  
3/20

\* Extracts relinquished on the same date as received.

167231  
15:00

# WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q1574

WorkList ID : 188400

Department : Extraction

Date : 03-19-2025 14:54:36

| Sample   | Customer Sample | Matrix | Test | Preservative | Customer | Raw Sample<br>Storage<br>Location | Collect Date | Method |
|----------|-----------------|--------|------|--------------|----------|-----------------------------------|--------------|--------|
| Q1574-01 | WC1             | Solid  | EPH  | Cool 4 deg C | GENV01   | I41                               | 03/12/2025   | NJEPH  |

Date/Time

3/19/25 14:55

Raw Sample Received by:

RJ (Ext Lab)

Raw Sample Relinquished by:

JUS

Date/Time

3/19/25 15:10

Raw Sample Received by:

JUS

Raw Sample Relinquished by:

RJ (Ext Lab)

## LAB CHRONICLE

|                 |                 |                   |                       |
|-----------------|-----------------|-------------------|-----------------------|
| <b>OrderID:</b> | Q1574           | <b>OrderDate:</b> | 3/14/2025 11:25:00 AM |
| <b>Client:</b>  | G Environmental | <b>Project:</b>   | Ave L                 |
| <b>Contact:</b> | Gary Landis     | <b>Location:</b>  | I41,VOA Ref. #2 Soil  |

| LabID       | ClientID | Matrix | Test | Method | Sample Date | Prep Date | Anal Date | Received |
|-------------|----------|--------|------|--------|-------------|-----------|-----------|----------|
| Q1574-01    | WC1      | SOIL   | PCB  | 8082A  | 03/12/25    | 03/14/25  | 03/17/25  | 03/14/25 |
|             |          |        | EPH  | NJEPH  |             | 03/19/25  | 03/20/25  |          |
| Q1574-01DL  | WC1DL    | SOIL   | PCB  | 8082A  | 03/12/25    | 03/14/25  | 03/17/25  | 03/14/25 |
|             |          |        | EPH  | NJEPH  |             | 03/19/25  | 03/20/25  |          |
| Q1574-01DL2 | WC1DL2   | SOIL   | EPH  | NJEPH  | 03/12/25    | 03/19/25  | 03/20/25  | 03/14/25 |
|             |          |        |      |        |             |           |           |          |

### Hit Summary Sheet SW-846

**SDG No.:** Q1574 **Order ID:** Q1574  
**Client:** G Environmental **Project ID:** Ave L

| Sample ID              | Client ID | Matrix | Parameter | Concentration | C | MDL   | RDL  | Units |
|------------------------|-----------|--------|-----------|---------------|---|-------|------|-------|
| <b>Client ID : WC1</b> |           |        |           |               |   |       |      |       |
| Q1574-01               | WC1       | SOIL   | Aluminum  | 7830          |   | 2.11  | 4.38 | mg/Kg |
| Q1574-01               | WC1       | SOIL   | Antimony  | 23.9          |   | 0.13  | 2.19 | mg/Kg |
| Q1574-01               | WC1       | SOIL   | Arsenic   | 112           |   | 0.25  | 0.88 | mg/Kg |
| Q1574-01               | WC1       | SOIL   | Barium    | 267           |   | 0.56  | 4.38 | mg/Kg |
| Q1574-01               | WC1       | SOIL   | Beryllium | 1.58          |   | 0.011 | 0.26 | mg/Kg |
| Q1574-01               | WC1       | SOIL   | Cadmium   | 13.9          |   | 0.014 | 0.26 | mg/Kg |
| Q1574-01               | WC1       | SOIL   | Calcium   | 7580          |   | 2.45  | 87.6 | mg/Kg |
| Q1574-01               | WC1       | SOIL   | Chromium  | 118           | D | 0.95  | 8.76 | mg/Kg |
| Q1574-01               | WC1       | SOIL   | Cobalt    | 39.8          |   | 0.051 | 1.31 | mg/Kg |
| Q1574-01               | WC1       | SOIL   | Copper    | 42300         | D | 8.23  | 17.5 | mg/Kg |
| Q1574-01               | WC1       | SOIL   | Iron      | 140000        | D | 47.1  | 87.6 | mg/Kg |
| Q1574-01               | WC1       | SOIL   | Lead      | 1590          |   | 0.13  | 0.53 | mg/Kg |
| Q1574-01               | WC1       | SOIL   | Magnesium | 2890          |   | 3.00  | 87.6 | mg/Kg |
| Q1574-01               | WC1       | SOIL   | Manganese | 491           |   | 0.062 | 0.88 | mg/Kg |
| Q1574-01               | WC1       | SOIL   | Mercury   | 18.7          | D | 0.36  | 0.64 | mg/Kg |
| Q1574-01               | WC1       | SOIL   | Nickel    | 1420          |   | 0.079 | 1.75 | mg/Kg |
| Q1574-01               | WC1       | SOIL   | Potassium | 736           |   | 25.1  | 87.6 | mg/Kg |
| Q1574-01               | WC1       | SOIL   | Silver    | 28.9          | D | 0.91  | 8.76 | mg/Kg |
| Q1574-01               | WC1       | SOIL   | Sodium    | 858           |   | 31.6  | 87.6 | mg/Kg |
| Q1574-01               | WC1       | SOIL   | Thallium  | 7.63          |   | 0.39  | 1.75 | mg/Kg |
| Q1574-01               | WC1       | SOIL   | Vanadium  | 33.1          |   | 0.24  | 1.75 | mg/Kg |
| Q1574-01               | WC1       | SOIL   | Zinc      | 16900         | D | 1.93  | 35.0 | mg/Kg |



# SAMPLE DATA



## Report of Analysis

|                   |                 |                 |          |
|-------------------|-----------------|-----------------|----------|
| Client:           | G Environmental | Date Collected: | 03/12/25 |
| Project:          | Ave L           | Date Received:  | 03/14/25 |
| Client Sample ID: | WC1             | SDG No.:        | Q1574    |
| Lab Sample ID:    | Q1574-01        | Matrix:         | SOIL     |
| Level (low/med):  | low             | % Solid:        | 98       |

| Cas       | Parameter | Conc.  | Qua. | DF | MDL   | LOQ / CRQL | Units(Dry Weight) | Prep Date      | Date Ana.      | Ana Met. | Prep Met. |
|-----------|-----------|--------|------|----|-------|------------|-------------------|----------------|----------------|----------|-----------|
| 7429-90-5 | Aluminum  | 7830   |      | 1  | 2.11  | 4.38       | mg/Kg             | 03/14/25 15:20 | 03/18/25 11:49 | SW6010   | SW3050    |
| 7440-36-0 | Antimony  | 23.9   | N    | 1  | 0.13  | 2.19       | mg/Kg             | 03/14/25 15:20 | 03/18/25 11:49 | SW6010   | SW3050    |
| 7440-38-2 | Arsenic   | 112    |      | 1  | 0.25  | 0.88       | mg/Kg             | 03/14/25 15:20 | 03/18/25 11:49 | SW6010   | SW3050    |
| 7440-39-3 | Barium    | 267    | N    | 1  | 0.56  | 4.38       | mg/Kg             | 03/14/25 15:20 | 03/18/25 11:49 | SW6010   | SW3050    |
| 7440-41-7 | Beryllium | 1.58   | N    | 1  | 0.011 | 0.26       | mg/Kg             | 03/14/25 15:20 | 03/18/25 11:49 | SW6010   | SW3050    |
| 7440-43-9 | Cadmium   | 13.9   |      | 1  | 0.014 | 0.26       | mg/Kg             | 03/14/25 15:20 | 03/18/25 11:49 | SW6010   | SW3050    |
| 7440-70-2 | Calcium   | 7580   |      | 1  | 2.45  | 87.6       | mg/Kg             | 03/14/25 15:20 | 03/18/25 11:49 | SW6010   | SW3050    |
| 7440-47-3 | Chromium  | 118    | DN   | 20 | 0.95  | 8.76       | mg/Kg             | 03/14/25 15:20 | 03/18/25 13:41 | SW6010   | SW3050    |
| 7440-48-4 | Cobalt    | 39.8   |      | 1  | 0.051 | 1.31       | mg/Kg             | 03/14/25 15:20 | 03/18/25 11:49 | SW6010   | SW3050    |
| 7440-50-8 | Copper    | 42300  | DN   | 20 | 8.23  | 17.5       | mg/Kg             | 03/14/25 15:20 | 03/18/25 13:41 | SW6010   | SW3050    |
| 7439-89-6 | Iron      | 140000 | D    | 20 | 47.1  | 87.6       | mg/Kg             | 03/14/25 15:20 | 03/18/25 13:41 | SW6010   | SW3050    |
| 7439-92-1 | Lead      | 1590   |      | 1  | 0.13  | 0.53       | mg/Kg             | 03/14/25 15:20 | 03/18/25 11:49 | SW6010   | SW3050    |
| 7439-95-4 | Magnesium | 2890   |      | 1  | 3.00  | 87.6       | mg/Kg             | 03/14/25 15:20 | 03/18/25 11:49 | SW6010   | SW3050    |
| 7439-96-5 | Manganese | 491    |      | 1  | 0.062 | 0.88       | mg/Kg             | 03/14/25 15:20 | 03/18/25 11:49 | SW6010   | SW3050    |
| 7439-97-6 | Mercury   | 18.7   | D    | 50 | 0.36  | 0.64       | mg/Kg             | 03/17/25 09:45 | 03/17/25 14:37 | SW7471B  |           |
| 7440-02-0 | Nickel    | 1420   |      | 1  | 0.079 | 1.75       | mg/Kg             | 03/14/25 15:20 | 03/18/25 11:49 | SW6010   | SW3050    |
| 7440-09-7 | Potassium | 736    |      | 1  | 25.1  | 87.6       | mg/Kg             | 03/14/25 15:20 | 03/18/25 11:49 | SW6010   | SW3050    |
| 7782-49-2 | Selenium  | 0.29   | U    | 1  | 0.29  | 0.88       | mg/Kg             | 03/14/25 15:20 | 03/18/25 11:49 | SW6010   | SW3050    |
| 7440-22-4 | Silver    | 28.9   | D    | 20 | 0.91  | 8.76       | mg/Kg             | 03/14/25 15:20 | 03/18/25 13:41 | SW6010   | SW3050    |
| 7440-23-5 | Sodium    | 858    | N    | 1  | 31.6  | 87.6       | mg/Kg             | 03/14/25 15:20 | 03/18/25 11:49 | SW6010   | SW3050    |
| 7440-28-0 | Thallium  | 7.63   |      | 1  | 0.39  | 1.75       | mg/Kg             | 03/14/25 15:20 | 03/18/25 11:49 | SW6010   | SW3050    |
| 7440-62-2 | Vanadium  | 33.1   |      | 1  | 0.24  | 1.75       | mg/Kg             | 03/14/25 15:20 | 03/18/25 11:49 | SW6010   | SW3050    |
| 7440-66-6 | Zinc      | 16900  | DN   | 20 | 1.93  | 35.0       | mg/Kg             | 03/14/25 15:20 | 03/18/25 13:41 | SW6010   | SW3050    |

|               |            |                 |            |        |
|---------------|------------|-----------------|------------|--------|
| Color Before: | Brown      | Clarity Before: | Texture:   | Medium |
| Color After:  | Yellow     | Clarity After:  | Artifacts: |        |
| Comments:     | METALS-TAL |                 |            |        |

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

\* = indicates the duplicate analysis is not within control limits.

E = Indicates the reported value is estimated because of the presence of interference.

OR = Over Range

N =Spiked sample recovery not within control limits



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

**Metals**

**- 3a -**

**INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY**

**Client:** G Environmental **SDG No.:** Q1574  
**Contract:** GENV01 **Lab Code:** CHEM **Case No.:** Q1574 **SAS No.:** Q1574

| Sample ID | Analyte | Result<br>ug/L | Acceptance<br>Limit | Conc<br>Qual | CRQL | M  | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
|-----------|---------|----------------|---------------------|--------------|------|----|------------------|------------------|---------------|
| ICB45     | Mercury | 0.20           | +/-0.20             | U            | 0.20 | CV | 03/17/2025       | 13:30            | LB135056      |

**Metals**

**- 3a -**

**INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY**

**Client:** G Environmental **SDG No.:** Q1574  
**Contract:** GENV01 **Lab Code:** CHEM **Case No.:** Q1574 **SAS No.:** Q1574

| Sample ID | Analyte | Result<br>ug/L | Acceptance<br>Limit | Conc<br>Qual | CRQL | M  | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
|-----------|---------|----------------|---------------------|--------------|------|----|------------------|------------------|---------------|
| CCB17     | Mercury | 0.20           | +/-0.20             | U            | 0.20 | CV | 03/17/2025       | 13:35            | LB135056      |
| CCB18     | Mercury | 0.20           | +/-0.20             | U            | 0.20 | CV | 03/17/2025       | 14:07            | LB135056      |
| CCB19     | Mercury | 0.20           | +/-0.20             | U            | 0.20 | CV | 03/17/2025       | 14:42            | LB135056      |

**Metals**

- 3a -

**INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY**

| <b>Client:</b> G Environmental |                       | <b>SDG No.:</b> Q1574  |                       |              |      |   |                  |                  |               |
|--------------------------------|-----------------------|------------------------|-----------------------|--------------|------|---|------------------|------------------|---------------|
| <b>Contract:</b> GENV01        | <b>Lab Code:</b> CHEM | <b>Case No.:</b> Q1574 | <b>SAS No.:</b> Q1574 |              |      |   |                  |                  |               |
| Sample ID                      | Analyte               | Result<br>ug/L         | Acceptance<br>Limit   | Conc<br>Qual | CRQL | M | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
| ICB01                          | Aluminum              | 100                    | +/-100                | U            | 100  | P | 03/18/2025       | 10:45            | LB135083      |
|                                | Antimony              | 50.0                   | +/-50.0               | U            | 50.0 | P | 03/18/2025       | 10:45            | LB135083      |
|                                | Arsenic               | 20.0                   | +/-20.0               | U            | 20.0 | P | 03/18/2025       | 10:45            | LB135083      |
|                                | Barium                | 100                    | +/-100                | U            | 100  | P | 03/18/2025       | 10:45            | LB135083      |
|                                | Beryllium             | 6.00                   | +/-6.00               | U            | 6.00 | P | 03/18/2025       | 10:45            | LB135083      |
|                                | Cadmium               | 6.00                   | +/-6.00               | U            | 6.00 | P | 03/18/2025       | 10:45            | LB135083      |
|                                | Calcium               | 2000                   | +/-2000               | U            | 2000 | P | 03/18/2025       | 10:45            | LB135083      |
|                                | Chromium              | 10.0                   | +/-10.0               | U            | 10.0 | P | 03/18/2025       | 10:45            | LB135083      |
|                                | Cobalt                | 30.0                   | +/-30.0               | U            | 30.0 | P | 03/18/2025       | 10:45            | LB135083      |
|                                | Copper                | 20.0                   | +/-20.0               | U            | 20.0 | P | 03/18/2025       | 10:45            | LB135083      |
|                                | Iron                  | 100                    | +/-100                | U            | 100  | P | 03/18/2025       | 10:45            | LB135083      |
|                                | Lead                  | 12.0                   | +/-12.0               | U            | 12.0 | P | 03/18/2025       | 10:45            | LB135083      |
|                                | Magnesium             | 2000                   | +/-2000               | U            | 2000 | P | 03/18/2025       | 10:45            | LB135083      |
|                                | Manganese             | 20.0                   | +/-20.0               | U            | 20.0 | P | 03/18/2025       | 10:45            | LB135083      |
|                                | Nickel                | 40.0                   | +/-40.0               | U            | 40.0 | P | 03/18/2025       | 10:45            | LB135083      |
|                                | Potassium             | 2000                   | +/-2000               | U            | 2000 | P | 03/18/2025       | 10:45            | LB135083      |
|                                | Selenium              | 20.0                   | +/-20.0               | U            | 20.0 | P | 03/18/2025       | 10:45            | LB135083      |
|                                | Silver                | 10.0                   | +/-10.0               | U            | 10.0 | P | 03/18/2025       | 10:45            | LB135083      |
|                                | Sodium                | 2000                   | +/-2000               | U            | 2000 | P | 03/18/2025       | 10:45            | LB135083      |
|                                | Thallium              | 40.0                   | +/-40.0               | U            | 40.0 | P | 03/18/2025       | 10:45            | LB135083      |
|                                | Vanadium              | 40.0                   | +/-40.0               | U            | 40.0 | P | 03/18/2025       | 10:45            | LB135083      |
|                                | Zinc                  | 40.0                   | +/-40.0               | U            | 40.0 | P | 03/18/2025       | 10:45            | LB135083      |

**Metals**

- 3a -

**INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY**

| <b>Client:</b> G Environmental |                       | <b>SDG No.:</b> Q1574  |                       |              |      |   |                  |                  |               |
|--------------------------------|-----------------------|------------------------|-----------------------|--------------|------|---|------------------|------------------|---------------|
| <b>Contract:</b> GENV01        | <b>Lab Code:</b> CHEM | <b>Case No.:</b> Q1574 | <b>SAS No.:</b> Q1574 |              |      |   |                  |                  |               |
| Sample ID                      | Analyte               | Result<br>ug/L         | Acceptance<br>Limit   | Conc<br>Qual | CRQL | M | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
| CCB01                          | Aluminum              | 100                    | +/-100                | U            | 100  | P | 03/18/2025       | 11:13            | LB135083      |
|                                | Antimony              | 50.0                   | +/-50.0               | U            | 50.0 | P | 03/18/2025       | 11:13            | LB135083      |
|                                | Arsenic               | 20.0                   | +/-20.0               | U            | 20.0 | P | 03/18/2025       | 11:13            | LB135083      |
|                                | Barium                | 100                    | +/-100                | U            | 100  | P | 03/18/2025       | 11:13            | LB135083      |
|                                | Beryllium             | 6.00                   | +/-6.00               | U            | 6.00 | P | 03/18/2025       | 11:13            | LB135083      |
|                                | Cadmium               | 6.00                   | +/-6.00               | U            | 6.00 | P | 03/18/2025       | 11:13            | LB135083      |
|                                | Calcium               | 2000                   | +/-2000               | U            | 2000 | P | 03/18/2025       | 11:13            | LB135083      |
|                                | Chromium              | 10.0                   | +/-10.0               | U            | 10.0 | P | 03/18/2025       | 11:13            | LB135083      |
|                                | Cobalt                | 30.0                   | +/-30.0               | U            | 30.0 | P | 03/18/2025       | 11:13            | LB135083      |
|                                | Copper                | 20.0                   | +/-20.0               | U            | 20.0 | P | 03/18/2025       | 11:13            | LB135083      |
|                                | Iron                  | 100                    | +/-100                | U            | 100  | P | 03/18/2025       | 11:13            | LB135083      |
|                                | Lead                  | 12.0                   | +/-12.0               | U            | 12.0 | P | 03/18/2025       | 11:13            | LB135083      |
|                                | Magnesium             | 2000                   | +/-2000               | U            | 2000 | P | 03/18/2025       | 11:13            | LB135083      |
|                                | Manganese             | 20.0                   | +/-20.0               | U            | 20.0 | P | 03/18/2025       | 11:13            | LB135083      |
|                                | Nickel                | 40.0                   | +/-40.0               | U            | 40.0 | P | 03/18/2025       | 11:13            | LB135083      |
|                                | Potassium             | 2000                   | +/-2000               | U            | 2000 | P | 03/18/2025       | 11:13            | LB135083      |
|                                | Selenium              | 20.0                   | +/-20.0               | U            | 20.0 | P | 03/18/2025       | 11:13            | LB135083      |
|                                | Silver                | 10.0                   | +/-10.0               | U            | 10.0 | P | 03/18/2025       | 11:13            | LB135083      |
|                                | Sodium                | 2000                   | +/-2000               | U            | 2000 | P | 03/18/2025       | 11:13            | LB135083      |
|                                | Thallium              | 40.0                   | +/-40.0               | U            | 40.0 | P | 03/18/2025       | 11:13            | LB135083      |
|                                | Vanadium              | 40.0                   | +/-40.0               | U            | 40.0 | P | 03/18/2025       | 11:13            | LB135083      |
|                                | Zinc                  | 40.0                   | +/-40.0               | U            | 40.0 | P | 03/18/2025       | 11:13            | LB135083      |
| CCB02                          | Aluminum              | 100                    | +/-100                | U            | 100  | P | 03/18/2025       | 12:17            | LB135083      |
|                                | Antimony              | 50.0                   | +/-50.0               | U            | 50.0 | P | 03/18/2025       | 12:17            | LB135083      |
|                                | Arsenic               | 20.0                   | +/-20.0               | U            | 20.0 | P | 03/18/2025       | 12:17            | LB135083      |
|                                | Barium                | 100                    | +/-100                | U            | 100  | P | 03/18/2025       | 12:17            | LB135083      |
|                                | Beryllium             | 6.00                   | +/-6.00               | U            | 6.00 | P | 03/18/2025       | 12:17            | LB135083      |
|                                | Cadmium               | 6.00                   | +/-6.00               | U            | 6.00 | P | 03/18/2025       | 12:17            | LB135083      |
|                                | Calcium               | 2000                   | +/-2000               | U            | 2000 | P | 03/18/2025       | 12:17            | LB135083      |
|                                | Chromium              | 10.0                   | +/-10.0               | U            | 10.0 | P | 03/18/2025       | 12:17            | LB135083      |
|                                | Cobalt                | 30.0                   | +/-30.0               | U            | 30.0 | P | 03/18/2025       | 12:17            | LB135083      |
|                                | Copper                | 20.0                   | +/-20.0               | U            | 20.0 | P | 03/18/2025       | 12:17            | LB135083      |
|                                | Iron                  | 100                    | +/-100                | U            | 100  | P | 03/18/2025       | 12:17            | LB135083      |
|                                | Lead                  | 12.0                   | +/-12.0               | U            | 12.0 | P | 03/18/2025       | 12:17            | LB135083      |
|                                | Magnesium             | 2000                   | +/-2000               | U            | 2000 | P | 03/18/2025       | 12:17            | LB135083      |
|                                | Manganese             | 20.0                   | +/-20.0               | U            | 20.0 | P | 03/18/2025       | 12:17            | LB135083      |
|                                | Nickel                | 40.0                   | +/-40.0               | U            | 40.0 | P | 03/18/2025       | 12:17            | LB135083      |
|                                | Potassium             | 2000                   | +/-2000               | U            | 2000 | P | 03/18/2025       | 12:17            | LB135083      |
|                                | Selenium              | 20.0                   | +/-20.0               | U            | 20.0 | P | 03/18/2025       | 12:17            | LB135083      |

**Metals**

- 3a -

**INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY**

| <b>Client:</b> G Environmental |                       | <b>SDG No.:</b> Q1574  |                       |              |      |   |                  |                  |               |
|--------------------------------|-----------------------|------------------------|-----------------------|--------------|------|---|------------------|------------------|---------------|
| <b>Contract:</b> GENV01        | <b>Lab Code:</b> CHEM | <b>Case No.:</b> Q1574 | <b>SAS No.:</b> Q1574 |              |      |   |                  |                  |               |
| Sample ID                      | Analyte               | Result<br>ug/L         | Acceptance<br>Limit   | Conc<br>Qual | CRQL | M | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
| CCB02                          | Silver                | 10.0                   | +/-10.0               | U            | 10.0 | P | 03/18/2025       | 12:17            | LB135083      |
|                                | Sodium                | 2000                   | +/-2000               | U            | 2000 | P | 03/18/2025       | 12:17            | LB135083      |
|                                | Thallium              | 40.0                   | +/-40.0               | U            | 40.0 | P | 03/18/2025       | 12:17            | LB135083      |
|                                | Vanadium              | 40.0                   | +/-40.0               | U            | 40.0 | P | 03/18/2025       | 12:17            | LB135083      |
|                                | Zinc                  | 40.0                   | +/-40.0               | U            | 40.0 | P | 03/18/2025       | 12:17            | LB135083      |
| CCB03                          | Aluminum              | 100                    | +/-100                | U            | 100  | P | 03/18/2025       | 13:13            | LB135083      |
|                                | Antimony              | 50.0                   | +/-50.0               | U            | 50.0 | P | 03/18/2025       | 13:13            | LB135083      |
|                                | Arsenic               | 20.0                   | +/-20.0               | U            | 20.0 | P | 03/18/2025       | 13:13            | LB135083      |
|                                | Barium                | 100                    | +/-100                | U            | 100  | P | 03/18/2025       | 13:13            | LB135083      |
|                                | Beryllium             | 6.00                   | +/-6.00               | U            | 6.00 | P | 03/18/2025       | 13:13            | LB135083      |
|                                | Cadmium               | 6.00                   | +/-6.00               | U            | 6.00 | P | 03/18/2025       | 13:13            | LB135083      |
|                                | Calcium               | 2000                   | +/-2000               | U            | 2000 | P | 03/18/2025       | 13:13            | LB135083      |
|                                | Chromium              | 10.0                   | +/-10.0               | U            | 10.0 | P | 03/18/2025       | 13:13            | LB135083      |
|                                | Cobalt                | 30.0                   | +/-30.0               | U            | 30.0 | P | 03/18/2025       | 13:13            | LB135083      |
|                                | Copper                | 20.0                   | +/-20.0               | U            | 20.0 | P | 03/18/2025       | 13:13            | LB135083      |
|                                | Iron                  | 100                    | +/-100                | U            | 100  | P | 03/18/2025       | 13:13            | LB135083      |
|                                | Lead                  | 12.0                   | +/-12.0               | U            | 12.0 | P | 03/18/2025       | 13:13            | LB135083      |
|                                | Magnesium             | 2000                   | +/-2000               | U            | 2000 | P | 03/18/2025       | 13:13            | LB135083      |
|                                | Manganese             | 20.0                   | +/-20.0               | U            | 20.0 | P | 03/18/2025       | 13:13            | LB135083      |
|                                | Nickel                | 40.0                   | +/-40.0               | U            | 40.0 | P | 03/18/2025       | 13:13            | LB135083      |
|                                | Potassium             | 2000                   | +/-2000               | U            | 2000 | P | 03/18/2025       | 13:13            | LB135083      |
|                                | Selenium              | 20.0                   | +/-20.0               | U            | 20.0 | P | 03/18/2025       | 13:13            | LB135083      |
|                                | Silver                | 10.0                   | +/-10.0               | U            | 10.0 | P | 03/18/2025       | 13:13            | LB135083      |
|                                | Sodium                | 2000                   | +/-2000               | U            | 2000 | P | 03/18/2025       | 13:13            | LB135083      |
|                                | Thallium              | 40.0                   | +/-40.0               | U            | 40.0 | P | 03/18/2025       | 13:13            | LB135083      |
|                                | Vanadium              | 40.0                   | +/-40.0               | U            | 40.0 | P | 03/18/2025       | 13:13            | LB135083      |
|                                | Zinc                  | 40.0                   | +/-40.0               | U            | 40.0 | P | 03/18/2025       | 13:13            | LB135083      |
| CCB04                          | Aluminum              | 100                    | +/-100                | U            | 100  | P | 03/18/2025       | 14:20            | LB135083      |
|                                | Antimony              | 50.0                   | +/-50.0               | U            | 50.0 | P | 03/18/2025       | 14:20            | LB135083      |
|                                | Arsenic               | 20.0                   | +/-20.0               | U            | 20.0 | P | 03/18/2025       | 14:20            | LB135083      |
|                                | Barium                | 100                    | +/-100                | U            | 100  | P | 03/18/2025       | 14:20            | LB135083      |
|                                | Beryllium             | 6.00                   | +/-6.00               | U            | 6.00 | P | 03/18/2025       | 14:20            | LB135083      |
|                                | Cadmium               | 6.00                   | +/-6.00               | U            | 6.00 | P | 03/18/2025       | 14:20            | LB135083      |
|                                | Calcium               | 2000                   | +/-2000               | U            | 2000 | P | 03/18/2025       | 14:20            | LB135083      |
|                                | Chromium              | 10.0                   | +/-10.0               | U            | 10.0 | P | 03/18/2025       | 14:20            | LB135083      |
|                                | Cobalt                | 30.0                   | +/-30.0               | U            | 30.0 | P | 03/18/2025       | 14:20            | LB135083      |
|                                | Copper                | 20.0                   | +/-20.0               | U            | 20.0 | P | 03/18/2025       | 14:20            | LB135083      |
|                                | Iron                  | 100                    | +/-100                | U            | 100  | P | 03/18/2025       | 14:20            | LB135083      |
|                                | Lead                  | 12.0                   | +/-12.0               | U            | 12.0 | P | 03/18/2025       | 14:20            | LB135083      |

# Metals

- 3a -

## INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: G Environmental SDG No.: Q1574  
Contract: GENV01 Lab Code: CHEM Case No.: Q1574 SAS No.: Q1574

| Sample ID | Analyte   | Result<br>ug/L | Acceptance<br>Limit | Conc<br>Qual | CRQL | M | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
|-----------|-----------|----------------|---------------------|--------------|------|---|------------------|------------------|---------------|
| CCB04     | Magnesium | 2000           | +/-2000             | U            | 2000 | P | 03/18/2025       | 14:20            | LB135083      |
|           | Manganese | 20.0           | +/-20.0             | U            | 20.0 | P | 03/18/2025       | 14:20            | LB135083      |
|           | Nickel    | 40.0           | +/-40.0             | U            | 40.0 | P | 03/18/2025       | 14:20            | LB135083      |
|           | Potassium | 2000           | +/-2000             | U            | 2000 | P | 03/18/2025       | 14:20            | LB135083      |
|           | Selenium  | 20.0           | +/-20.0             | U            | 20.0 | P | 03/18/2025       | 14:20            | LB135083      |
|           | Silver    | 10.0           | +/-10.0             | U            | 10.0 | P | 03/18/2025       | 14:20            | LB135083      |
|           | Sodium    | 2000           | +/-2000             | U            | 2000 | P | 03/18/2025       | 14:20            | LB135083      |
|           | Thallium  | 40.0           | +/-40.0             | U            | 40.0 | P | 03/18/2025       | 14:20            | LB135083      |
|           | Vanadium  | 40.0           | +/-40.0             | U            | 40.0 | P | 03/18/2025       | 14:20            | LB135083      |
|           | Zinc      | 40.0           | +/-40.0             | U            | 40.0 | P | 03/18/2025       | 14:20            | LB135083      |
| CCB05     | Aluminum  | 100            | +/-100              | U            | 100  | P | 03/18/2025       | 14:53            | LB135083      |
|           | Antimony  | 50.0           | +/-50.0             | U            | 50.0 | P | 03/18/2025       | 14:53            | LB135083      |
|           | Arsenic   | 20.0           | +/-20.0             | U            | 20.0 | P | 03/18/2025       | 14:53            | LB135083      |
|           | Barium    | 100            | +/-100              | U            | 100  | P | 03/18/2025       | 14:53            | LB135083      |
|           | Beryllium | 6.00           | +/-6.00             | U            | 6.00 | P | 03/18/2025       | 14:53            | LB135083      |
|           | Cadmium   | 6.00           | +/-6.00             | U            | 6.00 | P | 03/18/2025       | 14:53            | LB135083      |
|           | Calcium   | 2000           | +/-2000             | U            | 2000 | P | 03/18/2025       | 14:53            | LB135083      |
|           | Chromium  | 10.0           | +/-10.0             | U            | 10.0 | P | 03/18/2025       | 14:53            | LB135083      |
|           | Cobalt    | 30.0           | +/-30.0             | U            | 30.0 | P | 03/18/2025       | 14:53            | LB135083      |
|           | Copper    | 20.0           | +/-20.0             | U            | 20.0 | P | 03/18/2025       | 14:53            | LB135083      |
|           | Iron      | 100            | +/-100              | U            | 100  | P | 03/18/2025       | 14:53            | LB135083      |
|           | Lead      | 12.0           | +/-12.0             | U            | 12.0 | P | 03/18/2025       | 14:53            | LB135083      |
|           | Magnesium | 2000           | +/-2000             | U            | 2000 | P | 03/18/2025       | 14:53            | LB135083      |
|           | Manganese | 20.0           | +/-20.0             | U            | 20.0 | P | 03/18/2025       | 14:53            | LB135083      |
|           | Nickel    | 40.0           | +/-40.0             | U            | 40.0 | P | 03/18/2025       | 14:53            | LB135083      |
|           | Potassium | 2000           | +/-2000             | U            | 2000 | P | 03/18/2025       | 14:53            | LB135083      |
|           | Selenium  | 20.0           | +/-20.0             | U            | 20.0 | P | 03/18/2025       | 14:53            | LB135083      |
|           | Silver    | 10.0           | +/-10.0             | U            | 10.0 | P | 03/18/2025       | 14:53            | LB135083      |
|           | Sodium    | 2000           | +/-2000             | U            | 2000 | P | 03/18/2025       | 14:53            | LB135083      |
|           | Thallium  | 40.0           | +/-40.0             | U            | 40.0 | P | 03/18/2025       | 14:53            | LB135083      |
|           | Vanadium  | 40.0           | +/-40.0             | U            | 40.0 | P | 03/18/2025       | 14:53            | LB135083      |
|           | Zinc      | 40.0           | +/-40.0             | U            | 40.0 | P | 03/18/2025       | 14:53            | LB135083      |

**Metals**  
**- 3b -**  
**PREPARATION BLANK SUMMARY**

**Client:** G Environmental

**SDG No.:** Q1574

**Instrument:** CV1

| Sample ID         | Analyte | Result<br>(mg/Kg) | Acceptance<br>Limit | Conc<br>Qual         | CRQL<br>mg/Kg   | M  | Analysis<br>Date  | Analysis<br>Time  | Run      |
|-------------------|---------|-------------------|---------------------|----------------------|-----------------|----|-------------------|-------------------|----------|
| <b>PB167162BL</b> |         | <b>SOLID</b>      |                     | <b>Batch Number:</b> | <b>PB167162</b> |    | <b>Prep Date:</b> | <b>03/17/2025</b> |          |
|                   | Mercury | 0.013             | <0.013              | U                    | 0.013           | CV | 03/17/2025        | 13:44             | LB135056 |



**Metals**  
**- 3b -**  
**PREPARATION BLANK SUMMARY**

**Client:** G Environmental

**SDG No.:** Q1574

**Instrument:** P4

| Sample ID         | Analyte      | Result<br>(mg/Kg) | Acceptance<br>Limit | Conc<br>Qual         | CRQL<br>mg/Kg   | M | Analysis<br>Date  | Analysis<br>Time  | Run      |
|-------------------|--------------|-------------------|---------------------|----------------------|-----------------|---|-------------------|-------------------|----------|
| <b>PB167145BL</b> | <b>SOLID</b> |                   |                     | <b>Batch Number:</b> | <b>PB167145</b> |   | <b>Prep Date:</b> | <b>03/14/2025</b> |          |
|                   | Aluminum     | 4.69              | <4.69               | U                    | 4.69            | P | 03/18/2025        | 11:18             | LB135083 |
|                   | Antimony     | 2.35              | <2.35               | U                    | 2.35            | P | 03/18/2025        | 11:18             | LB135083 |
|                   | Arsenic      | 0.94              | <0.94               | U                    | 0.94            | P | 03/18/2025        | 11:18             | LB135083 |
|                   | Barium       | 4.69              | <4.69               | U                    | 4.69            | P | 03/18/2025        | 11:18             | LB135083 |
|                   | Beryllium    | 0.28              | <0.28               | U                    | 0.28            | P | 03/18/2025        | 11:18             | LB135083 |
|                   | Cadmium      | 0.28              | <0.28               | U                    | 0.28            | P | 03/18/2025        | 11:18             | LB135083 |
|                   | Calcium      | 93.9              | <93.9               | U                    | 93.9            | P | 03/18/2025        | 11:18             | LB135083 |
|                   | Chromium     | 0.47              | <0.47               | U                    | 0.47            | P | 03/18/2025        | 11:18             | LB135083 |
|                   | Cobalt       | 1.41              | <1.41               | U                    | 1.41            | P | 03/18/2025        | 11:18             | LB135083 |
|                   | Copper       | 0.94              | <0.94               | U                    | 0.94            | P | 03/18/2025        | 11:18             | LB135083 |
|                   | Iron         | 4.69              | <4.69               | U                    | 4.69            | P | 03/18/2025        | 11:18             | LB135083 |
|                   | Lead         | 0.56              | <0.56               | U                    | 0.56            | P | 03/18/2025        | 11:18             | LB135083 |
|                   | Magnesium    | 93.9              | <93.9               | U                    | 93.9            | P | 03/18/2025        | 11:18             | LB135083 |
|                   | Manganese    | 0.94              | <0.94               | U                    | 0.94            | P | 03/18/2025        | 11:18             | LB135083 |
|                   | Nickel       | 1.88              | <1.88               | U                    | 1.88            | P | 03/18/2025        | 11:18             | LB135083 |
|                   | Potassium    | 93.9              | <93.9               | U                    | 93.9            | P | 03/18/2025        | 11:18             | LB135083 |
|                   | Selenium     | 0.94              | <0.94               | U                    | 0.94            | P | 03/18/2025        | 11:18             | LB135083 |
|                   | Silver       | 0.47              | <0.47               | U                    | 0.47            | P | 03/18/2025        | 11:18             | LB135083 |
|                   | Sodium       | 93.9              | <93.9               | U                    | 93.9            | P | 03/18/2025        | 11:18             | LB135083 |
|                   | Thallium     | 1.88              | <1.88               | U                    | 1.88            | P | 03/18/2025        | 11:18             | LB135083 |
|                   | Vanadium     | 1.88              | <1.88               | U                    | 1.88            | P | 03/18/2025        | 11:18             | LB135083 |
|                   | Zinc         | 1.88              | <1.88               | U                    | 1.88            | P | 03/18/2025        | 11:18             | LB135083 |



# METAL CALIBRATION DATA

**Metals**

- 2a -

**INITIAL AND CONTINUING CALIBRATION VERIFICATION**

**Client:** G Environmental **SDG No.:** Q1574  
**Contract:** GENV01 **Lab Code:** CHEM **Case No.:** Q1574 **SAS No.:** Q1574  
**Initial Calibration Source:** EPA  
**Continuing Calibration Source:** PLASMA-PURE

| Sample ID | Analyte | Result<br>ug/L | True Value | %<br>Recovery | Acceptance<br>Window (%R) | M  | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
|-----------|---------|----------------|------------|---------------|---------------------------|----|------------------|------------------|---------------|
| ICV45     | Mercury | 3.97           | 4.0        | 99            | 90 - 110                  | CV | 03/17/2025       | 13:28            | LB135056      |

**Metals**

- 2a -

**INITIAL AND CONTINUING CALIBRATION VERIFICATION**

**Client:** G Environmental **SDG No.:** Q1574  
**Contract:** GENV01 **Lab Code:** CHEM **Case No.:** Q1574 **SAS No.:** Q1574  
**Initial Calibration Source:** EPA  
**Continuing Calibration Source:** PLASMA-PURE

| Sample ID | Analyte | Result<br>ug/L | True Value | %<br>Recovery | Acceptance<br>Window (%R) | M  | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
|-----------|---------|----------------|------------|---------------|---------------------------|----|------------------|------------------|---------------|
| CCV17     | Mercury | 5.06           | 5.0        | 101           | 90 - 110                  | CV | 03/17/2025       | 13:33            | LB135056      |
| CCV18     | Mercury | 5.04           | 5.0        | 101           | 90 - 110                  | CV | 03/17/2025       | 14:05            | LB135056      |
| CCV19     | Mercury | 5.29           | 5.0        | 106           | 90 - 110                  | CV | 03/17/2025       | 14:40            | LB135056      |

**Metals**

- 2a -

**INITIAL AND CONTINUING CALIBRATION VERIFICATION**

**Client:** G Environmental **SDG No.:** Q1574  
**Contract:** GENV01 **Lab Code:** CHEM **Case No.:** Q1574 **SAS No.:** Q1574  
**Initial Calibration Source:** EPA  
**Continuing Calibration Source:** Inorganic Ventures

| Sample ID | Analyte   | Result<br>ug/L | True Value | %<br>Recovery | Acceptance<br>Window (%R) | M | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
|-----------|-----------|----------------|------------|---------------|---------------------------|---|------------------|------------------|---------------|
| ICV01     | Aluminum  | 2530           | 2500       | 101           | 90 - 110                  | P | 03/18/2025       | 10:36            | LB135083      |
|           | Antimony  | 1010           | 1000       | 102           | 90 - 110                  | P | 03/18/2025       | 10:36            | LB135083      |
|           | Arsenic   | 1020           | 1000       | 102           | 90 - 110                  | P | 03/18/2025       | 10:36            | LB135083      |
|           | Barium    | 540            | 520        | 104           | 90 - 110                  | P | 03/18/2025       | 10:36            | LB135083      |
|           | Beryllium | 543            | 510        | 106           | 90 - 110                  | P | 03/18/2025       | 10:36            | LB135083      |
|           | Cadmium   | 510            | 510        | 100           | 90 - 110                  | P | 03/18/2025       | 10:36            | LB135083      |
|           | Calcium   | 9880           | 10000      | 99            | 90 - 110                  | P | 03/18/2025       | 10:36            | LB135083      |
|           | Chromium  | 537            | 520        | 103           | 90 - 110                  | P | 03/18/2025       | 10:36            | LB135083      |
|           | Cobalt    | 516            | 520        | 99            | 90 - 110                  | P | 03/18/2025       | 10:36            | LB135083      |
|           | Copper    | 530            | 510        | 104           | 90 - 110                  | P | 03/18/2025       | 10:36            | LB135083      |
|           | Iron      | 10200          | 10000      | 102           | 90 - 110                  | P | 03/18/2025       | 10:36            | LB135083      |
|           | Lead      | 1010           | 1000       | 101           | 90 - 110                  | P | 03/18/2025       | 10:36            | LB135083      |
|           | Magnesium | 5820           | 6000       | 97            | 90 - 110                  | P | 03/18/2025       | 10:36            | LB135083      |
|           | Manganese | 500            | 520        | 96            | 90 - 110                  | P | 03/18/2025       | 10:36            | LB135083      |
|           | Nickel    | 519            | 530        | 98            | 90 - 110                  | P | 03/18/2025       | 10:36            | LB135083      |
|           | Potassium | 9940           | 9900       | 100           | 90 - 110                  | P | 03/18/2025       | 10:36            | LB135083      |
|           | Selenium  | 1050           | 1000       | 105           | 90 - 110                  | P | 03/18/2025       | 10:36            | LB135083      |
|           | Silver    | 260            | 250        | 104           | 90 - 110                  | P | 03/18/2025       | 10:36            | LB135083      |
|           | Sodium    | 10100          | 10000      | 101           | 90 - 110                  | P | 03/18/2025       | 10:36            | LB135083      |
|           | Thallium  | 1070           | 1000       | 106           | 90 - 110                  | P | 03/18/2025       | 10:36            | LB135083      |
|           | Vanadium  | 519            | 500        | 104           | 90 - 110                  | P | 03/18/2025       | 10:36            | LB135083      |
|           | Zinc      | 1040           | 1000       | 104           | 90 - 110                  | P | 03/18/2025       | 10:36            | LB135083      |

**Metals**

- 2a -

**INITIAL AND CONTINUING CALIBRATION VERIFICATION**

**Client:** G Environmental **SDG No.:** Q1574  
**Contract:** GENV01 **Lab Code:** CHEM **Case No.:** Q1574 **SAS No.:** Q1574  
**Initial Calibration Source:** EPA  
**Continuing Calibration Source:** Inorganic Ventures

| Sample ID | Analyte   | Result<br>ug/L | True Value | %<br>Recovery | Acceptance<br>Window (%R) | M | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
|-----------|-----------|----------------|------------|---------------|---------------------------|---|------------------|------------------|---------------|
| LLICV01   | Aluminum  | 105            | 100        | 105           | 80 - 120                  | P | 03/18/2025       | 10:41            | LB135083      |
|           | Antimony  | 54.0           | 50.0       | 108           | 80 - 120                  | P | 03/18/2025       | 10:41            | LB135083      |
|           | Arsenic   | 21.9           | 20.0       | 110           | 80 - 120                  | P | 03/18/2025       | 10:41            | LB135083      |
|           | Barium    | 95.4           | 100        | 95            | 80 - 120                  | P | 03/18/2025       | 10:41            | LB135083      |
|           | Beryllium | 5.97           | 6.0        | 100           | 80 - 120                  | P | 03/18/2025       | 10:41            | LB135083      |
|           | Cadmium   | 5.91           | 6.0        | 98            | 80 - 120                  | P | 03/18/2025       | 10:41            | LB135083      |
|           | Calcium   | 1980           | 2000       | 99            | 80 - 120                  | P | 03/18/2025       | 10:41            | LB135083      |
|           | Chromium  | 10.9           | 10.0       | 109           | 80 - 120                  | P | 03/18/2025       | 10:41            | LB135083      |
|           | Cobalt    | 29.6           | 30.0       | 99            | 80 - 120                  | P | 03/18/2025       | 10:41            | LB135083      |
|           | Copper    | 22.3           | 20.0       | 112           | 80 - 120                  | P | 03/18/2025       | 10:41            | LB135083      |
|           | Iron      | 112            | 100        | 112           | 80 - 120                  | P | 03/18/2025       | 10:41            | LB135083      |
|           | Lead      | 10.9           | 12.0       | 91            | 80 - 120                  | P | 03/18/2025       | 10:41            | LB135083      |
|           | Magnesium | 2090           | 2000       | 105           | 80 - 120                  | P | 03/18/2025       | 10:41            | LB135083      |
|           | Manganese | 19.3           | 20.0       | 96            | 80 - 120                  | P | 03/18/2025       | 10:41            | LB135083      |
|           | Nickel    | 39.6           | 40.0       | 99            | 80 - 120                  | P | 03/18/2025       | 10:41            | LB135083      |
|           | Potassium | 1860           | 2000       | 93            | 80 - 120                  | P | 03/18/2025       | 10:41            | LB135083      |
|           | Selenium  | 18.4           | 20.0       | 92            | 80 - 120                  | P | 03/18/2025       | 10:41            | LB135083      |
|           | Silver    | 10.1           | 10.0       | 101           | 80 - 120                  | P | 03/18/2025       | 10:41            | LB135083      |
|           | Sodium    | 1940           | 2000       | 97            | 80 - 120                  | P | 03/18/2025       | 10:41            | LB135083      |
|           | Thallium  | 38.6           | 40.0       | 96            | 80 - 120                  | P | 03/18/2025       | 10:41            | LB135083      |
|           | Vanadium  | 38.6           | 40.0       | 96            | 80 - 120                  | P | 03/18/2025       | 10:41            | LB135083      |
|           | Zinc      | 42.8           | 40.0       | 107           | 80 - 120                  | P | 03/18/2025       | 10:41            | LB135083      |

## Metals

- 2a -

### INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: G Environmental SDG No.: Q1574  
 Contract: GENV01 Lab Code: CHEM Case No.: Q1574 SAS No.: Q1574  
 Initial Calibration Source: EPA  
 Continuing Calibration Source: Inorganic Ventures

| Sample ID | Analyte   | Result<br>ug/L | True Value | %<br>Recovery | Acceptance<br>Window (%R) | M | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
|-----------|-----------|----------------|------------|---------------|---------------------------|---|------------------|------------------|---------------|
| CCV01     | Aluminum  | 9850           | 10000      | 98            | 90 - 110                  | P | 03/18/2025       | 11:09            | LB135083      |
|           | Antimony  | 5030           | 5000       | 101           | 90 - 110                  | P | 03/18/2025       | 11:09            | LB135083      |
|           | Arsenic   | 5040           | 5000       | 101           | 90 - 110                  | P | 03/18/2025       | 11:09            | LB135083      |
|           | Barium    | 9530           | 10000      | 95            | 90 - 110                  | P | 03/18/2025       | 11:09            | LB135083      |
|           | Beryllium | 243            | 250        | 97            | 90 - 110                  | P | 03/18/2025       | 11:09            | LB135083      |
|           | Cadmium   | 2470           | 2500       | 99            | 90 - 110                  | P | 03/18/2025       | 11:09            | LB135083      |
|           | Calcium   | 24200          | 25000      | 97            | 90 - 110                  | P | 03/18/2025       | 11:09            | LB135083      |
|           | Chromium  | 1020           | 1000       | 102           | 90 - 110                  | P | 03/18/2025       | 11:09            | LB135083      |
|           | Cobalt    | 2460           | 2500       | 98            | 90 - 110                  | P | 03/18/2025       | 11:09            | LB135083      |
|           | Copper    | 1240           | 1250       | 100           | 90 - 110                  | P | 03/18/2025       | 11:09            | LB135083      |
|           | Iron      | 4880           | 5000       | 98            | 90 - 110                  | P | 03/18/2025       | 11:09            | LB135083      |
|           | Lead      | 4990           | 5000       | 100           | 90 - 110                  | P | 03/18/2025       | 11:09            | LB135083      |
|           | Magnesium | 24000          | 25000      | 96            | 90 - 110                  | P | 03/18/2025       | 11:09            | LB135083      |
|           | Manganese | 2350           | 2500       | 94            | 90 - 110                  | P | 03/18/2025       | 11:09            | LB135083      |
|           | Nickel    | 2450           | 2500       | 98            | 90 - 110                  | P | 03/18/2025       | 11:09            | LB135083      |
|           | Potassium | 24400          | 25000      | 98            | 90 - 110                  | P | 03/18/2025       | 11:09            | LB135083      |
|           | Selenium  | 5040           | 5000       | 101           | 90 - 110                  | P | 03/18/2025       | 11:09            | LB135083      |
|           | Silver    | 1260           | 1250       | 101           | 90 - 110                  | P | 03/18/2025       | 11:09            | LB135083      |
|           | Sodium    | 25300          | 25000      | 101           | 90 - 110                  | P | 03/18/2025       | 11:09            | LB135083      |
|           | Thallium  | 5130           | 5000       | 103           | 90 - 110                  | P | 03/18/2025       | 11:09            | LB135083      |
| CCV02     | Vanadium  | 2420           | 2500       | 97            | 90 - 110                  | P | 03/18/2025       | 11:09            | LB135083      |
|           | Zinc      | 2540           | 2500       | 102           | 90 - 110                  | P | 03/18/2025       | 11:09            | LB135083      |
|           | Aluminum  | 9700           | 10000      | 97            | 90 - 110                  | P | 03/18/2025       | 12:08            | LB135083      |
|           | Antimony  | 4940           | 5000       | 99            | 90 - 110                  | P | 03/18/2025       | 12:08            | LB135083      |
|           | Arsenic   | 4890           | 5000       | 98            | 90 - 110                  | P | 03/18/2025       | 12:08            | LB135083      |
|           | Barium    | 9170           | 10000      | 92            | 90 - 110                  | P | 03/18/2025       | 12:08            | LB135083      |
|           | Beryllium | 237            | 250        | 95            | 90 - 110                  | P | 03/18/2025       | 12:08            | LB135083      |
|           | Cadmium   | 2410           | 2500       | 96            | 90 - 110                  | P | 03/18/2025       | 12:08            | LB135083      |
|           | Calcium   | 23900          | 25000      | 95            | 90 - 110                  | P | 03/18/2025       | 12:08            | LB135083      |
|           | Chromium  | 1020           | 1000       | 102           | 90 - 110                  | P | 03/18/2025       | 12:08            | LB135083      |
|           | Cobalt    | 2400           | 2500       | 96            | 90 - 110                  | P | 03/18/2025       | 12:08            | LB135083      |
|           | Copper    | 1210           | 1250       | 97            | 90 - 110                  | P | 03/18/2025       | 12:08            | LB135083      |
|           | Iron      | 4690           | 5000       | 94            | 90 - 110                  | P | 03/18/2025       | 12:08            | LB135083      |
|           | Lead      | 4880           | 5000       | 98            | 90 - 110                  | P | 03/18/2025       | 12:08            | LB135083      |

## Metals

- 2a -

### INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: G Environmental SDG No.: Q1574  
Contract: GENV01 Lab Code: CHEM Case No.: Q1574 SAS No.: Q1574  
Initial Calibration Source: EPA  
Continuing Calibration Source: Inorganic Ventures

| Sample ID | Analyte   | Result<br>ug/L | True Value | %<br>Recovery | Acceptance<br>Window (%R) | M | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
|-----------|-----------|----------------|------------|---------------|---------------------------|---|------------------|------------------|---------------|
| CCV02     | Magnesium | 23600          | 25000      | 95            | 90 - 110                  | P | 03/18/2025       | 12:08            | LB135083      |
|           | Manganese | 2260           | 2500       | 90            | 90 - 110                  | P | 03/18/2025       | 12:08            | LB135083      |
|           | Nickel    | 2390           | 2500       | 96            | 90 - 110                  | P | 03/18/2025       | 12:08            | LB135083      |
|           | Potassium | 23400          | 25000      | 94            | 90 - 110                  | P | 03/18/2025       | 12:08            | LB135083      |
|           | Selenium  | 4860           | 5000       | 97            | 90 - 110                  | P | 03/18/2025       | 12:08            | LB135083      |
|           | Silver    | 1240           | 1250       | 99            | 90 - 110                  | P | 03/18/2025       | 12:08            | LB135083      |
|           | Sodium    | 24500          | 25000      | 98            | 90 - 110                  | P | 03/18/2025       | 12:08            | LB135083      |
|           | Thallium  | 5040           | 5000       | 101           | 90 - 110                  | P | 03/18/2025       | 12:08            | LB135083      |
|           | Vanadium  | 2380           | 2500       | 95            | 90 - 110                  | P | 03/18/2025       | 12:08            | LB135083      |
|           | Zinc      | 2290           | 2500       | 91            | 90 - 110                  | P | 03/18/2025       | 12:08            | LB135083      |
| CCV03     | Aluminum  | 9740           | 10000      | 97            | 90 - 110                  | P | 03/18/2025       | 13:07            | LB135083      |
|           | Antimony  | 4970           | 5000       | 99            | 90 - 110                  | P | 03/18/2025       | 13:07            | LB135083      |
|           | Arsenic   | 4920           | 5000       | 98            | 90 - 110                  | P | 03/18/2025       | 13:07            | LB135083      |
|           | Barium    | 9800           | 10000      | 98            | 90 - 110                  | P | 03/18/2025       | 13:07            | LB135083      |
|           | Beryllium | 239            | 250        | 96            | 90 - 110                  | P | 03/18/2025       | 13:07            | LB135083      |
|           | Cadmium   | 2400           | 2500       | 96            | 90 - 110                  | P | 03/18/2025       | 13:07            | LB135083      |
|           | Calcium   | 23700          | 25000      | 95            | 90 - 110                  | P | 03/18/2025       | 13:07            | LB135083      |
|           | Chromium  | 1020           | 1000       | 102           | 90 - 110                  | P | 03/18/2025       | 13:07            | LB135083      |
|           | Cobalt    | 2390           | 2500       | 96            | 90 - 110                  | P | 03/18/2025       | 13:07            | LB135083      |
|           | Copper    | 1220           | 1250       | 97            | 90 - 110                  | P | 03/18/2025       | 13:07            | LB135083      |
|           | Iron      | 4690           | 5000       | 94            | 90 - 110                  | P | 03/18/2025       | 13:07            | LB135083      |
|           | Lead      | 4850           | 5000       | 97            | 90 - 110                  | P | 03/18/2025       | 13:07            | LB135083      |
|           | Magnesium | 23700          | 25000      | 95            | 90 - 110                  | P | 03/18/2025       | 13:07            | LB135083      |
|           | Manganese | 2390           | 2500       | 96            | 90 - 110                  | P | 03/18/2025       | 13:07            | LB135083      |
|           | Nickel    | 2380           | 2500       | 95            | 90 - 110                  | P | 03/18/2025       | 13:07            | LB135083      |
|           | Potassium | 23300          | 25000      | 93            | 90 - 110                  | P | 03/18/2025       | 13:07            | LB135083      |
|           | Selenium  | 4910           | 5000       | 98            | 90 - 110                  | P | 03/18/2025       | 13:07            | LB135083      |
|           | Silver    | 1240           | 1250       | 99            | 90 - 110                  | P | 03/18/2025       | 13:07            | LB135083      |
|           | Sodium    | 24600          | 25000      | 98            | 90 - 110                  | P | 03/18/2025       | 13:07            | LB135083      |
|           | Thallium  | 5040           | 5000       | 101           | 90 - 110                  | P | 03/18/2025       | 13:07            | LB135083      |
|           | Vanadium  | 2370           | 2500       | 95            | 90 - 110                  | P | 03/18/2025       | 13:07            | LB135083      |
|           | Zinc      | 2430           | 2500       | 97            | 90 - 110                  | P | 03/18/2025       | 13:07            | LB135083      |
| CCV04     | Aluminum  | 9260           | 10000      | 93            | 90 - 110                  | P | 03/18/2025       | 14:07            | LB135083      |
|           | Antimony  | 4820           | 5000       | 96            | 90 - 110                  | P | 03/18/2025       | 14:07            | LB135083      |



# Metals

- 2a -

## INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: G Environmental SDG No.: Q1574  
 Contract: GENV01 Lab Code: CHEM Case No.: Q1574 SAS No.: Q1574  
 Initial Calibration Source: EPA  
 Continuing Calibration Source: Inorganic Ventures

| Sample ID | Analyte   | Result<br>ug/L | True Value | %<br>Recovery | Acceptance<br>Window (%R) | M | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
|-----------|-----------|----------------|------------|---------------|---------------------------|---|------------------|------------------|---------------|
| CCV04     | Arsenic   | 4770           | 5000       | 95            | 90 - 110                  | P | 03/18/2025       | 14:07            | LB135083      |
|           | Barium    | 9510           | 10000      | 95            | 90 - 110                  | P | 03/18/2025       | 14:07            | LB135083      |
|           | Beryllium | 225            | 250        | 90            | 90 - 110                  | P | 03/18/2025       | 14:07            | LB135083      |
|           | Cadmium   | 2310           | 2500       | 92            | 90 - 110                  | P | 03/18/2025       | 14:07            | LB135083      |
|           | Calcium   | 23500          | 25000      | 94            | 90 - 110                  | P | 03/18/2025       | 14:07            | LB135083      |
|           | Chromium  | 981            | 1000       | 98            | 90 - 110                  | P | 03/18/2025       | 14:07            | LB135083      |
|           | Cobalt    | 2300           | 2500       | 92            | 90 - 110                  | P | 03/18/2025       | 14:07            | LB135083      |
|           | Copper    | 1180           | 1250       | 94            | 90 - 110                  | P | 03/18/2025       | 14:07            | LB135083      |
|           | Iron      | 5040           | 5000       | 101           | 90 - 110                  | P | 03/18/2025       | 14:07            | LB135083      |
|           | Lead      | 4660           | 5000       | 93            | 90 - 110                  | P | 03/18/2025       | 14:07            | LB135083      |
|           | Magnesium | 25200          | 25000      | 101           | 90 - 110                  | P | 03/18/2025       | 14:07            | LB135083      |
|           | Manganese | 2700           | 2500       | 108           | 90 - 110                  | P | 03/18/2025       | 14:07            | LB135083      |
|           | Nickel    | 2300           | 2500       | 92            | 90 - 110                  | P | 03/18/2025       | 14:07            | LB135083      |
|           | Potassium | 23400          | 25000      | 94            | 90 - 110                  | P | 03/18/2025       | 14:07            | LB135083      |
|           | Selenium  | 4760           | 5000       | 95            | 90 - 110                  | P | 03/18/2025       | 14:07            | LB135083      |
|           | Silver    | 1190           | 1250       | 95            | 90 - 110                  | P | 03/18/2025       | 14:07            | LB135083      |
|           | Sodium    | 23700          | 25000      | 95            | 90 - 110                  | P | 03/18/2025       | 14:07            | LB135083      |
|           | Thallium  | 4800           | 5000       | 96            | 90 - 110                  | P | 03/18/2025       | 14:07            | LB135083      |
|           | Vanadium  | 2250           | 2500       | 90            | 90 - 110                  | P | 03/18/2025       | 14:07            | LB135083      |
|           | Zinc      | 2330           | 2500       | 93            | 90 - 110                  | P | 03/18/2025       | 14:07            | LB135083      |
| CCV05     | Aluminum  | 9410           | 10000      | 94            | 90 - 110                  | P | 03/18/2025       | 14:49            | LB135083      |
|           | Antimony  | 4970           | 5000       | 99            | 90 - 110                  | P | 03/18/2025       | 14:49            | LB135083      |
|           | Arsenic   | 4920           | 5000       | 98            | 90 - 110                  | P | 03/18/2025       | 14:49            | LB135083      |
|           | Barium    | 10800          | 10000      | 108           | 90 - 110                  | P | 03/18/2025       | 14:49            | LB135083      |
|           | Beryllium | 227            | 250        | 91            | 90 - 110                  | P | 03/18/2025       | 14:49            | LB135083      |
|           | Cadmium   | 2370           | 2500       | 95            | 90 - 110                  | P | 03/18/2025       | 14:49            | LB135083      |
|           | Calcium   | 22900          | 25000      | 92            | 90 - 110                  | P | 03/18/2025       | 14:49            | LB135083      |
|           | Chromium  | 1000           | 1000       | 100           | 90 - 110                  | P | 03/18/2025       | 14:49            | LB135083      |
|           | Cobalt    | 2370           | 2500       | 95            | 90 - 110                  | P | 03/18/2025       | 14:49            | LB135083      |
|           | Copper    | 1220           | 1250       | 98            | 90 - 110                  | P | 03/18/2025       | 14:49            | LB135083      |
|           | Iron      | 4720           | 5000       | 94            | 90 - 110                  | P | 03/18/2025       | 14:49            | LB135083      |
|           | Lead      | 4790           | 5000       | 96            | 90 - 110                  | P | 03/18/2025       | 14:49            | LB135083      |
|           | Magnesium | 22600          | 25000      | 90            | 90 - 110                  | P | 03/18/2025       | 14:49            | LB135083      |
|           | Manganese | 2360           | 2500       | 94            | 90 - 110                  | P | 03/18/2025       | 14:49            | LB135083      |



- 2a -

|                                       |                        |                  |              |                  |              |                 |              |
|---------------------------------------|------------------------|------------------|--------------|------------------|--------------|-----------------|--------------|
| <b>Client:</b>                        | <u>G Environmental</u> | <b>SDG No.:</b>  | <u>Q1574</u> |                  |              |                 |              |
| <b>Contract:</b>                      | <u>GENV01</u>          | <b>Lab Code:</b> | <u>CHEM</u>  | <b>Case No.:</b> | <u>Q1574</u> | <b>SAS No.:</b> | <u>Q1574</u> |
| <b>Initial Calibration Source:</b>    | <u>EPA</u>             |                  |              |                  |              |                 |              |
| <b>Continuing Calibration Source:</b> | Inorganic Ventures     |                  |              |                  |              |                 |              |

| Sample ID | Analyte   | Result | True Value | % Recovery | Acceptance Window (%R) | M | Analysis Date | Analysis Time | Run Number |
|-----------|-----------|--------|------------|------------|------------------------|---|---------------|---------------|------------|
|           |           | ug/L   |            |            |                        |   |               |               |            |
| CCV05     | Nickel    | 2360   | 2500       | 95         | 90 - 110               | P | 03/18/2025    | 14:49         | LB135083   |
|           | Potassium | 23900  | 25000      | 96         | 90 - 110               | P | 03/18/2025    | 14:49         | LB135083   |
|           | Selenium  | 4900   | 5000       | 98         | 90 - 110               | P | 03/18/2025    | 14:49         | LB135083   |
|           | Silver    | 1230   | 1250       | 99         | 90 - 110               | P | 03/18/2025    | 14:49         | LB135083   |
|           | Sodium    | 25100  | 25000      | 100        | 90 - 110               | P | 03/18/2025    | 14:49         | LB135083   |
|           | Thallium  | 4900   | 5000       | 98         | 90 - 110               | P | 03/18/2025    | 14:49         | LB135083   |
|           | Vanadium  | 2310   | 2500       | 92         | 90 - 110               | P | 03/18/2025    | 14:49         | LB135083   |
|           | Zinc      | 2440   | 2500       | 98         | 90 - 110               | P | 03/18/2025    | 14:49         | LB135083   |



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

**Metals**

**- 2b -**

**CRDL STANDARD FOR AA & ICP**

**Client:** G Environmental **SDG No.:** Q1574  
**Contract:** GENV01 **Lab Code:** CHEM **Case No.:** Q1574 **SAS No.:** Q1574  
**Initial Calibration Source:** \_\_\_\_\_  
**Continuing Calibration Source:** \_\_\_\_\_

| Sample ID | Analyte   | Result<br>ug/L | True Value<br>ug/L | %<br>Recovery | Acceptance<br>Window (%R) | M  | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
|-----------|-----------|----------------|--------------------|---------------|---------------------------|----|------------------|------------------|---------------|
| CRA       | Mercury   | 0.19           | 0.2                | 97            | 40 - 160                  | CV | 03/17/2025       | 13:37            | LB135056      |
| CRI01     | Aluminum  | 106            | 100                | 106           | 40 - 160                  | P  | 03/18/2025       | 10:49            | LB135083      |
|           | Antimony  | 53.8           | 50.0               | 108           | 40 - 160                  | P  | 03/18/2025       | 10:49            | LB135083      |
|           | Arsenic   | 22.6           | 20.0               | 113           | 40 - 160                  | P  | 03/18/2025       | 10:49            | LB135083      |
|           | Barium    | 94.4           | 100                | 94            | 40 - 160                  | P  | 03/18/2025       | 10:49            | LB135083      |
|           | Beryllium | 5.87           | 6.0                | 98            | 40 - 160                  | P  | 03/18/2025       | 10:49            | LB135083      |
|           | Cadmium   | 5.91           | 6.0                | 98            | 40 - 160                  | P  | 03/18/2025       | 10:49            | LB135083      |
|           | Calcium   | 1960           | 2000               | 98            | 40 - 160                  | P  | 03/18/2025       | 10:49            | LB135083      |
|           | Chromium  | 10.8           | 10.0               | 108           | 40 - 160                  | P  | 03/18/2025       | 10:49            | LB135083      |
|           | Cobalt    | 29.4           | 30.0               | 98            | 40 - 160                  | P  | 03/18/2025       | 10:49            | LB135083      |
|           | Copper    | 22.0           | 20.0               | 110           | 40 - 160                  | P  | 03/18/2025       | 10:49            | LB135083      |
|           | Iron      | 114            | 100                | 114           | 40 - 160                  | P  | 03/18/2025       | 10:49            | LB135083      |
|           | Lead      | 11.3           | 12.0               | 94            | 40 - 160                  | P  | 03/18/2025       | 10:49            | LB135083      |
|           | Magnesium | 2060           | 2000               | 103           | 40 - 160                  | P  | 03/18/2025       | 10:49            | LB135083      |
|           | Manganese | 18.5           | 20.0               | 93            | 40 - 160                  | P  | 03/18/2025       | 10:49            | LB135083      |
|           | Nickel    | 39.3           | 40.0               | 98            | 40 - 160                  | P  | 03/18/2025       | 10:49            | LB135083      |
|           | Potassium | 1840           | 2000               | 92            | 40 - 160                  | P  | 03/18/2025       | 10:49            | LB135083      |
|           | Selenium  | 16.6           | 20.0               | 83            | 40 - 160                  | P  | 03/18/2025       | 10:49            | LB135083      |
|           | Silver    | 10.7           | 10.0               | 107           | 40 - 160                  | P  | 03/18/2025       | 10:49            | LB135083      |
|           | Sodium    | 1950           | 2000               | 97            | 40 - 160                  | P  | 03/18/2025       | 10:49            | LB135083      |
|           | Thallium  | 38.4           | 40.0               | 96            | 40 - 160                  | P  | 03/18/2025       | 10:49            | LB135083      |
|           | Vanadium  | 37.0           | 40.0               | 92            | 40 - 160                  | P  | 03/18/2025       | 10:49            | LB135083      |
|           | Zinc      | 43.1           | 40.0               | 108           | 40 - 160                  | P  | 03/18/2025       | 10:49            | LB135083      |

**Metals**  
**- 4 -**  
**INTERFERENCE CHECK SAMPLE**

**Client:** G Environmental **SDG No.:** Q1574  
**Contract:** GENV01 **Lab Code:** CHEM **Case No.:** Q1574 **SAS No.:** Q1574  
**ICS Source:** EPA **Instrument ID:** P4

| Sample ID | Analyte   | Result<br>ug/L | True Value<br>ug/L | %<br>Recovery | Low<br>Limit<br>(ug/L) | High<br>Limit<br>(ug/L) | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
|-----------|-----------|----------------|--------------------|---------------|------------------------|-------------------------|------------------|------------------|---------------|
| ICSA01    | Aluminum  | 248000         | 255000             | 97            | 216000                 | 294000                  | 03/18/2025       | 10:54            | LB135083      |
|           | Antimony  | -1.12          |                    |               | -50                    | 50                      | 03/18/2025       | 10:54            | LB135083      |
|           | Arsenic   | 3.99           |                    |               | -20                    | 20                      | 03/18/2025       | 10:54            | LB135083      |
|           | Barium    | 5.93           | 6.0                | 99            | -94                    | 106                     | 03/18/2025       | 10:54            | LB135083      |
|           | Beryllium | 1.33           |                    |               | -6                     | 6                       | 03/18/2025       | 10:54            | LB135083      |
|           | Cadmium   | -4.36          | 1.0                | 436           | -5                     | 7                       | 03/18/2025       | 10:54            | LB135083      |
|           | Calcium   | 237000         | 245000             | 97            | 208000                 | 282000                  | 03/18/2025       | 10:54            | LB135083      |
|           | Chromium  | 60.3           | 52.0               | 116           | 42                     | 62                      | 03/18/2025       | 10:54            | LB135083      |
|           | Cobalt    | 1.97           |                    |               | -30                    | 30                      | 03/18/2025       | 10:54            | LB135083      |
|           | Copper    | 10.2           | 2.0                | 508           | -18                    | 22                      | 03/18/2025       | 10:54            | LB135083      |
|           | Iron      | 103000         | 101000             | 102           | 85600                  | 116500                  | 03/18/2025       | 10:54            | LB135083      |
|           | Lead      | 5.17           |                    |               | -12                    | 12                      | 03/18/2025       | 10:54            | LB135083      |
|           | Magnesium | 250000         | 255000             | 98            | 216000                 | 294000                  | 03/18/2025       | 10:54            | LB135083      |
|           | Manganese | 1.65           | 7.0                | 24            | -13                    | 27                      | 03/18/2025       | 10:54            | LB135083      |
|           | Nickel    | 2.16           | 2.0                | 108           | -38                    | 42                      | 03/18/2025       | 10:54            | LB135083      |
|           | Potassium | -104           |                    |               | 0                      | 0                       | 03/18/2025       | 10:54            | LB135083      |
|           | Selenium  | -12.3          |                    |               | -20                    | 20                      | 03/18/2025       | 10:54            | LB135083      |
|           | Silver    | -0.69          |                    |               | -10                    | 10                      | 03/18/2025       | 10:54            | LB135083      |
|           | Sodium    | 33.1           |                    |               | 0                      | 0                       | 03/18/2025       | 10:54            | LB135083      |
|           | Thallium  | 7.73           |                    |               | -40                    | 40                      | 03/18/2025       | 10:54            | LB135083      |
|           | Vanadium  | 2.42           |                    |               | -40                    | 40                      | 03/18/2025       | 10:54            | LB135083      |
|           | Zinc      | 4.66           |                    |               | -40                    | 40                      | 03/18/2025       | 10:54            | LB135083      |
| ICSAB01   | Aluminum  | 236000         | 247000             | 96            | 209000                 | 285000                  | 03/18/2025       | 11:04            | LB135083      |
|           | Antimony  | 600            | 618                | 97            | 525                    | 711                     | 03/18/2025       | 11:04            | LB135083      |
|           | Arsenic   | 106            | 104                | 102           | 88.4                   | 120                     | 03/18/2025       | 11:04            | LB135083      |
|           | Barium    | 452            | 537                | 84            | 437                    | 637                     | 03/18/2025       | 11:04            | LB135083      |
|           | Beryllium | 473            | 495                | 96            | 420                    | 570                     | 03/18/2025       | 11:04            | LB135083      |
|           | Cadmium   | 955            | 972                | 98            | 826                    | 1120                    | 03/18/2025       | 11:04            | LB135083      |
|           | Calcium   | 223000         | 235000             | 95            | 199000                 | 271000                  | 03/18/2025       | 11:04            | LB135083      |
|           | Chromium  | 555            | 542                | 102           | 460                    | 624                     | 03/18/2025       | 11:04            | LB135083      |
|           | Cobalt    | 486            | 476                | 102           | 404                    | 548                     | 03/18/2025       | 11:04            | LB135083      |
|           | Copper    | 489            | 511                | 96            | 434                    | 588                     | 03/18/2025       | 11:04            | LB135083      |
|           | Iron      | 95600          | 99300              | 96            | 84400                  | 114500                  | 03/18/2025       | 11:04            | LB135083      |
|           | Lead      | 51.9           | 49.0               | 106           | 37                     | 61                      | 03/18/2025       | 11:04            | LB135083      |
|           | Magnesium | 239000         | 248000             | 96            | 210000                 | 286000                  | 03/18/2025       | 11:04            | LB135083      |
|           | Manganese | 442            | 507                | 87            | 430                    | 584                     | 03/18/2025       | 11:04            | LB135083      |
|           | Nickel    | 961            | 954                | 101           | 810                    | 1100                    | 03/18/2025       | 11:04            | LB135083      |
|           | Potassium | -124           |                    |               | 0                      | 0                       | 03/18/2025       | 11:04            | LB135083      |
|           | Selenium  | 34.2           | 46.0               | 74            | 26                     | 66                      | 03/18/2025       | 11:04            | LB135083      |
|           | Silver    | 211            | 201                | 105           | 170                    | 232                     | 03/18/2025       | 11:04            | LB135083      |
|           | Sodium    | 15.0           |                    |               | 0                      | 0                       | 03/18/2025       | 11:04            | LB135083      |
|           | Thallium  | 101            | 108                | 94            | 68                     | 148                     | 03/18/2025       | 11:04            | LB135083      |

**Metals**

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**INTERFERENCE CHECK SAMPLE**

**Client:** G Environmental **SDG No.:** Q1574  
**Contract:** GENV01 **Lab Code:** CHEM **Case No.:** Q1574 **SAS No.:** Q1574  
**ICS Source:** EPA **Instrument ID:** P4

| Sample ID | Analyte  | Result<br>ug/L | True Value<br>ug/L | %<br>Recovery | Low<br>Limit<br>(ug/L) | High<br>Limit<br>(ug/L) | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
|-----------|----------|----------------|--------------------|---------------|------------------------|-------------------------|------------------|------------------|---------------|
| ICSAB01   | Vanadium | 446            | 491                | 91            | 417                    | 565                     | 03/18/2025       | 11:04            | LB135083      |
|           | Zinc     | 1040           | 952                | 109           | 809                    | 1095                    | 03/18/2025       | 11:04            | LB135083      |



# METAL QC DATA

**metals**  
**- 5a -**  
**MATRIX SPIKE SUMMARY**

**client:** G Environmental **level:** low **sdg no.:** Q1574  
**contract:** GENV01 **lab code:** CHEM **case no.:** Q1574 **sas no.:** Q1574  
**matrix:** Solid **sample id:** Q1581-01 **client id:** TR-06-031425MS  
**Percent Solids for Sample:** 93.3 **Spiked ID:** Q1581-01MS **Percent Solids for Spike Sample:** 93.3

| Analyte   | Units | Acceptance<br>Limit %R | Spiked<br>Result | C | Sample<br>Result | C | Spike<br>Added | %<br>Recovery | Qual | M |
|-----------|-------|------------------------|------------------|---|------------------|---|----------------|---------------|------|---|
| Aluminum  | mg/Kg | 74 - 119               | 3930             |   | 3770             |   | 94.0           | 168           |      | P |
| Antimony  | mg/Kg | 79 - 114               | 2.35             | U | 2.26             | U | 37.6           | 0             | N    | P |
| Arsenic   | mg/Kg | 82 - 111               | 37.3             |   | 5.02             |   | 37.6           | 86            |      | P |
| Barium    | mg/Kg | 83 - 113               | 29.8             |   | 18.4             |   | 9.4            | 122           | N    | P |
| Beryllium | mg/Kg | 83 - 113               | 8.04             |   | 0.37             |   | 9.4            | 82            | N    | P |
| Cadmium   | mg/Kg | 82 - 113               | 7.92             |   | 0.27             | U | 9.4            | 84            |      | P |
| Calcium   | mg/Kg | 81 - 116               | 5340             |   | 5160             |   | 47.0           | 383           |      | P |
| Chromium  | mg/Kg | 85 - 113               | 40.7             |   | 18.6             |   | 18.8           | 118           | N    | P |
| Cobalt    | mg/Kg | 85 - 112               | 11.2             |   | 2.52             |   | 9.4            | 92            |      | P |
| Copper    | mg/Kg | 81 - 117               | 23.2             |   | 13.1             |   | 14.1           | 71            | N    | P |
| Iron      | mg/Kg | 81 - 118               | 12600            |   | 10900            |   | 140            | 1269          |      | P |
| Lead      | mg/Kg | 81 - 112               | 61.4             |   | 18.5             |   | 47.0           | 91            |      | P |
| Magnesium | mg/Kg | 78 - 115               | 3020             |   | 2750             |   | 94.0           | 292           |      | P |
| Manganese | mg/Kg | 84 - 114               | 57.2             |   | 43.0             |   | 9.4            | 151           |      | P |
| Nickel    | mg/Kg | 83 - 113               | 25.6             |   | 4.32             |   | 23.5           | 91            |      | P |
| Potassium | mg/Kg | 81 - 116               | 1220             |   | 728              |   | 470            | 105           |      | P |
| Selenium  | mg/Kg | 78 - 111               | 73.4             |   | 0.90             | U | 94.0           | 78            |      | P |
| Silver    | mg/Kg | 82 - 112               | 3.15             |   | 0.45             | U | 3.5            | 90            |      | P |
| Sodium    | mg/Kg | 83 - 118               | 479              |   | 255              |   | 140            | 160           | N    | P |
| Thallium  | mg/Kg | 83 - 111               | 81.8             |   | 1.81             | U | 94.0           | 87            |      | P |
| Vanadium  | mg/Kg | 82 - 114               | 29.2             |   | 15.5             |   | 14.1           | 97            |      | P |
| Zinc      | mg/Kg | 82 - 113               | 48.1             |   | 28.2             |   | 9.4            | 212           | N    | P |

**metals**  
**- 5a -**  
**MATRIX SPIKE DUPLICATE SUMMARY**

**client:** G Environmental **level:** low **sdg no.:** Q1574  
**contract:** GENV01 **lab code:** CHEM **case no.:** Q1574 **sas no.:** Q1574  
**matrix:** Solid **sample id:** Q1581-01 **client id:** TR-06-031425MSD  
**Percent Solids for Sample:** 93.3 **Spiked ID:** Q1581-01MSD **Percent Solids for Spike Sample:** 93.3

| Analyte   | Units | Acceptance<br>Limit %R | MSD<br>Result | C | Sample<br>Result | C | Spike<br>Added | %<br>Recovery | Qual | M |
|-----------|-------|------------------------|---------------|---|------------------|---|----------------|---------------|------|---|
| Aluminum  | mg/Kg | 74 - 119               | 4340          |   | 3770             |   | 100            | 575           |      | P |
| Antimony  | mg/Kg | 79 - 114               | 2.60          | U | 2.26             | U | 41.6           | 0             | N    | P |
| Arsenic   | mg/Kg | 82 - 111               | 41.3          |   | 5.02             |   | 41.6           | 87            |      | P |
| Barium    | mg/Kg | 83 - 113               | 32.9          |   | 18.4             |   | 10.4           | 139           | N    | P |
| Beryllium | mg/Kg | 83 - 113               | 8.73          |   | 0.37             |   | 10.4           | 80            | N    | P |
| Cadmium   | mg/Kg | 82 - 113               | 8.84          |   | 0.27             | U | 10.4           | 85            |      | P |
| Calcium   | mg/Kg | 81 - 116               | 5900          |   | 5160             |   | 52.0           | 1429          |      | P |
| Chromium  | mg/Kg | 85 - 113               | 44.6          |   | 18.6             |   | 20.8           | 125           | N    | P |
| Cobalt    | mg/Kg | 85 - 112               | 12.3          |   | 2.52             |   | 10.4           | 94            |      | P |
| Copper    | mg/Kg | 81 - 117               | 25.5          |   | 13.1             |   | 15.6           | 80            | N    | P |
| Iron      | mg/Kg | 81 - 118               | 13600         |   | 10900            |   | 160            | 1699          |      | P |
| Lead      | mg/Kg | 81 - 112               | 67.8          |   | 18.5             |   | 52.0           | 95            |      | P |
| Magnesium | mg/Kg | 78 - 115               | 3320          |   | 2750             |   | 100            | 572           |      | P |
| Manganese | mg/Kg | 84 - 114               | 62.6          |   | 43.0             |   | 10.4           | 189           |      | P |
| Nickel    | mg/Kg | 83 - 113               | 28.3          |   | 4.32             |   | 26.0           | 92            |      | P |
| Potassium | mg/Kg | 81 - 116               | 1320          |   | 728              |   | 520            | 113           |      | P |
| Selenium  | mg/Kg | 78 - 111               | 81.6          |   | 0.90             | U | 100            | 82            |      | P |
| Silver    | mg/Kg | 82 - 112               | 3.42          |   | 0.45             | U | 3.9            | 88            |      | P |
| Sodium    | mg/Kg | 83 - 118               | 517           |   | 255              |   | 160            | 163           | N    | P |
| Thallium  | mg/Kg | 83 - 111               | 90.4          |   | 1.81             | U | 100            | 90            |      | P |
| Vanadium  | mg/Kg | 82 - 114               | 32.3          |   | 15.5             |   | 15.6           | 107           |      | P |
| Zinc      | mg/Kg | 82 - 113               | 52.2          |   | 28.2             |   | 10.4           | 231           | N    | P |



metals  
- 5a -  
MATRIX SPIKE SUMMARY

client: G Environmental level: low sdg no.: Q1574  
contract: GENV01 lab code: CHEM case no.: Q1574 sas no.: Q1574  
matrix: Solid sample id: Q1585-01 client id: OK-02-03142025MS  
Percent Solids for Sample: 97.1 Spiked ID: Q1585-01MS Percent Solids for Spike Sample: 97.1

| Analyte | Units | Acceptance<br>Limit %R | Spiked<br>Result | C | Sample<br>Result | C | Spike<br>Added | %<br>Recovery | Qual | M  |
|---------|-------|------------------------|------------------|---|------------------|---|----------------|---------------|------|----|
| Mercury | mg/Kg | 80 - 124               | 0.26             |   | 0.0070           | J | 0.24           | 106           |      | CV |

**metals**  
**- 5a -**  
**MATRIX SPIKE DUPLICATE SUMMARY**

|                                        |                                   |                                                            |
|----------------------------------------|-----------------------------------|------------------------------------------------------------|
| <b>client:</b> <u>G Environmental</u>  | <b>level:</b> <u>low</u>          | <b>sdg no.:</b> <u>Q1574</u>                               |
| <b>contract:</b> <u>GENV01</u>         | <b>lab code:</b> <u>CHEM</u>      | <b>case no.:</b> <u>Q1574</u> <b>sas no.:</b> <u>Q1574</u> |
| <b>matrix:</b> <u>Solid</u>            | <b>sample id:</b> <u>Q1585-01</u> | <b>client id:</b> <u>OK-02-03142025MSD</u>                 |
| <b>Percent Solids for Sample:</b> 97.1 | <b>Spiked ID:</b> Q1585-01MSD     | <b>Percent Solids for Spike Sample:</b> 97.1               |

| Analyte | Units | Acceptance<br>Limit %R | MSD<br>Result | C | Sample<br>Result | C | Spike<br>Added | %<br>Recovery | Qual | M  |
|---------|-------|------------------------|---------------|---|------------------|---|----------------|---------------|------|----|
| Mercury | mg/Kg | 80 - 124               | 0.25          |   | 0.0070           | J | 0.25           | 95            |      | CV |

**Metals**  
**- 5b -**  
**POST DIGEST SPIKE SUMMARY**

|                                       |                                    |                                                            |
|---------------------------------------|------------------------------------|------------------------------------------------------------|
| <b>Client:</b> <u>G Environmental</u> | <b>SDG No.:</b> <u>Q1574</u>       |                                                            |
| <b>Contract:</b> <u>GENV01</u>        | <b>Lab Code:</b> <u>CHEM</u>       | <b>Case No.:</b> <u>Q1574</u> <b>SAS No.:</b> <u>Q1574</u> |
| <b>Matrix:</b> <u>Solid</u>           | <b>Level:</b> <u>LOW</u>           | <b>Client ID:</b> <u>TR-06-031425A</u>                     |
| <b>Sample ID:</b> <u>Q1581-01</u>     | <b>Spiked ID:</b> <u>Q1581-01A</u> |                                                            |

| Analyte   | Units | Acceptance<br>Limit %R | Spiked<br>Result | C | Sample<br>Result | C | Spike<br>Added | %<br>Recovery | Qual | M |
|-----------|-------|------------------------|------------------|---|------------------|---|----------------|---------------|------|---|
| Antimony  | mg/Kg | 79 - 114               | 32.8             |   | 2.26             | U | 36.2           | 91            |      | P |
| Barium    | mg/Kg | 83 - 113               | 27.2             |   | 18.4             |   | 9.00           | 98            |      | P |
| Beryllium | mg/Kg | 83 - 113               | 7.84             |   | 0.37             |   | 9.00           | 83            |      | P |
| Chromium  | mg/Kg | 85 - 113               | 35.0             |   | 18.6             |   | 18.1           | 91            |      | P |
| Copper    | mg/Kg | 81 - 117               | 24.8             |   | 13.1             |   | 13.6           | 86            |      | P |
| Sodium    | mg/Kg | 83 - 118               | 379              |   | 255              |   | 140            | 88            |      | P |
| Zinc      | mg/Kg | 82 - 113               | 37.0             |   | 28.2             |   | 9.00           | 97            |      | P |

**Metals**

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**DUPLICATE SAMPLE SUMMARY**

**Client:** G Environmental **Level:** LOW **SDG No.:** Q1574  
**Contract:** GENV01 **Lab Code:** CHEM **Case No.:** Q1574 **SAS No.:** Q1574  
**Matrix:** Solid **Sample ID:** Q1581-01 **Client ID:** TR-06-031425DUP  
**Percent Solids for Sample:** 93.3 **Duplicate ID** Q1581-01DUP **Percent Solids for Spike Sample:** 93.3

| Analyte   | Units | Acceptance Limit | Sample Result | C | Duplicate Result | C | RPD | Qual | M |
|-----------|-------|------------------|---------------|---|------------------|---|-----|------|---|
| Aluminum  | mg/Kg | 20               | 3770          |   | 4050             |   | 7   |      | P |
| Antimony  | mg/Kg | 20               | 2.26          | U | 2.41             | U |     |      | P |
| Arsenic   | mg/Kg | 20               | 5.02          |   | 5.37             |   | 7   |      | P |
| Barium    | mg/Kg | 20               | 18.4          |   | 20.8             |   | 12  |      | P |
| Beryllium | mg/Kg | 20               | 0.37          |   | 0.39             |   | 5   |      | P |
| Cadmium   | mg/Kg | 20               | 0.27          | U | 0.29             | U |     |      | P |
| Calcium   | mg/Kg | 20               | 5160          |   | 5520             |   | 7   |      | P |
| Chromium  | mg/Kg | 20               | 18.6          |   | 20.0             |   | 7   |      | P |
| Cobalt    | mg/Kg | 20               | 2.52          |   | 2.71             |   | 7   |      | P |
| Copper    | mg/Kg | 20               | 13.1          |   | 13.8             |   | 5   |      | P |
| Iron      | mg/Kg | 20               | 10900         |   | 11600            |   | 6   |      | P |
| Lead      | mg/Kg | 20               | 18.5          |   | 19.9             |   | 7   |      | P |
| Magnesium | mg/Kg | 20               | 2750          |   | 2920             |   | 6   |      | P |
| Manganese | mg/Kg | 20               | 43.0          |   | 49.2             |   | 13  |      | P |
| Nickel    | mg/Kg | 20               | 4.32          |   | 4.66             |   | 8   |      | P |
| Potassium | mg/Kg | 20               | 728           |   | 776              |   | 6   |      | P |
| Selenium  | mg/Kg | 20               | 0.90          | U | 0.97             | U |     |      | P |
| Silver    | mg/Kg | 20               | 0.45          | U | 0.48             | U |     |      | P |
| Sodium    | mg/Kg | 20               | 255           |   | 272              |   | 6   |      | P |
| Thallium  | mg/Kg | 20               | 1.81          | U | 1.93             | U |     |      | P |
| Vanadium  | mg/Kg | 20               | 15.5          |   | 16.6             |   | 7   |      | P |
| Zinc      | mg/Kg | 20               | 28.2          |   | 31.0             |   | 9   |      | P |

# Metals

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## DUPLICATE SAMPLE SUMMARY

**Client:** G Environmental **Level:** LOW **SDG No.:** Q1574  
**Contract:** GENV01 **Lab Code:** CHEM **Case No.:** Q1574 **SAS No.:** Q1574  
**Matrix:** Solid **Sample ID:** Q1581-01MS **Client ID:** TR-06-031425MSD  
**Percent Solids for Sample:** 93.3 **Duplicate ID** Q1581-01MSD **Percent Solids for Spike Sample:** 93.3

| Analyte   | Units | Acceptance Limit | Sample Result | C | Duplicate Result | C | RPD | Qual | M |
|-----------|-------|------------------|---------------|---|------------------|---|-----|------|---|
| Aluminum  | mg/Kg | 20               | 3930          |   | 4340             |   | 10  |      | P |
| Antimony  | mg/Kg | 20               | 2.35          | U | 2.60             | U |     |      | P |
| Arsenic   | mg/Kg | 20               | 37.3          |   | 41.3             |   | 10  |      | P |
| Barium    | mg/Kg | 20               | 29.8          |   | 32.9             |   | 10  |      | P |
| Beryllium | mg/Kg | 20               | 8.04          |   | 8.73             |   | 8   |      | P |
| Cadmium   | mg/Kg | 20               | 7.92          |   | 8.84             |   | 11  |      | P |
| Calcium   | mg/Kg | 20               | 5340          |   | 5900             |   | 10  |      | P |
| Chromium  | mg/Kg | 20               | 40.7          |   | 44.6             |   | 9   |      | P |
| Cobalt    | mg/Kg | 20               | 11.2          |   | 12.3             |   | 9   |      | P |
| Copper    | mg/Kg | 20               | 23.2          |   | 25.5             |   | 9   |      | P |
| Iron      | mg/Kg | 20               | 12600         |   | 13600            |   | 8   |      | P |
| Lead      | mg/Kg | 20               | 61.4          |   | 67.8             |   | 10  |      | P |
| Magnesium | mg/Kg | 20               | 3020          |   | 3320             |   | 9   |      | P |
| Manganese | mg/Kg | 20               | 57.2          |   | 62.6             |   | 9   |      | P |
| Nickel    | mg/Kg | 20               | 25.6          |   | 28.3             |   | 10  |      | P |
| Potassium | mg/Kg | 20               | 1220          |   | 1320             |   | 8   |      | P |
| Selenium  | mg/Kg | 20               | 73.4          |   | 81.6             |   | 11  |      | P |
| Silver    | mg/Kg | 20               | 3.15          |   | 3.42             |   | 8   |      | P |
| Sodium    | mg/Kg | 20               | 479           |   | 517              |   | 8   |      | P |
| Thallium  | mg/Kg | 20               | 81.8          |   | 90.4             |   | 10  |      | P |
| Vanadium  | mg/Kg | 20               | 29.2          |   | 32.3             |   | 10  |      | P |
| Zinc      | mg/Kg | 20               | 48.1          |   | 52.2             |   | 8   |      | P |

**Metals**

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**DUPLICATE SAMPLE SUMMARY**

|                                   |                        |                     |                 |                                         |                          |
|-----------------------------------|------------------------|---------------------|-----------------|-----------------------------------------|--------------------------|
| <b>Client:</b>                    | <u>G Environmental</u> | <b>Level:</b>       | <u>LOW</u>      | <b>SDG No.:</b>                         | <u>Q1574</u>             |
| <b>Contract:</b>                  | <u>GENV01</u>          | <b>Lab Code:</b>    | <u>CHEM</u>     | <b>Case No.:</b>                        | <u>Q1574</u>             |
| <b>Matrix:</b>                    | <u>Solid</u>           | <b>Sample ID:</b>   | <u>Q1585-01</u> | <b>Client ID:</b>                       | <u>OK-02-03142025DUP</u> |
| <b>Percent Solids for Sample:</b> | 97.1                   | <b>Duplicate ID</b> | Q1585-01DUP     | <b>Percent Solids for Spike Sample:</b> | 97.1                     |

| Analyte | Units | Acceptance Limit | Sample Result | C | Duplicate Result | C | RPD   | Qual | M  |
|---------|-------|------------------|---------------|---|------------------|---|-------|------|----|
| Mercury | mg/Kg | 20               | 0.0070        | J | 0.013            | U | 200.0 |      | CV |

**Metals**

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**DUPLICATE SAMPLE SUMMARY**

|                                   |                        |                     |                   |                                         |                          |
|-----------------------------------|------------------------|---------------------|-------------------|-----------------------------------------|--------------------------|
| <b>Client:</b>                    | <u>G Environmental</u> | <b>Level:</b>       | <u>LOW</u>        | <b>SDG No.:</b>                         | <u>Q1574</u>             |
| <b>Contract:</b>                  | <u>GENV01</u>          | <b>Lab Code:</b>    | <u>CHEM</u>       | <b>Case No.:</b>                        | <u>Q1574</u>             |
| <b>Matrix:</b>                    | <u>Solid</u>           | <b>Sample ID:</b>   | <u>Q1585-01MS</u> | <b>Client ID:</b>                       | <u>OK-02-03142025MSD</u> |
| <b>Percent Solids for Sample:</b> | 97.1                   | <b>Duplicate ID</b> | Q1585-01MSD       | <b>Percent Solids for Spike Sample:</b> | 97.1                     |

| Analyte | Units | Acceptance Limit | Sample Result | C | Duplicate Result | C | RPD | Qual | M  |
|---------|-------|------------------|---------------|---|------------------|---|-----|------|----|
| Mercury | mg/Kg | 20               | 0.26          |   | 0.25             |   | 7   |      | CV |

**Metals**

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**LABORATORY CONTROL SAMPLE SUMMARY**

**Client:** G Environmental **SDG No.:** Q1574  
**Contract:** GENV01 **Lab Code:** CHEM **Case No.:** Q1574 **SAS No.:** Q1574

| Analyte    | Units | True Value | Result | C | % Recovery | Acceptance Limits | M |
|------------|-------|------------|--------|---|------------|-------------------|---|
| PB167145BS |       |            |        |   |            |                   |   |
| Aluminum   | mg/Kg | 83.3       | 76.7   |   | 92         | 74 - 119          | P |
| Antimony   | mg/Kg | 33.3       | 32.4   |   | 97         | 79 - 114          | P |
| Arsenic    | mg/Kg | 33.3       | 31.2   |   | 94         | 82 - 111          | P |
| Barium     | mg/Kg | 8.3        | 7.34   |   | 88         | 83 - 113          | P |
| Beryllium  | mg/Kg | 8.3        | 7.63   |   | 92         | 83 - 113          | P |
| Cadmium    | mg/Kg | 8.3        | 7.68   |   | 92         | 82 - 113          | P |
| Calcium    | mg/Kg | 41.7       | 37.5   | J | 90         | 81 - 116          | P |
| Chromium   | mg/Kg | 16.7       | 16.6   |   | 99         | 85 - 113          | P |
| Cobalt     | mg/Kg | 8.3        | 7.74   |   | 93         | 85 - 112          | P |
| Copper     | mg/Kg | 12.5       | 12.2   |   | 98         | 81 - 117          | P |
| Iron       | mg/Kg | 130        | 118    |   | 91         | 81 - 118          | P |
| Lead       | mg/Kg | 41.7       | 38.5   |   | 92         | 81 - 112          | P |
| Magnesium  | mg/Kg | 83.3       | 74.7   | J | 90         | 78 - 115          | P |
| Manganese  | mg/Kg | 8.3        | 7.37   |   | 89         | 84 - 114          | P |
| Nickel     | mg/Kg | 20.8       | 19.4   |   | 93         | 83 - 113          | P |
| Potassium  | mg/Kg | 420        | 374    |   | 89         | 81 - 116          | P |
| Selenium   | mg/Kg | 83.3       | 78.6   |   | 94         | 78 - 111          | P |
| Silver     | mg/Kg | 3.1        | 3.08   |   | 99         | 82 - 112          | P |
| Sodium     | mg/Kg | 130        | 119    |   | 92         | 83 - 118          | P |
| Thallium   | mg/Kg | 83.3       | 80.3   |   | 96         | 83 - 111          | P |
| Vanadium   | mg/Kg | 12.5       | 11.3   |   | 90         | 82 - 114          | P |
| Zinc       | mg/Kg | 8.3        | 8.38   |   | 101        | 82 - 113          | P |



**Metals**

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**LABORATORY CONTROL SAMPLE SUMMARY**

**Client:** G Environmental

**SDG No.:** Q1574

**Contract:** GENV01

**Lab Code:** CHEM

**Case No.:** Q1574

**SAS No.:** Q1574

| Analyte               | Units | True Value | Result | C | %<br>Recovery | Acceptance<br>Limits | M  |
|-----------------------|-------|------------|--------|---|---------------|----------------------|----|
| PB167162BS<br>Mercury | mg/Kg | 0.26       | 0.22   |   | 86            | 80 - 124             | CV |

**Metals**  
**-9 -**  
**ICP SERIAL DILUTIONS**

SAMPLE NO.

TR-06-031425L

Lab Name: Chemtech Consulting Group

Contract: GENV01

Lab Code: CHEM Lb No.: lb135083 Lab Sample ID : Q1581-01L SDG No.: Q1574

Matrix (soil/water): Solid Level (low/med): LOW

Concentration Units: mg/Kg

| Analyte   | Initial Sample Result (I) |   | Serial Dilution Result (S) |   | % Differ-<br>ence | Q | M |
|-----------|---------------------------|---|----------------------------|---|-------------------|---|---|
| Aluminum  | 3770                      |   | 3970                       |   | 5                 |   | P |
| Antimony  | 2.26                      | U | 11.3                       | U |                   |   | P |
| Arsenic   | 5.02                      |   | 5.24                       |   | 4                 |   | P |
| Barium    | 18.4                      |   | 19.8                       | J | 8                 |   | P |
| Beryllium | 0.37                      |   | 0.43                       | J | 17                |   | P |
| Cadmium   | 0.27                      | U | 1.36                       | U |                   |   | P |
| Calcium   | 5160                      |   | 5550                       |   | 8                 |   | P |
| Chromium  | 18.6                      |   | 19.9                       |   | 7                 |   | P |
| Cobalt    | 2.52                      |   | 2.52                       | J | 0                 |   | P |
| Copper    | 13.1                      |   | 14.4                       |   | 10                |   | P |
| Iron      | 10900                     |   | 11300                      |   | 4                 |   | P |
| Lead      | 18.5                      |   | 18.6                       |   | 1                 |   | P |
| Magnesium | 2750                      |   | 2950                       |   | 7                 |   | P |
| Manganese | 43.0                      |   | 51.2                       |   | 19                |   | P |
| Nickel    | 4.32                      |   | 4.55                       | J | 5                 |   | P |
| Potassium | 728                       |   | 693                        |   | 5                 |   | P |
| Selenium  | 0.90                      | U | 4.52                       | U |                   |   | P |
| Silver    | 0.45                      | U | 2.26                       | U |                   |   | P |
| Sodium    | 255                       |   | 248                        | J | 3                 |   | P |
| Thallium  | 1.81                      | U | 9.04                       | U |                   |   | P |
| Vanadium  | 15.5                      |   | 16.4                       |   | 6                 |   | P |
| Zinc      | 28.2                      |   | 29.6                       |   | 5                 |   | P |

**Metals**  
**-9 -**  
**ICP SERIAL DILUTIONS**

SAMPLE NO.

OK-02-03142025L

**Lab Name:** Chemtech Consulting Group **Contract:** GENV01  
**Lab Code:** CHEM **Lb No.:** lb135056 **Lab Sample ID :** Q1585-01L **SDG No.:** Q1574  
**Matrix (soil/water):** Solid **Level (low/med):** LOW  
**Concentration Units:** mg/Kg

| Analyte | Initial Sample<br>Result (I)<br>C | Serial Dilution<br>Result (S)<br>C | % Differ-<br>ence | Q | M  |
|---------|-----------------------------------|------------------------------------|-------------------|---|----|
| Mercury | 0.0070 J                          | 0.061 U                            | 100.0             |   | CV |

**metals**  
**- 14 -**  
**ANALYSIS RUN LOG**

**Client:** G Environmental **Contract:** GENV01

**Lab code:** CHEM **Case no.:** Q1574 **Sas no.:** Q1574 **Sdg no.:** Q1574

**Instrument id number:**                      **Method:**                      **Run number:** LB135056

**Start date:** 03/17/2025 **End date:** 03/17/2025

| Lab sample id. | Client Sample Id  | d/f | Time | Parameter list |
|----------------|-------------------|-----|------|----------------|
| S0             | S0                | 1   | 1306 | HG             |
| S0.2           | S0.2              | 1   | 1308 | HG             |
| S2.5           | S2.5              | 1   | 1310 | HG             |
| S5             | S5                | 1   | 1312 | HG             |
| S7.5           | S7.5              | 1   | 1320 | HG             |
| S10            | S10               | 1   | 1325 | HG             |
| ICV45          | ICV45             | 1   | 1328 | HG             |
| ICB45          | ICB45             | 1   | 1330 | HG             |
| CCV17          | CCV17             | 1   | 1333 | HG             |
| CCB17          | CCB17             | 1   | 1335 | HG             |
| CRA            | CRA               | 1   | 1337 | HG             |
| PB167162BL     | PB167162BL        | 1   | 1344 | HG             |
| PB167162BS     | PB167162BS        | 1   | 1346 | HG             |
| CCV18          | CCV18             | 1   | 1405 | HG             |
| CCB18          | CCB18             | 1   | 1407 | HG             |
| Q1585-01DUP    | OK-02-03142025DUP | 1   | 1416 | HG             |
| Q1585-01MS     | OK-02-03142025MS  | 1   | 1419 | HG             |
| Q1585-01MSD    | OK-02-03142025MSD | 1   | 1421 | HG             |
| Q1585-01L      | OK-02-03142025L   | 5   | 1423 | HG             |
| Q1574-01       | WC1               | 50  | 1437 | HG             |
| CCV19          | CCV19             | 1   | 1440 | HG             |
| CCB19          | CCB19             | 1   | 1442 | HG             |

**metals**  
**- 14 -**  
**ANALYSIS RUN LOG**

**Client:** G Environmental **Contract:** GENV01

**Lab code:** CHEM **Case no.:** Q1574 **Sas no.:** Q1574 **Sdg no.:** Q1574

**Instrument id number:**                      **Method:**                      **Run number:** LB135083

**Start date:** 03/18/2025 **End date:** 03/18/2025

| Lab sample id. | Client Sample Id | d/f | Time | Parameter list                                                  |
|----------------|------------------|-----|------|-----------------------------------------------------------------|
| S0             | S0               | 1   | 1011 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| S1             | S1               | 1   | 1015 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| S2             | S2               | 1   | 1020 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| S3             | S3               | 1   | 1024 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| S4             | S4               | 1   | 1028 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| S5             | S5               | 1   | 1032 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| ICV01          | ICV01            | 1   | 1036 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| LLICV01        | LLICV01          | 1   | 1041 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| ICB01          | ICB01            | 1   | 1045 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| CRI01          | CRI01            | 1   | 1049 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| ICSA01         | ICSA01           | 1   | 1054 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| ICSAB01        | ICSAB01          | 1   | 1104 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| CCV01          | CCV01            | 1   | 1109 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| CCB01          | CCB01            | 1   | 1113 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| PB167145BL     | PB167145BL       | 1   | 1118 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| PB167145BS     | PB167145BS       | 1   | 1122 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| Q1574-01       | WC1              | 1   | 1149 | Al,As,Ba,Be,Ca,Cd,Co,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V                |
| CCV02          | CCV02            | 1   | 1208 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| CCB02          | CCB02            | 1   | 1217 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| Q1581-01DUP    | TR-06-031425DUP  | 1   | 1222 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| Q1581-01L      | TR-06-031425L    | 5   | 1226 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| Q1581-01MS     | TR-06-031425MS   | 1   | 1230 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| Q1581-01MSD    | TR-06-031425MSD  | 1   | 1234 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| Q1581-01A      | TR-06-031425A    | 1   | 1238 | Ba,Be,Cr,Cu,Na,Sb,Zn                                            |
| CCV03          | CCV03            | 1   | 1307 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| CCB03          | CCB03            | 1   | 1313 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| Q1574-01       | WC1              | 20  | 1341 | Ag,Cr,Cu,Fe,Zn                                                  |
| CCV04          | CCV04            | 1   | 1407 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| CCB04          | CCB04            | 1   | 1420 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| CCV05          | CCV05            | 1   | 1449 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| CCB05          | CCB05            | 1   | 1453 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |



# METAL PREPARATION & INSTRUMENT DATA

**Metals**

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**ICP INTERELEMENT CORRECTION FACTORS**

**Client:** G Environmental

**SDG No.:** Q1574

**Contract:** GENV01

**Lab Code:** CHEM

**Case No.:** Q1574

**SAS No.:** Q1574

**Instrument ID:** \_\_\_\_\_

**Date:** \_\_\_\_\_

**Interelement Correction Factors (apparent ppb analyte/ppm interferent )**

| Analyte   | Wave-<br>Length<br>(nm) | ICP Interelement Correction Factors For: |            |            |           |           |
|-----------|-------------------------|------------------------------------------|------------|------------|-----------|-----------|
|           |                         | Al                                       | Ca         | Fe         | Mg        | Ag        |
| Aluminum  | 396.100                 | 0.0000000                                | -0.0002060 | 0.0000000  | 0.0000000 | 0.0000000 |
| Antimony  | 206.833                 | 0.0000000                                | 0.0000000  | 0.0000000  | 0.0000000 | 0.0000000 |
| Arsenic   | 193.759                 | 0.0000000                                | 0.0000000  | -0.0000440 | 0.0000000 | 0.0000000 |
| Barium    | 493.409                 | 0.0000000                                | 0.0000000  | 0.0000000  | 0.0000000 | 0.0000000 |
| Beryllium | 234.861                 | 0.0000000                                | 0.0000000  | 0.0000000  | 0.0000000 | 0.0000000 |
| Cadmium   | 226.502                 | 0.0000000                                | 0.0000000  | 0.0000930  | 0.0000000 | 0.0000000 |
| Calcium   | 373.690                 | 0.0000000                                | 0.0000000  | -0.0075970 | 0.0000000 | 0.0000000 |
| Chromium  | 267.716                 | 0.0000000                                | 0.0000000  | 0.0000000  | 0.0000000 | 0.0000000 |
| Cobalt    | 228.616                 | 0.0000000                                | 0.0000000  | 0.0000000  | 0.0000000 | 0.0000000 |
| Copper    | 224.700                 | 0.0000000                                | 0.0000000  | 0.0007850  | 0.0000000 | 0.0000000 |
| Iron      | 240.488                 | 0.0000000                                | 0.0000000  | 0.0000000  | 0.0000000 | 0.0000000 |
| Lead      | 220.353                 | -0.0000920                               | 0.0000000  | 0.0000380  | 0.0000000 | 0.0000000 |
| Magnesium | 279.079                 | 0.0000000                                | 0.0000000  | 0.0000000  | 0.0000000 | 0.0000000 |
| Manganese | 257.610                 | 0.0000000                                | 0.0000000  | 0.0000000  | 0.0000000 | 0.0000000 |
| Nickel    | 231.604                 | 0.0000000                                | 0.0000000  | 0.0000000  | 0.0000000 | 0.0000000 |
| Potassium | 766.490                 | 0.0000000                                | 0.0000000  | 0.0000000  | 0.0000000 | 0.0000000 |
| Selenium  | 196.090                 | 0.0000000                                | 0.0000000  | -0.0001440 | 0.0000000 | 0.0000000 |
| Silver    | 328.068                 | 0.0000000                                | 0.0000000  | -0.0001490 | 0.0000000 | 0.0000000 |
| Sodium    | 589.592                 | 0.0000000                                | 0.0000000  | 0.0000000  | 0.0000000 | 0.0000000 |
| Thallium  | 190.856                 | 0.0000000                                | 0.0000000  | 0.0000000  | 0.0000000 | 0.0000000 |
| Vanadium  | 292.402                 | 0.0000000                                | 0.0000000  | 0.0000000  | 0.0000000 | 0.0000000 |
| Zinc      | 213.800                 | 0.0000000                                | 0.0000000  | 0.0001050  | 0.0000000 | 0.0000000 |

**Metals**

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**ICP INTERELEMEN CORRECTION FACTORS**

**Client:** G Environmental

**SDG No.:** Q1574

**Contract:** GENV01

**Lab Code:** CHEM

**Case No.:** Q1574

**SAS No.:** Q1574

**Instrument ID:** \_\_\_\_\_

**Date:** \_\_\_\_\_

**Interement Correction Factors (apparent ppb analyte/ppm interferent )**

| Analyte   | Wave-<br>Length<br>(nm) | ICP Interement Correction Factors For: |           |           |           |            |
|-----------|-------------------------|----------------------------------------|-----------|-----------|-----------|------------|
|           |                         | As                                     | Ba        | Be        | Cd        | Co         |
| Aluminum  | 396.100                 | 0.0000000                              | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000  |
| Antimony  | 206.833                 | 0.0000000                              | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000  |
| Arsenic   | 193.759                 | 0.0000000                              | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000  |
| Barium    | 493.409                 | 0.0000000                              | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000  |
| Beryllium | 234.861                 | 0.0000000                              | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000  |
| Cadmium   | 226.502                 | 0.0000000                              | 0.0000000 | 0.0000000 | 0.0000000 | 0.0002870  |
| Calcium   | 373.690                 | 0.0000000                              | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000  |
| Chromium  | 267.716                 | 0.0000000                              | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000  |
| Cobalt    | 228.616                 | 0.0000000                              | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000  |
| Copper    | 224.700                 | 0.0000000                              | 0.0000000 | 0.0000000 | 0.0000000 | 0.0009530  |
| Iron      | 240.488                 | 0.0000000                              | 0.0000000 | 0.0000000 | 0.0000000 | -0.0039600 |
| Lead      | 220.353                 | 0.0000000                              | 0.0003170 | 0.0000000 | 0.0000000 | 0.0000000  |
| Magnesium | 279.079                 | 0.0000000                              | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000  |
| Manganese | 257.610                 | 0.0000000                              | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000  |
| Nickel    | 231.604                 | 0.0000000                              | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000  |
| Potassium | 766.490                 | 0.0000000                              | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000  |
| Selenium  | 196.090                 | 0.0000000                              | 0.0000000 | 0.0000000 | 0.0000000 | -0.0003570 |
| Silver    | 328.068                 | 0.0000000                              | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000  |
| Sodium    | 589.592                 | 0.0000000                              | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000  |
| Thallium  | 190.856                 | 0.0000000                              | 0.0000000 | 0.0000000 | 0.0000000 | 0.0054900  |
| Vanadium  | 292.402                 | 0.0000000                              | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000  |
| Zinc      | 213.800                 | 0.0000000                              | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000  |



**Metals**

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**ICP INTERELEMENT CORRECTION FACTORS**

**Client:** G Environmental

**SDG No.:** Q1574

**Contract:** GENV01

**Lab Code:** CHEM

**Case No.:** Q1574

**SAS No.:** Q1574

**Instrument ID:** \_\_\_\_\_

**Date:** \_\_\_\_\_

**Interelement Correction Factors (apparent ppb analyte/ppm interferent )**

| Analyte   | Wave-<br>Length<br>(nm) | ICP Interelement Correction Factors For: |           |           |            |            |
|-----------|-------------------------|------------------------------------------|-----------|-----------|------------|------------|
|           |                         | Cr                                       | Cu        | K         | Mn         | Mo         |
| Aluminum  | 396.100                 | 0.0000000                                | 0.0000000 | 0.0000590 | 0.0000000  | 0.0396900  |
| Antimony  | 206.833                 | 0.0122000                                | 0.0000000 | 0.0000000 | 0.0000000  | 0.0000000  |
| Arsenic   | 193.759                 | -0.0029000                               | 0.0000000 | 0.0000000 | 0.0000000  | 0.0004900  |
| Barium    | 493.409                 | 0.0000000                                | 0.0000000 | 0.0000000 | 0.0000000  | 0.0000000  |
| Beryllium | 234.861                 | 0.0000000                                | 0.0000000 | 0.0000000 | -0.0000710 | -0.0003400 |
| Cadmium   | 226.502                 | 0.0000000                                | 0.0000000 | 0.0000000 | 0.0000000  | 0.0000000  |
| Calcium   | 373.690                 | 0.0000000                                | 0.0000000 | 0.0000000 | 0.0000000  | 0.0000000  |
| Chromium  | 267.716                 | 0.0000000                                | 0.0000000 | 0.0000070 | 0.0002200  | 0.0000000  |
| Cobalt    | 228.616                 | 0.0000000                                | 0.0000000 | 0.0000000 | 0.0000000  | -0.0007860 |
| Copper    | 224.700                 | 0.0000000                                | 0.0000000 | 0.0000000 | 0.0006510  | 0.0020500  |
| Iron      | 240.488                 | 0.0000000                                | 0.0000000 | 0.0000730 | 0.0000000  | -0.0015250 |
| Lead      | 220.353                 | 0.0000000                                | 0.0000000 | 0.0000000 | 0.0001400  | -0.0008600 |
| Magnesium | 279.079                 | 0.0000000                                | 0.0000000 | 0.0000000 | 0.0000000  | 0.0000000  |
| Manganese | 257.610                 | 0.0000000                                | 0.0000000 | 0.0000000 | 0.0000000  | 0.0000000  |
| Nickel    | 231.604                 | 0.0000000                                | 0.0000000 | 0.0000000 | 0.0000000  | 0.0000000  |
| Potassium | 766.490                 | 0.0000000                                | 0.0000000 | 0.0000000 | 0.0000000  | 0.0000000  |
| Selenium  | 196.090                 | 0.0000000                                | 0.0000000 | 0.0000000 | 0.0007460  | 0.0000000  |
| Silver    | 328.068                 | 0.0000000                                | 0.0000000 | 0.0000000 | 0.0000000  | -0.0000120 |
| Sodium    | 589.592                 | 0.0000000                                | 0.0000000 | 0.0000000 | 0.0000000  | 0.0000000  |
| Thallium  | 190.856                 | 0.0000000                                | 0.0000000 | 0.0000000 | 0.0017400  | -0.0100400 |
| Vanadium  | 292.402                 | -0.0025100                               | 0.0000000 | 0.0000000 | 0.0000000  | -0.0072000 |
| Zinc      | 213.800                 | 0.0000000                                | 0.0009010 | 0.0000000 | 0.0000000  | 0.0000000  |

**Metals**

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**ICP INTERELEMENT CORRECTION FACTORS**

**Client:** G Environmental

**SDG No.:** Q1574

**Contract:** GENV01

**Lab Code:** CHEM

**Case No.:** Q1574

**SAS No.:** Q1574

**Instrument ID:** \_\_\_\_\_

**Date:** \_\_\_\_\_

**Interelement Correction Factors (apparent ppb analyte/ppm interferent )**

| Analyte   | Wave-<br>Length<br>(nm) | ICP Interelement Correction Factors For: |            |           |           |           |
|-----------|-------------------------|------------------------------------------|------------|-----------|-----------|-----------|
|           |                         | Na                                       | Ni         | Pb        | Sb        | Se        |
| Aluminum  | 396.100                 | 0.0000000                                | 0.0000000  | 0.0012800 | 0.0000000 | 0.0000000 |
| Antimony  | 206.833                 | 0.0000000                                | 0.0000000  | 0.0000000 | 0.0000000 | 0.0000000 |
| Arsenic   | 193.759                 | 0.0000000                                | 0.0000000  | 0.0000000 | 0.0000000 | 0.0000000 |
| Barium    | 493.409                 | 0.0000000                                | 0.0000000  | 0.0000000 | 0.0000000 | 0.0000000 |
| Beryllium | 234.861                 | 0.0000000                                | 0.0000000  | 0.0000000 | 0.0000000 | 0.0000000 |
| Cadmium   | 226.502                 | 0.0000000                                | 0.0000000  | 0.0000000 | 0.0000000 | 0.0000000 |
| Calcium   | 373.690                 | 0.0000000                                | 0.0000000  | 0.0000000 | 0.0000000 | 0.0000000 |
| Chromium  | 267.716                 | 0.0000000                                | 0.0000000  | 0.0000000 | 0.0000000 | 0.0000000 |
| Cobalt    | 228.616                 | 0.0000000                                | 0.0000000  | 0.0000000 | 0.0000000 | 0.0000000 |
| Copper    | 224.700                 | 0.0000000                                | -0.0047000 | 0.0036100 | 0.0000000 | 0.0000000 |
| Iron      | 240.488                 | 0.0000000                                | -0.0017000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Lead      | 220.353                 | 0.0000000                                | 0.0006580  | 0.0000000 | 0.0000000 | 0.0001290 |
| Magnesium | 279.079                 | 0.0000000                                | 0.0000000  | 0.0000000 | 0.0000000 | 0.0000000 |
| Manganese | 257.610                 | 0.0000000                                | 0.0000000  | 0.0000000 | 0.0000000 | 0.0000000 |
| Nickel    | 231.604                 | 0.0000000                                | 0.0000000  | 0.0000000 | 0.0000000 | 0.0000000 |
| Potassium | 766.490                 | 0.0000000                                | 0.0000000  | 0.0000000 | 0.0000000 | 0.0000000 |
| Selenium  | 196.090                 | 0.0000000                                | 0.0000000  | 0.0003330 | 0.0000000 | 0.0000000 |
| Silver    | 328.068                 | 0.0000000                                | 0.0000000  | 0.0000000 | 0.0000000 | 0.0000000 |
| Sodium    | 589.592                 | 0.0000000                                | 0.0000000  | 0.0000000 | 0.0000000 | 0.0000000 |
| Thallium  | 190.856                 | 0.0000000                                | 0.0000000  | 0.0000000 | 0.0000000 | 0.0000000 |
| Vanadium  | 292.402                 | 0.0000000                                | 0.0000000  | 0.0000000 | 0.0000000 | 0.0000000 |
| Zinc      | 213.800                 | 0.0000000                                | 0.0067600  | 0.0000000 | 0.0000000 | 0.0000000 |

**Metals**

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**ICP INTERELEMENT CORRECTION FACTORS**

**Client:** G Environmental

**SDG No.:** Q1574

**Contract:** GENV01

**Lab Code:** CHEM

**Case No.:** Q1574

**SAS No.:** Q1574

**Instrument ID:** \_\_\_\_\_

**Date:** \_\_\_\_\_

**Interelement Correction Factors (apparent ppb analyte/ppm interferent )**

| Analyte   | Wave-<br>Length<br>(nm) | ICP Interelement Correction Factors For: |            |           |            |           |
|-----------|-------------------------|------------------------------------------|------------|-----------|------------|-----------|
|           |                         | Sn                                       | Ti         | Tl        | V          | Zn        |
| Aluminum  | 396.100                 | 0.0000000                                | 0.0000000  | 0.0000000 | 0.0000000  | 0.0000000 |
| Antimony  | 206.833                 | -0.0035600                               | -0.0007970 | 0.0000000 | -0.0018900 | 0.0000000 |
| Arsenic   | 193.759                 | 0.0000000                                | 0.0000000  | 0.0000000 | 0.0000000  | 0.0000000 |
| Barium    | 493.409                 | 0.0000000                                | 0.0000000  | 0.0000000 | 0.0000000  | 0.0000000 |
| Beryllium | 234.861                 | 0.0000000                                | 0.0000000  | 0.0000000 | 0.0000000  | 0.0000000 |
| Cadmium   | 226.502                 | 0.0000000                                | 0.0000630  | 0.0001280 | 0.0000000  | 0.0000000 |
| Calcium   | 373.690                 | 0.0000000                                | 0.0000000  | 0.0000000 | 0.0000000  | 0.0000000 |
| Chromium  | 267.716                 | 0.0000000                                | 0.0000000  | 0.0000000 | 0.0001110  | 0.0000000 |
| Cobalt    | 228.616                 | 0.0000000                                | 0.0018800  | 0.0000000 | 0.0000000  | 0.0000000 |
| Copper    | 224.700                 | 0.0000000                                | 0.0003840  | 0.0000000 | 0.0000000  | 0.0000000 |
| Iron      | 240.488                 | 0.0000000                                | 0.0000000  | 0.0000000 | 0.0000000  | 0.0000000 |
| Lead      | 220.353                 | 0.0000000                                | -0.0003610 | 0.0000000 | 0.0000000  | 0.0000000 |
| Magnesium | 279.079                 | 0.0000000                                | 0.0000000  | 0.0000000 | 0.0000000  | 0.0000000 |
| Manganese | 257.610                 | 0.0000000                                | 0.0000000  | 0.0000000 | 0.0000000  | 0.0000000 |
| Nickel    | 231.604                 | 0.0000000                                | 0.0000000  | 0.0000000 | 0.0000000  | 0.0000000 |
| Potassium | 766.490                 | 0.0000000                                | 0.0000000  | 0.0000000 | 0.0000000  | 0.0000000 |
| Selenium  | 196.090                 | 0.0000000                                | 0.0000000  | 0.0000000 | 0.0000000  | 0.0000000 |
| Silver    | 328.068                 | 0.0000000                                | -0.0007420 | 0.0000000 | 0.0000000  | 0.0000000 |
| Sodium    | 589.592                 | 0.0000000                                | 0.0000000  | 0.0000000 | 0.0000000  | 0.0000000 |
| Thallium  | 190.856                 | 0.0000000                                | -0.0039700 | 0.0000000 | -0.0115600 | 0.0000000 |
| Vanadium  | 292.402                 | 0.0000000                                | 0.0005320  | 0.0000000 | 0.0000000  | 0.0000000 |
| Zinc      | 213.800                 | 0.0000000                                | 0.0000000  | 0.0000000 | 0.0000000  | 0.0000000 |

## LAB CHRONICLE

|                 |                 |                   |                       |
|-----------------|-----------------|-------------------|-----------------------|
| <b>OrderID:</b> | Q1574           | <b>OrderDate:</b> | 3/14/2025 11:25:00 AM |
| <b>Client:</b>  | G Environmental | <b>Project:</b>   | Ave L                 |
| <b>Contact:</b> | Gary Landis     | <b>Location:</b>  | I41,VOA Ref. #2 Soil  |

| LabID    | ClientID | Matrix | Test           | Method | Sample Date | Prep Date | Anal Date | Received |
|----------|----------|--------|----------------|--------|-------------|-----------|-----------|----------|
| Q1574-01 | WC1      | SOIL   |                |        | 03/12/25    |           |           | 03/14/25 |
|          |          |        | Mercury        | 7471B  |             | 03/17/25  | 03/17/25  |          |
|          |          |        | Metals ICP-TAL | 6010D  |             | 03/14/25  | 03/18/25  |          |



# METAL PREPARATION & ANALYICAL SUMMARY

**Metals**

- 13 -

**SAMPLE PREPARATION SUMMARY**

|                  |                        |                  |              |
|------------------|------------------------|------------------|--------------|
| <b>Client:</b>   | <u>G Environmental</u> | <b>SDG No.:</b>  | <u>Q1574</u> |
| <b>Contract:</b> | <u>GENV01</u>          | <b>Lab Code:</b> | <u>CHEM</u>  |
|                  |                        | <b>Method:</b>   | <u></u>      |
|                  |                        | <b>Case No.:</b> | <u>Q1574</u> |
|                  |                        | <b>SAS No.:</b>  | <u>Q1574</u> |

| Sample ID                     | Client ID       | Sample Type | Matrix | Prep Date  | Initial Sample Size(g) | Final Sample Volume (mL) | Percent Solids |
|-------------------------------|-----------------|-------------|--------|------------|------------------------|--------------------------|----------------|
| <b>Batch Number: PB167145</b> |                 |             |        |            |                        |                          |                |
| PB167145BL                    | PB167145BL      | MB          | SOLID  | 03/14/2025 | 2.13                   | 100.0                    | 100.00         |
| PB167145BS                    | PB167145BS      | LCS         | SOLID  | 03/14/2025 | 2.40                   | 100.0                    | 100.00         |
| Q1574-01                      | WC1             | SAM         | SOLID  | 03/14/2025 | 2.33                   | 100.0                    | 98.00          |
| Q1581-01DUP                   | TR-06-031425DUP | DUP         | SOLID  | 03/14/2025 | 2.22                   | 100.0                    | 93.30          |
| Q1581-01MS                    | TR-06-031425MS  | MS          | SOLID  | 03/14/2025 | 2.28                   | 100.0                    | 93.30          |
| Q1581-01MSD                   | TR-06-031425MSD | MSD         | SOLID  | 03/14/2025 | 2.06                   | 100.0                    | 93.30          |

**Metals**

- 13 -

**SAMPLE PREPARATION SUMMARY**

|                  |                        |                  |              |
|------------------|------------------------|------------------|--------------|
| <b>Client:</b>   | <u>G Environmental</u> | <b>SDG No.:</b>  | <u>Q1574</u> |
| <b>Contract:</b> | <u>GENV01</u>          | <b>Lab Code:</b> | <u>CHEM</u>  |
|                  |                        | <b>Method:</b>   | <u></u>      |
|                  |                        | <b>Case No.:</b> | <u>Q1574</u> |
|                  |                        | <b>SAS No.:</b>  | <u>Q1574</u> |

| Sample ID                     | Client ID         | Sample Type | Matrix | Prep Date  | Initial Sample Size(g) | Final Sample Volume (mL) | Percent Solids |
|-------------------------------|-------------------|-------------|--------|------------|------------------------|--------------------------|----------------|
| <b>Batch Number: PB167162</b> |                   |             |        |            |                        |                          |                |
| PB167162BL                    | PB167162BL        | MB          | SOLID  | 03/17/2025 | 0.55                   | 35.0                     | 100.00         |
| PB167162BS                    | PB167162BS        | LCS         | SOLID  | 03/17/2025 | 0.53                   | 35.0                     | 100.00         |
| Q1574-01                      | WC1               | SAM         | SOLID  | 03/17/2025 | 0.56                   | 35.0                     | 98.00          |
| Q1585-01DUP                   | OK-02-03142025DUP | DUP         | SOLID  | 03/17/2025 | 0.55                   | 35.0                     | 97.10          |
| Q1585-01MS                    | OK-02-03142025MS  | MS          | SOLID  | 03/17/2025 | 0.59                   | 35.0                     | 97.10          |
| Q1585-01MSD                   | OK-02-03142025MSD | MSD         | SOLID  | 03/17/2025 | 0.58                   | 35.0                     | 97.10          |

Instrument ID: CV1

**Daily Analysis Runlog For Sequence/QC Batch ID # LB135056**

|                  |                                                 |              |                       |
|------------------|-------------------------------------------------|--------------|-----------------------|
| Review By        | Mohan                                           | Review On    | 3/18/2025 11:05:57 AM |
| Supervise By     | jaswal                                          | Supervise On | 3/18/2025 11:30:22 PM |
| <b>STD. NAME</b> | <b>STD REF.#</b>                                |              |                       |
| ICAL Standard    | MP84882,MP84883,MP84884,MP84885,MP84886,MP84887 |              |                       |
| ICV Standard     | MP84889                                         |              |                       |
| CCV Standard     | MP84891                                         |              |                       |
| ICSA Standard    |                                                 |              |                       |
| CRI Standard     | MP84893                                         |              |                       |
| LCS Standard     |                                                 |              |                       |
| Chk Standard     | MP84890,MP84892,MP84894,MP84896                 |              |                       |

| Sr# | SampleId   | ClientID           | QcType   | Date           | Comment | Operator | Status |
|-----|------------|--------------------|----------|----------------|---------|----------|--------|
| 1   | S0         | S0                 | CAL1     | 03/17/25 13:06 |         | Mohan    | OK     |
| 2   | S0.2       | S0.2               | CAL2     | 03/17/25 13:08 |         | Mohan    | OK     |
| 3   | S2.5       | S2.5               | CAL3     | 03/17/25 13:10 |         | Mohan    | OK     |
| 4   | S5         | S5                 | CAL4     | 03/17/25 13:12 |         | Mohan    | OK     |
| 5   | S7.5       | S7.5               | CAL5     | 03/17/25 13:20 |         | Mohan    | OK     |
| 6   | S10        | S10                | CAL6     | 03/17/25 13:25 |         | Mohan    | OK     |
| 7   | ICV45      | ICV45              | ICV      | 03/17/25 13:28 |         | Mohan    | OK     |
| 8   | ICB45      | ICB45              | ICB      | 03/17/25 13:30 |         | Mohan    | OK     |
| 9   | CCV17      | CCV17              | CCV      | 03/17/25 13:33 |         | Mohan    | OK     |
| 10  | CCB17      | CCB17              | CCB      | 03/17/25 13:35 |         | Mohan    | OK     |
| 11  | CRA        | CRA                | CRDL     | 03/17/25 13:37 |         | Mohan    | OK     |
| 12  | HighStd    | HighStd            | HIGH STD | 03/17/25 13:40 |         | Mohan    | OK     |
| 13  | ChkStd     | ChkStd             | SAM      | 03/17/25 13:42 |         | Mohan    | OK     |
| 14  | PB167162BL | PB167162BL         | MB       | 03/17/25 13:44 |         | Mohan    | OK     |
| 15  | PB167162BS | PB167162BS         | LCS      | 03/17/25 13:46 |         | Mohan    | OK     |
| 16  | Q1566-01   | CTWK-COMP          | SAM      | 03/17/25 13:49 |         | Mohan    | OK     |
| 17  | Q1568-01   | JC-03-03132025     | SAM      | 03/17/25 13:51 |         | Mohan    | OK     |
| 18  | Q1569-04   | TAP-IDW-SOIL-03132 | SAM      | 03/17/25 13:53 |         | Mohan    | OK     |



Instrument ID: CV1

**Daily Analysis Runlog For Sequence/QC Batch ID # LB135056**

|                  |                                                 |              |                       |
|------------------|-------------------------------------------------|--------------|-----------------------|
| Review By        | Mohan                                           | Review On    | 3/18/2025 11:05:57 AM |
| Supervise By     | jaswal                                          | Supervise On | 3/18/2025 11:30:22 PM |
| <b>STD. NAME</b> | <b>STD REF.#</b>                                |              |                       |
| ICAL Standard    | MP84882,MP84883,MP84884,MP84885,MP84886,MP84887 |              |                       |
| ICV Standard     | MP84889                                         |              |                       |
| CCV Standard     | MP84891                                         |              |                       |
| ICSA Standard    |                                                 |              |                       |
| CRI Standard     | MP84893                                         |              |                       |
| LCS Standard     |                                                 |              |                       |
| Chk Standard     | MP84890,MP84892,MP84894,MP84896                 |              |                       |

|    |             |                   |     |                |                       |       |          |
|----|-------------|-------------------|-----|----------------|-----------------------|-------|----------|
| 19 | Q1574-01    | WC1               | SAM | 03/17/25 13:56 | High                  | Mohan | Dilution |
| 20 | Q1581-01    | TR-06-031425      | SAM | 03/17/25 13:57 | High                  | Mohan | Dilution |
| 21 | CCV18       | CCV18             | CCV | 03/17/25 14:05 |                       | Mohan | OK       |
| 22 | CCB18       | CCB18             | CCB | 03/17/25 14:07 |                       | Mohan | OK       |
| 23 | Q1585-01    | OK-02-03142025    | SAM | 03/17/25 14:14 |                       | Mohan | OK       |
| 24 | Q1585-01DUP | OK-02-03142025DUP | DUP | 03/17/25 14:16 |                       | Mohan | OK       |
| 25 | Q1585-01MS  | OK-02-03142025MS  | MS  | 03/17/25 14:19 |                       | Mohan | OK       |
| 26 | Q1585-01MSD | OK-02-03142025MSD | MSD | 03/17/25 14:21 |                       | Mohan | OK       |
| 27 | Q1585-01L   | OK-02-03142025L   | SD  | 03/17/25 14:23 |                       | Mohan | OK       |
| 28 | Q1585-01A   | OK-02-03142025A   | PS  | 03/17/25 14:25 |                       | Mohan | OK       |
| 29 | Q1574-01DL  | WC1DL             | SAM | 03/17/25 14:28 | Report 10X,Still high | Mohan | Dilution |
| 30 | Q1581-01DL  | TR-06-031425DL    | SAM | 03/17/25 14:30 | Report 10X            | Mohan | Confirms |
| 31 | Q1574-01DL2 | WC1DL2            | SAM | 03/17/25 14:37 | Report 50X            | Mohan | Confirms |
| 32 | CCV19       | CCV19             | CCV | 03/17/25 14:40 |                       | Mohan | OK       |
| 33 | CCB19       | CCB19             | CCB | 03/17/25 14:42 |                       | Mohan | OK       |

Instrument ID: P4

**Daily Analysis Runlog For Sequence/QC Batch ID # LB135083**

|                  |                                                 |              |                       |
|------------------|-------------------------------------------------|--------------|-----------------------|
| Review By        | kareem                                          | Review On    | 3/19/2025 10:45:13 AM |
| Supervise By     | jaswal                                          | Supervise On | 3/20/2025 11:14:55 AM |
| <b>STD. NAME</b> | <b>STD REF.#</b>                                |              |                       |
| ICAL Standard    | MP84636,MP84637,MP84638,MP84639,MP84640,MP84846 |              |                       |
| ICV Standard     | MP84643                                         |              |                       |
| CCV Standard     | MP84646                                         |              |                       |
| ICSA Standard    | MP84644,MP84721                                 |              |                       |
| CRI Standard     | MP84846                                         |              |                       |
| LCS Standard     |                                                 |              |                       |
| Chk Standard     | MP84649,MP84650                                 |              |                       |

| Sr# | SampleId   | ClientID   | QcType | Date           | Comment                                                 | Operator | Status |
|-----|------------|------------|--------|----------------|---------------------------------------------------------|----------|--------|
| 1   | S0         | S0         | CAL1   | 03/18/25 10:11 |                                                         | Kareem   | OK     |
| 2   | S1         | S1         | CAL2   | 03/18/25 10:15 |                                                         | Kareem   | OK     |
| 3   | S2         | S2         | CAL3   | 03/18/25 10:20 |                                                         | Kareem   | OK     |
| 4   | S3         | S3         | CAL4   | 03/18/25 10:24 |                                                         | Kareem   | OK     |
| 5   | S4         | S4         | CAL5   | 03/18/25 10:28 |                                                         | Kareem   | OK     |
| 6   | S5         | S5         | CAL6   | 03/18/25 10:32 |                                                         | Kareem   | OK     |
| 7   | ICV01      | ICV01      | ICV    | 03/18/25 10:36 | ICV01 Fail for Be,TI (200.7)                            | Kareem   | OK     |
| 8   | LLICV01    | LLICV01    | LLICV  | 03/18/25 10:41 |                                                         | Kareem   | OK     |
| 9   | ICB01      | ICB01      | ICB    | 03/18/25 10:45 |                                                         | Kareem   | OK     |
| 10  | CRI01      | CRI01      | CRDL   | 03/18/25 10:49 |                                                         | Kareem   | OK     |
| 11  | ICSA01     | ICSA01     | ICSA   | 03/18/25 10:54 |                                                         | Kareem   | OK     |
| 12  | ICSAB01    | ICSAB01    | ICSAB  | 03/18/25 11:04 |                                                         | Kareem   | OK     |
| 13  | CCV01      | CCV01      | CCV    | 03/18/25 11:09 |                                                         | Kareem   | OK     |
| 14  | CCB01      | CCB01      | CCB    | 03/18/25 11:13 |                                                         | Kareem   | OK     |
| 15  | PB167145BL | PB167145BL | MB     | 03/18/25 11:18 |                                                         | Kareem   | OK     |
| 16  | PB167145BS | PB167145BS | LCS    | 03/18/25 11:22 | 0.1 ml of M6013 and M6004 were added to 10 ml of sample | Kareem   | OK     |
| 17  | PB167150BL | PB167150BL | MB     | 03/18/25 11:27 |                                                         | Kareem   | OK     |
|     |            |            |        |                |                                                         |          |        |

Instrument ID: P4

**Daily Analysis Runlog For Sequence/QC Batch ID # LB135083**

|              |        |              |                       |
|--------------|--------|--------------|-----------------------|
| Review By    | kareem | Review On    | 3/19/2025 10:45:13 AM |
| Supervise By | jaswal | Supervise On | 3/20/2025 11:14:55 AM |

| STD. NAME     | STD REF.#                                       |
|---------------|-------------------------------------------------|
| ICAL Standard | MP84636,MP84637,MP84638,MP84639,MP84640,MP84846 |
| ICV Standard  | MP84643                                         |
| CCV Standard  | MP84646                                         |
| ICSA Standard | MP84644,MP84721                                 |
| CRI Standard  | MP84846                                         |
| LCS Standard  |                                                 |
| Chk Standard  | MP84649,MP84650                                 |

|    |             |                    |     |                |                                                         |        |          |
|----|-------------|--------------------|-----|----------------|---------------------------------------------------------|--------|----------|
| 18 | PB167150BS  | PB167150BS         | LCS | 03/18/25 11:32 | 0.1 ml of M6013 and M6004 were added to 10 ml of sample | Kareem | OK       |
| 19 | Q1569-05    | TAP-IDW-SOIL-03132 | SAM | 03/18/25 11:36 | Need to Confirm TCLP                                    | Kareem | OK       |
| 20 | Q1569-02    | TAP-IDW-SOIL-03132 | SAM | 03/18/25 11:40 |                                                         | Kareem | OK       |
| 21 | Q1574-02    | WC1                | SAM | 03/18/25 11:45 |                                                         | Kareem | OK       |
| 22 | Q1574-01    | WC1                | SAM | 03/18/25 11:49 | Cr,Cu,Fe,Zn High & Ag (Oversaturated)                   | Kareem | Dilution |
| 23 | Q1569-04    | TAP-IDW-SOIL-03132 | SAM | 03/18/25 11:54 |                                                         | Kareem | OK       |
| 24 | Q1581-01    | TR-06-031425       | SAM | 03/18/25 11:58 |                                                         | Kareem | OK       |
| 25 | CCV02       | CCV02              | CCV | 03/18/25 12:08 |                                                         | Kareem | OK       |
| 26 | CCB02       | CCB02              | CCB | 03/18/25 12:17 |                                                         | Kareem | OK       |
| 27 | Q1581-01DUP | TR-06-031425DUP    | DUP | 03/18/25 12:22 |                                                         | Kareem | OK       |
| 28 | Q1581-01L   | TR-06-031425L      | SD  | 03/18/25 12:26 |                                                         | Kareem | OK       |
| 29 | Q1581-01MS  | TR-06-031425MS     | MS  | 03/18/25 12:30 | 0.1 ml of M6013 and M6004 were added to 10 ml of sample | Kareem | OK       |
| 30 | Q1581-01MSD | TR-06-031425MSD    | MSD | 03/18/25 12:34 | 0.1 ml of M6013 and M6004 were added to 10 ml of sample | Kareem | OK       |
| 31 | Q1581-01A   | TR-06-031425A      | PS  | 03/18/25 12:38 | 0.1 ml of M6013 and M6004 were added to 10 ml of sample | Kareem | OK       |
| 32 | Q1585-01    | OK-02-03142025     | SAM | 03/18/25 12:42 |                                                         | Kareem | OK       |
| 33 | Q1585-01DUP | OK-02-03142025DUP  | DUP | 03/18/25 12:46 |                                                         | Kareem | OK       |

Instrument ID: P4

**Daily Analysis Runlog For Sequence/QC Batch ID # LB135083**

|                  |                                                 |              |                       |
|------------------|-------------------------------------------------|--------------|-----------------------|
| Review By        | kareem                                          | Review On    | 3/19/2025 10:45:13 AM |
| Supervise By     | jaswal                                          | Supervise On | 3/20/2025 11:14:55 AM |
| <b>STD. NAME</b> | <b>STD REF.#</b>                                |              |                       |
| ICAL Standard    | MP84636,MP84637,MP84638,MP84639,MP84640,MP84846 |              |                       |
| ICV Standard     | MP84643                                         |              |                       |
| CCV Standard     | MP84646                                         |              |                       |
| ICSA Standard    | MP84644,MP84721                                 |              |                       |
| CRI Standard     | MP84846                                         |              |                       |
| LCS Standard     |                                                 |              |                       |
| Chk Standard     | MP84649,MP84650                                 |              |                       |

|    |             |                   |          |                |                                                         |        |          |
|----|-------------|-------------------|----------|----------------|---------------------------------------------------------|--------|----------|
| 34 | Q1585-01L   | OK-02-03142025L   | SD       | 03/18/25 12:50 |                                                         | Kareem | OK       |
| 35 | Q1585-01MS  | OK-02-03142025MS  | MS       | 03/18/25 12:55 | 0.1 ml of M6013 and M6004 were added to 10 ml of sample | Kareem | OK       |
| 36 | Q1585-01MSD | OK-02-03142025MSD | MSD      | 03/18/25 12:59 | 0.1 ml of M6013 and M6004 were added to 10 ml of sample | Kareem | OK       |
| 37 | CCV03       | CCV03             | CCV      | 03/18/25 13:07 |                                                         | Kareem | OK       |
| 38 | CCB03       | CCB03             | CCB      | 03/18/25 13:13 |                                                         | Kareem | OK       |
| 39 | Q1585-01A   | OK-02-03142025A   | PS       | 03/18/25 13:17 | 0.1 ml of M6013 and M6004 were added to 10 ml of sample | Kareem | OK       |
| 40 | Q1574-02L   | WC1L              | SD       | 03/18/25 13:32 | NOT USE                                                 | Kareem | Not Ok   |
| 41 | Q1574-01DL  | WC1DL             | SAM      | 03/18/25 13:41 | 20X for Cr,Cu,Fe,Ag,Zn                                  | Kareem | Confirms |
| 42 | LR1         | LR1               | HIGH STD | 03/18/25 13:45 |                                                         | Kareem | OK       |
| 43 | LR2         | LR2               | HIGH STD | 03/18/25 13:50 |                                                         | Kareem | OK       |
| 44 | Q1590-02    | 20071             | SAM      | 03/18/25 13:54 |                                                         | Kareem | OK       |
| 45 | Q1590-02DUP | 20071DUP          | DUP      | 03/18/25 13:58 |                                                         | Kareem | OK       |
| 46 | Q1590-02L   | 20071L            | SD       | 03/18/25 14:03 |                                                         | Kareem | OK       |
| 47 | CCV04       | CCV04             | CCV      | 03/18/25 14:07 |                                                         | Kareem | OK       |
| 48 | CCB04       | CCB04             | CCB      | 03/18/25 14:20 |                                                         | Kareem | OK       |
| 49 | Q1590-02MS  | 20071MS           | MS       | 03/18/25 14:24 | 0.1 ml of M6013 and M6004 were added to 10 ml of sample | Kareem | OK       |

Instrument ID: P4

**Daily Analysis Runlog For Sequence/QC Batch ID # LB135083**

| Review By     | kareem                                          | Review On    | 3/19/2025 10:45:13 AM |
|---------------|-------------------------------------------------|--------------|-----------------------|
| Supervise By  | jaswal                                          | Supervise On | 3/20/2025 11:14:55 AM |
| STD. NAME     | STD REF.#                                       |              |                       |
| ICAL Standard | MP84636,MP84637,MP84638,MP84639,MP84640,MP84846 |              |                       |
| ICV Standard  | MP84643                                         |              |                       |
| CCV Standard  | MP84646                                         |              |                       |
| ICSA Standard | MP84644,MP84721                                 |              |                       |
| CRI Standard  | MP84846                                         |              |                       |
| LCS Standard  |                                                 |              |                       |
| Chk Standard  | MP84649,MP84650                                 |              |                       |

|    |             |                  |     |                |                                                         |        |    |
|----|-------------|------------------|-----|----------------|---------------------------------------------------------|--------|----|
| 50 | Q1590-02MSD | 20071MSD         | MSD | 03/18/25 14:28 | 0.1 ml of M6013 and M6004 were added to 10 ml of sample | Kareem | OK |
| 51 | Q1590-02A   | 20071A           | PS  | 03/18/25 14:32 | 0.1 ml of M6013 and M6004 were added to 10 ml of sample | Kareem | OK |
| 52 | Q1592-01    | OILY-DEBRIS-COMP | SAM | 03/18/25 14:37 | % Solids Missing                                        | Kareem | OK |
| 53 | PB167179BL  | PB167179BL       | MB  | 03/18/25 14:41 |                                                         | Kareem | OK |
| 54 | PB167179BS  | PB167179BS       | LCS | 03/18/25 14:45 | 0.1 ml of M6013 and M6004 were added to 10 ml of sample | Kareem | OK |
| 55 | CCV05       | CCV05            | CCV | 03/18/25 14:49 |                                                         | Kareem | OK |
| 56 | CCB05       | CCB05            | CCB | 03/18/25 14:53 |                                                         | Kareem | OK |

SOP ID : M3050B-Digestion-20

SDG No : N/A

Matrix : SOIL

Pipette ID: ICP A

Balance ID : M SC-2

Filter paper ID : N/A

pH Strip ID : N/A

Hood ID : #3

Block ID: 1. HOT BLOCK #2 2. N/A

Start Digest Date: 03/14/2025 Time : 15:20 Temp : 96 °C

End Digest Date: 03/14/2025 Time : 17:25 Temp : 96 °C

Digestion tube ID: M6054

Block thermometer ID: MET-DIG. #2

Dig Technician Signature: *SKS*

Supervisor Signature: *SKS*

Temp : 1. 96°C 2. N/A

| Standard Name | MLS USED | STD REF. # FROM LOG |
|---------------|----------|---------------------|
| LFS-1         | 1.00     | M6003               |
| LFS-2         | 1.00     | M6011               |
| 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 |
|---------------------|----------------|------------|
| 1:1 HNO3            | 10.00          | MP84041    |
| Conc. HNO3          | 5.00           | M6158      |
| 30% H2O2            | 3.00           | M6125      |
| Conc. HCL           | 10.00          | M6151      |
| PTFE Boiling Stones | N/A            | M5585      |
| N/A                 | N/A            | N/A        |
| N/A                 | N/A            | N/A        |
| N/A                 | N/A            | N/A        |
| N/A                 | N/A            | N/A        |
| N/A                 | N/A            | N/A        |

### Extraction Conformance/Non-Conformance Comments:

HOT BLOCK # 2 CELL 35 Temp :96 C

| Date / Time    | Prepped Sample Relinquished By/Location | Received By/Location |
|----------------|-----------------------------------------|----------------------|
| 03/14/25 18:25 | <i>SKS met-dig</i>                      | <i>SKS met-dig</i>   |
|                | Preparation Group                       | Analysis Group       |

| Lab Sample ID | Client Sample ID       | pH  | Initial Weight (g) | Final Vol (ml) | Color Before | Color After | Texture | Artifact | Comment     | Prep Pos |
|---------------|------------------------|-----|--------------------|----------------|--------------|-------------|---------|----------|-------------|----------|
| PB167145BL    | PBS145                 | N/A | 2.13               | 100            | Brown        | Yellow      | Medium  | N/A      | N/A         | 1        |
| PB167145BS    | LCS145                 | N/A | 2.40               | 100            | Brown        | Yellow      | Medium  | N/A      | M6003,M6011 | 2        |
| Q1569-04      | TAP-IDW-SOIL-031325-02 | N/A | 2.17               | 100            | Brown        | Yellow      | Medium  | N/A      | N/A         | 3        |
| Q1574-01      | WC1                    | N/A | 2.33               | 100            | Brown        | Yellow      | Medium  | N/A      | N/A         | 4        |
| Q1581-01      | TR-06-031425           | N/A | 2.37               | 100            | Brown        | Yellow      | Medium  | N/A      | N/A         | 5        |
| Q1581-01MS    | TR-06-031425MS         | N/A | 2.28               | 100            | Brown        | Yellow      | Medium  | N/A      | M6003,M6011 | 7        |
| Q1581-01MSD   | TR-06-031425MSD        | N/A | 2.06               | 100            | Brown        | Yellow      | Medium  | N/A      | M6003,M6011 | 8        |
| Q1581-01DUP   | TR-06-031425DUP        | N/A | 2.22               | 100            | Brown        | Yellow      | Medium  | N/A      | N/A         | 6        |

SOP ID : M7471B-Mercury-18

SDG No : NA

Matrix : SOIL

Pipette ID : HG A

Balance ID : M SC-3

Filter paper ID : NA

pH Strip ID : NA

Hood ID : #1

Block ID: 1. HG HOT BLOCK#3 2. N/A

Start Digest Date: 03/17/2025 Time : 09:45 Temp : 95 °C

End Digest Date: 03/17/2025 Time : 10:15 Temp : 94 °C

Digestion tube ID: M5595

Block thermometer ID: HG-DIG#3

Dig Technician Signature: 

Supervisor Signature: 

Temp : 1. 95°C 2. N/A

| Standardized Name | MLS USED | STD REF. # FROM LOG |
|-------------------|----------|---------------------|
| ICV               | 30mL     | MP84889             |
| CCV               | 30mL     | MP854891            |
| CRA               | 30mL     | MP84893             |
| Blank Spike       | 0.48mL   | M;84881             |
| Matrix Spike      | 0.48mL   | MP84881             |

| Chemical Used           | ML/SAMPLE USED | Lot Number |
|-------------------------|----------------|------------|
| AQUA REGIA              | 1.5mL          | MP84894    |
| KMnO4 (5%)              | 4.5mL          | MP84564    |
| Hydroxylamine HCL (12%) | 2.0mL          | MP84566    |
| PTFE Boiling Stones     | -----          | M4583      |
| N/A                     | N/A            | N/A        |
| N/A                     | N/A            | N/A        |
| N/A                     | N/A            | N/A        |
| N/A                     | N/A            | N/A        |
| N/A                     | N/A            | N/A        |
| N/A                     | N/A            | N/A        |

| LAB SAMPLE ID | CLIENT SAMPLE ID | Wt(g)/Vol(ml) | Comment |
|---------------|------------------|---------------|---------|
| 0.0 ppb       | S0               | 30mL          | MP84882 |
| 0.05 ppb      | S0.05            | N/A           | N/A     |
| 0.2 ppb       | S0.2             | 30mL          | MP84883 |
| 2.5 ppb       | S2.5             | 30mL          | MP84884 |
| 5.0 ppb       | S5.0             | 30mL          | MP84885 |
| 7.5 ppb       | S7.5             | 30mL          | MP84886 |
| 10.0 ppb      | S10.0            | 30mL          | MP84887 |
| ICV           | ICV              | 30mL          | MP84889 |
| ICB           | ICB              | 30mL          | MP84890 |
| CCV           | CCV              | 30mL          | MP84891 |
| CCB           | CCB              | 30mL          | MP84892 |
| CRI           | CRI              | 30mL          | MP84893 |
| CHK STD       | CHK STD          | 30mL          | MP84894 |

## Extraction Conformance/Non-Conformance Comments:

| N/A             |                                         |                      |
|-----------------|-----------------------------------------|----------------------|
| Date / Time     | Prepped Sample Relinquished By/Location | Received By/Location |
| 3/17/25 @ 10:40 | MS - Dig. Lab                           | MS - metal Lab       |
|                 | Preparation Group                       | Analysis Group       |



| Lab Sample ID | Client Sample ID       | Initial Weight (g) | Final Vol (ml) | pH | Comment | Prep Pos |
|---------------|------------------------|--------------------|----------------|----|---------|----------|
| PB167162BL    | PBS162                 | 0.55               | 35             | NA | N/A     | 3-1      |
| PB167162BS    | LCS162                 | 0.53               | 35             | NA | MP84881 | 2        |
| Q1566-01      | CTWK-COMP              | 0.52               | 35             | NA | N/A     | 3        |
| Q1568-01      | JC-03-03132025         | 0.58               | 35             | NA | N/A     | 4        |
| Q1569-04      | TAP-IDW-SOIL-031325-02 | 0.60               | 35             | NA | N/A     | 5        |
| Q1574-01      | WC1                    | 0.56               | 35             | NA | N/A     | 6        |
| Q1581-01      | TR-06-031425           | 0.56               | 35             | NA | N/A     | 7        |
| Q1585-01      | OK-02-03142025         | 0.59               | 35             | NA | N/A     | 8        |
| Q1585-01DUP   | OK-02-03142025DUP      | 0.55               | 35             | NA | N/A     | 9        |
| Q1585-01MS    | OK-02-03142025MS       | 0.59               | 35             | NA | MP84881 | 10       |
| Q1585-01MSD   | OK-02-03142025MSD      | 0.58               | 35             | NA | MP84881 | 11       |



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

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

**SDG No.:** Q1574 **Order ID:** Q1574  
**Client:** G Environmental **Project ID:** Ave L

| Sample ID              | Client ID | Matrix | Parameter | Concentration | C | MDL  | RDL  | Units |
|------------------------|-----------|--------|-----------|---------------|---|------|------|-------|
| <b>Client ID : WC1</b> |           |        |           |               |   |      |      |       |
| Q1574-02               | WC1       | TCLP   | Arsenic   | 58.2          | J | 34.8 | 100  | ug/L  |
| Q1574-02               | WC1       | TCLP   | Barium    | 1180          |   | 62.8 | 500  | ug/L  |
| Q1574-02               | WC1       | TCLP   | Cadmium   | 176           |   | 0.94 | 30.0 | ug/L  |
| Q1574-02               | WC1       | TCLP   | Chromium  | 10.8          | J | 6.60 | 50.0 | ug/L  |
| Q1574-02               | WC1       | TCLP   | Lead      | 4690          |   | 35.1 | 60.0 | ug/L  |
| Q1574-02               | WC1       | TCLP   | Mercury   | 5.22          |   | 0.76 | 2.00 | ug/L  |



# SAMPLE DATA

## Report of Analysis

|                   |                 |                 |          |
|-------------------|-----------------|-----------------|----------|
| Client:           | G Environmental | Date Collected: | 03/12/25 |
| Project:          | Ave L           | Date Received:  | 03/14/25 |
| Client Sample ID: | WC1             | SDG No.:        | Q1574    |
| Lab Sample ID:    | Q1574-02        | Matrix:         | TCLP     |
| Level (low/med):  | low             | % Solid:        | 0        |

| Cas       | Parameter | Conc. | Qua. | DF | MDL  | LOQ / CRQL | Units | Prep Date      | Date Ana.      | Ana Met. | Prep Met. |
|-----------|-----------|-------|------|----|------|------------|-------|----------------|----------------|----------|-----------|
| 7440-38-2 | Arsenic   | 58.2  | J    | 1  | 34.8 | 100        | ug/L  | 03/17/25 12:05 | 03/18/25 11:45 | SW6010   | SW3050    |
| 7440-39-3 | Barium    | 1180  |      | 1  | 62.8 | 500        | ug/L  | 03/17/25 12:05 | 03/18/25 11:45 | SW6010   | SW3050    |
| 7440-43-9 | Cadmium   | 176   |      | 1  | 0.94 | 30.0       | ug/L  | 03/17/25 12:05 | 03/18/25 11:45 | SW6010   | SW3050    |
| 7440-47-3 | Chromium  | 10.8  | J    | 1  | 6.60 | 50.0       | ug/L  | 03/17/25 12:05 | 03/18/25 11:45 | SW6010   | SW3050    |
| 7439-92-1 | Lead      | 4690  |      | 1  | 35.1 | 60.0       | ug/L  | 03/17/25 12:05 | 03/18/25 11:45 | SW6010   | SW3050    |
| 7439-97-6 | Mercury   | 5.22  |      | 1  | 0.76 | 2.00       | ug/L  | 03/17/25 10:35 | 03/18/25 10:45 | SW7470A  |           |
| 7782-49-2 | Selenium  | 58.8  | U    | 1  | 58.8 | 100        | ug/L  | 03/17/25 12:05 | 03/18/25 11:45 | SW6010   | SW3050    |
| 7440-22-4 | Silver    | 5.80  | U    | 1  | 5.80 | 50.0       | ug/L  | 03/17/25 12:05 | 03/18/25 11:45 | SW6010   | SW3050    |

|               |             |                 |       |            |
|---------------|-------------|-----------------|-------|------------|
| Color Before: | Colorless   | Clarity Before: | Clear | Texture:   |
| Color After:  | Colorless   | Clarity After:  | Clear | Artifacts: |
| Comments:     | TCLP METALS |                 |       |            |

U = Not Detected  
 LOQ = Limit of Quantitation  
 MDL = Method Detection Limit  
 LOD = Limit of Detection  
 D = Dilution  
 Q = indicates LCS control criteria did not meet requirements

J = Estimated Value  
 B = Analyte Found in Associated Method Blank  
 \* = indicates the duplicate analysis is not within control limits.  
 E = Indicates the reported value is estimated because of the presence of interference.  
 OR = Over Range  
 N = Spiked sample recovery not within control limits



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,  
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**Metals**

**- 3a -**

**INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY**

|           |                 |                |                     |              |          |           |                  |                  |               |       |  |
|-----------|-----------------|----------------|---------------------|--------------|----------|-----------|------------------|------------------|---------------|-------|--|
| Client:   | G Environmental |                |                     |              | SDG No.: | Q1574     |                  |                  |               |       |  |
| Contract: | GENV01          |                | Lab Code:           | CHEM         |          | Case No.: | Q1574            |                  | SAS No.:      | Q1574 |  |
| Sample ID | Analyte         | Result<br>ug/L | Acceptance<br>Limit | Conc<br>Qual | CRQL     | M         | Analysis<br>Date | Analysis<br>Time | Run<br>Number |       |  |
| ICB46     | Mercury         | 0.20           | +/-0.20             | U            | 0.20     | CV        | 03/18/2025       | 09:57            | LB135064      |       |  |

**Metals**

**- 3a -**

**INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY**

**Client:** G Environmental **SDG No.:** Q1574  
**Contract:** GENV01 **Lab Code:** CHEM **Case No.:** Q1574 **SAS No.:** Q1574

| Sample ID | Analyte | Result<br>ug/L | Acceptance<br>Limit | Conc<br>Qual | CRQL | M  | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
|-----------|---------|----------------|---------------------|--------------|------|----|------------------|------------------|---------------|
| CCB20     | Mercury | 0.20           | +/-0.20             | U            | 0.20 | CV | 03/18/2025       | 10:04            | LB135064      |
| CCB21     | Mercury | 0.20           | +/-0.20             | U            | 0.20 | CV | 03/18/2025       | 10:41            | LB135064      |
| CCB22     | Mercury | 0.20           | +/-0.20             | U            | 0.20 | CV | 03/18/2025       | 10:59            | LB135064      |

**Metals**

- 3a -

**INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY**

| <b>Client:</b> G Environmental |          | <b>SDG No.:</b> Q1574 |                     |                  |       |                 |                  |                  |               |
|--------------------------------|----------|-----------------------|---------------------|------------------|-------|-----------------|------------------|------------------|---------------|
| <b>Contract:</b>               | GENV01   | <b>Lab Code:</b>      | CHEM                | <b>Case No.:</b> | Q1574 | <b>SAS No.:</b> | Q1574            |                  |               |
| Sample ID                      | Analyte  | Result<br>ug/L        | Acceptance<br>Limit | Conc<br>Qual     | CRQL  | M               | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
| ICB01                          | Arsenic  | 20.0                  | +/-20.0             | U                | 20.0  | P               | 03/17/2025       | 14:43            | LB135063      |
|                                | Barium   | 100                   | +/-100              | U                | 100   | P               | 03/17/2025       | 14:43            | LB135063      |
|                                | Cadmium  | 6.00                  | +/-6.00             | U                | 6.00  | P               | 03/17/2025       | 14:43            | LB135063      |
|                                | Chromium | 10.0                  | +/-10.0             | U                | 10.0  | P               | 03/17/2025       | 14:43            | LB135063      |
|                                | Lead     | 12.0                  | +/-12.0             | U                | 12.0  | P               | 03/17/2025       | 14:43            | LB135063      |
|                                | Selenium | 20.0                  | +/-20.0             | U                | 20.0  | P               | 03/17/2025       | 14:43            | LB135063      |
|                                | Silver   | 10.0                  | +/-10.0             | U                | 10.0  | P               | 03/17/2025       | 14:43            | LB135063      |

**Metals**

- 3a -

**INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY**

| <b>Client:</b> G Environmental |                       | <b>SDG No.:</b> Q1574  |                       |              |      |   |                  |                  |               |
|--------------------------------|-----------------------|------------------------|-----------------------|--------------|------|---|------------------|------------------|---------------|
| <b>Contract:</b> GENV01        | <b>Lab Code:</b> CHEM | <b>Case No.:</b> Q1574 | <b>SAS No.:</b> Q1574 |              |      |   |                  |                  |               |
| Sample ID                      | Analyte               | Result<br>ug/L         | Acceptance<br>Limit   | Conc<br>Qual | CRQL | M | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
| CCB01                          | Arsenic               | 20.0                   | +/-20.0               | U            | 20.0 | P | 03/17/2025       | 15:27            | LB135063      |
|                                | Barium                | 100                    | +/-100                | U            | 100  | P | 03/17/2025       | 15:27            | LB135063      |
|                                | Cadmium               | 6.00                   | +/-6.00               | U            | 6.00 | P | 03/17/2025       | 15:27            | LB135063      |
|                                | Chromium              | 10.0                   | +/-10.0               | U            | 10.0 | P | 03/17/2025       | 15:27            | LB135063      |
|                                | Lead                  | 12.0                   | +/-12.0               | U            | 12.0 | P | 03/17/2025       | 15:27            | LB135063      |
|                                | Selenium              | 20.0                   | +/-20.0               | U            | 20.0 | P | 03/17/2025       | 15:27            | LB135063      |
|                                | Silver                | 10.0                   | +/-10.0               | U            | 10.0 | P | 03/17/2025       | 15:27            | LB135063      |
| CCB02                          | Arsenic               | 20.0                   | +/-20.0               | U            | 20.0 | P | 03/17/2025       | 16:17            | LB135063      |
|                                | Barium                | 100                    | +/-100                | U            | 100  | P | 03/17/2025       | 16:17            | LB135063      |
|                                | Cadmium               | 6.00                   | +/-6.00               | U            | 6.00 | P | 03/17/2025       | 16:17            | LB135063      |
|                                | Chromium              | 10.0                   | +/-10.0               | U            | 10.0 | P | 03/17/2025       | 16:17            | LB135063      |
|                                | Lead                  | 12.0                   | +/-12.0               | U            | 12.0 | P | 03/17/2025       | 16:17            | LB135063      |
|                                | Selenium              | 20.0                   | +/-20.0               | U            | 20.0 | P | 03/17/2025       | 16:17            | LB135063      |
|                                | Silver                | 10.0                   | +/-10.0               | U            | 10.0 | P | 03/17/2025       | 16:17            | LB135063      |
| CCB03                          | Arsenic               | 20.0                   | +/-20.0               | U            | 20.0 | P | 03/17/2025       | 17:09            | LB135063      |
|                                | Barium                | 100                    | +/-100                | U            | 100  | P | 03/17/2025       | 17:09            | LB135063      |
|                                | Cadmium               | 6.00                   | +/-6.00               | U            | 6.00 | P | 03/17/2025       | 17:09            | LB135063      |
|                                | Chromium              | 10.0                   | +/-10.0               | U            | 10.0 | P | 03/17/2025       | 17:09            | LB135063      |
|                                | Lead                  | 12.0                   | +/-12.0               | U            | 12.0 | P | 03/17/2025       | 17:09            | LB135063      |
|                                | Selenium              | 20.0                   | +/-20.0               | U            | 20.0 | P | 03/17/2025       | 17:09            | LB135063      |
|                                | Silver                | 10.0                   | +/-10.0               | U            | 10.0 | P | 03/17/2025       | 17:09            | LB135063      |
| CCB04                          | Arsenic               | 20.0                   | +/-20.0               | U            | 20.0 | P | 03/17/2025       | 17:55            | LB135063      |
|                                | Barium                | 100                    | +/-100                | U            | 100  | P | 03/17/2025       | 17:55            | LB135063      |
|                                | Cadmium               | 6.00                   | +/-6.00               | U            | 6.00 | P | 03/17/2025       | 17:55            | LB135063      |
|                                | Chromium              | 10.0                   | +/-10.0               | U            | 10.0 | P | 03/17/2025       | 17:55            | LB135063      |
|                                | Lead                  | 12.0                   | +/-12.0               | U            | 12.0 | P | 03/17/2025       | 17:55            | LB135063      |
|                                | Selenium              | 20.0                   | +/-20.0               | U            | 20.0 | P | 03/17/2025       | 17:55            | LB135063      |
|                                | Silver                | 10.0                   | +/-10.0               | U            | 10.0 | P | 03/17/2025       | 17:55            | LB135063      |
| CCB05                          | Arsenic               | 20.0                   | +/-20.0               | U            | 20.0 | P | 03/17/2025       | 18:22            | LB135063      |
|                                | Barium                | 100                    | +/-100                | U            | 100  | P | 03/17/2025       | 18:22            | LB135063      |
|                                | Cadmium               | 6.00                   | +/-6.00               | U            | 6.00 | P | 03/17/2025       | 18:22            | LB135063      |
|                                | Chromium              | 10.0                   | +/-10.0               | U            | 10.0 | P | 03/17/2025       | 18:22            | LB135063      |
|                                | Lead                  | 12.0                   | +/-12.0               | U            | 12.0 | P | 03/17/2025       | 18:22            | LB135063      |
|                                | Selenium              | 20.0                   | +/-20.0               | U            | 20.0 | P | 03/17/2025       | 18:22            | LB135063      |
|                                | Silver                | 10.0                   | +/-10.0               | U            | 10.0 | P | 03/17/2025       | 18:22            | LB135063      |



**Metals**

- 3a -

**INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY**

| <b>Client:</b> <u>G Environmental</u> |                              | <b>SDG No.:</b> <u>Q1574</u>  |                              |              |      |   |                  |                  |               |
|---------------------------------------|------------------------------|-------------------------------|------------------------------|--------------|------|---|------------------|------------------|---------------|
| <b>Contract:</b> <u>GENV01</u>        | <b>Lab Code:</b> <u>CHEM</u> | <b>Case No.:</b> <u>Q1574</u> | <b>SAS No.:</b> <u>Q1574</u> |              |      |   |                  |                  |               |
| Sample ID                             | Analyte                      | Result<br>ug/L                | Acceptance<br>Limit          | Conc<br>Qual | CRQL | M | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
| ICB01                                 | Arsenic                      | 20.0                          | +/-20.0                      | U            | 20.0 | P | 03/18/2025       | 10:45            | LB135083      |
|                                       | Barium                       | 100                           | +/-100                       | U            | 100  | P | 03/18/2025       | 10:45            | LB135083      |
|                                       | Cadmium                      | 6.00                          | +/-6.00                      | U            | 6.00 | P | 03/18/2025       | 10:45            | LB135083      |
|                                       | Chromium                     | 10.0                          | +/-10.0                      | U            | 10.0 | P | 03/18/2025       | 10:45            | LB135083      |
|                                       | Lead                         | 12.0                          | +/-12.0                      | U            | 12.0 | P | 03/18/2025       | 10:45            | LB135083      |
|                                       | Selenium                     | 20.0                          | +/-20.0                      | U            | 20.0 | P | 03/18/2025       | 10:45            | LB135083      |
|                                       | Silver                       | 10.0                          | +/-10.0                      | U            | 10.0 | P | 03/18/2025       | 10:45            | LB135083      |

**Metals**

- 3a -

**INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY**

| <b>Client:</b> G Environmental |                       | <b>SDG No.:</b> Q1574  |                       |              |      |   |                  |                  |               |
|--------------------------------|-----------------------|------------------------|-----------------------|--------------|------|---|------------------|------------------|---------------|
| <b>Contract:</b> GENV01        | <b>Lab Code:</b> CHEM | <b>Case No.:</b> Q1574 | <b>SAS No.:</b> Q1574 |              |      |   |                  |                  |               |
| Sample ID                      | Analyte               | Result<br>ug/L         | Acceptance<br>Limit   | Conc<br>Qual | CRQL | M | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
| CCB01                          | Arsenic               | 20.0                   | +/-20.0               | U            | 20.0 | P | 03/18/2025       | 11:13            | LB135083      |
|                                | Barium                | 100                    | +/-100                | U            | 100  | P | 03/18/2025       | 11:13            | LB135083      |
|                                | Cadmium               | 6.00                   | +/-6.00               | U            | 6.00 | P | 03/18/2025       | 11:13            | LB135083      |
|                                | Chromium              | 10.0                   | +/-10.0               | U            | 10.0 | P | 03/18/2025       | 11:13            | LB135083      |
|                                | Lead                  | 12.0                   | +/-12.0               | U            | 12.0 | P | 03/18/2025       | 11:13            | LB135083      |
|                                | Selenium              | 20.0                   | +/-20.0               | U            | 20.0 | P | 03/18/2025       | 11:13            | LB135083      |
|                                | Silver                | 10.0                   | +/-10.0               | U            | 10.0 | P | 03/18/2025       | 11:13            | LB135083      |
| CCB02                          | Arsenic               | 20.0                   | +/-20.0               | U            | 20.0 | P | 03/18/2025       | 12:17            | LB135083      |
|                                | Barium                | 100                    | +/-100                | U            | 100  | P | 03/18/2025       | 12:17            | LB135083      |
|                                | Cadmium               | 6.00                   | +/-6.00               | U            | 6.00 | P | 03/18/2025       | 12:17            | LB135083      |
|                                | Chromium              | 10.0                   | +/-10.0               | U            | 10.0 | P | 03/18/2025       | 12:17            | LB135083      |
|                                | Lead                  | 12.0                   | +/-12.0               | U            | 12.0 | P | 03/18/2025       | 12:17            | LB135083      |
|                                | Selenium              | 20.0                   | +/-20.0               | U            | 20.0 | P | 03/18/2025       | 12:17            | LB135083      |
|                                | Silver                | 10.0                   | +/-10.0               | U            | 10.0 | P | 03/18/2025       | 12:17            | LB135083      |
| CCB03                          | Arsenic               | 20.0                   | +/-20.0               | U            | 20.0 | P | 03/18/2025       | 13:13            | LB135083      |
|                                | Barium                | 100                    | +/-100                | U            | 100  | P | 03/18/2025       | 13:13            | LB135083      |
|                                | Cadmium               | 6.00                   | +/-6.00               | U            | 6.00 | P | 03/18/2025       | 13:13            | LB135083      |
|                                | Chromium              | 10.0                   | +/-10.0               | U            | 10.0 | P | 03/18/2025       | 13:13            | LB135083      |
|                                | Lead                  | 12.0                   | +/-12.0               | U            | 12.0 | P | 03/18/2025       | 13:13            | LB135083      |
|                                | Selenium              | 20.0                   | +/-20.0               | U            | 20.0 | P | 03/18/2025       | 13:13            | LB135083      |
|                                | Silver                | 10.0                   | +/-10.0               | U            | 10.0 | P | 03/18/2025       | 13:13            | LB135083      |
| CCB04                          | Arsenic               | 20.0                   | +/-20.0               | U            | 20.0 | P | 03/18/2025       | 14:20            | LB135083      |
|                                | Barium                | 100                    | +/-100                | U            | 100  | P | 03/18/2025       | 14:20            | LB135083      |
|                                | Cadmium               | 6.00                   | +/-6.00               | U            | 6.00 | P | 03/18/2025       | 14:20            | LB135083      |
|                                | Chromium              | 10.0                   | +/-10.0               | U            | 10.0 | P | 03/18/2025       | 14:20            | LB135083      |
|                                | Lead                  | 12.0                   | +/-12.0               | U            | 12.0 | P | 03/18/2025       | 14:20            | LB135083      |
|                                | Selenium              | 20.0                   | +/-20.0               | U            | 20.0 | P | 03/18/2025       | 14:20            | LB135083      |
|                                | Silver                | 10.0                   | +/-10.0               | U            | 10.0 | P | 03/18/2025       | 14:20            | LB135083      |
| CCB05                          | Arsenic               | 20.0                   | +/-20.0               | U            | 20.0 | P | 03/18/2025       | 14:53            | LB135083      |
|                                | Barium                | 100                    | +/-100                | U            | 100  | P | 03/18/2025       | 14:53            | LB135083      |
|                                | Cadmium               | 6.00                   | +/-6.00               | U            | 6.00 | P | 03/18/2025       | 14:53            | LB135083      |
|                                | Chromium              | 10.0                   | +/-10.0               | U            | 10.0 | P | 03/18/2025       | 14:53            | LB135083      |
|                                | Lead                  | 12.0                   | +/-12.0               | U            | 12.0 | P | 03/18/2025       | 14:53            | LB135083      |
|                                | Selenium              | 20.0                   | +/-20.0               | U            | 20.0 | P | 03/18/2025       | 14:53            | LB135083      |
|                                | Silver                | 10.0                   | +/-10.0               | U            | 10.0 | P | 03/18/2025       | 14:53            | LB135083      |

**Metals**  
**- 3b -**  
**PREPARATION BLANK SUMMARY**

**Client:** G Environmental

**SDG No.:** Q1574

**Instrument:** CV1

| Sample ID         | Analyte      | Result<br>(ug/L) | Acceptance<br>Limit | Conc<br>Qual         | CRQL<br>ug/L    | M  | Analysis<br>Date  | Analysis<br>Time  | Run      |
|-------------------|--------------|------------------|---------------------|----------------------|-----------------|----|-------------------|-------------------|----------|
| <b>PB167133TB</b> | <b>WATER</b> |                  |                     | <b>Batch Number:</b> | <b>PB167166</b> |    | <b>Prep Date:</b> | <b>03/17/2025</b> |          |
|                   | Mercury      | 2.00             | <2.00               | U                    | 2.00            | CV | 03/18/2025        | 10:48             | LB135064 |
| Sample ID         | Analyte      | Result<br>(ug/L) | Acceptance<br>Limit | Conc<br>Qual         | CRQL<br>ug/L    | M  | Analysis<br>Date  | Analysis<br>Time  | Run      |
| <b>PB167166BL</b> | <b>WATER</b> |                  |                     | <b>Batch Number:</b> | <b>PB167166</b> |    | <b>Prep Date:</b> | <b>03/17/2025</b> |          |
|                   | Mercury      | 0.20             | <0.20               | U                    | 0.20            | CV | 03/18/2025        | 10:16             | LB135064 |

**Metals**  
**- 3b -**  
**PREPARATION BLANK SUMMARY**

**Client:** G Environmental

**SDG No.:** Q1574

**Instrument:** P4

| Sample ID         | Analyte  | Result<br>(ug/L) | Acceptance<br>Limit | Conc<br>Qual         | CRQL<br>ug/L    | M | Analysis<br>Date  | Analysis<br>Time  | Run      |
|-------------------|----------|------------------|---------------------|----------------------|-----------------|---|-------------------|-------------------|----------|
| <b>PB167133TB</b> |          | <b>WATER</b>     |                     | <b>Batch Number:</b> | <b>PB167161</b> |   | <b>Prep Date:</b> | <b>03/17/2025</b> |          |
|                   | Arsenic  | 100              | <100                | U                    | 100             | P | 03/17/2025        | 16:56             | LB135063 |
|                   | Barium   | 500              | <500                | U                    | 500             | P | 03/17/2025        | 16:56             | LB135063 |
|                   | Cadmium  | 30.0             | <30.0               | U                    | 30.0            | P | 03/17/2025        | 16:56             | LB135063 |
|                   | Chromium | 50.0             | <50.0               | U                    | 50.0            | P | 03/17/2025        | 16:56             | LB135063 |
|                   | Lead     | 60.0             | <60.0               | U                    | 60.0            | P | 03/17/2025        | 16:56             | LB135063 |
|                   | Selenium | 100              | <100                | U                    | 100             | P | 03/17/2025        | 16:56             | LB135063 |
|                   | Silver   | 50.0             | <50.0               | U                    | 50.0            | P | 03/17/2025        | 16:56             | LB135063 |
| Sample ID         | Analyte  | Result<br>(ug/L) | Acceptance<br>Limit | Conc<br>Qual         | CRQL<br>ug/L    | M | Analysis<br>Date  | Analysis<br>Time  | Run      |
| <b>PB167161BL</b> |          | <b>WATER</b>     |                     | <b>Batch Number:</b> | <b>PB167161</b> |   | <b>Prep Date:</b> | <b>03/17/2025</b> |          |
|                   | Arsenic  | 100              | <100                | U                    | 100             | P | 03/17/2025        | 17:00             | LB135063 |
|                   | Barium   | 500              | <500                | U                    | 500             | P | 03/17/2025        | 17:00             | LB135063 |
|                   | Cadmium  | 30.0             | <30.0               | U                    | 30.0            | P | 03/17/2025        | 17:00             | LB135063 |
|                   | Chromium | 50.0             | <50.0               | U                    | 50.0            | P | 03/17/2025        | 17:00             | LB135063 |
|                   | Lead     | 60.0             | <60.0               | U                    | 60.0            | P | 03/17/2025        | 17:00             | LB135063 |
|                   | Selenium | 100              | <100                | U                    | 100             | P | 03/17/2025        | 17:00             | LB135063 |
|                   | Silver   | 50.0             | <50.0               | U                    | 50.0            | P | 03/17/2025        | 17:00             | LB135063 |



# METAL CALIBRATION DATA

**Metals**

- 2a -

**INITIAL AND CONTINUING CALIBRATION VERIFICATION**

**Client:** G Environmental **SDG No.:** Q1574  
**Contract:** GENV01 **Lab Code:** CHEM **Case No.:** Q1574 **SAS No.:** Q1574  
**Initial Calibration Source:** EPA  
**Continuing Calibration Source:** PLASMA-PURE

| Sample ID | Analyte | Result<br>ug/L | True Value | %<br>Recovery | Acceptance<br>Window (%R) | M  | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
|-----------|---------|----------------|------------|---------------|---------------------------|----|------------------|------------------|---------------|
| ICV46     | Mercury | 3.94           | 4.0        | 99            | 90 - 110                  | CV | 03/18/2025       | 09:55            | LB135064      |

**Metals**

- 2a -

**INITIAL AND CONTINUING CALIBRATION VERIFICATION**

**Client:** G Environmental **SDG No.:** Q1574  
**Contract:** GENV01 **Lab Code:** CHEM **Case No.:** Q1574 **SAS No.:** Q1574  
**Initial Calibration Source:** EPA  
**Continuing Calibration Source:** PLASMA-PURE

| Sample ID | Analyte | Result<br>ug/L | True Value | %<br>Recovery | Acceptance<br>Window (%R) | M  | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
|-----------|---------|----------------|------------|---------------|---------------------------|----|------------------|------------------|---------------|
| CCV20     | Mercury | 5.37           | 5.0        | 107           | 90 - 110                  | CV | 03/18/2025       | 09:59            | LB135064      |
| CCV21     | Mercury | 4.87           | 5.0        | 97            | 90 - 110                  | CV | 03/18/2025       | 10:35            | LB135064      |
| CCV22     | Mercury | 5.12           | 5.0        | 102           | 90 - 110                  | CV | 03/18/2025       | 10:54            | LB135064      |

**Metals**

- 2a -

**INITIAL AND CONTINUING CALIBRATION VERIFICATION**

**Client:** G Environmental **SDG No.:** Q1574  
**Contract:** GENV01 **Lab Code:** CHEM **Case No.:** Q1574 **SAS No.:** Q1574  
**Initial Calibration Source:** EPA  
**Continuing Calibration Source:** Inorganic Ventures

| Sample ID | Analyte  | Result<br>ug/L | True Value | %<br>Recovery | Acceptance<br>Window (%R) | M | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
|-----------|----------|----------------|------------|---------------|---------------------------|---|------------------|------------------|---------------|
| ICV01     | Arsenic  | 1020           | 1000       | 102           | 90 - 110                  | P | 03/17/2025       | 14:31            | LB135063      |
|           | Barium   | 533            | 520        | 102           | 90 - 110                  | P | 03/17/2025       | 14:31            | LB135063      |
|           | Cadmium  | 504            | 510        | 99            | 90 - 110                  | P | 03/17/2025       | 14:31            | LB135063      |
|           | Chromium | 529            | 520        | 102           | 90 - 110                  | P | 03/17/2025       | 14:31            | LB135063      |
|           | Lead     | 996            | 1000       | 100           | 90 - 110                  | P | 03/17/2025       | 14:31            | LB135063      |
|           | Selenium | 1050           | 1000       | 105           | 90 - 110                  | P | 03/17/2025       | 14:31            | LB135063      |
|           | Silver   | 257            | 250        | 103           | 90 - 110                  | P | 03/17/2025       | 14:31            | LB135063      |



**Metals**

- 2a -

**INITIAL AND CONTINUING CALIBRATION VERIFICATION**

**Client:** G Environmental **SDG No.:** Q1574  
**Contract:** GENV01 **Lab Code:** CHEM **Case No.:** Q1574 **SAS No.:** Q1574  
**Initial Calibration Source:** EPA  
**Continuing Calibration Source:** Inorganic Ventures

| Sample ID | Analyte  | Result<br>ug/L | True Value | %<br>Recovery | Acceptance<br>Window (%R) | M | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
|-----------|----------|----------------|------------|---------------|---------------------------|---|------------------|------------------|---------------|
| LLICV01   | Arsenic  | 19.4           | 20.0       | 97            | 80 - 120                  | P | 03/17/2025       | 14:38            | LB135063      |
|           | Barium   | 93.6           | 100        | 94            | 80 - 120                  | P | 03/17/2025       | 14:38            | LB135063      |
|           | Cadmium  | 5.89           | 6.0        | 98            | 80 - 120                  | P | 03/17/2025       | 14:38            | LB135063      |
|           | Chromium | 10.3           | 10.0       | 103           | 80 - 120                  | P | 03/17/2025       | 14:38            | LB135063      |
|           | Lead     | 12.3           | 12.0       | 103           | 80 - 120                  | P | 03/17/2025       | 14:38            | LB135063      |
|           | Selenium | 18.2           | 20.0       | 91            | 80 - 120                  | P | 03/17/2025       | 14:38            | LB135063      |
|           | Silver   | 10.5           | 10.0       | 105           | 80 - 120                  | P | 03/17/2025       | 14:38            | LB135063      |

## Metals

- 2a -

### INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: G Environmental SDG No.: Q1574  
 Contract: GENV01 Lab Code: CHEM Case No.: Q1574 SAS No.: Q1574  
 Initial Calibration Source: EPA  
 Continuing Calibration Source: Inorganic Ventures

| Sample ID | Analyte  | Result<br>ug/L | True Value | %<br>Recovery | Acceptance<br>Window (%R) | M | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
|-----------|----------|----------------|------------|---------------|---------------------------|---|------------------|------------------|---------------|
| CCV01     | Arsenic  | 5160           | 5000       | 103           | 90 - 110                  | P | 03/17/2025       | 15:15            | LB135063      |
|           | Barium   | 9740           | 10000      | 97            | 90 - 110                  | P | 03/17/2025       | 15:15            | LB135063      |
|           | Cadmium  | 2510           | 2500       | 100           | 90 - 110                  | P | 03/17/2025       | 15:15            | LB135063      |
|           | Chromium | 1030           | 1000       | 103           | 90 - 110                  | P | 03/17/2025       | 15:15            | LB135063      |
|           | Lead     | 5080           | 5000       | 102           | 90 - 110                  | P | 03/17/2025       | 15:15            | LB135063      |
|           | Selenium | 5080           | 5000       | 102           | 90 - 110                  | P | 03/17/2025       | 15:15            | LB135063      |
|           | Silver   | 1310           | 1250       | 104           | 90 - 110                  | P | 03/17/2025       | 15:15            | LB135063      |
| CCV02     | Arsenic  | 5220           | 5000       | 104           | 90 - 110                  | P | 03/17/2025       | 16:13            | LB135063      |
|           | Barium   | 9760           | 10000      | 98            | 90 - 110                  | P | 03/17/2025       | 16:13            | LB135063      |
|           | Cadmium  | 2500           | 2500       | 100           | 90 - 110                  | P | 03/17/2025       | 16:13            | LB135063      |
|           | Chromium | 1040           | 1000       | 104           | 90 - 110                  | P | 03/17/2025       | 16:13            | LB135063      |
|           | Lead     | 5070           | 5000       | 101           | 90 - 110                  | P | 03/17/2025       | 16:13            | LB135063      |
|           | Selenium | 5140           | 5000       | 103           | 90 - 110                  | P | 03/17/2025       | 16:13            | LB135063      |
|           | Silver   | 1290           | 1250       | 103           | 90 - 110                  | P | 03/17/2025       | 16:13            | LB135063      |
| CCV03     | Arsenic  | 5320           | 5000       | 106           | 90 - 110                  | P | 03/17/2025       | 17:05            | LB135063      |
|           | Barium   | 9780           | 10000      | 98            | 90 - 110                  | P | 03/17/2025       | 17:05            | LB135063      |
|           | Cadmium  | 2570           | 2500       | 103           | 90 - 110                  | P | 03/17/2025       | 17:05            | LB135063      |
|           | Chromium | 1090           | 1000       | 109           | 90 - 110                  | P | 03/17/2025       | 17:05            | LB135063      |
|           | Lead     | 5200           | 5000       | 104           | 90 - 110                  | P | 03/17/2025       | 17:05            | LB135063      |
|           | Selenium | 5220           | 5000       | 104           | 90 - 110                  | P | 03/17/2025       | 17:05            | LB135063      |
|           | Silver   | 1330           | 1250       | 106           | 90 - 110                  | P | 03/17/2025       | 17:05            | LB135063      |
| CCV04     | Arsenic  | 5020           | 5000       | 100           | 90 - 110                  | P | 03/17/2025       | 17:51            | LB135063      |
|           | Barium   | 9270           | 10000      | 93            | 90 - 110                  | P | 03/17/2025       | 17:51            | LB135063      |
|           | Cadmium  | 2390           | 2500       | 96            | 90 - 110                  | P | 03/17/2025       | 17:51            | LB135063      |
|           | Chromium | 1010           | 1000       | 101           | 90 - 110                  | P | 03/17/2025       | 17:51            | LB135063      |
|           | Lead     | 4870           | 5000       | 97            | 90 - 110                  | P | 03/17/2025       | 17:51            | LB135063      |
|           | Selenium | 4900           | 5000       | 98            | 90 - 110                  | P | 03/17/2025       | 17:51            | LB135063      |
|           | Silver   | 1240           | 1250       | 100           | 90 - 110                  | P | 03/17/2025       | 17:51            | LB135063      |
| CCV05     | Arsenic  | 5050           | 5000       | 101           | 90 - 110                  | P | 03/17/2025       | 18:18            | LB135063      |
|           | Barium   | 9500           | 10000      | 95            | 90 - 110                  | P | 03/17/2025       | 18:18            | LB135063      |
|           | Cadmium  | 2390           | 2500       | 96            | 90 - 110                  | P | 03/17/2025       | 18:18            | LB135063      |
|           | Chromium | 1020           | 1000       | 102           | 90 - 110                  | P | 03/17/2025       | 18:18            | LB135063      |
|           | Lead     | 4870           | 5000       | 97            | 90 - 110                  | P | 03/17/2025       | 18:18            | LB135063      |
|           | Selenium | 4960           | 5000       | 99            | 90 - 110                  | P | 03/17/2025       | 18:18            | LB135063      |

**Metals**

- 2a -

**INITIAL AND CONTINUING CALIBRATION VERIFICATION**

**Client:** G Environmental **SDG No.:** Q1574  
**Contract:** GENV01 **Lab Code:** CHEM **Case No.:** Q1574 **SAS No.:** Q1574  
**Initial Calibration Source:** EPA  
**Continuing Calibration Source:** Inorganic Ventures

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| Sample ID | Analyte | Result<br>ug/L | True Value | %<br>Recovery | Acceptance<br>Window (%R) | M | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
|-----------|---------|----------------|------------|---------------|---------------------------|---|------------------|------------------|---------------|
| CCV05     | Silver  | 1260           | 1250       | 101           | 90 - 110                  | P | 03/17/2025       | 18:18            | LB135063      |

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**Metals**

- 2a -

**INITIAL AND CONTINUING CALIBRATION VERIFICATION**

**Client:** G Environmental **SDG No.:** Q1574  
**Contract:** GENV01 **Lab Code:** CHEM **Case No.:** Q1574 **SAS No.:** Q1574  
**Initial Calibration Source:** EPA  
**Continuing Calibration Source:** Inorganic Ventures

| Sample ID | Analyte  | Result<br>ug/L | True Value | %<br>Recovery | Acceptance<br>Window (%R) | M | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
|-----------|----------|----------------|------------|---------------|---------------------------|---|------------------|------------------|---------------|
| ICV01     | Arsenic  | 1020           | 1000       | 102           | 90 - 110                  | P | 03/18/2025       | 10:36            | LB135083      |
|           | Barium   | 540            | 520        | 104           | 90 - 110                  | P | 03/18/2025       | 10:36            | LB135083      |
|           | Cadmium  | 510            | 510        | 100           | 90 - 110                  | P | 03/18/2025       | 10:36            | LB135083      |
|           | Chromium | 537            | 520        | 103           | 90 - 110                  | P | 03/18/2025       | 10:36            | LB135083      |
|           | Lead     | 1010           | 1000       | 101           | 90 - 110                  | P | 03/18/2025       | 10:36            | LB135083      |
|           | Selenium | 1050           | 1000       | 105           | 90 - 110                  | P | 03/18/2025       | 10:36            | LB135083      |
|           | Silver   | 260            | 250        | 104           | 90 - 110                  | P | 03/18/2025       | 10:36            | LB135083      |

**Metals**

- 2a -

**INITIAL AND CONTINUING CALIBRATION VERIFICATION**

**Client:** G Environmental **SDG No.:** Q1574  
**Contract:** GENV01 **Lab Code:** CHEM **Case No.:** Q1574 **SAS No.:** Q1574  
**Initial Calibration Source:** EPA  
**Continuing Calibration Source:** Inorganic Ventures

| Sample ID | Analyte  | Result<br>ug/L | True Value | %<br>Recovery | Acceptance<br>Window (%R) | M | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
|-----------|----------|----------------|------------|---------------|---------------------------|---|------------------|------------------|---------------|
| LLICV01   | Arsenic  | 21.9           | 20.0       | 110           | 80 - 120                  | P | 03/18/2025       | 10:41            | LB135083      |
|           | Barium   | 95.4           | 100        | 95            | 80 - 120                  | P | 03/18/2025       | 10:41            | LB135083      |
|           | Cadmium  | 5.91           | 6.0        | 98            | 80 - 120                  | P | 03/18/2025       | 10:41            | LB135083      |
|           | Chromium | 10.9           | 10.0       | 109           | 80 - 120                  | P | 03/18/2025       | 10:41            | LB135083      |
|           | Lead     | 10.9           | 12.0       | 91            | 80 - 120                  | P | 03/18/2025       | 10:41            | LB135083      |
|           | Selenium | 18.4           | 20.0       | 92            | 80 - 120                  | P | 03/18/2025       | 10:41            | LB135083      |
|           | Silver   | 10.1           | 10.0       | 101           | 80 - 120                  | P | 03/18/2025       | 10:41            | LB135083      |

# Metals

- 2a -

## INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: G Environmental SDG No.: Q1574  
 Contract: GENV01 Lab Code: CHEM Case No.: Q1574 SAS No.: Q1574  
 Initial Calibration Source: EPA  
 Continuing Calibration Source: Inorganic Ventures

| Sample ID | Analyte  | Result<br>ug/L | True Value | %<br>Recovery | Acceptance<br>Window (%R) | M | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
|-----------|----------|----------------|------------|---------------|---------------------------|---|------------------|------------------|---------------|
| CCV01     | Arsenic  | 5040           | 5000       | 101           | 90 - 110                  | P | 03/18/2025       | 11:09            | LB135083      |
|           | Barium   | 9530           | 10000      | 95            | 90 - 110                  | P | 03/18/2025       | 11:09            | LB135083      |
|           | Cadmium  | 2470           | 2500       | 99            | 90 - 110                  | P | 03/18/2025       | 11:09            | LB135083      |
|           | Chromium | 1020           | 1000       | 102           | 90 - 110                  | P | 03/18/2025       | 11:09            | LB135083      |
|           | Lead     | 4990           | 5000       | 100           | 90 - 110                  | P | 03/18/2025       | 11:09            | LB135083      |
|           | Selenium | 5040           | 5000       | 101           | 90 - 110                  | P | 03/18/2025       | 11:09            | LB135083      |
|           | Silver   | 1260           | 1250       | 101           | 90 - 110                  | P | 03/18/2025       | 11:09            | LB135083      |
| CCV02     | Arsenic  | 4890           | 5000       | 98            | 90 - 110                  | P | 03/18/2025       | 12:08            | LB135083      |
|           | Barium   | 9170           | 10000      | 92            | 90 - 110                  | P | 03/18/2025       | 12:08            | LB135083      |
|           | Cadmium  | 2410           | 2500       | 96            | 90 - 110                  | P | 03/18/2025       | 12:08            | LB135083      |
|           | Chromium | 1020           | 1000       | 102           | 90 - 110                  | P | 03/18/2025       | 12:08            | LB135083      |
|           | Lead     | 4880           | 5000       | 98            | 90 - 110                  | P | 03/18/2025       | 12:08            | LB135083      |
|           | Selenium | 4860           | 5000       | 97            | 90 - 110                  | P | 03/18/2025       | 12:08            | LB135083      |
|           | Silver   | 1240           | 1250       | 99            | 90 - 110                  | P | 03/18/2025       | 12:08            | LB135083      |
| CCV03     | Arsenic  | 4920           | 5000       | 98            | 90 - 110                  | P | 03/18/2025       | 13:07            | LB135083      |
|           | Barium   | 9800           | 10000      | 98            | 90 - 110                  | P | 03/18/2025       | 13:07            | LB135083      |
|           | Cadmium  | 2400           | 2500       | 96            | 90 - 110                  | P | 03/18/2025       | 13:07            | LB135083      |
|           | Chromium | 1020           | 1000       | 102           | 90 - 110                  | P | 03/18/2025       | 13:07            | LB135083      |
|           | Lead     | 4850           | 5000       | 97            | 90 - 110                  | P | 03/18/2025       | 13:07            | LB135083      |
|           | Selenium | 4910           | 5000       | 98            | 90 - 110                  | P | 03/18/2025       | 13:07            | LB135083      |
|           | Silver   | 1240           | 1250       | 99            | 90 - 110                  | P | 03/18/2025       | 13:07            | LB135083      |
| CCV04     | Arsenic  | 4770           | 5000       | 95            | 90 - 110                  | P | 03/18/2025       | 14:07            | LB135083      |
|           | Barium   | 9510           | 10000      | 95            | 90 - 110                  | P | 03/18/2025       | 14:07            | LB135083      |
|           | Cadmium  | 2310           | 2500       | 92            | 90 - 110                  | P | 03/18/2025       | 14:07            | LB135083      |
|           | Chromium | 981            | 1000       | 98            | 90 - 110                  | P | 03/18/2025       | 14:07            | LB135083      |
|           | Lead     | 4660           | 5000       | 93            | 90 - 110                  | P | 03/18/2025       | 14:07            | LB135083      |
|           | Selenium | 4760           | 5000       | 95            | 90 - 110                  | P | 03/18/2025       | 14:07            | LB135083      |
|           | Silver   | 1190           | 1250       | 95            | 90 - 110                  | P | 03/18/2025       | 14:07            | LB135083      |
| CCV05     | Arsenic  | 4920           | 5000       | 98            | 90 - 110                  | P | 03/18/2025       | 14:49            | LB135083      |
|           | Barium   | 10800          | 10000      | 108           | 90 - 110                  | P | 03/18/2025       | 14:49            | LB135083      |
|           | Cadmium  | 2370           | 2500       | 95            | 90 - 110                  | P | 03/18/2025       | 14:49            | LB135083      |
|           | Chromium | 1000           | 1000       | 100           | 90 - 110                  | P | 03/18/2025       | 14:49            | LB135083      |
|           | Lead     | 4790           | 5000       | 96            | 90 - 110                  | P | 03/18/2025       | 14:49            | LB135083      |
|           | Selenium | 4900           | 5000       | 98            | 90 - 110                  | P | 03/18/2025       | 14:49            | LB135083      |

**Metals**

- 2a -

**INITIAL AND CONTINUING CALIBRATION VERIFICATION**

**Client:** G Environmental **SDG No.:** Q1574  
**Contract:** GENV01 **Lab Code:** CHEM **Case No.:** Q1574 **SAS No.:** Q1574  
**Initial Calibration Source:** EPA  
**Continuing Calibration Source:** Inorganic Ventures

| Sample ID | Analyte | Result<br>ug/L | True Value | %<br>Recovery | Acceptance<br>Window (%R) | M | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
|-----------|---------|----------------|------------|---------------|---------------------------|---|------------------|------------------|---------------|
| CCV05     | Silver  | 1230           | 1250       | 99            | 90 - 110                  | P | 03/18/2025       | 14:49            | LB135083      |



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

**Metals**

**- 2b -**

**CRDL STANDARD FOR AA & ICP**

**Client:** G Environmental **SDG No.:** Q1574  
**Contract:** GENV01 **Lab Code:** CHEM **Case No.:** Q1574 **SAS No.:** Q1574  
**Initial Calibration Source:** \_\_\_\_\_  
**Continuing Calibration Source:** \_\_\_\_\_

| Sample ID    | Analyte  | Result<br>ug/L | True Value<br>ug/L | %<br>Recovery | Acceptance<br>Window (%R) | M  | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
|--------------|----------|----------------|--------------------|---------------|---------------------------|----|------------------|------------------|---------------|
| <b>CRI01</b> | Arsenic  | 19.6           | 20.0               | 98            | 40 - 160                  | P  | 03/17/2025       | 14:47            | LB135063      |
|              | Barium   | 92.8           | 100                | 93            | 40 - 160                  | P  | 03/17/2025       | 14:47            | LB135063      |
|              | Cadmium  | 5.88           | 6.0                | 98            | 40 - 160                  | P  | 03/17/2025       | 14:47            | LB135063      |
|              | Chromium | 10.3           | 10.0               | 103           | 40 - 160                  | P  | 03/17/2025       | 14:47            | LB135063      |
|              | Lead     | 12.6           | 12.0               | 105           | 40 - 160                  | P  | 03/17/2025       | 14:47            | LB135063      |
|              | Selenium | 18.9           | 20.0               | 94            | 40 - 160                  | P  | 03/17/2025       | 14:47            | LB135063      |
|              | Silver   | 10.3           | 10.0               | 103           | 40 - 160                  | P  | 03/17/2025       | 14:47            | LB135063      |
| <b>CRA</b>   | Mercury  | 0.16           | 0.2                | 81            | 40 - 160                  | CV | 03/18/2025       | 10:06            | LB135064      |
| <b>CRI01</b> | Arsenic  | 22.6           | 20.0               | 113           | 40 - 160                  | P  | 03/18/2025       | 10:49            | LB135083      |
|              | Barium   | 94.4           | 100                | 94            | 40 - 160                  | P  | 03/18/2025       | 10:49            | LB135083      |
|              | Cadmium  | 5.91           | 6.0                | 98            | 40 - 160                  | P  | 03/18/2025       | 10:49            | LB135083      |
|              | Chromium | 10.8           | 10.0               | 108           | 40 - 160                  | P  | 03/18/2025       | 10:49            | LB135083      |
|              | Lead     | 11.3           | 12.0               | 94            | 40 - 160                  | P  | 03/18/2025       | 10:49            | LB135083      |
|              | Selenium | 16.6           | 20.0               | 83            | 40 - 160                  | P  | 03/18/2025       | 10:49            | LB135083      |
|              | Silver   | 10.7           | 10.0               | 107           | 40 - 160                  | P  | 03/18/2025       | 10:49            | LB135083      |



**Metals**  
- 4 -  
**INTERFERENCE CHECK SAMPLE**

**Client:** G Environmental **SDG No.:** Q1574  
**Contract:** GENV01 **Lab Code:** CHEM **Case No.:** Q1574 **SAS No.:** Q1574  
**ICS Source:** EPA **Instrument ID:** P4

| Sample ID | Analyte  | Result<br>ug/L | True Value<br>ug/L | %<br>Recovery | Low<br>Limit<br>(ug/L) | High<br>Limit<br>(ug/L) | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
|-----------|----------|----------------|--------------------|---------------|------------------------|-------------------------|------------------|------------------|---------------|
| ICSA01    | Arsenic  | 4.68           |                    |               | -20                    | 20                      | 03/17/2025       | 14:51            | LB135063      |
|           | Barium   | 3.10           | 6.0                | 52            | -94                    | 106                     | 03/17/2025       | 14:51            | LB135063      |
|           | Cadmium  | -4.02          | 1.0                | 402           | -5                     | 7                       | 03/17/2025       | 14:51            | LB135063      |
|           | Chromium | 60.2           | 52.0               | 116           | 42                     | 62                      | 03/17/2025       | 14:51            | LB135063      |
|           | Lead     | 7.22           |                    |               | -12                    | 12                      | 03/17/2025       | 14:51            | LB135063      |
|           | Selenium | -0.91          |                    |               | -20                    | 20                      | 03/17/2025       | 14:51            | LB135063      |
|           | Silver   | -2.37          |                    |               | -10                    | 10                      | 03/17/2025       | 14:51            | LB135063      |
| ICSAB01   | Arsenic  | 95.9           | 104                | 92            | 88.4                   | 120                     | 03/17/2025       | 15:02            | LB135063      |
|           | Barium   | 491            | 537                | 91            | 437                    | 637                     | 03/17/2025       | 15:02            | LB135063      |
|           | Cadmium  | 1030           | 972                | 106           | 826                    | 1120                    | 03/17/2025       | 15:02            | LB135063      |
|           | Chromium | 588            | 542                | 108           | 460                    | 624                     | 03/17/2025       | 15:02            | LB135063      |
|           | Lead     | 58.7           | 49.0               | 120           | 37                     | 61                      | 03/17/2025       | 15:02            | LB135063      |
|           | Selenium | 57.1           | 46.0               | 124           | 26                     | 66                      | 03/17/2025       | 15:02            | LB135063      |
|           | Silver   | 224            | 201                | 111           | 170                    | 232                     | 03/17/2025       | 15:02            | LB135063      |
| ICSA01    | Arsenic  | 3.99           |                    |               | -20                    | 20                      | 03/18/2025       | 10:54            | LB135083      |
|           | Barium   | 5.93           | 6.0                | 99            | -94                    | 106                     | 03/18/2025       | 10:54            | LB135083      |
|           | Cadmium  | -4.36          | 1.0                | 436           | -5                     | 7                       | 03/18/2025       | 10:54            | LB135083      |
|           | Chromium | 60.3           | 52.0               | 116           | 42                     | 62                      | 03/18/2025       | 10:54            | LB135083      |
|           | Lead     | 5.17           |                    |               | -12                    | 12                      | 03/18/2025       | 10:54            | LB135083      |
|           | Selenium | -12.3          |                    |               | -20                    | 20                      | 03/18/2025       | 10:54            | LB135083      |
|           | Silver   | -0.69          |                    |               | -10                    | 10                      | 03/18/2025       | 10:54            | LB135083      |
| ICSAB01   | Arsenic  | 106            | 104                | 102           | 88.4                   | 120                     | 03/18/2025       | 11:04            | LB135083      |
|           | Barium   | 452            | 537                | 84            | 437                    | 637                     | 03/18/2025       | 11:04            | LB135083      |
|           | Cadmium  | 955            | 972                | 98            | 826                    | 1120                    | 03/18/2025       | 11:04            | LB135083      |
|           | Chromium | 555            | 542                | 102           | 460                    | 624                     | 03/18/2025       | 11:04            | LB135083      |
|           | Lead     | 51.9           | 49.0               | 106           | 37                     | 61                      | 03/18/2025       | 11:04            | LB135083      |
|           | Selenium | 34.2           | 46.0               | 74            | 26                     | 66                      | 03/18/2025       | 11:04            | LB135083      |
|           | Silver   | 211            | 201                | 105           | 170                    | 232                     | 03/18/2025       | 11:04            | LB135083      |



# METAL QC DATA

**metals**  
**- 5a -**  
**MATRIX SPIKE SUMMARY**

|                                             |                                     |                                                            |
|---------------------------------------------|-------------------------------------|------------------------------------------------------------|
| <b>client:</b> <u>G Environmental</u>       | <b>level:</b> <u>low</u>            | <b>sdg no.:</b> <u>Q1574</u>                               |
| <b>contract:</b> <u>GENV01</u>              | <b>lab code:</b> <u>CHEM</u>        | <b>case no.:</b> <u>Q1574</u> <b>sas no.:</b> <u>Q1574</u> |
| <b>matrix:</b> <u>Water</u>                 | <b>sample id:</b> <u>Q1568-04</u>   | <b>client id:</b> <u>JC-03-03132025MS</u>                  |
| <b>Percent Solids for Sample:</b> <u>NA</u> | <b>Spiked ID:</b> <u>Q1568-04MS</u> | <b>Percent Solids for Spike Sample:</b> <u>NA</u>          |

| Analyte  | Units | Acceptance<br>Limit %R | Spiked<br>Result | C | Sample<br>Result | C | Spike<br>Added | %<br>Recovery | Qual | M  |
|----------|-------|------------------------|------------------|---|------------------|---|----------------|---------------|------|----|
| Arsenic  | ug/L  | 75 - 125               | 4220             |   | 100              | U | 4000           | 106           |      | P  |
| Barium   | ug/L  | 75 - 125               | 2690             |   | 1710             |   | 1000           | 98            |      | P  |
| Cadmium  | ug/L  | 75 - 125               | 1000             |   | 2.07             | J | 1000           | 100           |      | P  |
| Chromium | ug/L  | 75 - 125               | 2130             |   | 50.0             | U | 2000           | 106           |      | P  |
| Lead     | ug/L  | 75 - 125               | 4920             |   | 70.8             |   | 5000           | 97            |      | P  |
| Mercury  | ug/L  | 82 - 119               | 39.4             |   | 2.00             | U | 40.0           | 98            |      | CV |
| Selenium | ug/L  | 75 - 125               | 10200            |   | 100              | U | 10000          | 102           |      | P  |
| Silver   | ug/L  | 75 - 125               | 396              |   | 50.0             | U | 380            | 104           |      | P  |

**metals**  
**- 5a -**  
**MATRIX SPIKE DUPLICATE SUMMARY**

|                                             |                                      |                                                            |
|---------------------------------------------|--------------------------------------|------------------------------------------------------------|
| <b>client:</b> <u>G Environmental</u>       | <b>level:</b> <u>low</u>             | <b>sdg no.:</b> <u>Q1574</u>                               |
| <b>contract:</b> <u>GENV01</u>              | <b>lab code:</b> <u>CHEM</u>         | <b>case no.:</b> <u>Q1574</u> <b>sas no.:</b> <u>Q1574</u> |
| <b>matrix:</b> <u>Water</u>                 | <b>sample id:</b> <u>Q1568-04</u>    | <b>client id:</b> <u>JC-03-03132025MSD</u>                 |
| <b>Percent Solids for Sample:</b> <u>NA</u> | <b>Spiked ID:</b> <u>Q1568-04MSD</u> | <b>Percent Solids for Spike Sample:</b> <u>NA</u>          |

| Analyte  | Units | Acceptance<br>Limit %R | MSD<br>Result | C | Sample<br>Result | C | Spike<br>Added | %<br>Recovery | Qual | M  |
|----------|-------|------------------------|---------------|---|------------------|---|----------------|---------------|------|----|
| Arsenic  | ug/L  | 75 - 125               | 4250          |   | 100              | U | 4000           | 106           |      | P  |
| Barium   | ug/L  | 75 - 125               | 2680          |   | 1710             |   | 1000           | 97            |      | P  |
| Cadmium  | ug/L  | 75 - 125               | 1010          |   | 2.07             | J | 1000           | 101           |      | P  |
| Chromium | ug/L  | 75 - 125               | 2150          |   | 50.0             | U | 2000           | 108           |      | P  |
| Lead     | ug/L  | 75 - 125               | 4950          |   | 70.8             |   | 5000           | 98            |      | P  |
| Mercury  | ug/L  | 82 - 119               | 38.9          |   | 2.00             | U | 40.0           | 97            |      | CV |
| Selenium | ug/L  | 75 - 125               | 10300         |   | 100              | U | 10000          | 103           |      | P  |
| Silver   | ug/L  | 75 - 125               | 400           |   | 50.0             | U | 380            | 105           |      | P  |

**Metals**  
**- 5b -**

**Client:** G Environmental **SDG No.:** Q1574  
**Contract:** GENV01 **Lab Code:** CHEM **Case No.:** Q1574 **SAS No.:** Q1574  
**Matrix:**                      **Level:** LOW **Client ID:**                                       
**Sample ID:**                                      **Spiked ID:**                                     

| Analyte | Units | Acceptance<br>Limit %R | C | Sample<br>Result | C | Spike<br>Added | %<br>Recovery | Qual | M |
|---------|-------|------------------------|---|------------------|---|----------------|---------------|------|---|
|---------|-------|------------------------|---|------------------|---|----------------|---------------|------|---|

.....

A  
B  
C  
D  
E  
F  
G  
H  
I  
J

**Metals**

- 6 -

**DUPLICATE SAMPLE SUMMARY**

**Client:** G Environmental **Level:** LOW **SDG No.:** Q1574  
**Contract:** GENV01 **Lab Code:** CHEM **Case No.:** Q1574 **SAS No.:** Q1574  
**Matrix:** Water **Sample ID:** Q1568-04 **Client ID:** JC-03-03132025DUP  
**Percent Solids for Sample:** NA **Duplicate ID** Q1568-04DUP **Percent Solids for Spike Sample:** NA

| Analyte  | Units | Acceptance Limit | Sample Result | C | Duplicate Result | C | RPD | Qual | M  |
|----------|-------|------------------|---------------|---|------------------|---|-----|------|----|
| Arsenic  | ug/L  | 20               | 100           | U | 100              | U |     |      | P  |
| Barium   | ug/L  | 20               | 1710          |   | 1720             |   | 1   |      | P  |
| Cadmium  | ug/L  | 20               | 2.07          | J | 2.25             | J | 8   |      | P  |
| Chromium | ug/L  | 20               | 50.0          | U | 50.0             | U |     |      | P  |
| Lead     | ug/L  | 20               | 70.8          |   | 66.6             |   | 6   |      | P  |
| Mercury  | ug/L  | 20               | 2.00          | U | 2.00             | U |     |      | CV |
| Selenium | ug/L  | 20               | 100           | U | 100              | U |     |      | P  |
| Silver   | ug/L  | 20               | 50.0          | U | 50.0             | U |     |      | P  |

**Metals**

- 6 -

**DUPLICATE SAMPLE SUMMARY**

**Client:** G Environmental **Level:** LOW **SDG No.:** Q1574  
**Contract:** GENV01 **Lab Code:** CHEM **Case No.:** Q1574 **SAS No.:** Q1574  
**Matrix:** Water **Sample ID:** Q1568-04MS **Client ID:** JC-03-03132025MSD  
**Percent Solids for Sample:** NA **Duplicate ID** Q1568-04MSD **Percent Solids for Spike Sample:** NA

| Analyte  | Units | Acceptance Limit | Sample Result | C | Duplicate Result | C | RPD | Qual | M  |
|----------|-------|------------------|---------------|---|------------------|---|-----|------|----|
| Arsenic  | ug/L  | 20               | 4220          |   | 4250             |   | 1   |      | P  |
| Barium   | ug/L  | 20               | 2690          |   | 2680             |   | 0   |      | P  |
| Cadmium  | ug/L  | 20               | 1000          |   | 1010             |   | 1   |      | P  |
| Chromium | ug/L  | 20               | 2130          |   | 2150             |   | 1   |      | P  |
| Lead     | ug/L  | 20               | 4920          |   | 4950             |   | 1   |      | P  |
| Mercury  | ug/L  | 20               | 39.4          |   | 38.9             |   | 1   |      | CV |
| Selenium | ug/L  | 20               | 10200         |   | 10300            |   | 1   |      | P  |
| Silver   | ug/L  | 20               | 396           |   | 400              |   | 1   |      | P  |

## Metals

- 7 -

### LABORATORY CONTROL SAMPLE SUMMARY

**Client:** G Environmental **SDG No.:** Q1574  
**Contract:** GENV01 **Lab Code:** CHEM **Case No.:** Q1574 **SAS No.:** Q1574

| Analyte    | Units | True Value | Result | C | %<br>Recovery | Acceptance<br>Limits | M |
|------------|-------|------------|--------|---|---------------|----------------------|---|
| PB167161BS |       |            |        |   |               |                      |   |
| Arsenic    | ug/L  | 4000       | 3850   |   | 96            | 80 - 120             | P |
| Barium     | ug/L  | 1000       | 869    |   | 87            | 80 - 120             | P |
| Cadmium    | ug/L  | 1000       | 933    |   | 93            | 80 - 120             | P |
| Chromium   | ug/L  | 2000       | 2010   |   | 100           | 80 - 120             | P |
| Lead       | ug/L  | 5000       | 4670   |   | 93            | 80 - 120             | P |
| Selenium   | ug/L  | 10000      | 9550   |   | 96            | 80 - 120             | P |
| Silver     | ug/L  | 380        | 376    |   | 99            | 80 - 120             | P |



**Metals**

- 7 -

**LABORATORY CONTROL SAMPLE SUMMARY**

**Client:** G Environmental **SDG No.:** Q1574  
**Contract:** GENV01 **Lab Code:** CHEM **Case No.:** Q1574 **SAS No.:** Q1574

| Analyte               | Units | True Value | Result | C | %<br>Recovery | Acceptance<br>Limits | M  |
|-----------------------|-------|------------|--------|---|---------------|----------------------|----|
| PB167166BS<br>Mercury | ug/L  | 4.0        | 4.60   |   | 115           | 82 - 119             | CV |

**Metals**  
**-9 -**  
**ICP SERIAL DILUTIONS**

**SAMPLE NO.**

JC-03-03132025L

**Lab Name:** Chemtech Consulting Group

**Contract:** GENV01

**Lab Code:** CHEM **Lb No.:** lb135063 **Lab Sample ID :** Q1568-04L **SDG No.:** Q1574

**Matrix (soil/water):** Water **Level (low/med):** LOW

**Concentration Units:** ug/L

| Analyte  | Initial Sample Result (I) |   | Serial Dilution Result (S) |   | % Difference | Q | M  |
|----------|---------------------------|---|----------------------------|---|--------------|---|----|
|          |                           | C |                            | C |              |   |    |
| Arsenic  | 100                       | U | 500                        | U |              |   | P  |
| Barium   | 1710                      |   | 1710                       | J | 0            |   | P  |
| Cadmium  | 2.07                      | J | 150                        | U | 100.0        |   | P  |
| Chromium | 50.0                      | U | 250                        | U |              |   | P  |
| Lead     | 70.8                      |   | 300                        | U | 100.0        |   | P  |
| Mercury  | 2.00                      | U | 10.0                       | U |              |   | CV |
| Selenium | 100                       | U | 500                        | U |              |   | P  |
| Silver   | 50.0                      | U | 250                        | U |              |   | P  |

**metals**  
**- 14 -**  
**ANALYSIS RUN LOG**

**Client:** G Environmental **Contract:** GENV01

**Lab code:** CHEM **Case no.:** Q1574 **Sas no.:** Q1574 **Sdg no.:** Q1574

**Instrument id number:**                      **Method:**                      **Run number:** LB135063

**Start date:** 03/17/2025 **End date:** 03/17/2025

| Lab sample id. | Client Sample Id  | d/f | Time | Parameter list       |
|----------------|-------------------|-----|------|----------------------|
| S0             | S0                | 1   | 1405 | Ag,As,Ba,Cd,Cr,Pb,Se |
| S1             | S1                | 1   | 1409 | Ag,As,Ba,Cd,Cr,Pb,Se |
| S2             | S2                | 1   | 1414 | Ag,As,Ba,Cd,Cr,Pb,Se |
| S3             | S3                | 1   | 1418 | Ag,As,Ba,Cd,Cr,Pb,Se |
| S4             | S4                | 1   | 1422 | Ag,As,Ba,Cd,Cr,Pb,Se |
| S5             | S5                | 1   | 1427 | Ag,As,Ba,Cd,Cr,Pb,Se |
| ICV01          | ICV01             | 1   | 1431 | Ag,As,Ba,Cd,Cr,Pb,Se |
| LLICV01        | LLICV01           | 1   | 1438 | Ag,As,Ba,Cd,Cr,Pb,Se |
| ICB01          | ICB01             | 1   | 1443 | Ag,As,Ba,Cd,Cr,Pb,Se |
| CRI01          | CRI01             | 1   | 1447 | Ag,As,Ba,Cd,Cr,Pb,Se |
| ICSA01         | ICSA01            | 1   | 1451 | Ag,As,Ba,Cd,Cr,Pb,Se |
| ICSAB01        | ICSAB01           | 1   | 1502 | Ag,As,Ba,Cd,Cr,Pb,Se |
| CCV01          | CCV01             | 1   | 1515 | Ag,As,Ba,Cd,Cr,Pb,Se |
| CCB01          | CCB01             | 1   | 1527 | Ag,As,Ba,Cd,Cr,Pb,Se |
| CCV02          | CCV02             | 1   | 1613 | Ag,As,Ba,Cd,Cr,Pb,Se |
| CCB02          | CCB02             | 1   | 1617 | Ag,As,Ba,Cd,Cr,Pb,Se |
| Q1568-04DUP    | JC-03-03132025DUP | 1   | 1635 | Ag,As,Ba,Cd,Cr,Pb,Se |
| Q1568-04L      | JC-03-03132025L   | 5   | 1639 | Ag,As,Ba,Cd,Cr,Pb,Se |
| Q1568-04MS     | JC-03-03132025MS  | 1   | 1643 | Ag,As,Ba,Cd,Cr,Pb,Se |
| Q1568-04MSD    | JC-03-03132025MSD | 1   | 1647 | Ag,As,Ba,Cd,Cr,Pb,Se |
| PB167133TB     | PB167133TB        | 1   | 1656 | Ag,As,Ba,Cd,Cr,Pb,Se |
| PB167161BL     | PB167161BL        | 1   | 1700 | Ag,As,Ba,Cd,Cr,Pb,Se |
| CCV03          | CCV03             | 1   | 1705 | Ag,As,Ba,Cd,Cr,Pb,Se |
| CCB03          | CCB03             | 1   | 1709 | Ag,As,Ba,Cd,Cr,Pb,Se |
| PB167161BS     | PB167161BS        | 1   | 1713 | Ag,As,Ba,Cd,Cr,Pb,Se |
| CCV04          | CCV04             | 1   | 1751 | Ag,As,Ba,Cd,Cr,Pb,Se |
| CCB04          | CCB04             | 1   | 1755 | Ag,As,Ba,Cd,Cr,Pb,Se |
| CCV05          | CCV05             | 1   | 1818 | Ag,As,Ba,Cd,Cr,Pb,Se |
| CCB05          | CCB05             | 1   | 1822 | Ag,As,Ba,Cd,Cr,Pb,Se |

**metals**  
**- 14 -**  
**ANALYSIS RUN LOG**

**Client:** G Environmental **Contract:** GENV01

**Lab code:** CHEM **Case no.:** Q1574 **Sas no.:** Q1574 **Sdg no.:** Q1574

**Instrument id number:**                      **Method:**                      **Run number:** LB135064

**Start date:** 03/18/2025 **End date:** 03/18/2025

| Lab sample id. | Client Sample Id  | d/f | Time | Parameter list |
|----------------|-------------------|-----|------|----------------|
| S0             | S0                | 1   | 0934 | HG             |
| S0.2           | S0.2              | 1   | 0936 | HG             |
| S2.5           | S2.5              | 1   | 0939 | HG             |
| S5             | S5                | 1   | 0941 | HG             |
| S7.5           | S7.5              | 1   | 0949 | HG             |
| S10            | S10               | 1   | 0952 | HG             |
| ICV46          | ICV46             | 1   | 0955 | HG             |
| ICB46          | ICB46             | 1   | 0957 | HG             |
| CCV20          | CCV20             | 1   | 0959 | HG             |
| CCB20          | CCB20             | 1   | 1004 | HG             |
| CRA            | CRA               | 1   | 1006 | HG             |
| PB167166BL     | PB167166BL        | 1   | 1016 | HG             |
| PB167166BS     | PB167166BS        | 1   | 1018 | HG             |
| Q1568-04DUP    | JC-03-03132025DUP | 1   | 1023 | HG             |
| Q1568-04MS     | JC-03-03132025MS  | 1   | 1025 | HG             |
| Q1568-04MSD    | JC-03-03132025MSD | 1   | 1027 | HG             |
| CCV21          | CCV21             | 1   | 1035 | HG             |
| CCB21          | CCB21             | 1   | 1041 | HG             |
| Q1574-02       | WC1               | 1   | 1045 | HG             |
| PB167133TB     | PB167133TB        | 1   | 1048 | HG             |
| Q1568-04L      | JC-03-03132025L   | 5   | 1050 | HG             |
| CCV22          | CCV22             | 1   | 1054 | HG             |
| CCB22          | CCB22             | 1   | 1059 | HG             |

**metals**  
**- 14 -**  
**ANALYSIS RUN LOG**

**Client:** G Environmental **Contract:** GENV01

**Lab code:** CHEM **Case no.:** Q1574 **Sas no.:** Q1574 **Sdg no.:** Q1574

**Instrument id number:**                      **Method:**                      **Run number:** LB135083

**Start date:** 03/18/2025 **End date:** 03/18/2025

| Lab sample id. | Client Sample Id | d/f | Time | Parameter list       |
|----------------|------------------|-----|------|----------------------|
| S0             | S0               | 1   | 1011 | Ag,As,Ba,Cd,Cr,Pb,Se |
| S1             | S1               | 1   | 1015 | Ag,As,Ba,Cd,Cr,Pb,Se |
| S2             | S2               | 1   | 1020 | Ag,As,Ba,Cd,Cr,Pb,Se |
| S3             | S3               | 1   | 1024 | Ag,As,Ba,Cd,Cr,Pb,Se |
| S4             | S4               | 1   | 1028 | Ag,As,Ba,Cd,Cr,Pb,Se |
| S5             | S5               | 1   | 1032 | Ag,As,Ba,Cd,Cr,Pb,Se |
| ICV01          | ICV01            | 1   | 1036 | Ag,As,Ba,Cd,Cr,Pb,Se |
| LLICV01        | LLICV01          | 1   | 1041 | Ag,As,Ba,Cd,Cr,Pb,Se |
| ICB01          | ICB01            | 1   | 1045 | Ag,As,Ba,Cd,Cr,Pb,Se |
| CRI01          | CRI01            | 1   | 1049 | Ag,As,Ba,Cd,Cr,Pb,Se |
| ICSA01         | ICSA01           | 1   | 1054 | Ag,As,Ba,Cd,Cr,Pb,Se |
| ICSAB01        | ICSAB01          | 1   | 1104 | Ag,As,Ba,Cd,Cr,Pb,Se |
| CCV01          | CCV01            | 1   | 1109 | Ag,As,Ba,Cd,Cr,Pb,Se |
| CCB01          | CCB01            | 1   | 1113 | Ag,As,Ba,Cd,Cr,Pb,Se |
| Q1574-02       | WC1              | 1   | 1145 | Ag,As,Ba,Cd,Cr,Pb,Se |
| CCV02          | CCV02            | 1   | 1208 | Ag,As,Ba,Cd,Cr,Pb,Se |
| CCB02          | CCB02            | 1   | 1217 | Ag,As,Ba,Cd,Cr,Pb,Se |
| CCV03          | CCV03            | 1   | 1307 | Ag,As,Ba,Cd,Cr,Pb,Se |
| CCB03          | CCB03            | 1   | 1313 | Ag,As,Ba,Cd,Cr,Pb,Se |
| CCV04          | CCV04            | 1   | 1407 | Ag,As,Ba,Cd,Cr,Pb,Se |
| CCB04          | CCB04            | 1   | 1420 | Ag,As,Ba,Cd,Cr,Pb,Se |
| CCV05          | CCV05            | 1   | 1449 | Ag,As,Ba,Cd,Cr,Pb,Se |
| CCB05          | CCB05            | 1   | 1453 | Ag,As,Ba,Cd,Cr,Pb,Se |



# METAL PREPARATION & INSTRUMENT DATA

**Metals**

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**ICP INTERELEMENT CORRECTION FACTORS**

**Client:** G Environmental

**SDG No.:** Q1574

**Contract:** GENV01

**Lab Code:** CHEM

**Case No.:** Q1574

**SAS No.:** Q1574

**Instrument ID:** \_\_\_\_\_

**Date:** \_\_\_\_\_

**Interelement Correction Factors (apparent ppb analyte/ppm interferent )**

| Analyte  | Wave-<br>Length<br>(nm) | ICP Interelement Correction Factors For: |           |            |           |           |
|----------|-------------------------|------------------------------------------|-----------|------------|-----------|-----------|
|          |                         | Al                                       | Ca        | Fe         | Mg        | Ag        |
| Arsenic  | 193.759                 | 0.0000000                                | 0.0000000 | -0.0000440 | 0.0000000 | 0.0000000 |
| Barium   | 493.409                 | 0.0000000                                | 0.0000000 | 0.0000000  | 0.0000000 | 0.0000000 |
| Cadmium  | 226.502                 | 0.0000000                                | 0.0000000 | 0.0000930  | 0.0000000 | 0.0000000 |
| Chromium | 267.716                 | 0.0000000                                | 0.0000000 | 0.0000000  | 0.0000000 | 0.0000000 |
| Lead     | 220.353                 | -0.0000920                               | 0.0000000 | 0.0000380  | 0.0000000 | 0.0000000 |
| Selenium | 196.090                 | 0.0000000                                | 0.0000000 | -0.0001440 | 0.0000000 | 0.0000000 |
| Silver   | 328.068                 | 0.0000000                                | 0.0000000 | -0.0001490 | 0.0000000 | 0.0000000 |

**Metals**

- 11 -

**ICP INTERELEMENT CORRECTION FACTORS**

**Client:** G Environmental

**SDG No.:** Q1574

**Contract:** GENV01

**Lab Code:** CHEM

**Case No.:** Q1574

**SAS No.:** Q1574

**Instrument ID:** \_\_\_\_\_

**Date:** \_\_\_\_\_

**Interelement Correction Factors (apparent ppb analyte/ppm interferent )**

| Analyte  | Wave-<br>Length<br>(nm) | ICP Interelement Correction Factors For: |           |           |           |            |
|----------|-------------------------|------------------------------------------|-----------|-----------|-----------|------------|
|          |                         | As                                       | Ba        | Be        | Cd        | Co         |
| Arsenic  | 193.759                 | 0.0000000                                | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000  |
| Barium   | 493.409                 | 0.0000000                                | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000  |
| Cadmium  | 226.502                 | 0.0000000                                | 0.0000000 | 0.0000000 | 0.0000000 | 0.0002870  |
| Chromium | 267.716                 | 0.0000000                                | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000  |
| Lead     | 220.353                 | 0.0000000                                | 0.0003170 | 0.0000000 | 0.0000000 | 0.0000000  |
| Selenium | 196.090                 | 0.0000000                                | 0.0000000 | 0.0000000 | 0.0000000 | -0.0003570 |
| Silver   | 328.068                 | 0.0000000                                | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000  |



**Metals**

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**ICP INTERELEMENT CORRECTION FACTORS**

**Client:** G Environmental

**SDG No.:** Q1574

**Contract:** GENV01

**Lab Code:** CHEM

**Case No.:** Q1574

**SAS No.:** Q1574

**Instrument ID:** \_\_\_\_\_

**Date:** \_\_\_\_\_

**Interelement Correction Factors (apparent ppb analyte/ppm interferent )**

| Analyte  | Wave-<br>Length<br>(nm) | ICP Interelement Correction Factors For: |           |           |           |            |
|----------|-------------------------|------------------------------------------|-----------|-----------|-----------|------------|
|          |                         | Cr                                       | Cu        | K         | Mn        | Mo         |
| Arsenic  | 193.759                 | -0.0029000                               | 0.0000000 | 0.0000000 | 0.0000000 | 0.0004900  |
| Barium   | 493.409                 | 0.0000000                                | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000  |
| Cadmium  | 226.502                 | 0.0000000                                | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000  |
| Chromium | 267.716                 | 0.0000000                                | 0.0000000 | 0.0000070 | 0.0002200 | 0.0000000  |
| Lead     | 220.353                 | 0.0000000                                | 0.0000000 | 0.0000000 | 0.0001400 | -0.0008600 |
| Selenium | 196.090                 | 0.0000000                                | 0.0000000 | 0.0000000 | 0.0007460 | 0.0000000  |
| Silver   | 328.068                 | 0.0000000                                | 0.0000000 | 0.0000000 | 0.0000000 | -0.0000120 |

**Metals**

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**ICP INTERELEMENT CORRECTION FACTORS**

**Client:** G Environmental

**SDG No.:** Q1574

**Contract:** GENV01

**Lab Code:** CHEM

**Case No.:** Q1574

**SAS No.:** Q1574

**Instrument ID:** \_\_\_\_\_

**Date:** \_\_\_\_\_

**Interelement Correction Factors (apparent ppb analyte/ppm interferent )**

| Analyte  | Wave-<br>Length<br>(nm) | ICP Interelement Correction Factors For: |           |           |           |           |
|----------|-------------------------|------------------------------------------|-----------|-----------|-----------|-----------|
|          |                         | Na                                       | Ni        | Pb        | Sb        | Se        |
| Arsenic  | 193.759                 | 0.0000000                                | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Barium   | 493.409                 | 0.0000000                                | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Cadmium  | 226.502                 | 0.0000000                                | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Chromium | 267.716                 | 0.0000000                                | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Lead     | 220.353                 | 0.0000000                                | 0.0006580 | 0.0000000 | 0.0000000 | 0.0001290 |
| Selenium | 196.090                 | 0.0000000                                | 0.0000000 | 0.0003330 | 0.0000000 | 0.0000000 |
| Silver   | 328.068                 | 0.0000000                                | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |

**Metals**

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**ICP INTERELEMENT CORRECTION FACTORS**

**Client:** G Environmental

**SDG No.:** Q1574

**Contract:** GENV01

**Lab Code:** CHEM

**Case No.:** Q1574

**SAS No.:** Q1574

**Instrument ID:** \_\_\_\_\_

**Date:** \_\_\_\_\_

**Interelement Correction Factors (apparent ppb analyte/ppm interferent )**

| Analyte  | Wave-<br>Length<br>(nm) | ICP Interelement Correction Factors For: |            |           |           |           |
|----------|-------------------------|------------------------------------------|------------|-----------|-----------|-----------|
|          |                         | Sn                                       | Ti         | Tl        | V         | Zn        |
| Arsenic  | 193.759                 | 0.0000000                                | 0.0000000  | 0.0000000 | 0.0000000 | 0.0000000 |
| Barium   | 493.409                 | 0.0000000                                | 0.0000000  | 0.0000000 | 0.0000000 | 0.0000000 |
| Cadmium  | 226.502                 | 0.0000000                                | 0.0000630  | 0.0001280 | 0.0000000 | 0.0000000 |
| Chromium | 267.716                 | 0.0000000                                | 0.0000000  | 0.0000000 | 0.0001110 | 0.0000000 |
| Lead     | 220.353                 | 0.0000000                                | -0.0003610 | 0.0000000 | 0.0000000 | 0.0000000 |
| Selenium | 196.090                 | 0.0000000                                | 0.0000000  | 0.0000000 | 0.0000000 | 0.0000000 |
| Silver   | 328.068                 | 0.0000000                                | -0.0007420 | 0.0000000 | 0.0000000 | 0.0000000 |

## LAB CHRONICLE

|                 |                 |                   |                       |
|-----------------|-----------------|-------------------|-----------------------|
| <b>OrderID:</b> | Q1574           | <b>OrderDate:</b> | 3/14/2025 11:25:00 AM |
| <b>Client:</b>  | G Environmental | <b>Project:</b>   | Ave L                 |
| <b>Contact:</b> | Gary Landis     | <b>Location:</b>  | I41,VOA Ref. #2 Soil  |

| LabID    | ClientID | Matrix | Test            | Method | Sample Date | Prep Date | Anal Date | Received |
|----------|----------|--------|-----------------|--------|-------------|-----------|-----------|----------|
| Q1574-01 | WC1      | SOIL   |                 |        | 03/12/25    |           |           | 03/14/25 |
|          |          |        | Mercury         | 7471B  |             | 03/17/25  | 03/17/25  |          |
|          |          |        | Metals ICP-TAL  | 6010D  |             | 03/14/25  | 03/18/25  |          |
| Q1574-02 | WC1      | TCLP   |                 |        | 03/12/25    |           |           | 03/14/25 |
|          |          |        | TCLP ICP Metals | 6010D  |             | 03/17/25  | 03/18/25  |          |
|          |          |        | TCLP Mercury    | 7470A  |             | 03/17/25  | 03/18/25  |          |



# METAL PREPARATION & ANALYICAL SUMMARY

**Metals**

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**SAMPLE PREPARATION SUMMARY**

|                  |                        |                  |              |
|------------------|------------------------|------------------|--------------|
| <b>Client:</b>   | <u>G Environmental</u> | <b>SDG No.:</b>  | <u>Q1574</u> |
| <b>Contract:</b> | <u>GENV01</u>          | <b>Lab Code:</b> | <u>CHEM</u>  |
|                  |                        | <b>Method:</b>   | <u></u>      |
|                  |                        | <b>Case No.:</b> | <u>Q1574</u> |
|                  |                        | <b>SAS No.:</b>  | <u>Q1574</u> |

| Sample ID                     | Client ID         | Sample Type | Matrix | Prep Date  | Initial Sample Size(mL) | Final Sample Volume (mL) | Percent Solids |
|-------------------------------|-------------------|-------------|--------|------------|-------------------------|--------------------------|----------------|
| <b>Batch Number: PB167161</b> |                   |             |        |            |                         |                          |                |
| PB167133TB                    | PB167133TB        | MB          | WATER  | 03/17/2025 | 5.0                     | 25.0                     |                |
| PB167161BL                    | PB167161BL        | MB          | WATER  | 03/17/2025 | 5.0                     | 25.0                     |                |
| PB167161BS                    | PB167161BS        | LCS         | WATER  | 03/17/2025 | 5.0                     | 25.0                     |                |
| Q1568-04DUP                   | JC-03-03132025DUP | DUP         | WATER  | 03/17/2025 | 5.0                     | 25.0                     |                |
| Q1568-04MS                    | JC-03-03132025MS  | MS          | WATER  | 03/17/2025 | 5.0                     | 25.0                     |                |
| Q1568-04MSD                   | JC-03-03132025MSD | MSD         | WATER  | 03/17/2025 | 5.0                     | 25.0                     |                |
| Q1574-02                      | WC1               | SAM         | WATER  | 03/17/2025 | 5.0                     | 25.0                     |                |

**Metals**

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**SAMPLE PREPARATION SUMMARY**

|                  |                        |                  |              |
|------------------|------------------------|------------------|--------------|
| <b>Client:</b>   | <u>G Environmental</u> | <b>SDG No.:</b>  | <u>Q1574</u> |
| <b>Contract:</b> | <u>GENV01</u>          | <b>Lab Code:</b> | <u>CHEM</u>  |
|                  |                        | <b>Method:</b>   | <u></u>      |
|                  |                        | <b>Case No.:</b> | <u>Q1574</u> |
|                  |                        | <b>SAS No.:</b>  | <u>Q1574</u> |

| Sample ID                     | Client ID         | Sample Type | Matrix | Prep Date  | Initial Sample Size(mL) | Final Sample Volume (mL) | Percent Solids |
|-------------------------------|-------------------|-------------|--------|------------|-------------------------|--------------------------|----------------|
| <b>Batch Number: PB167166</b> |                   |             |        |            |                         |                          |                |
| PB167133TB                    | PB167133TB        | MB          | WATER  | 03/17/2025 | 3.0                     | 30.0                     |                |
| PB167166BL                    | PB167166BL        | MB          | WATER  | 03/17/2025 | 30.0                    | 30.0                     |                |
| PB167166BS                    | PB167166BS        | LCS         | WATER  | 03/17/2025 | 30.0                    | 30.0                     |                |
| Q1568-04DUP                   | JC-03-03132025DUP | DUP         | WATER  | 03/17/2025 | 3.0                     | 30.0                     |                |
| Q1568-04MS                    | JC-03-03132025MS  | MS          | WATER  | 03/17/2025 | 3.0                     | 30.0                     |                |
| Q1568-04MSD                   | JC-03-03132025MSD | MSD         | WATER  | 03/17/2025 | 3.0                     | 30.0                     |                |
| Q1574-02                      | WC1               | SAM         | WATER  | 03/17/2025 | 3.0                     | 30.0                     |                |

Instrument ID: P4

**Daily Analysis Runlog For Sequence/QC Batch ID # LB135063**

|                  |                                                 |              |                       |
|------------------|-------------------------------------------------|--------------|-----------------------|
| Review By        | kareem                                          | Review On    | 3/18/2025 12:28:54 PM |
| Supervise By     | jaswal                                          | Supervise On | 3/20/2025 11:15:13 AM |
| <b>STD. NAME</b> | <b>STD REF.#</b>                                |              |                       |
| ICAL Standard    | MP84636,MP84637,MP84638,MP84639,MP84640,MP84846 |              |                       |
| ICV Standard     | MP84643                                         |              |                       |
| CCV Standard     | MP84646                                         |              |                       |
| ICSA Standard    | MP84644,MP84721                                 |              |                       |
| CRI Standard     | MP84846                                         |              |                       |
| LCS Standard     |                                                 |              |                       |
| Chk Standard     | MP84649,MP84650                                 |              |                       |

| Sr# | SampleId   | ClientID   | QcType | Date           | Comment                                                 | Operator | Status |
|-----|------------|------------|--------|----------------|---------------------------------------------------------|----------|--------|
| 1   | S0         | S0         | CAL1   | 03/17/25 14:05 |                                                         | Kareem   | OK     |
| 2   | S1         | S1         | CAL2   | 03/17/25 14:09 |                                                         | Kareem   | OK     |
| 3   | S2         | S2         | CAL3   | 03/17/25 14:14 |                                                         | Kareem   | OK     |
| 4   | S3         | S3         | CAL4   | 03/17/25 14:18 |                                                         | Kareem   | OK     |
| 5   | S4         | S4         | CAL5   | 03/17/25 14:22 |                                                         | Kareem   | OK     |
| 6   | S5         | S5         | CAL6   | 03/17/25 14:27 |                                                         | Kareem   | OK     |
| 7   | ICV01      | ICV01      | ICV    | 03/17/25 14:31 | ICV01 Fail for Be (200.7)                               | Kareem   | OK     |
| 8   | LLICV01    | LLICV01    | LLICV  | 03/17/25 14:38 |                                                         | Kareem   | OK     |
| 9   | ICB01      | ICB01      | ICB    | 03/17/25 14:43 |                                                         | Kareem   | OK     |
| 10  | CRI01      | CRI01      | CRDL   | 03/17/25 14:47 |                                                         | Kareem   | OK     |
| 11  | ICSA01     | ICSA01     | ICSA   | 03/17/25 14:51 |                                                         | Kareem   | OK     |
| 12  | ICSAB01    | ICSAB01    | ICSAB  | 03/17/25 15:02 |                                                         | Kareem   | OK     |
| 13  | ICSADL     | ICSADL     | ICSA   | 03/17/25 15:06 |                                                         | Kareem   | OK     |
| 14  | ICSABDL    | ICSABDL    | ICSAB  | 03/17/25 15:11 |                                                         | Kareem   | OK     |
| 15  | CCV01      | CCV01      | CCV    | 03/17/25 15:15 |                                                         | Kareem   | OK     |
| 16  | CCB01      | CCB01      | CCB    | 03/17/25 15:27 |                                                         | Kareem   | OK     |
| 17  | PB167007BL | PB167007BL | MB     | 03/17/25 15:31 |                                                         | Kareem   | OK     |
| 18  | PB167007BS | PB167007BS | LCS    | 03/17/25 15:35 | 0.1 ML OF M6004 AND M6013 WERE ADDED TO 10 ML OF SAMPLE | Kareem   | OK     |



Instrument ID: P4

**Daily Analysis Runlog For Sequence/QC Batch ID # LB135063**

|                  |                                                 |              |                       |
|------------------|-------------------------------------------------|--------------|-----------------------|
| Review By        | kareem                                          | Review On    | 3/18/2025 12:28:54 PM |
| Supervise By     | jaswal                                          | Supervise On | 3/20/2025 11:15:13 AM |
| <b>STD. NAME</b> | <b>STD REF.#</b>                                |              |                       |
| ICAL Standard    | MP84636,MP84637,MP84638,MP84639,MP84640,MP84846 |              |                       |
| ICV Standard     | MP84643                                         |              |                       |
| CCV Standard     | MP84646                                         |              |                       |
| ICSA Standard    | MP84644,MP84721                                 |              |                       |
| CRI Standard     | MP84846                                         |              |                       |
| LCS Standard     |                                                 |              |                       |
| Chk Standard     | MP84649,MP84650                                 |              |                       |

|    |             |                   |     |                |                                                         |        |    |
|----|-------------|-------------------|-----|----------------|---------------------------------------------------------|--------|----|
| 19 | PB167119BL  | PB167119BL        | MB  | 03/17/25 15:39 |                                                         | Kareem | OK |
| 20 | PB167119BS  | PB167119BS        | LCS | 03/17/25 15:44 | 0.1 ML OF M6004 AND M6013 WERE ADDED TO 10 ML OF SAMPLE | Kareem | OK |
| 21 | Q1543-01    | ISB878MW02        | SAM | 03/17/25 15:48 |                                                         | Kareem | OK |
| 22 | Q1543-02    | ISB878MW05        | SAM | 03/17/25 15:52 |                                                         | Kareem | OK |
| 23 | Q1543-02DUP | ISB878MW05DUP     | DUP | 03/17/25 15:56 |                                                         | Kareem | OK |
| 24 | Q1543-02L   | ISB878MW05L       | SD  | 03/17/25 16:01 |                                                         | Kareem | OK |
| 25 | Q1543-02MS  | ISB878MW05MS      | MS  | 03/17/25 16:05 | 0.1 ML OF M6004 AND M6013 WERE ADDED TO 10 ML OF SAMPLE | Kareem | OK |
| 26 | Q1543-02MSD | ISB878MW05MSD     | MSD | 03/17/25 16:09 | 0.1 ML OF M6004 AND M6013 WERE ADDED TO 10 ML OF SAMPLE | Kareem | OK |
| 27 | CCV02       | CCV02             | CCV | 03/17/25 16:13 |                                                         | Kareem | OK |
| 28 | CCB02       | CCB02             | CCB | 03/17/25 16:17 |                                                         | Kareem | OK |
| 29 | Q1553-03    | FRAC-TANK-FMI120  | SAM | 03/17/25 16:22 |                                                         | Kareem | OK |
| 30 | Q1543-02A   | ISB878MW05A       | PS  | 03/17/25 16:26 | 0.1 ML OF M6004 AND M6013 WERE ADDED TO 10 ML OF SAMPLE | Kareem | OK |
| 31 | Q1568-04    | JC-03-03132025    | SAM | 03/17/25 16:30 |                                                         | Kareem | OK |
| 32 | Q1568-04DUP | JC-03-03132025DUP | DUP | 03/17/25 16:35 |                                                         | Kareem | OK |
| 33 | Q1568-04L   | JC-03-03132025L   | SD  | 03/17/25 16:39 |                                                         | Kareem | OK |
| 34 | Q1568-04MS  | JC-03-03132025MS  | MS  | 03/17/25 16:43 | 0.1 ML OF M6004 AND M6013 WERE ADDED TO 10 ML OF SAMPLE | Kareem | OK |

Instrument ID: P4

**Daily Analysis Runlog For Sequence/QC Batch ID # LB135063**

| Review By     | kareem                                          | Review On    | 3/18/2025 12:28:54 PM |
|---------------|-------------------------------------------------|--------------|-----------------------|
| Supervise By  | jaswal                                          | Supervise On | 3/20/2025 11:15:13 AM |
| STD. NAME     | STD REF.#                                       |              |                       |
| ICAL Standard | MP84636,MP84637,MP84638,MP84639,MP84640,MP84846 |              |                       |
| ICV Standard  | MP84643                                         |              |                       |
| CCV Standard  | MP84646                                         |              |                       |
| ICSA Standard | MP84644,MP84721                                 |              |                       |
| CRI Standard  | MP84846                                         |              |                       |
| LCS Standard  |                                                 |              |                       |
| Chk Standard  | MP84649,MP84650                                 |              |                       |

|    |             |                   |     |                |                                                         |        |    |
|----|-------------|-------------------|-----|----------------|---------------------------------------------------------|--------|----|
| 35 | Q1568-04MSD | JC-03-03132025MSD | MSD | 03/17/25 16:47 | 0.1 ML OF M6004 AND M6013 WERE ADDED TO 10 ML OF SAMPLE | Kareem | OK |
| 36 | Q1568-04A   | JC-03-03132025A   | PS  | 03/17/25 16:52 | 0.1 ML OF M6004 AND M6013 WERE ADDED TO 10 ML OF SAMPLE | Kareem | OK |
| 37 | PB167133TB  | PB167133TB        | MB  | 03/17/25 16:56 |                                                         | Kareem | OK |
| 38 | PB167161BL  | PB167161BL        | MB  | 03/17/25 17:00 |                                                         | Kareem | OK |
| 39 | CCV03       | CCV03             | CCV | 03/17/25 17:05 |                                                         | Kareem | OK |
| 40 | CCB03       | CCB03             | CCB | 03/17/25 17:09 |                                                         | Kareem | OK |
| 41 | PB167161BS  | PB167161BS        | LCS | 03/17/25 17:13 | 0.1 ML OF M6004 AND M6013 WERE ADDED TO 10 ML OF SAMPLE | Kareem | OK |
| 42 | Q1566-01    | CTWK-COMP         | SAM | 03/17/25 17:17 |                                                         | Kareem | OK |
| 43 | Q1568-01    | JC-03-03132025    | SAM | 03/17/25 17:21 |                                                         | Kareem | OK |
| 44 | Q1568-01DUP | JC-03-03132025DUP | DUP | 03/17/25 17:25 |                                                         | Kareem | OK |
| 45 | Q1568-01L   | JC-03-03132025L   | SD  | 03/17/25 17:29 |                                                         | Kareem | OK |
| 46 | Q1568-01MS  | JC-03-03132025MS  | MS  | 03/17/25 17:34 | 0.1 ML OF M6004 AND M6013 WERE ADDED TO 10 ML OF SAMPLE | Kareem | OK |
| 47 | Q1568-01MSD | JC-03-03132025MSD | MSD | 03/17/25 17:38 | 0.1 ML OF M6004 AND M6013 WERE ADDED TO 10 ML OF SAMPLE | Kareem | OK |
| 48 | Q1568-01A   | JC-03-03132025A   | PS  | 03/17/25 17:43 | 0.1 ML OF M6004 AND M6013 WERE ADDED TO 10 ML OF SAMPLE | Kareem | OK |
| 49 | CCV04       | CCV04             | CCV | 03/17/25 17:51 |                                                         | Kareem | OK |

Instrument ID: P4

**Daily Analysis Runlog For Sequence/QC Batch ID # LB135063**

| Review By     | kareem                                          | Review On    | 3/18/2025 12:28:54 PM |
|---------------|-------------------------------------------------|--------------|-----------------------|
| Supervise By  | jaswal                                          | Supervise On | 3/20/2025 11:15:13 AM |
| STD. NAME     | STD REF.#                                       |              |                       |
| ICAL Standard | MP84636,MP84637,MP84638,MP84639,MP84640,MP84846 |              |                       |
| ICV Standard  | MP84643                                         |              |                       |
| CCV Standard  | MP84646                                         |              |                       |
| ICSA Standard | MP84644,MP84721                                 |              |                       |
| CRI Standard  | MP84846                                         |              |                       |
| LCS Standard  |                                                 |              |                       |
| Chk Standard  | MP84649,MP84650                                 |              |                       |

|    |            |            |          |                |                                                               |        |    |
|----|------------|------------|----------|----------------|---------------------------------------------------------------|--------|----|
| 50 | CCB04      | CCB04      | CCB      | 03/17/25 17:55 |                                                               | Kareem | OK |
| 51 | LR1        | LR1        | HIGH STD | 03/17/25 17:59 |                                                               | Kareem | OK |
| 52 | LR2        | LR2        | HIGH STD | 03/17/25 18:04 |                                                               | Kareem | OK |
| 53 | PB167132BL | PB167132BL | MB       | 03/17/25 18:10 |                                                               | Kareem | OK |
| 54 | PB167132BS | PB167132BS | LCS      | 03/17/25 18:14 | 0.1 ML OF M6004 AND<br>M6013 WERE ADDED TO<br>10 ML OF SAMPLE | Kareem | OK |
| 55 | CCV05      | CCV05      | CCV      | 03/17/25 18:18 |                                                               | Kareem | OK |
| 56 | CCB05      | CCB05      | CCB      | 03/17/25 18:22 |                                                               | Kareem | OK |

Instrument ID: CV1

**Daily Analysis Runlog For Sequence/QC Batch ID # LB135064**

|                  |                                                 |              |                       |
|------------------|-------------------------------------------------|--------------|-----------------------|
| Review By        | Mohan                                           | Review On    | 3/20/2025 11:15:47 AM |
| Supervise By     | jaswal                                          | Supervise On | 3/20/2025 11:16:04 AM |
| <b>STD. NAME</b> | <b>STD REF.#</b>                                |              |                       |
| ICAL Standard    | MP84882,MP84883,MP84884,MP84885,MP84886,MP84887 |              |                       |
| ICV Standard     | MP84889                                         |              |                       |
| CCV Standard     | MP84891                                         |              |                       |
| ICSA Standard    |                                                 |              |                       |
| CRI Standard     | MP84893                                         |              |                       |
| LCS Standard     |                                                 |              |                       |
| Chk Standard     | MP84890,MP84892,MP84894,MP84898                 |              |                       |

| Sr# | SampleId    | ClientID          | QcType   | Date           | Comment | Operator | Status |
|-----|-------------|-------------------|----------|----------------|---------|----------|--------|
| 1   | S0          | S0                | CAL1     | 03/18/25 09:34 |         | Mohan    | OK     |
| 2   | S0.2        | S0.2              | CAL2     | 03/18/25 09:36 |         | Mohan    | OK     |
| 3   | S2.5        | S2.5              | CAL3     | 03/18/25 09:39 |         | Mohan    | OK     |
| 4   | S5          | S5                | CAL4     | 03/18/25 09:41 |         | Mohan    | OK     |
| 5   | S7.5        | S7.5              | CAL5     | 03/18/25 09:49 |         | Mohan    | OK     |
| 6   | S10         | S10               | CAL6     | 03/18/25 09:52 |         | Mohan    | OK     |
| 7   | ICV46       | ICV46             | ICV      | 03/18/25 09:55 |         | Mohan    | OK     |
| 8   | ICB46       | ICB46             | ICB      | 03/18/25 09:57 |         | Mohan    | OK     |
| 9   | CCV20       | CCV20             | CCV      | 03/18/25 09:59 |         | Mohan    | OK     |
| 10  | CCB20       | CCB20             | CCB      | 03/18/25 10:04 |         | Mohan    | OK     |
| 11  | CRA         | CRA               | CRDL     | 03/18/25 10:06 |         | Mohan    | OK     |
| 12  | HighStd     | HighStd           | HIGH STD | 03/18/25 10:09 |         | Mohan    | OK     |
| 13  | ChkStd      | ChkStd            | SAM      | 03/18/25 10:11 |         | Mohan    | OK     |
| 14  | PB167166BL  | PB167166BL        | MB       | 03/18/25 10:16 |         | Mohan    | OK     |
| 15  | PB167166BS  | PB167166BS        | LCS      | 03/18/25 10:18 |         | Mohan    | OK     |
| 16  | Q1568-04    | JC-03-03132025    | SAM      | 03/18/25 10:20 |         | Mohan    | OK     |
| 17  | Q1568-04DUP | JC-03-03132025DUP | DUP      | 03/18/25 10:23 |         | Mohan    | OK     |
| 18  | Q1568-04MS  | JC-03-03132025MS  | MS       | 03/18/25 10:25 |         | Mohan    | OK     |

Instrument ID: CV1

**Daily Analysis Runlog For Sequence/QC Batch ID # LB135064**

|                  |                                                 |              |                       |
|------------------|-------------------------------------------------|--------------|-----------------------|
| Review By        | Mohan                                           | Review On    | 3/20/2025 11:15:47 AM |
| Supervise By     | jaswal                                          | Supervise On | 3/20/2025 11:16:04 AM |
| <b>STD. NAME</b> | <b>STD REF.#</b>                                |              |                       |
| ICAL Standard    | MP84882,MP84883,MP84884,MP84885,MP84886,MP84887 |              |                       |
| ICV Standard     | MP84889                                         |              |                       |
| CCV Standard     | MP84891                                         |              |                       |
| ICSA Standard    |                                                 |              |                       |
| CRI Standard     | MP84893                                         |              |                       |
| LCS Standard     |                                                 |              |                       |
| Chk Standard     | MP84890,MP84892,MP84894,MP84898                 |              |                       |

|    |             |                    |     |                |  |       |    |
|----|-------------|--------------------|-----|----------------|--|-------|----|
| 19 | Q1568-04MSD | JC-03-03132025MSD  | MSD | 03/18/25 10:27 |  | Mohan | OK |
| 20 | Q1569-02    | TAP-IDW-SOIL-03132 | SAM | 03/18/25 10:30 |  | Mohan | OK |
| 21 | CCV21       | CCV21              | CCV | 03/18/25 10:35 |  | Mohan | OK |
| 22 | CCB21       | CCB21              | CCB | 03/18/25 10:41 |  | Mohan | OK |
| 23 | Q1569-05    | TAP-IDW-SOIL-03132 | SAM | 03/18/25 10:43 |  | Mohan | OK |
| 24 | Q1574-02    | WC1                | SAM | 03/18/25 10:45 |  | Mohan | OK |
| 25 | PB167133TB  | PB167133TB         | MB  | 03/18/25 10:48 |  | Mohan | OK |
| 26 | Q1568-04L   | JC-03-03132025L    | SD  | 03/18/25 10:50 |  | Mohan | OK |
| 27 | Q1568-04A   | JC-03-03132025A    | PS  | 03/18/25 10:52 |  | Mohan | OK |
| 28 | CCV22       | CCV22              | CCV | 03/18/25 10:54 |  | Mohan | OK |
| 29 | CCB22       | CCB22              | CCB | 03/18/25 10:59 |  | Mohan | OK |

Instrument ID: P4

**Daily Analysis Runlog For Sequence/QC Batch ID # LB135083**

|                  |                                                 |              |                       |
|------------------|-------------------------------------------------|--------------|-----------------------|
| Review By        | kareem                                          | Review On    | 3/19/2025 10:45:13 AM |
| Supervise By     | jaswal                                          | Supervise On | 3/20/2025 11:14:55 AM |
| <b>STD. NAME</b> | <b>STD REF.#</b>                                |              |                       |
| ICAL Standard    | MP84636,MP84637,MP84638,MP84639,MP84640,MP84846 |              |                       |
| ICV Standard     | MP84643                                         |              |                       |
| CCV Standard     | MP84646                                         |              |                       |
| ICSA Standard    | MP84644,MP84721                                 |              |                       |
| CRI Standard     | MP84846                                         |              |                       |
| LCS Standard     |                                                 |              |                       |
| Chk Standard     | MP84649,MP84650                                 |              |                       |

| Sr# | SampleId   | ClientID   | QcType | Date           | Comment                                                 | Operator | Status |
|-----|------------|------------|--------|----------------|---------------------------------------------------------|----------|--------|
| 1   | S0         | S0         | CAL1   | 03/18/25 10:11 |                                                         | Kareem   | OK     |
| 2   | S1         | S1         | CAL2   | 03/18/25 10:15 |                                                         | Kareem   | OK     |
| 3   | S2         | S2         | CAL3   | 03/18/25 10:20 |                                                         | Kareem   | OK     |
| 4   | S3         | S3         | CAL4   | 03/18/25 10:24 |                                                         | Kareem   | OK     |
| 5   | S4         | S4         | CAL5   | 03/18/25 10:28 |                                                         | Kareem   | OK     |
| 6   | S5         | S5         | CAL6   | 03/18/25 10:32 |                                                         | Kareem   | OK     |
| 7   | ICV01      | ICV01      | ICV    | 03/18/25 10:36 | ICV01 Fail for Be,TI (200.7)                            | Kareem   | OK     |
| 8   | LLICV01    | LLICV01    | LLICV  | 03/18/25 10:41 |                                                         | Kareem   | OK     |
| 9   | ICB01      | ICB01      | ICB    | 03/18/25 10:45 |                                                         | Kareem   | OK     |
| 10  | CRI01      | CRI01      | CRDL   | 03/18/25 10:49 |                                                         | Kareem   | OK     |
| 11  | ICSA01     | ICSA01     | ICSA   | 03/18/25 10:54 |                                                         | Kareem   | OK     |
| 12  | ICSAB01    | ICSAB01    | ICSAB  | 03/18/25 11:04 |                                                         | Kareem   | OK     |
| 13  | CCV01      | CCV01      | CCV    | 03/18/25 11:09 |                                                         | Kareem   | OK     |
| 14  | CCB01      | CCB01      | CCB    | 03/18/25 11:13 |                                                         | Kareem   | OK     |
| 15  | PB167145BL | PB167145BL | MB     | 03/18/25 11:18 |                                                         | Kareem   | OK     |
| 16  | PB167145BS | PB167145BS | LCS    | 03/18/25 11:22 | 0.1 ml of M6013 and M6004 were added to 10 ml of sample | Kareem   | OK     |
| 17  | PB167150BL | PB167150BL | MB     | 03/18/25 11:27 |                                                         | Kareem   | OK     |
|     |            |            |        |                |                                                         |          |        |

Instrument ID: P4

**Daily Analysis Runlog For Sequence/QC Batch ID # LB135083**

|              |        |              |                       |
|--------------|--------|--------------|-----------------------|
| Review By    | kareem | Review On    | 3/19/2025 10:45:13 AM |
| Supervise By | jaswal | Supervise On | 3/20/2025 11:14:55 AM |

| STD. NAME     | STD REF.#                                       |
|---------------|-------------------------------------------------|
| ICAL Standard | MP84636,MP84637,MP84638,MP84639,MP84640,MP84846 |
| ICV Standard  | MP84643                                         |
| CCV Standard  | MP84646                                         |
| ICSA Standard | MP84644,MP84721                                 |
| CRI Standard  | MP84846                                         |
| LCS Standard  |                                                 |
| Chk Standard  | MP84649,MP84650                                 |

|    |             |                    |     |                |                                                         |        |          |
|----|-------------|--------------------|-----|----------------|---------------------------------------------------------|--------|----------|
| 18 | PB167150BS  | PB167150BS         | LCS | 03/18/25 11:32 | 0.1 ml of M6013 and M6004 were added to 10 ml of sample | Kareem | OK       |
| 19 | Q1569-05    | TAP-IDW-SOIL-03132 | SAM | 03/18/25 11:36 | Need to Confirm TCLP                                    | Kareem | OK       |
| 20 | Q1569-02    | TAP-IDW-SOIL-03132 | SAM | 03/18/25 11:40 |                                                         | Kareem | OK       |
| 21 | Q1574-02    | WC1                | SAM | 03/18/25 11:45 |                                                         | Kareem | OK       |
| 22 | Q1574-01    | WC1                | SAM | 03/18/25 11:49 | Cr,Cu,Fe,Zn High & Ag (Oversaturated)                   | Kareem | Dilution |
| 23 | Q1569-04    | TAP-IDW-SOIL-03132 | SAM | 03/18/25 11:54 |                                                         | Kareem | OK       |
| 24 | Q1581-01    | TR-06-031425       | SAM | 03/18/25 11:58 |                                                         | Kareem | OK       |
| 25 | CCV02       | CCV02              | CCV | 03/18/25 12:08 |                                                         | Kareem | OK       |
| 26 | CCB02       | CCB02              | CCB | 03/18/25 12:17 |                                                         | Kareem | OK       |
| 27 | Q1581-01DUP | TR-06-031425DUP    | DUP | 03/18/25 12:22 |                                                         | Kareem | OK       |
| 28 | Q1581-01L   | TR-06-031425L      | SD  | 03/18/25 12:26 |                                                         | Kareem | OK       |
| 29 | Q1581-01MS  | TR-06-031425MS     | MS  | 03/18/25 12:30 | 0.1 ml of M6013 and M6004 were added to 10 ml of sample | Kareem | OK       |
| 30 | Q1581-01MSD | TR-06-031425MSD    | MSD | 03/18/25 12:34 | 0.1 ml of M6013 and M6004 were added to 10 ml of sample | Kareem | OK       |
| 31 | Q1581-01A   | TR-06-031425A      | PS  | 03/18/25 12:38 | 0.1 ml of M6013 and M6004 were added to 10 ml of sample | Kareem | OK       |
| 32 | Q1585-01    | OK-02-03142025     | SAM | 03/18/25 12:42 |                                                         | Kareem | OK       |
| 33 | Q1585-01DUP | OK-02-03142025DUP  | DUP | 03/18/25 12:46 |                                                         | Kareem | OK       |

Instrument ID: P4

**Daily Analysis Runlog For Sequence/QC Batch ID # LB135083**

|                  |                                                 |              |                       |
|------------------|-------------------------------------------------|--------------|-----------------------|
| Review By        | kareem                                          | Review On    | 3/19/2025 10:45:13 AM |
| Supervise By     | jaswal                                          | Supervise On | 3/20/2025 11:14:55 AM |
| <b>STD. NAME</b> | <b>STD REF.#</b>                                |              |                       |
| ICAL Standard    | MP84636,MP84637,MP84638,MP84639,MP84640,MP84846 |              |                       |
| ICV Standard     | MP84643                                         |              |                       |
| CCV Standard     | MP84646                                         |              |                       |
| ICSA Standard    | MP84644,MP84721                                 |              |                       |
| CRI Standard     | MP84846                                         |              |                       |
| LCS Standard     |                                                 |              |                       |
| Chk Standard     | MP84649,MP84650                                 |              |                       |

|    |             |                   |          |                |                                                         |        |          |
|----|-------------|-------------------|----------|----------------|---------------------------------------------------------|--------|----------|
| 34 | Q1585-01L   | OK-02-03142025L   | SD       | 03/18/25 12:50 |                                                         | Kareem | OK       |
| 35 | Q1585-01MS  | OK-02-03142025MS  | MS       | 03/18/25 12:55 | 0.1 ml of M6013 and M6004 were added to 10 ml of sample | Kareem | OK       |
| 36 | Q1585-01MSD | OK-02-03142025MSD | MSD      | 03/18/25 12:59 | 0.1 ml of M6013 and M6004 were added to 10 ml of sample | Kareem | OK       |
| 37 | CCV03       | CCV03             | CCV      | 03/18/25 13:07 |                                                         | Kareem | OK       |
| 38 | CCB03       | CCB03             | CCB      | 03/18/25 13:13 |                                                         | Kareem | OK       |
| 39 | Q1585-01A   | OK-02-03142025A   | PS       | 03/18/25 13:17 | 0.1 ml of M6013 and M6004 were added to 10 ml of sample | Kareem | OK       |
| 40 | Q1574-02L   | WC1L              | SD       | 03/18/25 13:32 | NOT USE                                                 | Kareem | Not Ok   |
| 41 | Q1574-01DL  | WC1DL             | SAM      | 03/18/25 13:41 | 20X for Cr,Cu,Fe,Ag,Zn                                  | Kareem | Confirms |
| 42 | LR1         | LR1               | HIGH STD | 03/18/25 13:45 |                                                         | Kareem | OK       |
| 43 | LR2         | LR2               | HIGH STD | 03/18/25 13:50 |                                                         | Kareem | OK       |
| 44 | Q1590-02    | 20071             | SAM      | 03/18/25 13:54 |                                                         | Kareem | OK       |
| 45 | Q1590-02DUP | 20071DUP          | DUP      | 03/18/25 13:58 |                                                         | Kareem | OK       |
| 46 | Q1590-02L   | 20071L            | SD       | 03/18/25 14:03 |                                                         | Kareem | OK       |
| 47 | CCV04       | CCV04             | CCV      | 03/18/25 14:07 |                                                         | Kareem | OK       |
| 48 | CCB04       | CCB04             | CCB      | 03/18/25 14:20 |                                                         | Kareem | OK       |
| 49 | Q1590-02MS  | 20071MS           | MS       | 03/18/25 14:24 | 0.1 ml of M6013 and M6004 were added to 10 ml of sample | Kareem | OK       |



Instrument ID: P4

**Daily Analysis Runlog For Sequence/QC Batch ID # LB135083**

| Review By     | kareem                                          | Review On    | 3/19/2025 10:45:13 AM |
|---------------|-------------------------------------------------|--------------|-----------------------|
| Supervise By  | jaswal                                          | Supervise On | 3/20/2025 11:14:55 AM |
| STD. NAME     | STD REF.#                                       |              |                       |
| ICAL Standard | MP84636,MP84637,MP84638,MP84639,MP84640,MP84846 |              |                       |
| ICV Standard  | MP84643                                         |              |                       |
| CCV Standard  | MP84646                                         |              |                       |
| ICSA Standard | MP84644,MP84721                                 |              |                       |
| CRI Standard  | MP84846                                         |              |                       |
| LCS Standard  |                                                 |              |                       |
| Chk Standard  | MP84649,MP84650                                 |              |                       |

|    |             |                  |     |                |                                                         |        |    |
|----|-------------|------------------|-----|----------------|---------------------------------------------------------|--------|----|
| 50 | Q1590-02MSD | 20071MSD         | MSD | 03/18/25 14:28 | 0.1 ml of M6013 and M6004 were added to 10 ml of sample | Kareem | OK |
| 51 | Q1590-02A   | 20071A           | PS  | 03/18/25 14:32 | 0.1 ml of M6013 and M6004 were added to 10 ml of sample | Kareem | OK |
| 52 | Q1592-01    | OILY-DEBRIS-COMP | SAM | 03/18/25 14:37 | % Solids Missing                                        | Kareem | OK |
| 53 | PB167179BL  | PB167179BL       | MB  | 03/18/25 14:41 |                                                         | Kareem | OK |
| 54 | PB167179BS  | PB167179BS       | LCS | 03/18/25 14:45 | 0.1 ml of M6013 and M6004 were added to 10 ml of sample | Kareem | OK |
| 55 | CCV05       | CCV05            | CCV | 03/18/25 14:49 |                                                         | Kareem | OK |
| 56 | CCB05       | CCB05            | CCB | 03/18/25 14:53 |                                                         | Kareem | OK |

SOP ID : M3010A-Digestion-17

SDG No : N/A

Matrix : WATER

Pipette ID: ICP A

Balance ID : N/A

Filter paper ID : N/A

pH Strip ID : M6069

Hood ID : #3

Block ID: 1. HOT BLOCK #1 2. N/A

Start Digest Date: 03/17/2025 Time : 12:05 Temp : 96 °C

End Digest Date: 03/17/2025 Time : 15:10 Temp : 96 °C

Digestion tube ID: M5595

Block thermometer ID: MET-DIG. #1

Dig Technician Signature: *SKS*

Supervisor Signature: *JP*

Temp : 1. 96°C 2. N/A

| Standard Name | MLS USED | STD REF. # FROM LOG |
|---------------|----------|---------------------|
| LFS-1         | 1.00     | M6003               |
| LFS-2         | 1.00     | M6012               |
| 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 |
|---------------|----------------|------------|
| Conc. HNO3    | 3.00           | M6158      |
| 1:1 HCL       | 5.00           | MP84720    |
| N/A           | N/A            | N/A        |
| N/A           | N/A            | N/A        |
| N/A           | N/A            | N/A        |
| N/A           | N/A            | N/A        |
| N/A           | N/A            | N/A        |
| N/A           | N/A            | N/A        |
| N/A           | N/A            | N/A        |
| N/A           | N/A            | N/A        |

Extraction Conformance/Non-Conformance Comments:

HOT BLOCK # 1 CELL #50 Temp :96 C

| Date / Time    | Prepped Sample Relinquished By/Location | Received By/Location |
|----------------|-----------------------------------------|----------------------|
| 03/17/25 16:10 | <i>SKS met dig</i>                      | <i>JP met dig</i>    |
|                | Preparation Group                       | Analysis Group       |

| Lab Sample ID | Client Sample ID       | pH | Initial Vol (ml) | Final Vol (ml) | Color Before | Color After | Clarity Before | Clarity After | Comment     | Prep Pos |
|---------------|------------------------|----|------------------|----------------|--------------|-------------|----------------|---------------|-------------|----------|
| PB167133TB    | PB167133TB             | <2 | 5                | 25             | Colorless    | Colorless   | Clear          | Clear         | N/A         | 1        |
| PB167161BL    | PBW161                 | <2 | 5                | 25             | Colorless    | Colorless   | Clear          | Clear         | N/A         | 2        |
| PB167161BS    | LCS161                 | <2 | 5                | 25             | Colorless    | Colorless   | Clear          | Clear         | M6003,M6012 | 3        |
| Q1568-04MS    | JC-03-03132025MS       | <2 | 5                | 25             | Colorless    | Colorless   | Clear          | Clear         | M6003,M6012 | 6        |
| Q1568-04MSD   | JC-03-03132025MSD      | <2 | 5                | 25             | Colorless    | Colorless   | Clear          | Clear         | M6003,M6012 | 7        |
| Q1568-04DUP   | JC-03-03132025DUP      | <2 | 5                | 25             | Colorless    | Colorless   | Clear          | Clear         | N/A         | 5        |
| Q1568-04      | JC-03-03132025         | <2 | 5                | 25             | Colorless    | Colorless   | Clear          | Clear         | N/A         | 4        |
| Q1569-02      | TAP-IDW-SOIL-031325-01 | <2 | 5                | 25             | Colorless    | Colorless   | Clear          | Clear         | N/A         | 8        |
| Q1569-05      | TAP-IDW-SOIL-031325-02 | <2 | 5                | 25             | Colorless    | Colorless   | Clear          | Clear         | N/A         | 9        |
| Q1574-02      | WC1                    | <2 | 5                | 25             | Colorless    | Colorless   | Clear          | Clear         | N/A         | 10       |

SOP ID : M7470A-Mercury-19

SDG No : NA

Matrix : WATER

Pipette ID : HG A

Balance ID : N/A

Filter paper ID : NA

pH Strip ID : M6069

Hood ID : #1

Block ID : 1. HG HOT BLOCK#3 2. N/A

Start Digest Date: 03/17/2025 Time : 10:35 Temp : 94 °C

End Digest Date: 03/17/2025 Time : 12:35 Temp : 95 °C

Digestion tube ID: M5595

Block thermometer ID: HG-DIG#3

Dig Technician Signature:

Supervisor Signature:

Temp : 1. 94°C 2. N/A

| Standardized Name | MLS USED | STD REF. # FROM LOG |
|-------------------|----------|---------------------|
| ICV               | 30mL     | MP84889             |
| CCV               | 30mL     | MP84891             |
| CRA               | 30mL     | MP84893             |
| Blank Spike       | 0.48mL   | MP84881             |
| Matrix Spike      | 0.48mL   | MP84881             |

| Chemical Used           | ML/SAMPLE USED | Lot Number |
|-------------------------|----------------|------------|
| HNO3/H2SO4(1:2)         | 2.5mL          | MP84563    |
| KMnO4 (5%)              | 4.5mL          | MP84564    |
| K2S2O8 (5%)             | 2.5mL          | MP84565    |
| Hydroxylamine HCL (12%) | 2.0mL          | MP84566    |
| N/A                     | N/A            | N/A        |
| N/A                     | N/A            | N/A        |
| N/A                     | N/A            | N/A        |
| N/A                     | N/A            | N/A        |
| N/A                     | N/A            | N/A        |
| N/A                     | N/A            | N/A        |
| N/A                     | N/A            | N/A        |

| LAB SAMPLE ID | CLIENT SAMPLE ID | Wt(g)/Vol(ml) | Comment |
|---------------|------------------|---------------|---------|
| 0.0 ppb       | S0               | 30mL          | MP84882 |
| 0.05 ppb      | S0.05            | N/A           | N/A     |
| 0.2 ppb       | S0.2             | 30mL          | MP84883 |
| 2.5 ppb       | S2.5             | 30mL          | MP84884 |
| 5.0 ppb       | S5.0             | 30mL          | MP84885 |
| 7.5 ppb       | S7.5             | 30mL          | MP84886 |
| 10.0 ppb      | S10.0            | 30mL          | MP84887 |
| ICV           | ICV              | 30mL          | MP84889 |
| ICB           | ICB              | 30mL          | MP84890 |
| CCV           | CCV              | 30mL          | MP84891 |
| CCB           | CCB              | 30mL          | MP84892 |
| CRI           | CRI              | 30mL          | MP84893 |
| CHK STD       | CHK STD          | 30mL          | MP84894 |

Extraction Conformance/Non-Conformance Comments:

| N/A           |                                         |                      |
|---------------|-----------------------------------------|----------------------|
| Date / Time   | Prepped Sample Relinquished By/Location | Received By/Location |
| 3/17/25 09:05 | MB - N/A                                | MB - N/A             |
|               | Preparation Group                       | Analysis Group       |

| Lab Sample ID | Client Sample ID       | Initial Vol (ml) | Final Vol (ml) | pH | Comment | Prep Pos |
|---------------|------------------------|------------------|----------------|----|---------|----------|
| PB167133TB    | PB167133TB             | 3                | 30             | <2 | N/A     | 3-1      |
| PB167166BL    | PBW166                 | 30               | 30             | <2 | N/A     | 2        |
| PB167166BS    | LCS166                 | 30               | 30             | <2 | MP84881 | 3        |
| Q1568-04DUP   | JC-03-03132025DUP      | 3                | 30             | <2 | N/A     | 5        |
| Q1568-04MS    | JC-03-03132025MS       | 3                | 30             | <2 | MP84881 | 6        |
| Q1568-04MSD   | JC-03-03132025MSD      | 3                | 30             | <2 | MP84881 | 7        |
| Q1568-04      | JC-03-03132025         | 3                | 30             | <2 | N/A     | 4        |
| Q1569-02      | TAP-IDW-SOIL-031325-01 | 3                | 30             | <2 | N/A     | 8        |
| Q1569-05      | TAP-IDW-SOIL-031325-02 | 3                | 30             | <2 | N/A     | 9        |
| Q1574-02      | WC1                    | 3                | 30             | <2 | N/A     | 10       |

SOP ID : M1311-TCLP-15

SDG No : N/A

Weigh By : JP

Balance ID : WC SC-7

pH Meter ID : WC PH METER-1

Extraction By : JP

Filter By : JP

Pipette ID : WC

Tumbler ID : T-1

TCLP Filter ID : 115525

Start Prep Date : 03/14/2025 Time : 14:00

End Prep Date : 03/15/2025 Time : 08:30

Combination Ratio : 20

ZHE Cleaning Batch : <sup>18</sup>N/A

Initial Room Temperature: 23 °C

Final Room Temperature: 22 °C

TCLP Technician Signature : <sup>18</sup>

Supervisor By : <sup>12</sup>

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

| Chemical Used        | ML/SAMPLE U | Lot Number               |
|----------------------|-------------|--------------------------|
| TCLP-FLUID-1         | N/A         | WP110802                 |
| HCL-TCLP,1N          | N/A         | WP110803                 |
| HNO3-TCLP,1N         | N/A         | WP110804                 |
| pH Strips            | W3172.      | W1931,W1934,W3171,W3172  |
| N/A                  | W1941,W1942 | W3166,W1938,W1939,W1940, |
| 1 Liter Amber        | N/A         | 90424-08                 |
| 120ml Plastic bottle | N/A         | 405130101                |
| 1:1 HNO3             | N/A         | MP84041                  |

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

Matrix spikes are added after filtration and before preservation. TUMBLER T-1 checked.30 rpm. Particle size reduction is not required. q1568-04 is used for MS-MSD.

| Date / Time    | Prepped Sample Relinquished By/Location | Received By/Location |
|----------------|-----------------------------------------|----------------------|
| 03/17/25 10:00 | <sup>18</sup> / TCLP Room               | <sup>18</sup> / Ext  |
|                | Preparation Group                       | Analysis Group       |

<sup>12</sup> met n'g

## TCLP EXTRACTION LOGPAGE

PB167133

| Sample ID  | ClientID               | TCLP Vessel ID | Sample Wt (g) | Volume Extraction Fluid #1 (mL) | Multi phasic | Phase Miscible | Phases Combined | Final Leachate PH | Metals Leachate Adj. PH | Prep Pos |
|------------|------------------------|----------------|---------------|---------------------------------|--------------|----------------|-----------------|-------------------|-------------------------|----------|
| PB167133TB | LEB133                 | 06             | N/A           | 2000                            | N/A          | N/A            | N/A             | 4.93              | 1.0                     | T-1      |
| Q1507-04   | 50-MIDDLESEX-AVE       | 01             | 100.03        | 2000                            | N/A          | N/A            | N/A             | 4.5               | 1.5                     | T-1      |
| Q1568-04   | JC-03-03132025         | 02             | 100.02        | 2000                            | N/A          | N/A            | N/A             | 5.5               | 1.0                     | T-1      |
| Q1569-02   | TAP-IDW-SOIL-031325-01 | 03             | 100.01        | 2000                            | N/A          | N/A            | N/A             | 3.5               | 1.5                     | T-1      |
| Q1569-05   | TAP-IDW-SOIL-031325-02 | 04             | 100.02        | 2000                            | N/A          | N/A            | N/A             | 7.6               | 1.0                     | T-1      |
| Q1574-02   | WC1                    | 05             | 100.03        | 2000                            | N/A          | N/A            | N/A             | 4.5               | 1.5                     | T-1      |

| SampleID   | ClientID               | Sample Weight (g) | Filter Weight (g) | Filtrate (mL) | Filter + Solid (After 100°C) | % solids | % Dry Solids |
|------------|------------------------|-------------------|-------------------|---------------|------------------------------|----------|--------------|
| PB167133TB | LEB133                 | N/A               | N/A               | N/A           | N/A                          | N/A      | N/A          |
| Q1507-04   | 50-MIDDLESEX-AVE       | N/A               | N/A               | N/A           | N/A                          | 100      | N/A          |
| Q1568-04   | JC-03-03132025         | N/A               | N/A               | N/A           | N/A                          | 100      | N/A          |
| Q1569-02   | TAP-IDW-SOIL-031325-01 | N/A               | N/A               | N/A           | N/A                          | 100      | N/A          |
| Q1569-05   | TAP-IDW-SOIL-031325-02 | N/A               | N/A               | N/A           | N/A                          | 100      | N/A          |
| Q1574-02   | WC1                    | N/A               | N/A               | N/A           | N/A                          | 100      | N/A          |



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

Thermometer ID : FLASHPOINT

| SampleID   | ClientID               | Sample Weight (g) | Volume DI Water (mL) | PH after 5 min stir | PH after 10 min stir | Extraction Fluid 1 or 2 | pH Extraction Fluid |
|------------|------------------------|-------------------|----------------------|---------------------|----------------------|-------------------------|---------------------|
| PB167133TB | LEB133                 | N/A               | N/A                  | N/A                 | N/A                  | #1                      | 4.93                |
| Q1507-04   | 50-MIDDLESEX-AVE       | 5.02              | 96.5                 | 7.0                 | 2.5                  | #1                      | 4.93                |
| Q1568-04   | JC-03-03132025         | 5.01              | 96.5                 | 7.0                 | 2.5                  | #1                      | 4.93                |
| Q1569-02   | TAP-IDW-SOIL-031325-01 | 5.03              | 96.5                 | 6.8                 | 2.0                  | #1                      | 4.93                |
| Q1569-05   | TAP-IDW-SOIL-031325-02 | 5.04              | 96.5                 | 10.0                | 4.0                  | #1                      | 4.93                |
| Q1574-02   | WC1                    | 5.03              | 96.5                 | 6.8                 | 2.0                  | #1                      | 4.93                |



# SAMPLE DATA

## Report of Analysis

|                   |                 |                 |                |
|-------------------|-----------------|-----------------|----------------|
| Client:           | G Environmental | Date Collected: | 03/12/25 12:55 |
| Project:          | Ave L           | Date Received:  | 03/14/25       |
| Client Sample ID: | WC1             | SDG No.:        | Q1574          |
| Lab Sample ID:    | Q1574-01        | Matrix:         | SOIL           |
|                   |                 | % Solid:        | 100            |

| Parameter | Conc. | Qua. | DF | MDL | LOQ / CRQL | Units | Prep Date | Date Ana.      | Ana Met. |
|-----------|-------|------|----|-----|------------|-------|-----------|----------------|----------|
| pH        | 6.76  | H    | 1  | 0   | 0          | pH    |           | 03/14/25 15:35 | 9045D    |

Comments: pH result reported at temperature 22.2 °C

U = Not Detected  
 LOQ = Limit of Quantitation  
 MDL = Method Detection Limit  
 LOD = Limit of Detection  
 D = Dilution  
 Q = indicates LCS control criteria did not meet requirements  
 H = Sample Analysis Out Of Hold Time

J = Estimated Value  
 B = Analyte Found in Associated Method Blank  
 \* = indicates the duplicate analysis is not within control limits.  
 E = Indicates the reported value is estimated because of the presence of interference.  
 OR = Over Range  
 N =Spiked sample recovery not within control limits

## Report of Analysis

|                   |                 |                 |                |
|-------------------|-----------------|-----------------|----------------|
| Client:           | G Environmental | Date Collected: | 03/12/25 12:55 |
| Project:          | Ave L           | Date Received:  | 03/14/25       |
| Client Sample ID: | WC1             | SDG No.:        | Q1574          |
| Lab Sample ID:    | Q1574-02        | Matrix:         | SOIL           |
|                   |                 | % Solid:        | 100            |

| Parameter        | Conc. | Qua. | DF | MDL   | LOQ / CRQL | Units | Prep Date      | Date Ana.      | Ana Met. |
|------------------|-------|------|----|-------|------------|-------|----------------|----------------|----------|
| Corrosivity      | 6.76  | H    | 1  | 0     | 0          | pH    |                | 03/14/25 15:35 | 9045D    |
| Ignitability     | NO    |      | 1  | 0     | 0          | oC    |                | 03/14/25 12:38 | 1030     |
| Reactive Cyanide | 0.042 | U    | 1  | 0.042 | 0.24       | mg/Kg | 03/14/25 13:50 | 03/14/25 15:50 | 9012B    |
| Reactive Sulfide | 3.17  | J    | 1  | 0.20  | 10.0       | mg/Kg | 03/17/25 15:20 | 03/18/25 11:58 | 9034     |

Comments: pH result reported at temperature 22.2 °C

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

H = Sample Analysis Out Of Hold Time

J = Estimated Value

B = Analyte Found in Associated Method Blank

\* = indicates the duplicate analysis is not within control limits.

E = Indicates the reported value is estimated because of the presence of interference.

OR = Over Range

N =Spiked sample recovery not within control limits



# QC RESULT SUMMARY

### Initial and Continuing Calibration Verification

**Client:** G Environmental

**SDG No.:** Q1574

**Project:** Ave L

**RunNo.:** LB135039

| Analyte                      | Units | Result | True Value | % Recovery | Acceptance Window (%R) | Analysis Date |
|------------------------------|-------|--------|------------|------------|------------------------|---------------|
| Sample ID: <b>ICV</b><br>pH  | pH    | 6.99   | 7          | 100        | 90-110                 | 03/14/2025    |
| Sample ID: <b>CCV1</b><br>pH | pH    | 2.01   | 2.00       | 101        | 90-110                 | 03/14/2025    |
| Sample ID: <b>CCV2</b><br>pH | pH    | 12.02  | 12.00      | 100        | 90-110                 | 03/14/2025    |

## Initial and Continuing Calibration Verification

**Client:** G Environmental

**SDG No.:** Q1574

**Project:** Ave L

**RunNo.:** LB135040

| Analyte                   |      | Units | Result | True Value | %<br>Recovery | Acceptance<br>Window (%R) | Analysis<br>Date |
|---------------------------|------|-------|--------|------------|---------------|---------------------------|------------------|
| Sample ID:<br>Corrosivity | ICV  | pH    | 6.99   | 7          | 100           | 90-110                    | 03/14/2025       |
| Sample ID:<br>Corrosivity | CCV1 | pH    | 2.01   | 2.00       | 101           | 90-110                    | 03/14/2025       |
| Sample ID:<br>Corrosivity | CCV2 | pH    | 12.02  | 12.00      | 100           | 90-110                    | 03/14/2025       |

## Initial and Continuing Calibration Verification

**Client:** G Environmental

**SDG No.:** Q1574

**Project:** Ave L

**RunNo.:** LB135043

| Analyte                                    | Units | Result | True Value | %<br>Recovery | Acceptance<br>Window (%R) | Analysis<br>Date |
|--------------------------------------------|-------|--------|------------|---------------|---------------------------|------------------|
| Sample ID: <b>ICV1</b><br>Reactive Cyanide | mg/L  | 0.092  | 0.099      | 93            | 85-115                    | 03/14/2025       |
| Sample ID: <b>CCV1</b><br>Reactive Cyanide | mg/L  | 0.24   | 0.25       | 96            | 90-110                    | 03/14/2025       |
| Sample ID: <b>CCV2</b><br>Reactive Cyanide | mg/L  | 0.24   | 0.25       | 96            | 90-110                    | 03/14/2025       |
| Sample ID: <b>CCV3</b><br>Reactive Cyanide | mg/L  | 0.25   | 0.25       | 100           | 90-110                    | 03/14/2025       |



### Initial and Continuing Calibration Blank Summary

**Client:** G Environmental

**SDG No.:** Q1574

**Project:** Ave L

**RunNo.:** LB135043

| Analyte                                    | Units | Result   | Acceptance Limits | Conc Qual | MDL     | RDL   | Analysis Date |
|--------------------------------------------|-------|----------|-------------------|-----------|---------|-------|---------------|
| Sample ID: <b>ICB1</b><br>Reactive Cyanide | mg/L  | < 0.0025 | 0.0025            | U         | 0.00099 | 0.005 | 03/14/2025    |
| Sample ID: <b>CCB1</b><br>Reactive Cyanide | mg/L  | < 0.0025 | 0.0025            | U         | 0.00099 | 0.005 | 03/14/2025    |
| Sample ID: <b>CCB2</b><br>Reactive Cyanide | mg/L  | < 0.0025 | 0.0025            | U         | 0.00099 | 0.005 | 03/14/2025    |
| Sample ID: <b>CCB3</b><br>Reactive Cyanide | mg/L  | < 0.0025 | 0.0025            | U         | 0.00099 | 0.005 | 03/14/2025    |

### Preparation Blank Summary

**Client:** G Environmental

**SDG No.:** Q1574

**Project:** Ave L

| Analyte                      | Units | Result   | Acceptance<br>Limits | Conc<br>Qual | MDL   | RDL  | Analysis<br>Date |
|------------------------------|-------|----------|----------------------|--------------|-------|------|------------------|
| Sample ID: <b>PB167122BL</b> |       |          |                      |              |       |      |                  |
| Reactive Cyanide             | mg/Kg | < 0.1250 | 0.1250               | U            | 0.044 | 0.25 | 03/14/2025       |
| Sample ID: <b>PB167149BL</b> |       |          |                      |              |       |      |                  |
| Reactive Sulfide             | mg/Kg | < 5.0000 | 5.0000               | U            | 0.201 | 10   | 03/18/2025       |

## Duplicate Sample Summary

|                   |                      |                                         |          |
|-------------------|----------------------|-----------------------------------------|----------|
| <b>Client:</b>    | G Environmental      | <b>SDG No.:</b>                         | Q1574    |
| <b>Project:</b>   | Ave L                | <b>Sample ID:</b>                       | Q1547-05 |
| <b>Client ID:</b> | OR-620-JB-COMP-01DUP | <b>Percent Solids for Spike Sample:</b> | 100      |

| Analyte          | Units | Acceptance<br>Limit | Sample<br>Result | Conc.<br>Qualifier | Duplicate<br>Result | Conc.<br>Qualifier | Dilution<br>Factor | RPD/<br>AD | Qual | Analysis<br>Date |
|------------------|-------|---------------------|------------------|--------------------|---------------------|--------------------|--------------------|------------|------|------------------|
| Reactive Cyanide | mg/Kg | +/-20               | 0.042            | U                  | 0.043               | U                  | 1                  | 0          |      | 03/14/2025       |

## Duplicate Sample Summary

|                                                                                                |                                                                                                   |
|------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|
| <b>Client:</b> G Environmental<br><b>Project:</b> Ave L<br><b>Client ID:</b> JC-03-03132025DUP | <b>SDG No.:</b> Q1574<br><b>Sample ID:</b> Q1568-01<br><b>Percent Solids for Spike Sample:</b> 93 |
|------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|

| Analyte      | Units | Acceptance<br>Limit | Sample<br>Result | Conc.<br>Qualifier | Duplicate<br>Result | Conc.<br>Qualifier | Dilution<br>Factor | RPD/<br>AD | Qual | Analysis<br>Date |
|--------------|-------|---------------------|------------------|--------------------|---------------------|--------------------|--------------------|------------|------|------------------|
| Ignitability | oC    | +/-20               | NO               |                    | NO                  |                    | 1                  | 0          |      | 03/14/2025       |

## Duplicate Sample Summary

|                   |                   |                                         |          |
|-------------------|-------------------|-----------------------------------------|----------|
| <b>Client:</b>    | G Environmental   | <b>SDG No.:</b>                         | Q1574    |
| <b>Project:</b>   | Ave L             | <b>Sample ID:</b>                       | Q1568-04 |
| <b>Client ID:</b> | JC-03-03132025DUP | <b>Percent Solids for Spike Sample:</b> | 100      |

| Analyte          | Units | Acceptance<br>Limit | Sample<br>Result | Conc.<br>Qualifier | Duplicate<br>Result | Conc.<br>Qualifier | Dilution<br>Factor | RPD/<br>AD | Qual | Analysis<br>Date |
|------------------|-------|---------------------|------------------|--------------------|---------------------|--------------------|--------------------|------------|------|------------------|
| Reactive Sulfide | mg/Kg | +/-20               | 1.59             | J                  | 1.59                | J                  | 1                  | 0          |      | 03/18/2025       |

## Duplicate Sample Summary

|                   |                 |                                         |          |
|-------------------|-----------------|-----------------------------------------|----------|
| <b>Client:</b>    | G Environmental | <b>SDG No.:</b>                         | Q1574    |
| <b>Project:</b>   | Ave L           | <b>Sample ID:</b>                       | Q1574-01 |
| <b>Client ID:</b> | WC1DUP          | <b>Percent Solids for Spike Sample:</b> | 98       |

| Analyte | Units | Acceptance<br>Limit | Sample<br>Result | Conc.<br>Qualifier | Duplicate<br>Result | Conc.<br>Qualifier | Dilution<br>Factor | RPD/<br>AD | Qual | Analysis<br>Date |
|---------|-------|---------------------|------------------|--------------------|---------------------|--------------------|--------------------|------------|------|------------------|
| pH      | pH    | +/-20               | 6.76             |                    | 6.77                |                    | 1                  | 0.15       |      | 03/14/2025       |

## Duplicate Sample Summary

|                   |                 |                                         |          |
|-------------------|-----------------|-----------------------------------------|----------|
| <b>Client:</b>    | G Environmental | <b>SDG No.:</b>                         | Q1574    |
| <b>Project:</b>   | Ave L           | <b>Sample ID:</b>                       | Q1574-02 |
| <b>Client ID:</b> | WC1DUP          | <b>Percent Solids for Spike Sample:</b> | 100      |

| Analyte     | Units | Acceptance<br>Limit | Sample<br>Result | Conc.<br>Qualifier | Duplicate<br>Result | Conc.<br>Qualifier | Dilution<br>Factor | RPD/<br>AD | Qual | Analysis<br>Date |
|-------------|-------|---------------------|------------------|--------------------|---------------------|--------------------|--------------------|------------|------|------------------|
| Corrosivity | pH    | +/-20               | 6.76             |                    | 6.77                |                    | 1                  | 0.15       |      | 03/14/2025       |

**Instrument ID:** FLAME

**Daily Analysis Runlog For Sequence/QC Batch ID # LB135032**

|                  |                  |              |                      |
|------------------|------------------|--------------|----------------------|
| Review By        | rubina           | Review On    | 3/14/2025 2:42:23 PM |
| Supervise By     | Iwona            | Supervise On | 3/14/2025 2:44:17 PM |
| SubDirectory     | LB135032         | Test         | Ignitability         |
| <b>STD. NAME</b> | <b>STD REF.#</b> |              |                      |
| ICAL Standard    | N/A              |              |                      |
| ICV Standard     | N/A              |              |                      |
| CCV Standard     | N/A              |              |                      |
| ICSA Standard    | N/A              |              |                      |
| CRI Standard     | N/A              |              |                      |
| LCS Standard     | N/A              |              |                      |
| Chk Standard     | N/A              |              |                      |

| Sr# | SampleId    | ClientID           | QcType | Date           | Comment | Operator | Status |
|-----|-------------|--------------------|--------|----------------|---------|----------|--------|
| 1   | Q1568-01    | JC-03-03132025     | SAM    | 03/14/25 12:00 |         | rubina   | OK     |
| 2   | Q1568-01DUP | JC-03-03132025DUP  | DUP    | 03/14/25 12:08 |         | rubina   | OK     |
| 3   | Q1568-04    | JC-03-03132025     | SAM    | 03/14/25 12:16 |         | rubina   | OK     |
| 4   | Q1569-01    | TAP-IDW-SOIL-03132 | SAM    | 03/14/25 12:24 |         | rubina   | OK     |
| 5   | Q1569-04    | TAP-IDW-SOIL-03132 | SAM    | 03/14/25 12:31 |         | rubina   | OK     |
| 6   | Q1574-02    | WC1                | SAM    | 03/14/25 12:38 |         | rubina   | OK     |



**Instrument ID:** WC PH METER-1

**Daily Analysis Runlog For Sequence/QC Batch ID # LB135039**

|                  |                                     |              |                      |
|------------------|-------------------------------------|--------------|----------------------|
| Review By        | jignesh                             | Review On    | 3/14/2025 3:25:50 PM |
| Supervise By     | Iwona                               | Supervise On | 3/14/2025 4:17:01 PM |
| SubDirectory     | LB135039                            | Test         | pH                   |
| <b>STD. NAME</b> | <b>STD REF.#</b>                    |              |                      |
| ICAL Standard    | N/A                                 |              |                      |
| ICV Standard     | N/A                                 |              |                      |
| CCV Standard     | N/A                                 |              |                      |
| ICSA Standard    | N/A                                 |              |                      |
| CRI Standard     | N/A                                 |              |                      |
| LCS Standard     | N/A                                 |              |                      |
| Chk Standard     | W3107,W3093,W3094,W3071,W3161,W3072 |              |                      |

| Sr# | SampleId    | ClientID           | QcType | Date           | Comment | Operator | Status |
|-----|-------------|--------------------|--------|----------------|---------|----------|--------|
| 1   | CAL1        | CAL1               | CAL    | 03/14/25 14:40 |         | Jignesh  | OK     |
| 2   | CAL2        | CAL2               | CAL    | 03/14/25 14:41 |         | Jignesh  | OK     |
| 3   | CAL3        | CAL3               | CAL    | 03/14/25 14:45 |         | Jignesh  | OK     |
| 4   | ICV         | ICV                | ICV    | 03/14/25 14:50 |         | Jignesh  | OK     |
| 5   | CCV1        | CCV1               | CCV    | 03/14/25 15:00 |         | Jignesh  | OK     |
| 6   | Q1569-01    | TAP-IDW-SOIL-03132 | SAM    | 03/14/25 15:10 |         | Jignesh  | OK     |
| 7   | Q1569-04    | TAP-IDW-SOIL-03132 | SAM    | 03/14/25 15:20 |         | Jignesh  | OK     |
| 8   | Q1574-01    | WC1                | SAM    | 03/14/25 15:35 |         | Jignesh  | OK     |
| 9   | Q1574-01DUP | WC1DUP             | DUP    | 03/14/25 15:36 |         | Jignesh  | OK     |
| 10  | CCV2        | CCV2               | CCV    | 03/14/25 15:40 |         | Jignesh  | OK     |

**Instrument ID:** WC PH METER-1

**Daily Analysis Runlog For Sequence/QC Batch ID # LB135040**

|                  |                                     |              |                      |
|------------------|-------------------------------------|--------------|----------------------|
| Review By        | jignesh                             | Review On    | 3/14/2025 3:32:03 PM |
| Supervise By     | Iwona                               | Supervise On | 3/14/2025 4:16:50 PM |
| SubDirectory     | LB135040                            | Test         | Corrosivity          |
| <b>STD. NAME</b> | <b>STD REF.#</b>                    |              |                      |
| ICAL Standard    | N/A                                 |              |                      |
| ICV Standard     | N/A                                 |              |                      |
| CCV Standard     | N/A                                 |              |                      |
| ICSA Standard    | N/A                                 |              |                      |
| CRI Standard     | N/A                                 |              |                      |
| LCS Standard     | N/A                                 |              |                      |
| Chk Standard     | W3107,W3093,W3094,W3071,W3161,W3072 |              |                      |

| Sr# | SampleId    | ClientID       | QcType | Date           | Comment | Operator | Status |
|-----|-------------|----------------|--------|----------------|---------|----------|--------|
| 1   | CAL1        | CAL1           | CAL    | 03/14/25 14:40 |         | Jignesh  | OK     |
| 2   | CAL2        | CAL2           | CAL    | 03/14/25 14:41 |         | Jignesh  | OK     |
| 3   | CAL3        | CAL3           | CAL    | 03/14/25 14:45 |         | Jignesh  | OK     |
| 4   | ICV         | ICV            | ICV    | 03/14/25 14:50 |         | Jignesh  | OK     |
| 5   | CCV1        | CCV1           | CCV    | 03/14/25 15:00 |         | Jignesh  | OK     |
| 6   | Q1568-04    | JC-03-03132025 | SAM    | 03/14/25 15:15 |         | Jignesh  | OK     |
| 7   | Q1574-02    | WC1            | SAM    | 03/14/25 15:35 |         | Jignesh  | OK     |
| 8   | Q1574-02DUP | WC1DUP         | DUP    | 03/14/25 15:36 |         | Jignesh  | OK     |
| 9   | CCV2        | CCV2           | CCV    | 03/14/25 15:40 |         | Jignesh  | OK     |

Instrument ID: KONELAB

**Daily Analysis Runlog For Sequence/QC Batch ID # LB135043**

|                  |                                                                |              |                       |
|------------------|----------------------------------------------------------------|--------------|-----------------------|
| Review By        | Niha                                                           | Review On    | 3/17/2025 10:58:12 AM |
| Supervise By     | Iwona                                                          | Supervise On | 3/17/2025 1:34:00 PM  |
| SubDirectory     | LB135043                                                       | Test         | Reactive Cyanide      |
| <b>STD. NAME</b> | <b>STD REF.#</b>                                               |              |                       |
| ICAL Standard    | WP112310,WP112311,WP112312,WP112313,WP112314,WP112315,WP112316 |              |                       |
| ICV Standard     | WP112318                                                       |              |                       |
| CCV Standard     | WP112311                                                       |              |                       |
| ICSA Standard    | N/A                                                            |              |                       |
| CRI Standard     | N/A                                                            |              |                       |
| LCS Standard     | N/A                                                            |              |                       |
| Chk Standard     | WP111035,WP110103,WP112317                                     |              |                       |

| Sr# | SampleId    | ClientID           | QcType | Date           | Comment | Operator | Status |
|-----|-------------|--------------------|--------|----------------|---------|----------|--------|
| 1   | 0.0PPBCN    | 0.0PPBCN           | CAL1   | 03/14/25 15:15 |         | Niha     | OK     |
| 2   | 5.0PPBCN    | 5.0PPBCN           | CAL2   | 03/14/25 15:15 |         | Niha     | OK     |
| 3   | 10PPBCN     | 10PPBCN            | CAL3   | 03/14/25 15:15 |         | Niha     | OK     |
| 4   | 50PPBCN     | 50PPBCN            | CAL4   | 03/14/25 15:15 |         | Niha     | OK     |
| 5   | 100PPBCN    | 100PPBCN           | CAL5   | 03/14/25 15:15 |         | Niha     | OK     |
| 6   | 250PPBCN    | 250PPBCN           | CAL6   | 03/14/25 15:15 |         | Niha     | OK     |
| 7   | 500PPBCN    | 500PPBCN           | CAL7   | 03/14/25 15:15 |         | Niha     | OK     |
| 8   | ICV1        | ICV1               | ICV    | 03/14/25 15:42 |         | Niha     | OK     |
| 9   | ICB1        | ICB1               | ICB    | 03/14/25 15:42 |         | Niha     | OK     |
| 10  | CCV1        | CCV1               | CCV    | 03/14/25 15:42 |         | Niha     | OK     |
| 11  | CCB1        | CCB1               | CCB    | 03/14/25 15:42 |         | Niha     | OK     |
| 12  | PB167122BL  | PB167122BL         | MB     | 03/14/25 15:42 |         | Niha     | OK     |
| 13  | Q1547-05    | OR-620-JB-COMP-01  | SAM    | 03/14/25 15:42 |         | Niha     | OK     |
| 14  | Q1547-05DUP | OR-620-JB-COMP-01  | DUP    | 03/14/25 15:42 |         | Niha     | OK     |
| 15  | Q1547-10    | OR-620-JB-COMP-02  | SAM    | 03/14/25 15:50 |         | Niha     | OK     |
| 16  | Q1552-05    | NB-418-JB-COMP-01  | SAM    | 03/14/25 15:50 |         | Niha     | OK     |
| 17  | Q1568-04    | JC-03-03132025     | SAM    | 03/14/25 15:50 |         | Niha     | OK     |
| 18  | Q1570-01    | TAP-IDW-SOIL-03132 | SAM    | 03/14/25 15:50 |         | Niha     | OK     |

Instrument ID: KONELAB

**Daily Analysis Runlog For Sequence/QC Batch ID # LB135043**

|                  |                                                                |              |                       |
|------------------|----------------------------------------------------------------|--------------|-----------------------|
| Review By        | Niha                                                           | Review On    | 3/17/2025 10:58:12 AM |
| Supervise By     | Iwona                                                          | Supervise On | 3/17/2025 1:34:00 PM  |
| SubDirectory     | LB135043                                                       | Test         | Reactive Cyanide      |
| <b>STD. NAME</b> | <b>STD REF.#</b>                                               |              |                       |
| ICAL Standard    | WP112310,WP112311,WP112312,WP112313,WP112314,WP112315,WP112316 |              |                       |
| ICV Standard     | WP112318                                                       |              |                       |
| CCV Standard     | WP112311                                                       |              |                       |
| ICSA Standard    | N/A                                                            |              |                       |
| CRI Standard     | N/A                                                            |              |                       |
| LCS Standard     | N/A                                                            |              |                       |
| Chk Standard     | WP111035,WP110103,WP112317                                     |              |                       |

|    |             |                    |     |                |  |      |    |
|----|-------------|--------------------|-----|----------------|--|------|----|
| 19 | Q1570-02    | TAP-IDW-SOIL-03132 | SAM | 03/14/25 15:50 |  | Niha | OK |
| 20 | Q1574-02    | WC1                | SAM | 03/14/25 15:50 |  | Niha | OK |
| 21 | PB167141BL  | PB167141BL         | MB  | 03/14/25 15:50 |  | Niha | OK |
| 22 | CCV2        | CCV2               | CCV | 03/14/25 15:50 |  | Niha | OK |
| 23 | CCB2        | CCB2               | CCB | 03/14/25 15:50 |  | Niha | OK |
| 24 | Q1563-01    | 437                | SAM | 03/14/25 15:54 |  | Niha | OK |
| 25 | Q1563-01DUP | 437DUP             | DUP | 03/14/25 15:54 |  | Niha | OK |
| 26 | Q1563-02    | FERNOT-WATER       | SAM | 03/14/25 15:54 |  | Niha | OK |
| 27 | Q1577-03    | MOO-25-0072        | SAM | 03/14/25 15:54 |  | Niha | OK |
| 28 | CCV3        | CCV3               | CCV | 03/14/25 15:57 |  | Niha | OK |
| 29 | CCB3        | CCB3               | CCB | 03/14/25 15:57 |  | Niha | OK |

**Instrument ID:** TITRAMETRIC

**Daily Analysis Runlog For Sequence/QC Batch ID # LB135069**

|                  |                   |              |                      |
|------------------|-------------------|--------------|----------------------|
| Review By        | rubina            | Review On    | 3/18/2025 1:01:07 PM |
| Supervise By     | Iwona             | Supervise On | 3/18/2025 1:17:49 PM |
| SubDirectory     | LB135069          | Test         | Reactive Sulfide     |
| <b>STD. NAME</b> | <b>STD REF.#</b>  |              |                      |
| ICAL Standard    | N/A               |              |                      |
| ICV Standard     | N/A               |              |                      |
| CCV Standard     | N/A               |              |                      |
| ICSA Standard    | N/A               |              |                      |
| CRI Standard     | N/A               |              |                      |
| LCS Standard     | N/A               |              |                      |
| Chk Standard     | W3105,W3114,W3149 |              |                      |

| Sr# | SampleId    | ClientID           | QcType | Date           | Comment | Operator | Status |
|-----|-------------|--------------------|--------|----------------|---------|----------|--------|
| 1   | PB167149BL  | PB167149BL         | MB     | 03/18/25 11:45 |         | rubina   | OK     |
| 2   | Q1568-04    | JC-03-03132025     | SAM    | 03/18/25 11:48 |         | rubina   | OK     |
| 3   | Q1568-04DUP | JC-03-03132025DUP  | DUP    | 03/18/25 11:50 |         | rubina   | OK     |
| 4   | Q1570-01    | TAP-IDW-SOIL-03132 | SAM    | 03/18/25 11:53 |         | rubina   | OK     |
| 5   | Q1570-02    | TAP-IDW-SOIL-03132 | SAM    | 03/18/25 11:56 |         | rubina   | OK     |
| 6   | Q1574-02    | WC1                | SAM    | 03/18/25 11:58 |         | rubina   | OK     |
| 7   | Q1590-01    | 3794               | SAM    | 03/18/25 12:01 |         | rubina   | OK     |

## LAB CHRONICLE

|                 |                 |                   |                       |
|-----------------|-----------------|-------------------|-----------------------|
| <b>OrderID:</b> | Q1574           | <b>OrderDate:</b> | 3/14/2025 11:25:00 AM |
| <b>Client:</b>  | G Environmental | <b>Project:</b>   | Ave L                 |
| <b>Contact:</b> | Gary Landis     | <b>Location:</b>  | I41,VOA Ref. #2 Soil  |

| LabID           | ClientID   | Matrix      | Test             | Method | Sample Date               | Prep Date | Anal Date         | Received        |
|-----------------|------------|-------------|------------------|--------|---------------------------|-----------|-------------------|-----------------|
| <b>Q1574-01</b> | <b>WC1</b> | <b>SOIL</b> |                  |        | <b>03/12/25<br/>12:55</b> |           |                   | <b>03/14/25</b> |
|                 |            |             | pH               | 9045D  |                           |           | 03/14/25<br>15:35 |                 |
| <b>Q1574-02</b> | <b>WC1</b> | <b>SOIL</b> |                  |        | <b>03/12/25<br/>12:55</b> |           |                   | <b>03/14/25</b> |
|                 |            |             | Corrosivity      | 9045D  |                           |           | 03/14/25<br>15:35 |                 |
|                 |            |             | Ignitability     | 1030   |                           |           | 03/14/25<br>12:38 |                 |
|                 |            |             | Reactive Cyanide | 9012B  |                           | 03/14/25  | 03/14/25<br>15:50 |                 |
|                 |            |             | Reactive Sulfide | 9034   |                           | 03/17/25  | 03/18/25<br>11:58 |                 |

SOP ID : M9012B-Total, Amenable and Reactive Cyanide-20

SDG No : N/A

Start Digest Date: 03/14/2025 Time : 13:50 Temp : N/A

Matrix : SOIL

End Digest Date: 03/14/2025 Time : 15:20 Temp : N/A

Pipette ID : N/A

Balance ID : WC SC-7

Hood ID : HOOD#1

Digestion tube ID : M5595

Block Thermometer ID : N/A

Block ID : MC-1, MC-2

Filter paper ID : N/A

Prep Technician Signature: NF

Weigh By : NF

pH Meter ID : N/A

Supervisor Signature: 12

| Standardized Name | MLS USED | STD REF. # FROM LOG |
|-------------------|----------|---------------------|
| PBS003            | 50.0ML   | W3112               |
| 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 |
|---------------|----------------|------------|
| 0.25N NaOH    | 50.0ML         | WP111294   |
| N/A           | N/A            | N/A        |
| N/A           | N/A            | N/A        |
| N/A           | N/A            | N/A        |
| N/A           | N/A            | N/A        |
| N/A           | N/A            | N/A        |
| N/A           | N/A            | N/A        |
| N/A           | N/A            | N/A        |
| N/A           | N/A            | N/A        |
| N/A           | N/A            | N/A        |

| LAB SAMPLE ID | CLIENT SAMPLE ID | Comment |
|---------------|------------------|---------|
|               |                  |         |

## Extraction Conformance/Non-Conformance Comments:

N/A

| Date / Time       | Prepped Sample Relinquished By/Location | Received By/Location |
|-------------------|-----------------------------------------|----------------------|
| 03/14/2025, 15:30 | NF/WC                                   | NF/WC                |
|                   | Preparation Group                       | Analysis Group       |

| Lab Sample ID | Client Sample ID       | Initial Weight (g) | Final Vol (ml) | pH  | Sulfide | Oxidizing | Nitrate/Nitrite | Comment | Prep Pos |
|---------------|------------------------|--------------------|----------------|-----|---------|-----------|-----------------|---------|----------|
| PB167122BL    | PBS122                 | 1.00               | 50             | N/A | N/A     | N/A       | N/A             | N/A     | N/A      |
| Q1547-05DUP   | OR-620-JB-COMP-01DUP   | 1.02               | 50             | N/A | N/A     | N/A       | N/A             | N/A     | N/A      |
| Q1547-05      | OR-620-JB-COMP-01      | 1.04               | 50             | N/A | N/A     | N/A       | N/A             | N/A     | N/A      |
| Q1547-10      | OR-620-JB-COMP-02      | 1.01               | 50             | N/A | N/A     | N/A       | N/A             | N/A     | N/A      |
| Q1552-05      | NB-418-JB-COMP         | 1.05               | 50             | N/A | N/A     | N/A       | N/A             | N/A     | N/A      |
| Q1568-04      | JC-03-03132025         | 1.01               | 50             | N/A | N/A     | N/A       | N/A             | N/A     | N/A      |
| Q1570-01      | TAP-IDW-SOIL-031325-01 | 1.00               | 50             | N/A | N/A     | N/A       | N/A             | N/A     | N/A      |
| Q1570-02      | TAP-IDW-SOIL-031325-02 | 1.02               | 50             | N/A | N/A     | N/A       | N/A             | N/A     | N/A      |
| Q1574-02      | WC1                    | 1.04               | 50             | N/A | N/A     | N/A       | N/A             | N/A     | N/A      |



SOP ID : M9030B-Sulfide-12

SDG No : N/A

Matrix : SOIL

Pipette ID : WC

Balance ID : WC SC-7

Hood ID : HOOD#1

Block ID : MC-1,MC-2

Weigh By : RM

Start Digest Date: 03/17/2025 Time : 15:20 Temp : N/A

End Digest Date: 03/17/2025 Time : 16:50 Temp : N/A

Digestion tube ID : M5595

Filter paper ID : N/A

pH Meter ID : N/A

Block Thermometer ID : N/A

Prep Technician Signature:

Supervisor Signature:

RM  
12

| Standard Name | MLS USED | STD REF. # FROM LOG |
|---------------|----------|---------------------|
| PBS003        | 50.0ML   | W3112               |
| 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 |
|-------------------|----------------|------------|
| 0.5M ZINC ACETATE | 5.0ML          | WP111004   |
| FORMALDEHYDE      | 2.0ML          | W2725      |
| N/A               | N/A            | N/A        |
| N/A               | N/A            | N/A        |
| N/A               | N/A            | N/A        |
| N/A               | N/A            | N/A        |
| N/A               | N/A            | N/A        |
| N/A               | N/A            | N/A        |
| N/A               | N/A            | N/A        |
| N/A               | N/A            | N/A        |
| N/A               | N/A            | N/A        |

Extraction Conformance/Non-Conformance Comments:

N/A

03/17/2025  
RM

| Date / Time | Prepped Sample Relinquished By/Location | Received By/Location |
|-------------|-----------------------------------------|----------------------|
|             |                                         |                      |
|             | Preparation Group                       | Analysis Group       |

| Lab Sample ID | Client Sample ID       | Initial Weight (g) | Final Vol (ml) | pH  | Sulfide | Oxidizing | Nitrate/ Nitrite | Comment | Prej Pos |
|---------------|------------------------|--------------------|----------------|-----|---------|-----------|------------------|---------|----------|
| PB167149BL    | PBS149                 | 5.00               | 50             | N/A | N/A     | N/A       | N/A              | N/A     | N/A      |
| Q1568-04DUP   | JC-03-03132025DUP      | 5.04               | 50             | N/A | N/A     | N/A       | N/A              | N/A     | N/A      |
| Q1568-04      | JC-03-03132025         | 5.04               | 50             | N/A | N/A     | N/A       | N/A              | N/A     | N/A      |
| Q1570-01      | TAP-IDW-SOIL-031325-01 | 5.07               | 50             | N/A | N/A     | N/A       | N/A              | N/A     | N/A      |
| Q1570-02      | TAP-IDW-SOIL-031325-02 | 5.03               | 50             | N/A | N/A     | N/A       | N/A              | N/A     | N/A      |
| Q1574-02      | WC1                    | 5.04               | 50             | N/A | N/A     | N/A       | N/A              | N/A     | N/A      |
| Q1590-01      | 3794                   | 5.01               | 50             | N/A | N/A     | N/A       | N/A              | N/A     | N/A      |