

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

**SDG No.:** Q1945  
**Client:** G Environmental

| Sample ID         | Client ID   | Matrix | Parameter                      | Concentration | C | MDL  | RDL  | Units |
|-------------------|-------------|--------|--------------------------------|---------------|---|------|------|-------|
| <b>Client ID:</b> | <b>GB1W</b> |        |                                |               |   |      |      |       |
| Q1945-01          | GB1W        | Water  | Acetone                        | 2.80          | J | 1.50 | 5.00 | ug/L  |
|                   |             |        | <b>Total Voc :</b>             | 2.80          |   |      |      |       |
|                   |             |        | <b>Total Concentration:</b>    | 2.80          |   |      |      |       |
| <b>Client ID:</b> | <b>GB3W</b> |        |                                |               |   |      |      |       |
| Q1945-02          | GB3W        | Water  | Acetone                        | 13.4          |   | 1.50 | 5.00 | ug/L  |
| Q1945-02          | GB3W        | Water  | Carbon Disulfide               | 0.52          | J | 0.21 | 1.00 | ug/L  |
| Q1945-02          | GB3W        | Water  | Methylene Chloride             | 0.42          | J | 0.28 | 1.00 | ug/L  |
| Q1945-02          | GB3W        | Water  | Cyclohexane                    | 9.80          |   | 1.50 | 5.00 | ug/L  |
| Q1945-02          | GB3W        | Water  | Methylcyclohexane              | 56.8          |   | 0.16 | 1.00 | ug/L  |
| Q1945-02          | GB3W        | Water  | Toluene                        | 28.0          |   | 0.14 | 1.00 | ug/L  |
| Q1945-02          | GB3W        | Water  | Chlorobenzene                  | 1.00          |   | 0.12 | 1.00 | ug/L  |
| Q1945-02          | GB3W        | Water  | o-Xylene                       | 2.30          |   | 0.12 | 1.00 | ug/L  |
| Q1945-02          | GB3W        | Water  | Isopropylbenzene               | 23.3          |   | 0.12 | 1.00 | ug/L  |
|                   |             |        | <b>Total Voc :</b>             | 136           |   |      |      |       |
| Q1945-02          | GB3W        | Water  | Benzene, 1,2,4,5-tetramethyl-  | * 45.9        | J | 0    | 0    | ug/L  |
| Q1945-02          | GB3W        | Water  | unknown10.775                  | * 39.9        | J | 0    | 0    | ug/L  |
| Q1945-02          | GB3W        | Water  | Naphthalene, 1,7-dimethyl-     | * 61.6        | J | 0    | 0    | ug/L  |
| Q1945-02          | GB3W        | Water  | Naphthalene, 1,3-dimethyl-     | * 58.7        | J | 0    | 0    | ug/L  |
| Q1945-02          | GB3W        | Water  | Naphthalene, 1,6-dimethyl-     | * 95.6        | J | 0    | 0    | ug/L  |
| Q1945-02          | GB3W        | Water  | Naphthalene, 2,3-dimethyl-     | * 110         | J | 0    | 0    | ug/L  |
| Q1945-02          | GB3W        | Water  | Benzene, 1-ethenyl-2-methyl-   | * 51.4        | J | 0    | 0    | ug/L  |
| Q1945-02          | GB3W        | Water  | Benzene, 4-ethyl-1,2-dimethyl- | * 57.8        | J | 0    | 0    | ug/L  |
| Q1945-02          | GB3W        | Water  | Benzene, 2-butenyl-            | * 170         | J | 0    | 0    | ug/L  |
| Q1945-02          | GB3W        | Water  | 1H-Indene, 2,3-dihydro-4,7-din | * 51.0        | J | 0    | 0    | ug/L  |
| Q1945-02          | GB3W        | Water  | Cyclohexane, 1,2-dimethyl-, tr | * 36.7        | J | 0    | 0    | ug/L  |
| Q1945-02          | GB3W        | Water  | Benzene, 1-ethenyl-3-ethyl-    | * 65.5        | J | 0    | 0    | ug/L  |
| Q1945-02          | GB3W        | Water  | Benzene, (2-methyl-1-butenyl)- | * 69.2        | J | 0    | 0    | ug/L  |
| Q1945-02          | GB3W        | Water  | n-propylbenzene                | * 30.0        | J | 0.13 | 1.00 | ug/L  |
| Q1945-02          | GB3W        | Water  | 2-Chlorotoluene                | * 9.90        | J | 0.14 | 1.00 | ug/L  |
| Q1945-02          | GB3W        | Water  | tert-Butylbenzene              | * 3.90        | J | 0.14 | 1.00 | ug/L  |
| Q1945-02          | GB3W        | Water  | 1,2,4-Trimethylbenzene         | * 0.52        | J | 0.14 | 1.00 | ug/L  |
| Q1945-02          | GB3W        | Water  | sec-Butylbenzene               | * 11.0        | J | 0.13 | 1.00 | ug/L  |
| Q1945-02          | GB3W        | Water  | n-Butylbenzene                 | * 5.30        | J | 0.15 | 1.00 | ug/L  |
|                   |             |        | <b>Total Tics :</b>            | 974           |   |      |      |       |
|                   |             |        | <b>Total Concentration:</b>    | 1110          |   |      |      |       |



# SAMPLE DATA

### Report of Analysis

|                    |                 |           |                 |              |    |
|--------------------|-----------------|-----------|-----------------|--------------|----|
| Client:            | G Environmental |           | Date Collected: | 05/02/25     |    |
| Project:           | Amsterdam       |           | Date Received:  | 05/02/25     |    |
| Client Sample ID:  | GB1W            |           | SDG No.:        | Q1945        |    |
| Lab Sample ID:     | Q1945-01        |           | Matrix:         | Water        |    |
| Analytical Method: | SW8260          |           | % Solid:        | 0            |    |
| Sample Wt/Vol:     | 5               | Units: mL | Final Vol:      | 5000         | uL |
| Soil Aliquot Vol:  |                 | uL        | Test:           | VOCMS Group1 |    |
| GC Column:         | DB-624UI        | ID : 0.18 | Level :         | LOW          |    |
| Prep Method :      |                 |           |                 |              |    |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VX046055.D        | 1         |           | 05/06/25 11:52 | VX050625      |

| CAS Number     | Parameter                      | Conc. | Qualifier | MDL   | LOQ / CRQL | Units |
|----------------|--------------------------------|-------|-----------|-------|------------|-------|
| <b>TARGETS</b> |                                |       |           |       |            |       |
| 75-71-8        | Dichlorodifluoromethane        | 0.22  | U         | 0.22  | 1.00       | ug/L  |
| 74-87-3        | Chloromethane                  | 0.32  | U         | 0.32  | 1.00       | ug/L  |
| 75-01-4        | Vinyl Chloride                 | 0.26  | U         | 0.26  | 1.00       | ug/L  |
| 74-83-9        | Bromomethane                   | 1.40  | U         | 1.40  | 5.00       | ug/L  |
| 75-00-3        | Chloroethane                   | 0.47  | U         | 0.47  | 1.00       | ug/L  |
| 75-69-4        | Trichlorofluoromethane         | 0.33  | U         | 0.33  | 1.00       | ug/L  |
| 76-13-1        | 1,1,2-Trichlorotrifluoroethane | 0.25  | U         | 0.25  | 1.00       | ug/L  |
| 75-65-0        | Tert butyl alcohol             | 5.50  | U         | 5.50  | 25.0       | ug/L  |
| 75-35-4        | 1,1-Dichloroethene             | 0.23  | U         | 0.23  | 1.00       | ug/L  |
| 67-64-1        | Acetone                        | 2.80  | J         | 1.50  | 5.00       | ug/L  |
| 75-15-0        | Carbon Disulfide               | 0.21  | U         | 0.21  | 1.00       | ug/L  |
| 1634-04-4      | Methyl tert-butyl Ether        | 0.16  | U         | 0.16  | 1.00       | ug/L  |
| 79-20-9        | Methyl Acetate                 | 0.27  | U         | 0.27  | 1.00       | ug/L  |
| 75-09-2        | Methylene Chloride             | 0.28  | U         | 0.28  | 1.00       | ug/L  |
| 156-60-5       | trans-1,2-Dichloroethene       | 0.23  | U         | 0.23  | 1.00       | ug/L  |
| 75-34-3        | 1,1-Dichloroethane             | 0.23  | U         | 0.23  | 1.00       | ug/L  |
| 110-82-7       | Cyclohexane                    | 1.50  | U         | 1.50  | 5.00       | ug/L  |
| 78-93-3        | 2-Butanone                     | 0.98  | U         | 0.98  | 5.00       | ug/L  |
| 56-23-5        | Carbon Tetrachloride           | 0.25  | U         | 0.25  | 1.00       | ug/L  |
| 156-59-2       | cis-1,2-Dichloroethene         | 0.19  | U         | 0.19  | 1.00       | ug/L  |
| 74-97-5        | Bromochloromethane             | 0.22  | U         | 0.22  | 1.00       | ug/L  |
| 67-66-3        | Chloroform                     | 0.25  | U         | 0.25  | 1.00       | ug/L  |
| 71-55-6        | 1,1,1-Trichloroethane          | 0.20  | U         | 0.20  | 1.00       | ug/L  |
| 108-87-2       | Methylcyclohexane              | 0.16  | U         | 0.16  | 1.00       | ug/L  |
| 71-43-2        | Benzene                        | 0.15  | U         | 0.15  | 1.00       | ug/L  |
| 107-06-2       | 1,2-Dichloroethane             | 0.22  | U         | 0.22  | 1.00       | ug/L  |
| 79-01-6        | Trichloroethene                | 0.090 | U         | 0.090 | 1.00       | ug/L  |
| 78-87-5        | 1,2-Dichloropropane            | 0.20  | U         | 0.20  | 1.00       | ug/L  |
| 75-27-4        | Bromodichloromethane           | 0.22  | U         | 0.22  | 1.00       | ug/L  |
| 108-10-1       | 4-Methyl-2-Pentanone           | 0.68  | U         | 0.68  | 5.00       | ug/L  |

### Report of Analysis

|                    |                 |           |                 |              |    |
|--------------------|-----------------|-----------|-----------------|--------------|----|
| Client:            | G Environmental |           | Date Collected: | 05/02/25     |    |
| Project:           | Amsterdam       |           | Date Received:  | 05/02/25     |    |
| Client Sample ID:  | GB1W            |           | SDG No.:        | Q1945        |    |
| Lab Sample ID:     | Q1945-01        |           | Matrix:         | Water        |    |
| Analytical Method: | SW8260          |           | % Solid:        | 0            |    |
| Sample Wt/Vol:     | 5               | Units: mL | Final Vol:      | 5000         | uL |
| Soil Aliquot Vol:  |                 | uL        | Test:           | VOCMS Group1 |    |
| GC Column:         | DB-624UI        | ID : 0.18 | Level :         | LOW          |    |
| Prep Method :      |                 |           |                 |              |    |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VX046055.D        | 1         |           | 05/06/25 11:52 | VX050625      |

| CAS Number                | Parameter                   | Conc.  | Qualifier | MDL                 | LOQ / CRQL | Units   |
|---------------------------|-----------------------------|--------|-----------|---------------------|------------|---------|
| 108-88-3                  | Toluene                     | 0.14   | U         | 0.14                | 1.00       | ug/L    |
| 10061-02-6                | t-1,3-Dichloropropene       | 0.17   | U         | 0.17                | 1.00       | ug/L    |
| 10061-01-5                | cis-1,3-Dichloropropene     | 0.16   | U         | 0.16                | 1.00       | ug/L    |
| 79-00-5                   | 1,1,2-Trichloroethane       | 0.21   | U         | 0.21                | 1.00       | ug/L    |
| 591-78-6                  | 2-Hexanone                  | 0.89   | U         | 0.89                | 5.00       | ug/L    |
| 124-48-1                  | Dibromochloromethane        | 0.18   | U         | 0.18                | 1.00       | ug/L    |
| 106-93-4                  | 1,2-Dibromoethane           | 0.15   | U         | 0.15                | 1.00       | ug/L    |
| 127-18-4                  | Tetrachloroethene           | 0.23   | U         | 0.23                | 1.00       | ug/L    |
| 108-90-7                  | Chlorobenzene               | 0.12   | U         | 0.12                | 1.00       | ug/L    |
| 100-41-4                  | Ethyl Benzene               | 0.13   | U         | 0.13                | 1.00       | ug/L    |
| 179601-23-1               | m/p-Xylenes                 | 0.24   | U         | 0.24                | 2.00       | ug/L    |
| 95-47-6                   | o-Xylene                    | 0.12   | U         | 0.12                | 1.00       | ug/L    |
| 100-42-5                  | Styrene                     | 0.15   | U         | 0.15                | 1.00       | ug/L    |
| 75-25-2                   | Bromoform                   | 0.19   | U         | 0.19                | 1.00       | ug/L    |
| 98-82-8                   | Isopropylbenzene            | 0.12   | U         | 0.12                | 1.00       | ug/L    |
| 79-34-5                   | 1,1,2,2-Tetrachloroethane   | 0.26   | U         | 0.26                | 1.00       | ug/L    |
| 541-73-1                  | 1,3-Dichlorobenzene         | 0.16   | U         | 0.16                | 1.00       | ug/L    |
| 106-46-7                  | 1,4-Dichlorobenzene         | 0.19   | U         | 0.19                | 1.00       | ug/L    |
| 95-50-1                   | 1,2-Dichlorobenzene         | 0.16   | U         | 0.16                | 1.00       | ug/L    |
| 96-12-8                   | 1,2-Dibromo-3-Chloropropane | 0.53   | U         | 0.53                | 1.00       | ug/L    |
| 120-82-1                  | 1,2,4-Trichlorobenzene      | 0.20   | U         | 0.20                | 1.00       | ug/L    |
| 87-61-6                   | 1,2,3-Trichlorobenzene      | 0.20   | U         | 0.20                | 1.00       | ug/L    |
| <b>SURROGATES</b>         |                             |        |           |                     |            |         |
| 17060-07-0                | 1,2-Dichloroethane-d4       | 52.0   |           | 70 (74) - 130 (125) | 104%       | SPK: 50 |
| 1868-53-7                 | Dibromofluoromethane        | 50.1   |           | 70 (75) - 130 (124) | 100%       | SPK: 50 |
| 2037-26-5                 | Toluene-d8                  | 50.6   |           | 70 (86) - 130 (113) | 101%       | SPK: 50 |
| 460-00-4                  | 4-Bromofluorobenzene        | 48.9   |           | 70 (77) - 130 (121) | 98%        | SPK: 50 |
| <b>INTERNAL STANDARDS</b> |                             |        |           |                     |            |         |
| 363-72-4                  | Pentafluorobenzene          | 65300  | 5.544     |                     |            |         |
| 540-36-3                  | 1,4-Difluorobenzene         | 127000 | 6.757     |                     |            |         |
| 3114-55-4                 | Chlorobenzene-d5            | 117000 | 10.049    |                     |            |         |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4      | 48100  | 12.018    |                     |            |         |



## Report of Analysis

|                    |                 |                 |              |
|--------------------|-----------------|-----------------|--------------|
| Client:            | G Environmental | Date Collected: | 05/02/25     |
| Project:           | Amsterdam       | Date Received:  | 05/02/25     |
| Client Sample ID:  | GB1W            | SDG No.:        | Q1945        |
| Lab Sample ID:     | Q1945-01        | Matrix:         | Water        |
| Analytical Method: | SW8260          | % Solid:        | 0            |
| Sample Wt/Vol:     | 5               | Units:          | mL           |
| Soil Aliquot Vol:  |                 |                 | uL           |
| GC Column:         | DB-624UI        | ID :            | 0.18         |
| Prep Method :      |                 | Level :         | LOW          |
|                    |                 | Final Vol:      | 5000         |
|                    |                 | Test:           | VOCMS Group1 |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VX046055.D        | 1         |           | 05/06/25 11:52 | VX050625      |

| 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: | 05/02/25     |
| Project:           | Amsterdam       | Date Received:  | 05/02/25     |
| Client Sample ID:  | GB3W            | SDG No.:        | Q1945        |
| Lab Sample ID:     | Q1945-02        | Matrix:         | Water        |
| Analytical Method: | SW8260          | % Solid:        | 0            |
| Sample Wt/Vol:     | 5               | Units:          | mL           |
| Soil Aliquot Vol:  |                 |                 | uL           |
| GC Column:         | DB-624UI        | ID :            | 0.18         |
| Prep Method :      |                 | Level :         | LOW          |
|                    |                 | Final Vol:      | 5000         |
|                    |                 | Test:           | VOCMS Group1 |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VX046056.D        | 1         |           | 05/06/25 12:15 | VX050625      |

| CAS Number     | Parameter                      | Conc. | Qualifier | MDL   | LOQ / CRQL | Units |
|----------------|--------------------------------|-------|-----------|-------|------------|-------|
| <b>TARGETS</b> |                                |       |           |       |            |       |
| 75-71-8        | Dichlorodifluoromethane        | 0.22  | U         | 0.22  | 1.00       | ug/L  |
| 74-87-3        | Chloromethane                  | 0.32  | U         | 0.32  | 1.00       | ug/L  |
| 75-01-4        | Vinyl Chloride                 | 0.26  | U         | 0.26  | 1.00       | ug/L  |
| 74-83-9        | Bromomethane                   | 1.40  | U         | 1.40  | 5.00       | ug/L  |
| 75-00-3        | Chloroethane                   | 0.47  | U         | 0.47  | 1.00       | ug/L  |
| 75-69-4        | Trichlorofluoromethane         | 0.33  | U         | 0.33  | 1.00       | ug/L  |
| 76-13-1        | 1,1,2-Trichlorotrifluoroethane | 0.25  | U         | 0.25  | 1.00       | ug/L  |
| 75-65-0        | Tert butyl alcohol             | 5.50  | U         | 5.50  | 25.0       | ug/L  |
| 75-35-4        | 1,1-Dichloroethene             | 0.23  | U         | 0.23  | 1.00       | ug/L  |
| 67-64-1        | Acetone                        | 13.4  |           | 1.50  | 5.00       | ug/L  |
| 75-15-0        | Carbon Disulfide               | 0.52  | J         | 0.21  | 1.00       | ug/L  |
| 1634-04-4      | Methyl tert-butyl Ether        | 0.16  | U         | 0.16  | 1.00       | ug/L  |
| 79-20-9        | Methyl Acetate                 | 0.27  | U         | 0.27  | 1.00       | ug/L  |
| 75-09-2        | Methylene Chloride             | 0.42  | J         | 0.28  | 1.00       | ug/L  |
| 156-60-5       | trans-1,2-Dichloroethene       | 0.23  | U         | 0.23  | 1.00       | ug/L  |
| 75-34-3        | 1,1-Dichloroethane             | 0.23  | U         | 0.23  | 1.00       | ug/L  |
| 110-82-7       | Cyclohexane                    | 9.80  |           | 1.50  | 5.00       | ug/L  |
| 78-93-3        | 2-Butanone                     | 0.98  | U         | 0.98  | 5.00       | ug/L  |
| 56-23-5        | Carbon Tetrachloride           | 0.25  | U         | 0.25  | 1.00       | ug/L  |
| 156-59-2       | cis-1,2-Dichloroethene         | 0.19  | U         | 0.19  | 1.00       | ug/L  |
| 74-97-5        | Bromochloromethane             | 0.22  | U         | 0.22  | 1.00       | ug/L  |
| 67-66-3        | Chloroform                     | 0.25  | U         | 0.25  | 1.00       | ug/L  |
| 71-55-6        | 1,1,1-Trichloroethane          | 0.20  | U         | 0.20  | 1.00       | ug/L  |
| 108-87-2       | Methylcyclohexane              | 56.8  |           | 0.16  | 1.00       | ug/L  |
| 71-43-2        | Benzene                        | 0.15  | U         | 0.15  | 1.00       | ug/L  |
| 107-06-2       | 1,2-Dichloroethane             | 0.22  | U         | 0.22  | 1.00       | ug/L  |
| 79-01-6        | Trichloroethene                | 0.090 | U         | 0.090 | 1.00       | ug/L  |
| 78-87-5        | 1,2-Dichloropropane            | 0.20  | U         | 0.20  | 1.00       | ug/L  |
| 75-27-4        | Bromodichloromethane           | 0.22  | U         | 0.22  | 1.00       | ug/L  |
| 108-10-1       | 4-Methyl-2-Pentanone           | 0.68  | U         | 0.68  | 5.00       | ug/L  |

### Report of Analysis

|                    |                 |           |                 |              |    |
|--------------------|-----------------|-----------|-----------------|--------------|----|
| Client:            | G Environmental |           | Date Collected: | 05/02/25     |    |
| Project:           | Amsterdam       |           | Date Received:  | 05/02/25     |    |
| Client Sample ID:  | GB3W            |           | SDG No.:        | Q1945        |    |
| Lab Sample ID:     | Q1945-02        |           | Matrix:         | Water        |    |
| Analytical Method: | SW8260          |           | % Solid:        | 0            |    |
| Sample Wt/Vol:     | 5               | Units: mL | Final Vol:      | 5000         | uL |
| Soil Aliquot Vol:  |                 | uL        | Test:           | VOCMS Group1 |    |
| GC Column:         | DB-624UI        | ID : 0.18 | Level :         | LOW          |    |
| Prep Method :      |                 |           |                 |              |    |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VX046056.D        | 1         |           | 05/06/25 12:15 | VX050625      |

| CAS Number                | Parameter                   | Conc.  | Qualifier | MDL                 | LOQ / CRQL | Units   |
|---------------------------|-----------------------------|--------|-----------|---------------------|------------|---------|
| 108-88-3                  | Toluene                     | 28.0   |           | 0.14                | 1.00       | ug/L    |
| 10061-02-6                | t-1,3-Dichloropropene       | 0.17   | U         | 0.17                | 1.00       | ug/L    |
| 10061-01-5                | cis-1,3-Dichloropropene     | 0.16   | U         | 0.16                | 1.00       | ug/L    |
| 79-00-5                   | 1,1,2-Trichloroethane       | 0.21   | U         | 0.21                | 1.00       | ug/L    |
| 591-78-6                  | 2-Hexanone                  | 0.89   | U         | 0.89                | 5.00       | ug/L    |
| 124-48-1                  | Dibromochloromethane        | 0.18   | U         | 0.18                | 1.00       | ug/L    |
| 106-93-4                  | 1,2-Dibromoethane           | 0.15   | U         | 0.15                | 1.00       | ug/L    |
| 127-18-4                  | Tetrachloroethene           | 0.23   | U         | 0.23                | 1.00       | ug/L    |
| 108-90-7                  | Chlorobenzene               | 1.00   |           | 0.12                | 1.00       | ug/L    |
| 100-41-4                  | Ethyl Benzene               | 0.13   | U         | 0.13                | 1.00       | ug/L    |
| 179601-23-1               | m/p-Xylenes                 | 0.24   | U         | 0.24                | 2.00       | ug/L    |
| 95-47-6                   | o-Xylene                    | 2.30   |           | 0.12                | 1.00       | ug/L    |
| 100-42-5                  | Styrene                     | 0.15   | U         | 0.15                | 1.00       | ug/L    |
| 75-25-2                   | Bromoform                   | 0.19   | U         | 0.19                | 1.00       | ug/L    |
| 98-82-8                   | Isopropylbenzene            | 23.3   |           | 0.12                | 1.00       | ug/L    |
| 79-34-5                   | 1,1,2,2-Tetrachloroethane   | 0.26   | U         | 0.26                | 1.00       | ug/L    |
| 541-73-1                  | 1,3-Dichlorobenzene         | 0.16   | U         | 0.16                | 1.00       | ug/L    |
| 106-46-7                  | 1,4-Dichlorobenzene         | 0.19   | U         | 0.19                | 1.00       | ug/L    |
| 95-50-1                   | 1,2-Dichlorobenzene         | 0.16   | U         | 0.16                | 1.00       | ug/L    |
| 96-12-8                   | 1,2-Dibromo-3-Chloropropane | 0.53   | U         | 0.53                | 1.00       | ug/L    |
| 120-82-1                  | 1,2,4-Trichlorobenzene      | 0.20   | U         | 0.20                | 1.00       | ug/L    |
| 87-61-6                   | 1,2,3-Trichlorobenzene      | 0.20   | U         | 0.20                | 1.00       | ug/L    |
| <b>SURROGATES</b>         |                             |        |           |                     |            |         |
| 17060-07-0                | 1,2-Dichloroethane-d4       | 52.3   |           | 70 (74) - 130 (125) | 105%       | SPK: 50 |
| 1868-53-7                 | Dibromofluoromethane        | 50.3   |           | 70 (75) - 130 (124) | 101%       | SPK: 50 |
| 2037-26-5                 | Toluene-d8                  | 51.2   |           | 70 (86) - 130 (113) | 102%       | SPK: 50 |
| 460-00-4                  | 4-Bromofluorobenzene        | 51.3   |           | 70 (77) - 130 (121) | 103%       | SPK: 50 |
| <b>INTERNAL STANDARDS</b> |                             |        |           |                     |            |         |
| 363-72-4                  | Pentafluorobenzene          | 65700  | 5.55      |                     |            |         |
| 540-36-3                  | 1,4-Difluorobenzene         | 129000 | 6.757     |                     |            |         |
| 3114-55-4                 | Chlorobenzene-d5            | 118000 | 10.049    |                     |            |         |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4      | 54800  | 12.018    |                     |            |         |

## Report of Analysis

|                    |                            |                 |              |
|--------------------|----------------------------|-----------------|--------------|
| Client:            | G Environmental            | Date Collected: | 05/02/25     |
| Project:           | Amsterdam                  | Date Received:  | 05/02/25     |
| Client Sample ID:  | GB3W                       | SDG No.:        | Q1945        |
| Lab Sample ID:     | Q1945-02                   | Matrix:         | Water        |
| Analytical Method: | SW8260                     | % Solid:        | 0            |
| Sample Wt/Vol:     | 5      Units:    mL        | Final Vol:      | 5000      uL |
| Soil Aliquot Vol:  | uL                         | Test:           | VOCMS Group1 |
| GC Column:         | DB-624UI      ID :    0.18 | Level :         | LOW          |
| Prep Method :      |                            |                 |              |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VX046056.D        | 1         |           | 05/06/25 12:15 | VX050625      |

| CAS Number                            | Parameter                          | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---------------------------------------|------------------------------------|-------|-----------|-----|------------|-------|
| <b>TENTATIVE IDENTIFIED COMPOUNDS</b> |                                    |       |           |     |            |       |
| 006876-23-9                           | Cyclohexane, 1,2-dimethyl-, trans- | 36.7  | J         |     | 8.97       | ug/L  |
| 000286-08-8                           | unknown10.775                      | 39.9  | J         |     | 10.8       | ug/L  |
| 103-65-1                              | n-propylbenzene                    | 30.0  | J         |     | 11.3       | ug/L  |
| 95-49-8                               | 2-Chlorotoluene                    | 9.90  | J         |     | 11.4       | ug/L  |
| 98-06-6                               | tert-Butylbenzene                  | 3.90  | J         |     | 11.7       | ug/L  |
| 95-63-6                               | 1,2,4-Trimethylbenzene             | 0.52  | J         |     | 11.8       | ug/L  |
| 135-98-8                              | sec-Butylbenzene                   | 11.0  | J         |     | 11.9       | ug/L  |
| 000611-15-4                           | Benzene, 1-ethenyl-2-methyl-       | 51.4  | J         |     | 12.2       | ug/L  |
| 104-51-8                              | n-Butylbenzene                     | 5.30  | J         |     | 12.3       | ug/L  |
| 000934-80-5                           | Benzene, 4-ethyl-1,2-dimethyl-     | 57.8  | J         |     | 12.6       | ug/L  |
| 007525-62-4                           | Benzene, 1-ethenyl-3-ethyl-        | 65.5  | J         |     | 12.7       | ug/L  |
| 000095-93-2                           | Benzene, 1,2,4,5-tetramethyl-      | 45.9  | J         |     | 12.9       | ug/L  |
| 001560-06-1                           | Benzene, 2-butenyl-                | 170   | J         |     | 13.3       | ug/L  |
| 056253-64-6                           | Benzene, (2-methyl-1-butenyl)-     | 69.2  | J         |     | 13.7       | ug/L  |
| 006682-71-9                           | 1H-Indene, 2,3-dihydro-4,7-dimethy | 51.0  | J         |     | 14.2       | ug/L  |
| 000575-43-9                           | Naphthalene, 1,6-dimethyl-         | 95.6  | J         |     | 15.5       | ug/L  |
| 000581-40-8                           | Naphthalene, 2,3-dimethyl-         | 110   | J         |     | 15.6       | ug/L  |
| 000575-37-1                           | Naphthalene, 1,7-dimethyl-         | 61.6  | J         |     | 15.6       | ug/L  |
| 000575-41-7                           | Naphthalene, 1,3-dimethyl-         | 58.7  | J         |     | 15.8       | ug/L  |

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.: **Q1945**

Client: **G Environmental**

Analytical Method: **SW8260-Low**

| Lab Sample ID | Client ID    | Parameter             | Spike | Result | RecoveryQual | Limits  |           |
|---------------|--------------|-----------------------|-------|--------|--------------|---------|-----------|
|               |              |                       |       |        |              | Low     | High      |
| Q1945-01      | GB1W         | 1,2-Dichloroethane-d4 | 50    | 52.0   | 104          | 70 (74) | 130 (125) |
|               |              | Dibromofluoromethane  | 50    | 50.1   | 100          | 70 (75) | 130 (124) |
|               |              | Toluene-d8            | 50    | 50.6   | 101          | 70 (86) | 130 (113) |
|               |              | 4-Bromofluorobenzene  | 50    | 48.9   | 98           | 70 (77) | 130 (121) |
| Q1945-02      | GB3W         | 1,2-Dichloroethane-d4 | 50    | 52.3   | 105          | 70 (74) | 130 (125) |
|               |              | Dibromofluoromethane  | 50    | 50.3   | 101          | 70 (75) | 130 (124) |
|               |              | Toluene-d8            | 50    | 51.2   | 102          | 70 (86) | 130 (113) |
|               |              | 4-Bromofluorobenzene  | 50    | 51.3   | 103          | 70 (77) | 130 (121) |
| VX0506WBL01   | VX0506WBL01  | 1,2-Dichloroethane-d4 | 50    | 53.4   | 107          | 70 (74) | 130 (125) |
|               |              | Dibromofluoromethane  | 50    | 50.3   | 101          | 70 (75) | 130 (124) |
|               |              | Toluene-d8            | 50    | 49.6   | 99           | 70 (86) | 130 (113) |
|               |              | 4-Bromofluorobenzene  | 50    | 49.7   | 99           | 70 (77) | 130 (121) |
| VX0506WBS01   | VX0506WBS01  | 1,2-Dichloroethane-d4 | 50    | 45.4   | 91           | 70 (74) | 130 (125) |
|               |              | Dibromofluoromethane  | 50    | 45.2   | 90           | 70 (75) | 130 (124) |
|               |              | Toluene-d8            | 50    | 45.6   | 91           | 70 (86) | 130 (113) |
|               |              | 4-Bromofluorobenzene  | 50    | 44.8   | 89           | 70 (77) | 130 (121) |
| VX0506WBSD0   | VX0506WBSD01 | 1,2-Dichloroethane-d4 | 50    | 46.2   | 92           | 70 (74) | 130 (125) |
|               |              | Dibromofluoromethane  | 50    | 47.3   | 95           | 70 (75) | 130 (124) |
|               |              | Toluene-d8            | 50    | 46.6   | 93           | 70 (86) | 130 (113) |
|               |              | 4-Bromofluorobenzene  | 50    | 45.9   | 92           | 70 (77) | 130 (121) |

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1945

Client: G Environmental

Analytical Method: SW8260-Low

Datafile : VX046053.D

| Lab Sample ID | Parameter                      | Spike | Result | Unit | Rec | RPD | Qual | Low     | Limits High | RPD |
|---------------|--------------------------------|-------|--------|------|-----|-----|------|---------|-------------|-----|
| VX0506WBS01   | Dichlorodifluoromethane        | 20    | 20.6   | ug/L | 103 |     |      | 40 (69) | 160 (116)   |     |
|               | Chloromethane                  | 20    | 19.1   | ug/L | 96  |     |      | 40 (65) | 160 (116)   |     |
|               | Vinyl chloride                 | 20    | 18.6   | ug/L | 93  |     |      | 70 (65) | 130 (117)   |     |
|               | Bromomethane                   | 20    | 20.2   | ug/L | 101 |     |      | 40 (58) | 160 (125)   |     |
|               | Chloroethane                   | 20    | 20.8   | ug/L | 104 |     |      | 40 (56) | 160 (128)   |     |
|               | Trichlorofluoromethane         | 20    | 19.3   | ug/L | 97  |     |      | 40 (73) | 160 (115)   |     |
|               | 1,1,2-Trichlorotrifluoroethane | 20    | 19.1   | ug/L | 96  |     |      | 70 (80) | 130 (112)   |     |
|               | Tert butyl alcohol             | 100   | 97.3   | ug/L | 97  |     |      | 70 (73) | 130 (124)   |     |
|               | 1,1-Dichloroethene             | 20    | 18.7   | ug/L | 94  |     |      | 70 (74) | 130 (110)   |     |
|               | Acetone                        | 100   | 94.9   | ug/L | 95  |     |      | 40 (60) | 160 (125)   |     |
|               | Carbon disulfide               | 20    | 18.7   | ug/L | 94  |     |      | 40 (64) | 160 (112)   |     |
|               | Methyl tert-butyl Ether        | 20    | 19.0   | ug/L | 95  |     |      | 70 (78) | 130 (114)   |     |
|               | Methyl Acetate                 | 20    | 19.1   | ug/L | 96  |     |      | 70 (67) | 130 (125)   |     |
|               | Methylene Chloride             | 20    | 18.1   | ug/L | 91  |     |      | 70 (72) | 130 (114)   |     |
|               | trans-1,2-Dichloroethene       | 20    | 18.9   | ug/L | 95  |     |      | 70 (75) | 130 (108)   |     |
|               | 1,1-Dichloroethane             | 20    | 19.6   | ug/L | 98  |     |      | 70 (78) | 130 (112)   |     |
|               | Cyclohexane                    | 20    | 18.9   | ug/L | 95  |     |      | 70 (75) | 130 (110)   |     |
|               | 2-Butanone                     | 100   | 97.6   | ug/L | 98  |     |      | 40 (65) | 160 (122)   |     |
|               | Carbon Tetrachloride           | 20    | 19.1   | ug/L | 96  |     |      | 70 (77) | 130 (113)   |     |
|               | cis-1,2-Dichloroethene         | 20    | 19.0   | ug/L | 95  |     |      | 70 (77) | 130 (110)   |     |
|               | Bromochloromethane             | 20    | 19.6   | ug/L | 98  |     |      | 70 (70) | 130 (124)   |     |
|               | Chloroform                     | 20    | 19.6   | ug/L | 98  |     |      | 70 (79) | 130 (113)   |     |
|               | 1,1,1-Trichloroethane          | 20    | 19.5   | ug/L | 98  |     |      | 70 (80) | 130 (108)   |     |
|               | Methylcyclohexane              | 20    | 18.4   | ug/L | 92  |     |      | 70 (72) | 130 (115)   |     |
|               | Benzene                        | 20    | 19.5   | ug/L | 98  |     |      | 70 (82) | 130 (109)   |     |
|               | 1,2-Dichloroethane             | 20    | 19.6   | ug/L | 98  |     |      | 70 (80) | 130 (115)   |     |
|               | Trichloroethene                | 20    | 18.9   | ug/L | 95  |     |      | 70 (77) | 130 (113)   |     |
|               | 1,2-Dichloropropane            | 20    | 19.9   | ug/L | 100 |     |      | 70 (83) | 130 (111)   |     |
|               | Bromodichloromethane           | 20    | 19.7   | ug/L | 99  |     |      | 70 (83) | 130 (110)   |     |
|               | 4-Methyl-2-Pentanone           | 100   | 99.1   | ug/L | 99  |     |      | 40 (74) | 160 (118)   |     |
|               | Toluene                        | 20    | 19.5   | ug/L | 98  |     |      | 70 (82) | 130 (110)   |     |
|               | t-1,3-Dichloropropene          | 20    | 18.8   | ug/L | 94  |     |      | 70 (79) | 130 (110)   |     |
|               | cis-1,3-Dichloropropene        | 20    | 19.3   | ug/L | 97  |     |      | 70 (82) | 130 (110)   |     |
|               | 1,1,2-Trichloroethane          | 20    | 19.4   | ug/L | 97  |     |      | 70 (83) | 130 (112)   |     |
|               | 2-Hexanone                     | 100   | 100    | ug/L | 100 |     |      | 40 (73) | 160 (117)   |     |
|               | Dibromochloromethane           | 20    | 20.1   | ug/L | 101 |     |      | 70 (82) | 130 (110)   |     |
|               | 1,2-Dibromoethane              | 20    | 19.3   | ug/L | 97  |     |      | 70 (81) | 130 (110)   |     |
|               | Tetrachloroethene              | 20    | 18.5   | ug/L | 93  |     |      | 70 (67) | 130 (123)   |     |
|               | Chlorobenzene                  | 20    | 18.9   | ug/L | 95  |     |      | 70 (82) | 130 (109)   |     |
|               | Ethyl Benzene                  | 20    | 19.4   | ug/L | 97  |     |      | 70 (83) | 130 (109)   |     |
|               | m/p-Xylenes                    | 40    | 39.6   | ug/L | 99  |     |      | 70 (82) | 130 (110)   |     |
|               | o-Xylene                       | 20    | 20.1   | ug/L | 101 |     |      | 70 (83) | 130 (109)   |     |
|               | Styrene                        | 20    | 19.8   | ug/L | 99  |     |      | 70 (80) | 130 (111)   |     |
|               | Bromoform                      | 20    | 18.5   | ug/L | 93  |     |      | 70 (79) | 130 (109)   |     |
|               | Isopropylbenzene               | 20    | 19.6   | ug/L | 98  |     |      | 70 (83) | 130 (112)   |     |
|               | 1,1,2,2-Tetrachloroethane      | 20    | 19.5   | ug/L | 98  |     |      | 70 (76) | 130 (118)   |     |
|               | 1,3-Dichlorobenzene            | 20    | 18.9   | ug/L | 95  |     |      | 70 (82) | 130 (108)   |     |
|               | 1,4-Dichlorobenzene            | 20    | 18.9   | ug/L | 95  |     |      | 70 (82) | 130 (107)   |     |

() = LABORATORY INHOUSE LIMIT

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

**SW-846**

**SDG No.:** Q1945

**Client:** G Environmental

**Analytical Method:** SW8260-Low

**Datafile :** VX046053.D

| Lab Sample ID | Parameter                   | Spike | Result | Unit | Rec | RPD | Qual | Low     | Limits<br>High | RPD |
|---------------|-----------------------------|-------|--------|------|-----|-----|------|---------|----------------|-----|
| VX0506WBS01   | 1,2-Dichlorobenzene         | 20    | 19.3   | ug/L | 97  |     |      | 70 (82) | 130 (109)      |     |
|               | 1,2-Dibromo-3-Chloropropane | 20    | 19.5   | ug/L | 98  |     |      | 40 (68) | 160 (112)      |     |
|               | 1,2,4-Trichlorobenzene      | 20    | 18.2   | ug/L | 91  |     |      | 70 (75) | 130 (113)      |     |
|               | 1,2,3-Trichlorobenzene      | 20    | 18.2   | ug/L | 91  |     |      | 70 (76) | 130 (114)      |     |



Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1945

Client: G Environmental

Analytical Method: SW8260-Low

Datafile : VX046054.D

| Lab Sample ID | Parameter                      | Spike | Result | Unit | Rec | RPD | Qual | Low     | Limits High | RPD     |
|---------------|--------------------------------|-------|--------|------|-----|-----|------|---------|-------------|---------|
| VX0506WBSD01  | Dichlorodifluoromethane        | 20    | 19.8   | ug/L | 99  | 4   |      | 40 (69) | 160 (116)   | 20 (20) |
|               | Chloromethane                  | 20    | 18.6   | ug/L | 93  | 3   |      | 40 (65) | 160 (116)   | 20 (20) |
|               | Vinyl chloride                 | 20    | 17.6   | ug/L | 88  | 6   |      | 70 (65) | 130 (117)   | 20 (20) |
|               | Bromomethane                   | 20    | 18.9   | ug/L | 95  | 6   |      | 40 (58) | 160 (125)   | 20 (20) |
|               | Chloroethane                   | 20    | 19.2   | ug/L | 96  | 8   |      | 40 (56) | 160 (128)   | 20 (20) |
|               | Trichlorofluoromethane         | 20    | 19.3   | ug/L | 97  | 0   |      | 40 (73) | 160 (115)   | 20 (20) |
|               | 1,1,2-Trichlorotrifluoroethane | 20    | 18.7   | ug/L | 94  | 2   |      | 70 (80) | 130 (112)   | 20 (20) |
|               | Tert butyl alcohol             | 100   | 98.7   | ug/L | 99  | 2   |      | 70 (73) | 130 (124)   | 20 (20) |
|               | 1,1-Dichloroethene             | 20    | 18.3   | ug/L | 92  | 2   |      | 70 (74) | 130 (110)   | 20 (20) |
|               | Acetone                        | 100   | 95.4   | ug/L | 95  | 0   |      | 40 (60) | 160 (125)   | 20 (20) |
|               | Carbon disulfide               | 20    | 17.9   | ug/L | 90  | 4   |      | 40 (64) | 160 (112)   | 20 (20) |
|               | Methyl tert-butyl Ether        | 20    | 19.2   | ug/L | 96  | 1   |      | 70 (78) | 130 (114)   | 20 (20) |
|               | Methyl Acetate                 | 20    | 20.1   | ug/L | 101 | 5   |      | 70 (67) | 130 (125)   | 20 (20) |
|               | Methylene Chloride             | 20    | 18.4   | ug/L | 92  | 1   |      | 70 (72) | 130 (114)   | 20 (20) |
|               | trans-1,2-Dichloroethene       | 20    | 18.6   | ug/L | 93  | 2   |      | 70 (75) | 130 (108)   | 20 (20) |
|               | 1,1-Dichloroethane             | 20    | 19.2   | ug/L | 96  | 2   |      | 70 (78) | 130 (112)   | 20 (20) |
|               | Cyclohexane                    | 20    | 18.5   | ug/L | 93  | 2   |      | 70 (75) | 130 (110)   | 20 (20) |
|               | 2-Butanone                     | 100   | 99.9   | ug/L | 100 | 2   |      | 40 (65) | 160 (122)   | 20 (20) |
|               | Carbon Tetrachloride           | 20    | 19.1   | ug/L | 96  | 0   |      | 70 (77) | 130 (113)   | 20 (20) |
|               | cis-1,2-Dichloroethene         | 20    | 19.0   | ug/L | 95  | 0   |      | 70 (77) | 130 (110)   | 20 (20) |
|               | Bromochloromethane             | 20    | 19.8   | ug/L | 99  | 1   |      | 70 (70) | 130 (124)   | 20 (20) |
|               | Chloroform                     | 20    | 19.1   | ug/L | 96  | 2   |      | 70 (79) | 130 (113)   | 20 (20) |
|               | 1,1,1-Trichloroethane          | 20    | 18.9   | ug/L | 95  | 3   |      | 70 (80) | 130 (108)   | 20 (20) |
|               | Methylcyclohexane              | 20    | 18.7   | ug/L | 94  | 2   |      | 70 (72) | 130 (115)   | 20 (20) |
|               | Benzene                        | 20    | 19.5   | ug/L | 98  | 0   |      | 70 (82) | 130 (109)   | 20 (20) |
|               | 1,2-Dichloroethane             | 20    | 20.2   | ug/L | 101 | 3   |      | 70 (80) | 130 (115)   | 20 (20) |
|               | Trichloroethene                | 20    | 19.1   | ug/L | 96  | 1   |      | 70 (77) | 130 (113)   | 20 (20) |
|               | 1,2-Dichloropropane            | 20    | 19.0   | ug/L | 95  | 5   |      | 70 (83) | 130 (111)   | 20 (20) |
|               | Bromodichloromethane           | 20    | 20.0   | ug/L | 100 | 1   |      | 70 (83) | 130 (110)   | 20 (20) |
|               | 4-Methyl-2-Pentanone           | 100   | 100    | ug/L | 100 | 1   |      | 40 (74) | 160 (118)   | 20 (20) |
|               | Toluene                        | 20    | 19.8   | ug/L | 99  | 1   |      | 70 (82) | 130 (110)   | 20 (20) |
|               | t-1,3-Dichloropropene          | 20    | 19.9   | ug/L | 100 | 6   |      | 70 (79) | 130 (110)   | 20 (20) |
|               | cis-1,3-Dichloropropene        | 20    | 19.8   | ug/L | 99  | 2   |      | 70 (82) | 130 (110)   | 20 (20) |
|               | 1,1,2-Trichloroethane          | 20    | 20.7   | ug/L | 104 | 7   |      | 70 (83) | 130 (112)   | 20 (20) |
|               | 2-Hexanone                     | 100   | 110    | ug/L | 110 | 10  |      | 40 (73) | 160 (117)   | 20 (20) |
|               | Dibromochloromethane           | 20    | 19.9   | ug/L | 100 | 1   |      | 70 (82) | 130 (110)   | 20 (20) |
|               | 1,2-Dibromoethane              | 20    | 20.7   | ug/L | 104 | 7   |      | 70 (81) | 130 (110)   | 20 (20) |
|               | Tetrachloroethene              | 20    | 18.4   | ug/L | 92  | 1   |      | 70 (67) | 130 (123)   | 20 (20) |
|               | Chlorobenzene                  | 20    | 19.0   | ug/L | 95  | 0   |      | 70 (82) | 130 (109)   | 20 (20) |
|               | Ethyl Benzene                  | 20    | 19.2   | ug/L | 96  | 1   |      | 70 (83) | 130 (109)   | 20 (20) |
|               | m/p-Xylenes                    | 40    | 39.1   | ug/L | 98  | 1   |      | 70 (82) | 130 (110)   | 20 (20) |
|               | o-Xylene                       | 20    | 19.6   | ug/L | 98  | 3   |      | 70 (83) | 130 (109)   | 20 (20) |
|               | Styrene                        | 20    | 20.0   | ug/L | 100 | 1   |      | 70 (80) | 130 (111)   | 20 (20) |
|               | Bromoform                      | 20    | 19.4   | ug/L | 97  | 4   |      | 70 (79) | 130 (109)   | 20 (20) |
|               | Isopropylbenzene               | 20    | 19.6   | ug/L | 98  | 0   |      | 70 (83) | 130 (112)   | 20 (20) |
|               | 1,1,2,2-Tetrachloroethane      | 20    | 19.9   | ug/L | 100 | 2   |      | 70 (76) | 130 (118)   | 20 (20) |
|               | 1,3-Dichlorobenzene            | 20    | 19.1   | ug/L | 96  | 1   |      | 70 (82) | 130 (108)   | 20 (20) |
|               | 1,4-Dichlorobenzene            | 20    | 19.1   | ug/L | 96  | 1   |      | 70 (82) | 130 (107)   | 20 (20) |

() = LABORATORY INHOUSE LIMIT

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

**SW-846**

**SDG No.:** Q1945

**Client:** G Environmental

**Analytical Method:** SW8260-Low

**Datafile :** VX046054.D

| Lab Sample ID | Parameter                   | Spike | Result | Unit | Rec | RPD | Qual | Low     | Limits    | RPD     |
|---------------|-----------------------------|-------|--------|------|-----|-----|------|---------|-----------|---------|
|               |                             |       |        |      |     |     |      |         | High      |         |
| VX0506WBSD01  | 1,2-Dichlorobenzene         | 20    | 19.8   | ug/L | 99  | 2   |      | 70 (82) | 130 (109) | 20 (20) |
|               | 1,2-Dibromo-3-Chloropropane | 20    | 20.4   | ug/L | 102 | 4   |      | 40 (68) | 160 (112) | 20 (20) |
|               | 1,2,4-Trichlorobenzene      | 20    | 18.7   | ug/L | 94  | 3   |      | 70 (75) | 130 (113) | 20 (20) |
|               | 1,2,3-Trichlorobenzene      | 20    | 18.7   | ug/L | 94  | 3   |      | 70 (76) | 130 (114) | 20 (20) |

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VX0506WBL01

Lab Name: CHEMTECH

Contract: GENV01

Lab Code: CHEM Case No.: Q1945

SAS No.: Q1945 SDG NO.: Q1945

Lab File ID: VX046052.D

Lab Sample ID: VX0506WBL01

Date Analyzed: 05/06/2025

Time Analyzed: 10:39

GC Column: DB-624UI ID: 0.18 (mm)

Heated Purge: (Y/N) N

Instrument ID: MSVOA\_X

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 |
|-------------------|------------------|----------------|------------------|
| VX0506WBS01       | VX0506WBS01      | VX046053.D     | 05/06/2025       |
| VX0506WBSD01      | VX0506WBSD01     | VX046054.D     | 05/06/2025       |
| GB1W              | Q1945-01         | VX046055.D     | 05/06/2025       |
| GB3W              | Q1945-02         | VX046056.D     | 05/06/2025       |

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

\_\_\_\_\_

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK  
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: GENV01  
Lab Code: CHEM Case No.: Q1945 SAS No.: Q1945 SDG NO.: Q1945  
Lab File ID: VX046038.D BFB Injection Date: 05/05/2025  
Instrument ID: MSVOA\_X BFB Injection Time: 09:37  
GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: Y/N N

| m/e | ION ABUNDANCE CRITERIA             | % RELATIVE ABUNDANCE |
|-----|------------------------------------|----------------------|
| 50  | 15.0 - 40.0% of mass 95            | 22.1                 |
| 75  | 30.0 - 60.0% of mass 95            | 56.2                 |
| 95  | Base Peak, 100% relative abundance | 100                  |
| 96  | 5.0 - 9.0% of mass 95              | 6.4                  |
| 173 | Less than 2.0% of mass 174         | 0.5 ( 0.7 ) 1        |
| 174 | 50.0 - 100.0% of mass 95           | 68.8                 |
| 175 | 5.0 - 9.0% of mass 174             | 5 ( 7.3 ) 1          |
| 176 | 95.0 - 101.0% of mass 174          | 66.7 ( 97 ) 1        |
| 177 | 5.0 - 9.0% of mass 176             | 4.6 ( 6.9 ) 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 |
|-------------------|------------------|----------------|------------------|------------------|
| VSTDIC020         | VSTDIC020        | VX046041.D     | 05/05/2025       | 11:35            |
| VSTDIC050         | VSTDIC050        | VX046042.D     | 05/05/2025       | 11:58            |
| VSTDIC100         | VSTDIC100        | VX046043.D     | 05/05/2025       | 12:21            |
| VSTDIC150         | VSTDIC150        | VX046044.D     | 05/05/2025       | 12:45            |
| VSTDIC005         | VSTDIC005        | VX046046.D     | 05/05/2025       | 16:04            |
| VSTDIC001         | VSTDIC001        | VX046047.D     | 05/05/2025       | 16:27            |

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK  
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: GENV01  
Lab Code: CHEM Case No.: Q1945 SAS No.: Q1945 SDG NO.: Q1945  
Lab File ID: VX046049.D BFB Injection Date: 05/06/2025  
Instrument ID: MSVOA\_X BFB Injection Time: 09:07  
GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: Y/N N

| m/e | ION ABUNDANCE CRITERIA             | % RELATIVE ABUNDANCE |
|-----|------------------------------------|----------------------|
| 50  | 15.0 - 40.0% of mass 95            | 22.7                 |
| 75  | 30.0 - 60.0% of mass 95            | 58.3                 |
| 95  | Base Peak, 100% relative abundance | 100                  |
| 96  | 5.0 - 9.0% of mass 95              | 6.5                  |
| 173 | Less than 2.0% of mass 174         | 0.5 ( 0.7 ) 1        |
| 174 | 50.0 - 100.0% of mass 95           | 67.6                 |
| 175 | 5.0 - 9.0% of mass 174             | 4.7 ( 6.9 ) 1        |
| 176 | 95.0 - 101.0% of mass 174          | 67.5 ( 99.9 ) 1      |
| 177 | 5.0 - 9.0% of mass 176             | 4.3 ( 6.3 ) 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       | VX046050.D     | 05/06/2025       | 09:48            |
| VX0506WBL01       | VX0506WBL01      | VX046052.D     | 05/06/2025       | 10:39            |
| VX0506WBS01       | VX0506WBS01      | VX046053.D     | 05/06/2025       | 11:02            |
| VX0506WBSD01      | VX0506WBSD01     | VX046054.D     | 05/06/2025       | 11:29            |
| GB1W              | Q1945-01         | VX046055.D     | 05/06/2025       | 11:52            |
| GB3W              | Q1945-02         | VX046056.D     | 05/06/2025       | 12:15            |

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: GENV01  
Lab Code: CHEM Case No.: Q1945 SAS No.: Q1945 SDG NO.: Q1945  
Lab File ID: VX046050.D Date Analyzed: 05/06/2025  
Instrument ID: MSVOA\_X Time Analyzed: 09:48  
GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

|                | IS1<br>AREA # | RT #  | IS2<br>AREA # | RT #  | IS3<br>AREA # | RT #   |
|----------------|---------------|-------|---------------|-------|---------------|--------|
| 12 HOUR STD    | 102261        | 5.54  | 171901        | 6.75  | 149362        | 10.05  |
| UPPER LIMIT    | 204522        | 6.037 | 343802        | 7.251 | 298724        | 10.549 |
| LOWER LIMIT    | 51130.5       | 5.037 | 85950.5       | 6.251 | 74681         | 9.549  |
| EPA SAMPLE NO. |               |       |               |       |               |        |
| GB1W           | 65315         | 5.54  | 126773        | 6.76  | 116564        | 10.05  |
| GB3W           | 65682         | 5.55  | 129171        | 6.76  | 117957        | 10.05  |
| VX0506WBL01    | 68197         | 5.54  | 136434        | 6.76  | 126551        | 10.05  |
| VX0506WBS01    | 94779         | 5.54  | 165135        | 6.76  | 143077        | 10.05  |
| VX0506WBSD01   | 95217         | 5.54  | 162321        | 6.76  | 142687        | 10.05  |

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.: Q1945 SAS No.: Q1945 SDG NO.: Q1945  
 Lab File ID: VX046050.D Date Analyzed: 05/06/2025  
 Instrument ID: MSVOA\_X Time Analyzed: 09:48  
 GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

|                | IS4<br>AREA # | RT #   |  |  |  |  |
|----------------|---------------|--------|--|--|--|--|
| 12 HOUR STD    | 71104         | 12.018 |  |  |  |  |
| UPPER LIMIT    | 142208        | 12.518 |  |  |  |  |
| LOWER LIMIT    | 35552         | 11.518 |  |  |  |  |
| EPA SAMPLE NO. |               |        |  |  |  |  |
| GB1W           | 48139         | 12.02  |  |  |  |  |
| GB3W           | 54778         | 12.02  |  |  |  |  |
| VX0506WBL01    | 54743         | 12.02  |  |  |  |  |
| VX0506WBS01    | 67454         | 12.02  |  |  |  |  |
| VX0506WBSD01   | 67703         | 12.02  |  |  |  |  |

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:           | Amsterdam       |           | Date Received:  |              |
| Client Sample ID:  | VX0506WBL01     |           | SDG No.:        | Q1945        |
| Lab Sample ID:     | VX0506WBL01     |           | Matrix:         | Water        |
| Analytical Method: | SW8260          |           | % Solid:        | 0            |
| Sample Wt/Vol:     | 5               | Units: mL | Final Vol:      | 5000 uL      |
| Soil Aliquot Vol:  |                 | uL        | Test:           | VOCMS Group1 |
| GC Column:         | DB-624UI        | ID : 0.18 | Level :         | LOW          |
| Prep Method :      |                 |           |                 |              |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VX046052.D        | 1         |           | 05/06/25 10:39 | VX050625      |

| CAS Number     | Parameter                      | Conc. | Qualifier | MDL   | LOQ / CRQL | Units |
|----------------|--------------------------------|-------|-----------|-------|------------|-------|
| <b>TARGETS</b> |                                |       |           |       |            |       |
| 75-71-8        | Dichlorodifluoromethane        | 0.22  | U         | 0.22  | 1.00       | ug/L  |
| 74-87-3        | Chloromethane                  | 0.32  | U         | 0.32  | 1.00       | ug/L  |
| 75-01-4        | Vinyl Chloride                 | 0.26  | U         | 0.26  | 1.00       | ug/L  |
| 74-83-9        | Bromomethane                   | 1.40  | U         | 1.40  | 5.00       | ug/L  |
| 75-00-3        | Chloroethane                   | 0.47  | U         | 0.47  | 1.00       | ug/L  |
| 75-69-4        | Trichlorofluoromethane         | 0.33  | U         | 0.33  | 1.00       | ug/L  |
| 76-13-1        | 1,1,2-Trichlorotrifluoroethane | 0.25  | U         | 0.25  | 1.00       | ug/L  |
| 75-65-0        | Tert butyl alcohol             | 5.50  | U         | 5.50  | 25.0       | ug/L  |
| 75-35-4        | 1,1-Dichloroethene             | 0.23  | U         | 0.23  | 1.00       | ug/L  |
| 67-64-1        | Acetone                        | 1.50  | U         | 1.50  | 5.00       | ug/L  |
| 75-15-0        | Carbon Disulfide               | 0.21  | U         | 0.21  | 1.00       | ug/L  |
| 1634-04-4      | Methyl tert-butyl Ether        | 0.16  | U         | 0.16  | 1.00       | ug/L  |
| 79-20-9        | Methyl Acetate                 | 0.27  | U         | 0.27  | 1.00       | ug/L  |
| 75-09-2        | Methylene Chloride             | 0.28  | U         | 0.28  | 1.00       | ug/L  |
| 156-60-5       | trans-1,2-Dichloroethene       | 0.23  | U         | 0.23  | 1.00       | ug/L  |
| 75-34-3        | 1,1-Dichloroethane             | 0.23  | U         | 0.23  | 1.00       | ug/L  |
| 110-82-7       | Cyclohexane                    | 1.50  | U         | 1.50  | 5.00       | ug/L  |
| 78-93-3        | 2-Butanone                     | 0.98  | U         | 0.98  | 5.00       | ug/L  |
| 56-23-5        | Carbon Tetrachloride           | 0.25  | U         | 0.25  | 1.00       | ug/L  |
| 156-59-2       | cis-1,2-Dichloroethene         | 0.19  | U         | 0.19  | 1.00       | ug/L  |
| 74-97-5        | Bromochloromethane             | 0.22  | U         | 0.22  | 1.00       | ug/L  |
| 67-66-3        | Chloroform                     | 0.25  | U         | 0.25  | 1.00       | ug/L  |
| 71-55-6        | 1,1,1-Trichloroethane          | 0.20  | U         | 0.20  | 1.00       | ug/L  |
| 108-87-2       | Methylcyclohexane              | 0.16  | U         | 0.16  | 1.00       | ug/L  |
| 71-43-2        | Benzene                        | 0.15  | U         | 0.15  | 1.00       | ug/L  |
| 107-06-2       | 1,2-Dichloroethane             | 0.22  | U         | 0.22  | 1.00       | ug/L  |
| 79-01-6        | Trichloroethene                | 0.090 | U         | 0.090 | 1.00       | ug/L  |
| 78-87-5        | 1,2-Dichloropropane            | 0.20  | U         | 0.20  | 1.00       | ug/L  |
| 75-27-4        | Bromodichloromethane           | 0.22  | U         | 0.22  | 1.00       | ug/L  |
| 108-10-1       | 4-Methyl-2-Pentanone           | 0.68  | U         | 0.68  | 5.00       | ug/L  |

## Report of Analysis

|                    |                 |        |      |                 |              |
|--------------------|-----------------|--------|------|-----------------|--------------|
| Client:            | G Environmental |        |      | Date Collected: |              |
| Project:           | Amsterdam       |        |      | Date Received:  |              |
| Client Sample ID:  | VX0506WBL01     |        |      | SDG No.:        | Q1945        |
| Lab Sample ID:     | VX0506WBL01     |        |      | Matrix:         | Water        |
| Analytical Method: | SW8260          |        |      | % Solid:        | 0            |
| Sample Wt/Vol:     | 5               | Units: | mL   | Final Vol:      | 5000 uL      |
| Soil Aliquot Vol:  |                 |        | uL   | Test:           | VOCMS Group1 |
| GC Column:         | DB-624UI        | ID :   | 0.18 | Level :         | LOW          |
| Prep Method :      |                 |        |      |                 |              |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
|-------------------|-----------|-----------|----------------|---------------|
| VX046052.D        | 1         |           | 05/06/25 10:39 | VX050625      |

| CAS Number                | Parameter                   | Conc.  | Qualifier | MDL                 | LOQ / CRQL | Units   |
|---------------------------|-----------------------------|--------|-----------|---------------------|------------|---------|
| 108-88-3                  | Toluene                     | 0.14   | U         | 0.14                | 1.00       | ug/L    |
| 10061-02-6                | t-1,3-Dichloropropene       | 0.17   | U         | 0.17                | 1.00       | ug/L    |
| 10061-01-5                | cis-1,3-Dichloropropene     | 0.16   | U         | 0.16                | 1.00       | ug/L    |
| 79-00-5                   | 1,1,2-Trichloroethane       | 0.21   | U         | 0.21                | 1.00       | ug/L    |
| 591-78-6                  | 2-Hexanone                  | 0.89   | U         | 0.89                | 5.00       | ug/L    |
| 124-48-1                  | Dibromochloromethane        | 0.18   | U         | 0.18                | 1.00       | ug/L    |
| 106-93-4                  | 1,2-Dibromoethane           | 0.15   | U         | 0.15                | 1.00       | ug/L    |
| 127-18-4                  | Tetrachloroethene           | 0.23   | U         | 0.23                | 1.00       | ug/L    |
| 108-90-7                  | Chlorobenzene               | 0.12   | U         | 0.12                | 1.00       | ug/L    |
| 100-41-4                  | Ethyl Benzene               | 0.13   | U         | 0.13                | 1.00       | ug/L    |
| 179601-23-1               | m/p-Xylenes                 | 0.24   | U         | 0.24                | 2.00       | ug/L    |
| 95-47-6                   | o-Xylene                    | 0.12   | U         | 0.12                | 1.00       | ug/L    |
| 100-42-5                  | Styrene                     | 0.15   | U         | 0.15                | 1.00       | ug/L    |
| 75-25-2                   | Bromoform                   | 0.19   | U         | 0.19                | 1.00       | ug/L    |
| 98-82-8                   | Isopropylbenzene            | 0.12   | U         | 0.12                | 1.00       | ug/L    |
| 79-34-5                   | 1,1,2,2-Tetrachloroethane   | 0.26   | U         | 0.26                | 1.00       | ug/L    |
| 541-73-1                  | 1,3-Dichlorobenzene         | 0.16   | U         | 0.16                | 1.00       | ug/L    |
| 106-46-7                  | 1,4-Dichlorobenzene         | 0.19   | U         | 0.19                | 1.00       | ug/L    |
| 95-50-1                   | 1,2-Dichlorobenzene         | 0.16   | U         | 0.16                | 1.00       | ug/L    |
| 96-12-8                   | 1,2-Dibromo-3-Chloropropane | 0.53   | U         | 0.53                | 1.00       | ug/L    |
| 120-82-1                  | 1,2,4-Trichlorobenzene      | 0.20   | U         | 0.20                | 1.00       | ug/L    |
| 87-61-6                   | 1,2,3-Trichlorobenzene      | 0.20   | U         | 0.20                | 1.00       | ug/L    |
| <b>SURROGATES</b>         |                             |        |           |                     |            |         |
| 17060-07-0                | 1,2-Dichloroethane-d4       | 53.4   |           | 70 (74) - 130 (125) | 107%       | SPK: 50 |
| 1868-53-7                 | Dibromofluoromethane        | 50.3   |           | 70 (75) - 130 (124) | 101%       | SPK: 50 |
| 2037-26-5                 | Toluene-d8                  | 49.6   |           | 70 (86) - 130 (113) | 99%        | SPK: 50 |
| 460-00-4                  | 4-Bromofluorobenzene        | 49.7   |           | 70 (77) - 130 (121) | 99%        | SPK: 50 |
| <b>INTERNAL STANDARDS</b> |                             |        |           |                     |            |         |
| 363-72-4                  | Pentafluorobenzene          | 68200  | 5.544     |                     |            |         |
| 540-36-3                  | 1,4-Difluorobenzene         | 136000 | 6.757     |                     |            |         |
| 3114-55-4                 | Chlorobenzene-d5            | 127000 | 10.049    |                     |            |         |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4      | 54700  | 12.018    |                     |            |         |

## Report of Analysis

|                    |                 |                 |       |
|--------------------|-----------------|-----------------|-------|
| Client:            | G Environmental | Date Collected: |       |
| Project:           | Amsterdam       | Date Received:  |       |
| Client Sample ID:  | VX0506WBL01     | SDG No.:        | Q1945 |
| Lab Sample ID:     | VX0506WBL01     | Matrix:         | Water |
| Analytical Method: | SW8260          | % Solid:        | 0     |
| Sample Wt/Vol:     | 5               | Units:          | mL    |
| Soil Aliquot Vol:  |                 |                 | uL    |
| GC Column:         | DB-624UI        | ID :            | 0.18  |
| Prep Method :      |                 | Level :         | LOW   |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
|-------------------|-----------|-----------|----------------|---------------|
| VX046052.D        | 1         |           | 05/06/25 10:39 | VX050625      |

| 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:           | Amsterdam       |           | Date Received:  |              |
| Client Sample ID:  | VX0506WBS01     |           | SDG No.:        | Q1945        |
| Lab Sample ID:     | VX0506WBS01     |           | Matrix:         | Water        |
| Analytical Method: | SW8260          |           | % Solid:        | 0            |
| Sample Wt/Vol:     | 5               | Units: mL | Final Vol:      | 5000 uL      |
| Soil Aliquot Vol:  |                 | uL        | Test:           | VOCMS Group1 |
| GC Column:         | DB-624UI        | ID : 0.18 | Level :         | LOW          |
| Prep Method :      |                 |           |                 |              |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VX046053.D        | 1         |           | 05/06/25 11:02 | VX050625      |

| CAS Number     | Parameter                      | Conc. | Qualifier | MDL   | LOQ / CRQL | Units |
|----------------|--------------------------------|-------|-----------|-------|------------|-------|
| <b>TARGETS</b> |                                |       |           |       |            |       |
| 75-71-8        | Dichlorodifluoromethane        | 20.6  |           | 0.22  | 1.00       | ug/L  |
| 74-87-3        | Chloromethane                  | 19.1  |           | 0.32  | 1.00       | ug/L  |
| 75-01-4        | Vinyl Chloride                 | 18.6  |           | 0.26  | 1.00       | ug/L  |
| 74-83-9        | Bromomethane                   | 20.2  |           | 1.40  | 5.00       | ug/L  |
| 75-00-3        | Chloroethane                   | 20.8  |           | 0.47  | 1.00       | ug/L  |
| 75-69-4        | Trichlorofluoromethane         | 19.3  |           | 0.33  | 1.00       | ug/L  |
| 76-13-1        | 1,1,2-Trichlorotrifluoroethane | 19.1  |           | 0.25  | 1.00       | ug/L  |
| 75-65-0        | Tert butyl alcohol             | 97.3  |           | 5.50  | 25.0       | ug/L  |
| 75-35-4        | 1,1-Dichloroethene             | 18.7  |           | 0.23  | 1.00       | ug/L  |
| 67-64-1        | Acetone                        | 94.9  |           | 1.50  | 5.00       | ug/L  |
| 75-15-0        | Carbon Disulfide               | 18.7  |           | 0.21  | 1.00       | ug/L  |
| 1634-04-4      | Methyl tert-butyl Ether        | 19.0  |           | 0.16  | 1.00       | ug/L  |
| 79-20-9        | Methyl Acetate                 | 19.1  |           | 0.27  | 1.00       | ug/L  |
| 75-09-2        | Methylene Chloride             | 18.1  |           | 0.28  | 1.00       | ug/L  |
| 156-60-5       | trans-1,2-Dichloroethene       | 18.9  |           | 0.23  | 1.00       | ug/L  |
| 75-34-3        | 1,1-Dichloroethane             | 19.6  |           | 0.23  | 1.00       | ug/L  |
| 110-82-7       | Cyclohexane                    | 18.9  |           | 1.50  | 5.00       | ug/L  |
| 78-93-3        | 2-Butanone                     | 97.6  |           | 0.98  | 5.00       | ug/L  |
| 56-23-5        | Carbon Tetrachloride           | 19.1  |           | 0.25  | 1.00       | ug/L  |
| 156-59-2       | cis-1,2-Dichloroethene         | 19.0  |           | 0.19  | 1.00       | ug/L  |
| 74-97-5        | Bromochloromethane             | 19.6  |           | 0.22  | 1.00       | ug/L  |
| 67-66-3        | Chloroform                     | 19.6  |           | 0.25  | 1.00       | ug/L  |
| 71-55-6        | 1,1,1-Trichloroethane          | 19.5  |           | 0.20  | 1.00       | ug/L  |
| 108-87-2       | Methylcyclohexane              | 18.4  |           | 0.16  | 1.00       | ug/L  |
| 71-43-2        | Benzene                        | 19.5  |           | 0.15  | 1.00       | ug/L  |
| 107-06-2       | 1,2-Dichloroethane             | 19.6  |           | 0.22  | 1.00       | ug/L  |
| 79-01-6        | Trichloroethene                | 18.9  |           | 0.090 | 1.00       | ug/L  |
| 78-87-5        | 1,2-Dichloropropane            | 19.9  |           | 0.20  | 1.00       | ug/L  |
| 75-27-4        | Bromodichloromethane           | 19.7  |           | 0.22  | 1.00       | ug/L  |
| 108-10-1       | 4-Methyl-2-Pentanone           | 99.1  |           | 0.68  | 5.00       | ug/L  |

## Report of Analysis

|                    |                 |        |      |                 |              |
|--------------------|-----------------|--------|------|-----------------|--------------|
| Client:            | G Environmental |        |      | Date Collected: |              |
| Project:           | Amsterdam       |        |      | Date Received:  |              |
| Client Sample ID:  | VX0506WBS01     |        |      | SDG No.:        | Q1945        |
| Lab Sample ID:     | VX0506WBS01     |        |      | Matrix:         | Water        |
| Analytical Method: | SW8260          |        |      | % Solid:        | 0            |
| Sample Wt/Vol:     | 5               | Units: | mL   | Final Vol:      | 5000 uL      |
| Soil Aliquot Vol:  |                 |        | uL   | Test:           | VOCMS Group1 |
| GC Column:         | DB-624UI        | ID :   | 0.18 | Level :         | LOW          |
| Prep Method :      |                 |        |      |                 |              |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VX046053.D        | 1         |           | 05/06/25 11:02 | VX050625      |

| CAS Number                | Parameter                   | Conc.  | Qualifier | MDL                 | LOQ / CRQL | Units   |
|---------------------------|-----------------------------|--------|-----------|---------------------|------------|---------|
| 108-88-3                  | Toluene                     | 19.5   |           | 0.14                | 1.00       | ug/L    |
| 10061-02-6                | t-1,3-Dichloropropene       | 18.8   |           | 0.17                | 1.00       | ug/L    |
| 10061-01-5                | cis-1,3-Dichloropropene     | 19.3   |           | 0.16                | 1.00       | ug/L    |
| 79-00-5                   | 1,1,2-Trichloroethane       | 19.4   |           | 0.21                | 1.00       | ug/L    |
| 591-78-6                  | 2-Hexanone                  | 100    |           | 0.89                | 5.00       | ug/L    |
| 124-48-1                  | Dibromochloromethane        | 20.1   |           | 0.18                | 1.00       | ug/L    |
| 106-93-4                  | 1,2-Dibromoethane           | 19.3   |           | 0.15                | 1.00       | ug/L    |
| 127-18-4                  | Tetrachloroethene           | 18.5   |           | 0.23                | 1.00       | ug/L    |
| 108-90-7                  | Chlorobenzene               | 18.9   |           | 0.12                | 1.00       | ug/L    |
| 100-41-4                  | Ethyl Benzene               | 19.4   |           | 0.13                | 1.00       | ug/L    |
| 179601-23-1               | m/p-Xylenes                 | 39.6   |           | 0.24                | 2.00       | ug/L    |
| 95-47-6                   | o-Xylene                    | 20.1   |           | 0.12                | 1.00       | ug/L    |
| 100-42-5                  | Styrene                     | 19.8   |           | 0.15                | 1.00       | ug/L    |
| 75-25-2                   | Bromoform                   | 18.5   |           | 0.19                | 1.00       | ug/L    |
| 98-82-8                   | Isopropylbenzene            | 19.6   |           | 0.12                | 1.00       | ug/L    |
| 79-34-5                   | 1,1,2,2-Tetrachloroethane   | 19.5   |           | 0.26                | 1.00       | ug/L    |
| 541-73-1                  | 1,3-Dichlorobenzene         | 18.9   |           | 0.16                | 1.00       | ug/L    |
| 106-46-7                  | 1,4-Dichlorobenzene         | 18.9   |           | 0.19                | 1.00       | ug/L    |
| 95-50-1                   | 1,2-Dichlorobenzene         | 19.3   |           | 0.16                | 1.00       | ug/L    |
| 96-12-8                   | 1,2-Dibromo-3-Chloropropane | 19.5   |           | 0.53                | 1.00       | ug/L    |
| 120-82-1                  | 1,2,4-Trichlorobenzene      | 18.2   |           | 0.20                | 1.00       | ug/L    |
| 87-61-6                   | 1,2,3-Trichlorobenzene      | 18.2   |           | 0.20                | 1.00       | ug/L    |
| <b>SURROGATES</b>         |                             |        |           |                     |            |         |
| 17060-07-0                | 1,2-Dichloroethane-d4       | 45.4   |           | 70 (74) - 130 (125) | 91%        | SPK: 50 |
| 1868-53-7                 | Dibromofluoromethane        | 45.2   |           | 70 (75) - 130 (124) | 90%        | SPK: 50 |
| 2037-26-5                 | Toluene-d8                  | 45.6   |           | 70 (86) - 130 (113) | 91%        | SPK: 50 |
| 460-00-4                  | 4-Bromofluorobenzene        | 44.7   |           | 70 (77) - 130 (121) | 89%        | SPK: 50 |
| <b>INTERNAL STANDARDS</b> |                             |        |           |                     |            |         |
| 363-72-4                  | Pentafluorobenzene          | 94800  | 5.544     |                     |            |         |
| 540-36-3                  | 1,4-Difluorobenzene         | 165000 | 6.757     |                     |            |         |
| 3114-55-4                 | Chlorobenzene-d5            | 143000 | 10.049    |                     |            |         |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4      | 67500  | 12.018    |                     |            |         |

## Report of Analysis

|                    |                 |           |                 |              |
|--------------------|-----------------|-----------|-----------------|--------------|
| Client:            | G Environmental |           | Date Collected: |              |
| Project:           | Amsterdam       |           | Date Received:  |              |
| Client Sample ID:  | VX0506WBS01     |           | SDG No.:        | Q1945        |
| Lab Sample ID:     | VX0506WBS01     |           | Matrix:         | Water        |
| Analytical Method: | SW8260          |           | % Solid:        | 0            |
| Sample Wt/Vol:     | 5               | Units: mL | Final Vol:      | 5000 uL      |
| Soil Aliquot Vol:  |                 | uL        | Test:           | VOCMS Group1 |
| GC Column:         | DB-624UI        | ID : 0.18 | Level :         | LOW          |
| Prep Method :      |                 |           |                 |              |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VX046053.D        | 1         |           | 05/06/25 11:02 | VX050625      |

| 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:           | Amsterdam       |           | Date Received:  |              |
| Client Sample ID:  | VX0506WBSD01    |           | SDG No.:        | Q1945        |
| Lab Sample ID:     | VX0506WBSD01    |           | Matrix:         | Water        |
| Analytical Method: | SW8260          |           | % Solid:        | 0            |
| Sample Wt/Vol:     | 5               | Units: mL | Final Vol:      | 5000 uL      |
| Soil Aliquot Vol:  |                 | uL        | Test:           | VOCMS Group1 |
| GC Column:         | DB-624UI        | ID : 0.18 | Level :         | LOW          |
| Prep Method :      |                 |           |                 |              |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VX046054.D        | 1         |           | 05/06/25 11:29 | VX050625      |

| CAS Number     | Parameter                      | Conc. | Qualifier | MDL   | LOQ / CRQL | Units |
|----------------|--------------------------------|-------|-----------|-------|------------|-------|
| <b>TARGETS</b> |                                |       |           |       |            |       |
| 75-71-8        | Dichlorodifluoromethane        | 19.8  |           | 0.22  | 1.00       | ug/L  |
| 74-87-3        | Chloromethane                  | 18.6  |           | 0.32  | 1.00       | ug/L  |
| 75-01-4        | Vinyl Chloride                 | 17.6  |           | 0.26  | 1.00       | ug/L  |
| 74-83-9        | Bromomethane                   | 18.9  |           | 1.40  | 5.00       | ug/L  |
| 75-00-3        | Chloroethane                   | 19.2  |           | 0.47  | 1.00       | ug/L  |
| 75-69-4        | Trichlorofluoromethane         | 19.3  |           | 0.33  | 1.00       | ug/L  |
| 76-13-1        | 1,1,2-Trichlorotrifluoroethane | 18.7  |           | 0.25  | 1.00       | ug/L  |
| 75-65-0        | Tert butyl alcohol             | 98.7  |           | 5.50  | 25.0       | ug/L  |
| 75-35-4        | 1,1-Dichloroethene             | 18.3  |           | 0.23  | 1.00       | ug/L  |
| 67-64-1        | Acetone                        | 95.4  |           | 1.50  | 5.00       | ug/L  |
| 75-15-0        | Carbon Disulfide               | 17.9  |           | 0.21  | 1.00       | ug/L  |
| 1634-04-4      | Methyl tert-butyl Ether        | 19.2  |           | 0.16  | 1.00       | ug/L  |
| 79-20-9        | Methyl Acetate                 | 20.1  |           | 0.27  | 1.00       | ug/L  |
| 75-09-2        | Methylene Chloride             | 18.4  |           | 0.28  | 1.00       | ug/L  |
| 156-60-5       | trans-1,2-Dichloroethene       | 18.6  |           | 0.23  | 1.00       | ug/L  |
| 75-34-3        | 1,1-Dichloroethane             | 19.2  |           | 0.23  | 1.00       | ug/L  |
| 110-82-7       | Cyclohexane                    | 18.5  |           | 1.50  | 5.00       | ug/L  |
| 78-93-3        | 2-Butanone                     | 99.9  |           | 0.98  | 5.00       | ug/L  |
| 56-23-5        | Carbon Tetrachloride           | 19.1  |           | 0.25  | 1.00       | ug/L  |
| 156-59-2       | cis-1,2-Dichloroethene         | 19.0  |           | 0.19  | 1.00       | ug/L  |
| 74-97-5        | Bromochloromethane             | 19.8  |           | 0.22  | 1.00       | ug/L  |
| 67-66-3        | Chloroform                     | 19.1  |           | 0.25  | 1.00       | ug/L  |
| 71-55-6        | 1,1,1-Trichloroethane          | 18.9  |           | 0.20  | 1.00       | ug/L  |
| 108-87-2       | Methylcyclohexane              | 18.7  |           | 0.16  | 1.00       | ug/L  |
| 71-43-2        | Benzene                        | 19.5  |           | 0.15  | 1.00       | ug/L  |
| 107-06-2       | 1,2-Dichloroethane             | 20.2  |           | 0.22  | 1.00       | ug/L  |
| 79-01-6        | Trichloroethene                | 19.1  |           | 0.090 | 1.00       | ug/L  |
| 78-87-5        | 1,2-Dichloropropane            | 19.0  |           | 0.20  | 1.00       | ug/L  |
| 75-27-4        | Bromodichloromethane           | 20.0  |           | 0.22  | 1.00       | ug/L  |
| 108-10-1       | 4-Methyl-2-Pentanone           | 100   |           | 0.68  | 5.00       | ug/L  |

### Report of Analysis

|                    |                 |           |                 |              |
|--------------------|-----------------|-----------|-----------------|--------------|
| Client:            | G Environmental |           | Date Collected: |              |
| Project:           | Amsterdam       |           | Date Received:  |              |
| Client Sample ID:  | VX0506WBSD01    |           | SDG No.:        | Q1945        |
| Lab Sample ID:     | VX0506WBSD01    |           | Matrix:         | Water        |
| Analytical Method: | SW8260          |           | % Solid:        | 0            |
| Sample Wt/Vol:     | 5               | Units: mL | Final Vol:      | 5000 uL      |
| Soil Aliquot Vol:  |                 | uL        | Test:           | VOCMS Group1 |
| GC Column:         | DB-624UI        | ID : 0.18 | Level :         | LOW          |
| Prep Method :      |                 |           |                 |              |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VX046054.D        | 1         |           | 05/06/25 11:29 | VX050625      |

| CAS Number                | Parameter                   | Conc.  | Qualifier | MDL                 | LOQ / CRQL | Units   |
|---------------------------|-----------------------------|--------|-----------|---------------------|------------|---------|
| 108-88-3                  | Toluene                     | 19.8   |           | 0.14                | 1.00       | ug/L    |
| 10061-02-6                | t-1,3-Dichloropropene       | 19.9   |           | 0.17                | 1.00       | ug/L    |
| 10061-01-5                | cis-1,3-Dichloropropene     | 19.8   |           | 0.16                | 1.00       | ug/L    |
| 79-00-5                   | 1,1,2-Trichloroethane       | 20.7   |           | 0.21                | 1.00       | ug/L    |
| 591-78-6                  | 2-Hexanone                  | 110    |           | 0.89                | 5.00       | ug/L    |
| 124-48-1                  | Dibromochloromethane        | 19.9   |           | 0.18                | 1.00       | ug/L    |
| 106-93-4                  | 1,2-Dibromoethane           | 20.7   |           | 0.15                | 1.00       | ug/L    |
| 127-18-4                  | Tetrachloroethene           | 18.4   |           | 0.23                | 1.00       | ug/L    |
| 108-90-7                  | Chlorobenzene               | 19.0   |           | 0.12                | 1.00       | ug/L    |
| 100-41-4                  | Ethyl Benzene               | 19.2   |           | 0.13                | 1.00       | ug/L    |
| 179601-23-1               | m/p-Xylenes                 | 39.1   |           | 0.24                | 2.00       | ug/L    |
| 95-47-6                   | o-Xylene                    | 19.6   |           | 0.12                | 1.00       | ug/L    |
| 100-42-5                  | Styrene                     | 20.0   |           | 0.15                | 1.00       | ug/L    |
| 75-25-2                   | Bromoform                   | 19.4   |           | 0.19                | 1.00       | ug/L    |
| 98-82-8                   | Isopropylbenzene            | 19.6   |           | 0.12                | 1.00       | ug/L    |
| 79-34-5                   | 1,1,2,2-Tetrachloroethane   | 19.9   |           | 0.26                | 1.00       | ug/L    |
| 541-73-1                  | 1,3-Dichlorobenzene         | 19.1   |           | 0.16                | 1.00       | ug/L    |
| 106-46-7                  | 1,4-Dichlorobenzene         | 19.1   |           | 0.19                | 1.00       | ug/L    |
| 95-50-1                   | 1,2-Dichlorobenzene         | 19.8   |           | 0.16                | 1.00       | ug/L    |
| 96-12-8                   | 1,2-Dibromo-3-Chloropropane | 20.4   |           | 0.53                | 1.00       | ug/L    |
| 120-82-1                  | 1,2,4-Trichlorobenzene      | 18.7   |           | 0.20                | 1.00       | ug/L    |
| 87-61-6                   | 1,2,3-Trichlorobenzene      | 18.7   |           | 0.20                | 1.00       | ug/L    |
| <b>SURROGATES</b>         |                             |        |           |                     |            |         |
| 17060-07-0                | 1,2-Dichloroethane-d4       | 46.2   |           | 70 (74) - 130 (125) | 92%        | SPK: 50 |
| 1868-53-7                 | Dibromofluoromethane        | 47.3   |           | 70 (75) - 130 (124) | 95%        | SPK: 50 |
| 2037-26-5                 | Toluene-d8                  | 46.6   |           | 70 (86) - 130 (113) | 93%        | SPK: 50 |
| 460-00-4                  | 4-Bromofluorobenzene        | 45.9   |           | 70 (77) - 130 (121) | 92%        | SPK: 50 |
| <b>INTERNAL STANDARDS</b> |                             |        |           |                     |            |         |
| 363-72-4                  | Pentafluorobenzene          | 95200  | 5.544     |                     |            |         |
| 540-36-3                  | 1,4-Difluorobenzene         | 162000 | 6.757     |                     |            |         |
| 3114-55-4                 | Chlorobenzene-d5            | 143000 | 10.049    |                     |            |         |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4      | 67700  | 12.018    |                     |            |         |



## Report of Analysis

|                    |                 |           |                 |              |
|--------------------|-----------------|-----------|-----------------|--------------|
| Client:            | G Environmental |           | Date Collected: |              |
| Project:           | Amsterdam       |           | Date Received:  |              |
| Client Sample ID:  | VX0506WBSD01    |           | SDG No.:        | Q1945        |
| Lab Sample ID:     | VX0506WBSD01    |           | Matrix:         | Water        |
| Analytical Method: | SW8260          |           | % Solid:        | 0            |
| Sample Wt/Vol:     | 5               | Units: mL | Final Vol:      | 5000 uL      |
| Soil Aliquot Vol:  |                 | uL        | Test:           | VOCMS Group1 |
| GC Column:         | DB-624UI        | ID : 0.18 | Level :         | LOW          |
| Prep Method :      |                 |           |                 |              |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VX046054.D        | 1         |           | 05/06/25 11:29 | VX050625      |

| 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.: Q1945 SAS No.: Q1945 SDG No.: Q1945

Instrument ID: MSVOA\_X Calibration Date(s): 05/05/2025 05/05/2025

Heated Purge: (Y/N) N Calibration Time(s): 11:35 16:27

GC Column: DB-624UI ID: 0.18 (mm)

| LAB FILE ID:                   |        |        |                     |        |        |                     |       |       |
|--------------------------------|--------|--------|---------------------|--------|--------|---------------------|-------|-------|
| RRF020 = VX046041.D            |        |        | RRF050 = VX046042.D |        |        | RRF100 = VX046043.D |       |       |
| RRF150 = VX046044.D            |        |        | RRF005 = VX046046.D |        |        | RRF001 = VX046047.D |       |       |
| COMPOUND                       | RRF020 | RRF050 | RRF100              | RRF150 | RRF005 | RRF001              | RRF   | % RSD |
| Dichlorodifluoromethane        | 0.697  | 0.864  | 0.859               | 0.875  | 0.639  | 0.658               | 0.765 | 14.6  |
| Chloromethane                  | 0.727  | 0.775  | 0.787               | 0.791  | 0.679  | 0.694               | 0.742 | 6.6   |
| Vinyl Chloride                 | 0.660  | 0.710  | 0.727               | 0.755  | 0.619  | 0.673               | 0.691 | 7.2   |
| Bromomethane                   | 0.296  | 0.326  | 0.340               | 0.334  | 0.305  |                     | 0.320 | 5.8   |
| Chloroethane                   | 0.354  | 0.378  | 0.329               | 0.317  | 0.368  | 0.467               | 0.369 | 14.4  |
| Trichlorofluoromethane         | 1.035  | 1.068  | 0.983               | 0.985  | 0.990  | 1.064               | 1.021 | 3.9   |
| 1,1,2-Trichlorotrifluoroethane | 0.628  | 0.641  | 0.629               | 0.648  | 0.610  | 0.633               | 0.632 | 2.1   |
| Tert butyl alcohol             | 0.122  | 0.129  | 0.144               | 0.146  | 0.114  |                     | 0.131 | 10.4  |
| 1,1-Dichloroethene             | 0.565  | 0.601  | 0.607               | 0.625  | 0.567  | 0.594               | 0.593 | 3.9   |
| Acetone                        | 0.361  | 0.362  | 0.361               | 0.370  | 0.408  | 0.380               | 0.374 | 4.9   |
| Carbon Disulfide               | 1.295  | 1.455  | 1.522               | 1.597  | 1.141  | 1.423               | 1.406 | 11.7  |
| Methyl tert-butyl Ether        | 2.044  | 2.160  | 2.172               | 2.239  | 1.908  | 1.949               | 2.079 | 6.4   |
| Methyl Acetate                 | 0.814  | 0.848  | 0.845               | 0.875  | 0.816  | 1.006               | 0.867 | 8.3   |
| Methylene Chloride             | 0.689  | 0.684  | 0.691               | 0.691  | 0.689  | 0.853               | 0.716 | 9.4   |
| trans-1,2-Dichloroethene       | 0.573  | 0.610  | 0.612               | 0.622  | 0.557  | 0.604               | 0.596 | 4.3   |
| 1,1-Dichloroethane             | 1.233  | 1.263  | 1.263               | 1.286  | 1.154  | 1.116               | 1.219 | 5.6   |
| Cyclohexane                    | 1.090  | 1.128  | 1.128               | 1.150  | 1.059  |                     | 1.111 | 3.3   |
| 2-Butanone                     | 0.540  | 0.555  | 0.558               | 0.569  | 0.539  | 0.495               | 0.543 | 4.8   |
| Carbon Tetrachloride           | 0.528  | 0.558  | 0.552               | 0.577  | 0.505  | 0.541               | 0.544 | 4.6   |
| cis-1,2-Dichloroethene         | 0.716  | 0.737  | 0.738               | 0.755  | 0.642  | 0.719               | 0.718 | 5.5   |
| Bromochloromethane             | 0.628  | 0.578  | 0.595               | 0.590  | 0.553  | 0.576               | 0.587 | 4.3   |
| Chloroform                     | 1.287  | 1.296  | 1.277               | 1.300  | 1.199  | 1.265               | 1.271 | 3     |
| 1,1,1-Trichloroethane          | 1.106  | 1.131  | 1.155               | 1.188  | 1.013  | 1.015               | 1.101 | 6.6   |
| Methylcyclohexane              | 0.596  | 0.641  | 0.627               | 0.658  | 0.587  | 0.627               | 0.623 | 4.3   |
| Benzene                        | 1.426  | 1.474  | 1.441               | 1.477  | 1.337  | 1.348               | 1.417 | 4.3   |
| 1,2-Dichloroethane             | 0.632  | 0.627  | 0.611               | 0.625  | 0.594  | 0.579               | 0.612 | 3.5   |
| Trichloroethene                | 0.344  | 0.355  | 0.345               | 0.362  | 0.315  | 0.324               | 0.341 | 5.3   |
| 1,2-Dichloropropane            | 0.356  | 0.371  | 0.368               | 0.378  | 0.324  | 0.317               | 0.352 | 7.4   |
| Bromodichloromethane           | 0.557  | 0.577  | 0.573               | 0.594  | 0.498  | 0.485               | 0.547 | 8.2   |
| 4-Methyl-2-Pentanone           | 0.620  | 0.634  | 0.630               | 0.631  | 0.555  | 0.561               | 0.605 | 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.: Q1945 SAS No.: Q1945 SDG No.: Q1945

Instrument ID: MSVOA\_X Calibration Date(s): 05/05/2025 05/05/2025

Heated Purge: (Y/N) N Calibration Time(s): 11:35 16:27

GC Column: DB-624UI ID: 0.18 (mm)

|                             |                     |        |        |                     |        |                     |       |       |
|-----------------------------|---------------------|--------|--------|---------------------|--------|---------------------|-------|-------|
| LAB FILE ID:                | RRF020 = VX046041.D |        |        | RRF050 = VX046042.D |        | RRF100 = VX046043.D |       |       |
|                             | RRF150 = VX046044.D |        |        | RRF005 = VX046046.D |        | RRF001 = VX046047.D |       |       |
| COMPOUND                    | RRF020              | RRF050 | RRF100 | RRF150              | RRF005 | RRF001              | RRF   | % RSD |
| Toluene                     | 0.884               | 0.898  | 0.885  | 0.904               | 0.838  | 0.803               | 0.869 | 4.5   |
| t-1,3-Dichloropropene       | 0.468               | 0.528  | 0.555  | 0.591               | 0.406  | 0.371               | 0.487 | 17.9  |
| cis-1,3-Dichloropropene     | 0.531               | 0.578  | 0.602  | 0.623               | 0.469  | 0.423               | 0.538 | 14.6  |
| 1,1,2-Trichloroethane       | 0.349               | 0.354  | 0.351  | 0.356               | 0.337  | 0.308               | 0.343 | 5.3   |
| 2-Hexanone                  | 0.466               | 0.473  | 0.477  | 0.473               | 0.414  | 0.385               | 0.448 | 8.7   |
| Dibromochloromethane        | 0.378               | 0.400  | 0.415  | 0.431               | 0.326  | 0.306               | 0.376 | 13.3  |
| 1,2-Dibromoethane           | 0.359               | 0.373  | 0.368  | 0.381               | 0.333  | 0.322               | 0.356 | 6.5   |
| Tetrachloroethene           | 0.390               | 0.375  | 0.345  | 0.344               | 0.323  | 0.347               | 0.354 | 6.8   |
| Chlorobenzene               | 1.093               | 1.098  | 1.085  | 1.114               | 1.046  | 1.131               | 1.094 | 2.7   |
| Ethyl Benzene               | 1.919               | 2.022  | 1.979  | 2.036               | 1.816  | 1.803               | 1.929 | 5.2   |
| m/p-Xylenes                 | 0.706               | 0.740  | 0.721  | 0.740               | 0.678  | 0.648               | 0.706 | 5.2   |
| o-Xylene                    | 0.688               | 0.727  | 0.706  | 0.726               | 0.639  | 0.642               | 0.688 | 5.7   |
| Styrene                     | 1.135               | 1.219  | 1.214  | 1.230               | 1.012  | 0.951               | 1.127 | 10.6  |
| Bromoform                   | 0.270               | 0.304  | 0.312  | 0.327               | 0.236  | 0.234               | 0.281 | 14.2  |
| Isopropylbenzene            | 3.843               | 4.130  | 3.876  | 4.156               | 3.562  | 3.789               | 3.893 | 5.7   |
| 1,1,2,2-Tetrachloroethane   | 1.315               | 1.338  | 1.284  | 1.345               | 1.350  | 1.552               | 1.364 | 7     |
| 1,3-Dichlorobenzene         | 1.633               | 1.701  | 1.656  | 1.730               | 1.558  | 1.619               | 1.649 | 3.7   |
| 1,4-Dichlorobenzene         | 1.629               | 1.693  | 1.639  | 1.722               | 1.606  | 1.817               | 1.684 | 4.6   |
| 1,2-Dichlorobenzene         | 1.613               | 1.696  | 1.634  | 1.702               | 1.577  | 1.710               | 1.655 | 3.3   |
| 1,2-Dibromo-3-Chloropropane | 0.299               | 0.322  | 0.329  | 0.356               | 0.248  | 0.259               | 0.302 | 13.9  |
| 1,2,4-Trichlorobenzene      | 0.861               | 0.981  | 1.035  | 1.123               | 0.842  | 0.862               | 0.951 | 12    |
| 1,2,3-Trichlorobenzene      | 0.921               | 1.019  | 1.051  | 1.107               | 0.846  | 0.941               | 0.981 | 9.7   |
| 1,2-Dichloroethane-d4       | 0.953               | 0.910  | 0.930  | 0.932               | 0.935  |                     | 0.932 | 1.6   |
| Dibromofluoromethane        | 0.359               | 0.355  | 0.364  | 0.368               | 0.354  |                     | 0.360 | 1.7   |
| Toluene-d8                  | 1.246               | 1.223  | 1.266  | 1.275               | 1.221  |                     | 1.246 | 2     |
| 4-Bromofluorobenzene        | 0.455               | 0.470  | 0.500  | 0.500               | 0.464  |                     | 0.478 | 4.4   |

\* 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.: Q1945 SAS No.: Q1945 SDG No.: Q1945

Instrument ID: MSVOA\_X Calibration Date/Time: 05/06/2025 09:48

Lab File ID: VX046050.D Init. Calib. Date(s): 05/05/2025 05/05/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:35 16:27

GC Column: DB-624UI ID: 0.18 (mm)

| COMPOUND                       | RRF   | RRF050 | MIN<br>RRF | %D    | MAX%D |
|--------------------------------|-------|--------|------------|-------|-------|
| Dichlorodifluoromethane        | 0.765 | 0.859  |            | 12.29 | 20    |
| Chloromethane                  | 0.742 | 0.774  | 0.1        | 4.31  | 20    |
| Vinyl Chloride                 | 0.691 | 0.694  |            | 0.43  | 20    |
| Bromomethane                   | 0.320 | 0.325  |            | 1.56  | 20    |
| Chloroethane                   | 0.369 | 0.367  |            | -0.54 | 20    |
| Trichlorofluoromethane         | 1.021 | 1.063  |            | 4.11  | 20    |
| 1,1,2-Trichlorotrifluoroethane | 0.632 | 0.632  |            | 0     | 20    |
| Tert butyl alcohol             | 0.131 | 0.124  |            | -5.34 | 20    |
| 1,1-Dichloroethene             | 0.593 | 0.583  |            | -1.69 | 20    |
| Acetone                        | 0.374 | 0.399  |            | 6.68  | 20    |
| Carbon Disulfide               | 1.406 | 1.452  |            | 3.27  | 20    |
| Methyl tert-butyl Ether        | 2.079 | 2.056  |            | -1.11 | 20    |
| Methyl Acetate                 | 0.867 | 0.818  |            | -5.65 | 20    |
| Methylene Chloride             | 0.716 | 0.666  |            | -6.98 | 20    |
| trans-1,2-Dichloroethene       | 0.596 | 0.589  |            | -1.17 | 20    |
| 1,1-Dichloroethane             | 1.219 | 1.186  | 0.1        | -2.71 | 20    |
| Cyclohexane                    | 1.111 | 1.091  |            | -1.8  | 20    |
| 2-Butanone                     | 0.543 | 0.539  |            | -0.74 | 20    |
| Carbon Tetrachloride           | 0.544 | 0.559  |            | 2.76  | 20    |
| cis-1,2-Dichloroethene         | 0.718 | 0.702  |            | -2.23 | 20    |
| Bromochloromethane             | 0.587 | 0.588  |            | 0.17  | 20    |
| Chloroform                     | 1.271 | 1.237  |            | -2.67 | 20    |
| 1,1,1-Trichloroethane          | 1.101 | 1.109  |            | 0.73  | 20    |
| Methylcyclohexane              | 0.623 | 0.642  |            | 3.05  | 20    |
| Benzene                        | 1.417 | 1.437  |            | 1.41  | 20    |
| 1,2-Dichloroethane             | 0.612 | 0.606  |            | -0.98 | 20    |
| Trichloroethene                | 0.341 | 0.345  |            | 1.17  | 20    |
| 1,2-Dichloropropane            | 0.352 | 0.364  |            | 3.41  | 20    |
| Bromodichloromethane           | 0.547 | 0.569  |            | 4.02  | 20    |
| 4-Methyl-2-Pentanone           | 0.605 | 0.611  |            | 0.99  | 20    |
| Toluene                        | 0.869 | 0.871  |            | 0.23  | 20    |
| t-1,3-Dichloropropene          | 0.487 | 0.522  |            | 7.19  | 20    |
| cis-1,3-Dichloropropene        | 0.538 | 0.577  |            | 7.25  | 20    |
| 1,1,2-Trichloroethane          | 0.343 | 0.341  |            | -0.58 | 20    |
| 2-Hexanone                     | 0.448 | 0.456  |            | 1.79  | 20    |
| Dibromochloromethane           | 0.376 | 0.401  |            | 6.65  | 20    |
| 1,2-Dibromoethane              | 0.356 | 0.358  |            | 0.56  | 20    |
| Tetrachloroethene              | 0.354 | 0.347  |            | -1.98 | 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.: Q1945 SAS No.: Q1945 SDG No.: Q1945

Instrument ID: MSVOA\_X Calibration Date/Time: 05/06/2025 09:48

Lab File ID: VX046050.D Init. Calib. Date(s): 05/05/2025 05/05/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:35 16:27

GC Column: DB-624UI ID: 0.18 (mm)

| COMPOUND                    | RRF   | RRF050 | MIN<br>RRF | %D    | MAX%D |
|-----------------------------|-------|--------|------------|-------|-------|
| Chlorobenzene               | 1.094 | 1.081  | 0.3        | -1.19 | 20    |
| Ethyl Benzene               | 1.929 | 1.984  |            | 2.85  | 20    |
| m/p-Xylenes                 | 0.706 | 0.723  |            | 2.41  | 20    |
| o-Xylene                    | 0.688 | 0.699  |            | 1.6   | 20    |
| Styrene                     | 1.127 | 1.202  |            | 6.66  | 20    |
| Bromoform                   | 0.281 | 0.298  | 0.1        | 6.05  | 20    |
| Isopropylbenzene            | 3.893 | 4.004  |            | 2.85  | 20    |
| 1,1,2,2-Tetrachloroethane   | 1.364 | 1.284  | 0.3        | -5.86 | 20    |
| 1,3-Dichlorobenzene         | 1.649 | 1.684  |            | 2.12  | 20    |
| 1,4-Dichlorobenzene         | 1.684 | 1.660  |            | -1.42 | 20    |
| 1,2-Dichlorobenzene         | 1.655 | 1.664  |            | 0.54  | 20    |
| 1,2-Dibromo-3-Chloropropane | 0.302 | 0.304  |            | 0.66  | 20    |
| 1,2,4-Trichlorobenzene      | 0.951 | 0.988  |            | 3.89  | 20    |
| 1,2,3-Trichlorobenzene      | 0.981 | 0.982  |            | 0.1   | 20    |
| 1,2-Dichloroethane-d4       | 0.932 | 0.875  |            | -6.12 | 20    |
| Dibromofluoromethane        | 0.360 | 0.358  |            | -0.56 | 20    |
| Toluene-d8                  | 1.246 | 1.235  |            | -0.88 | 20    |
| 4-Bromofluorobenzene        | 0.478 | 0.474  |            | -0.84 | 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\_X\Data\VX050625\  
Data File : VX046055.D  
Acq On : 06 May 2025 11:52  
Operator : JC/MD  
Sample : Q1945-01  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
GB1W

A  
B  
C  
D  
E  
F  
G  
H  
I  
J

Quant Time: May 07 01:45:30 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X050525W.M  
Quant Title : SW846 8260  
QLast Update : Tue May 06 07:12:22 2025  
Response via : Initial Calibration

| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Pentafluorobenzene       | 5.544  | 168   | 65315    | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.757  | 114   | 126773   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 10.049 | 117   | 116564   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.018 | 152   | 48139    | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 5.952  | 65    | 63334    | 52.012   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =      | 104.020% |
| 35) Dibromofluoromethane    | 5.385  | 113   | 45739    | 50.103   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =      | 100.200% |
| 50) Toluene-d8              | 8.647  | 98    | 159965   | 50.627   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =      | 101.260% |
| 62) 4-Bromofluorobenzene    | 11.079 | 95    | 59254    | 48.889   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 77 - 121 | Recovery | =      | 97.780%  |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          |        | Qvalue   |
| 16) Acetone                 | 2.379  | 43    | 1370     | 2.806    | ug/l # | 83       |
| -----                       |        |       |          |          |        |          |

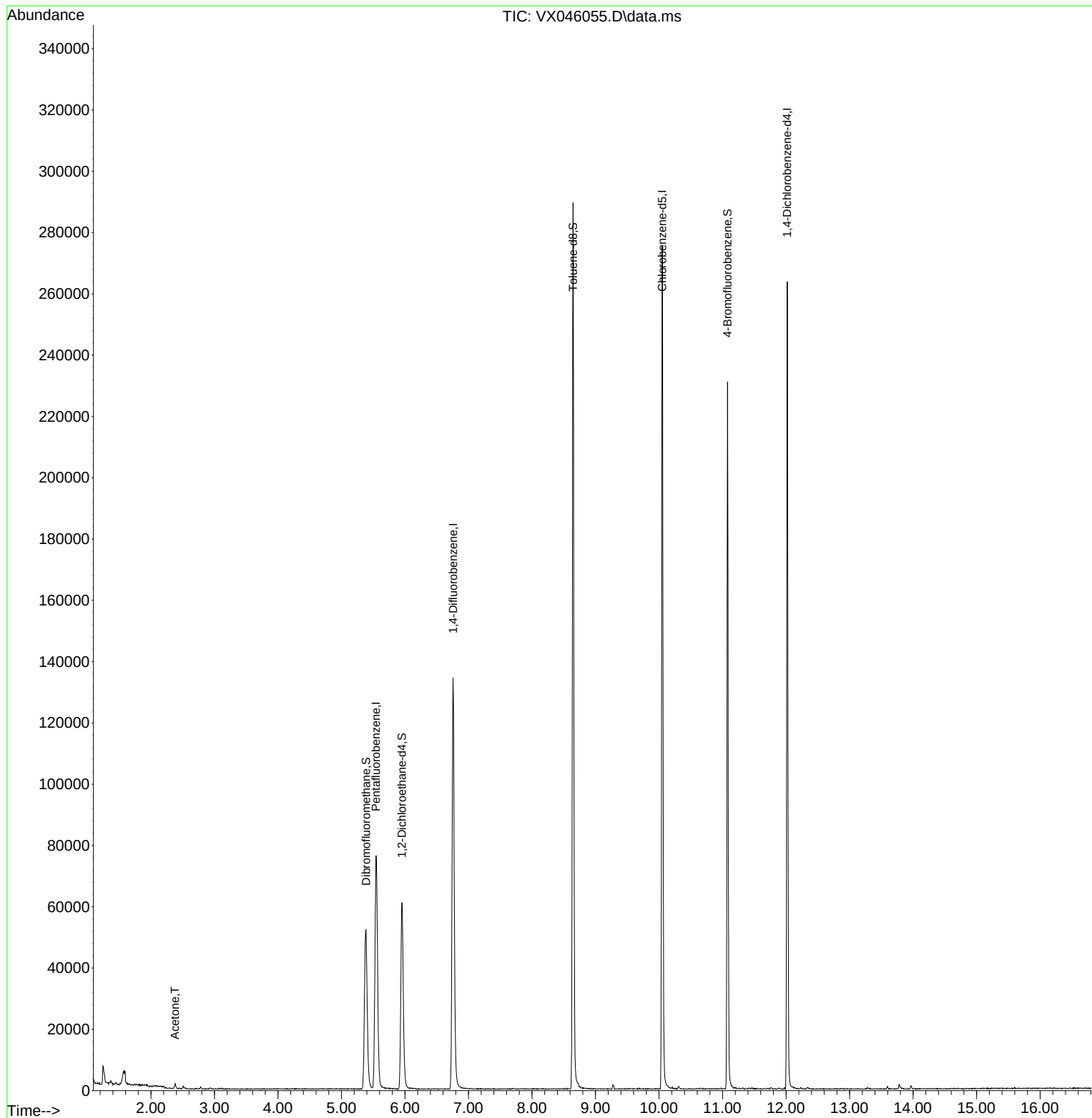
(#) = qualifier out of range (m) = manual integration (+) = signals summed

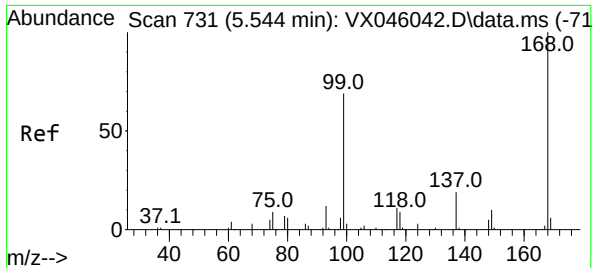


Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX050625\  
Data File : VX046055.D  
Acq On : 06 May 2025 11:52  
Operator : JC/MD  
Sample : Q1945-01  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
GB1W

Quant Time: May 07 01:45:30 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X050525W.M  
Quant Title : SW846 8260  
QLast Update : Tue May 06 07:12:22 2025  
Response via : Initial Calibration



#1  
Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.544 min Scan# 71

Delta R.T. -0.000 min

Lab File: VX046055.D

Acq: 06 May 2025 11:52

Instrument :

MSVOA\_X

ClientSampleId :

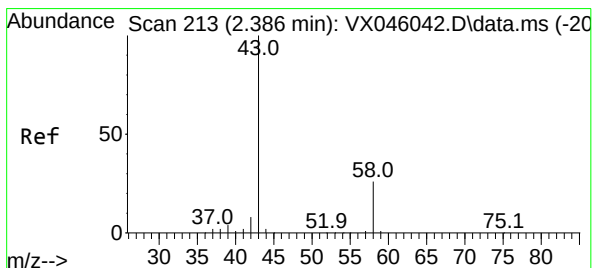
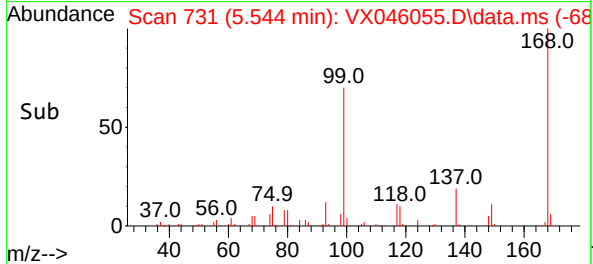
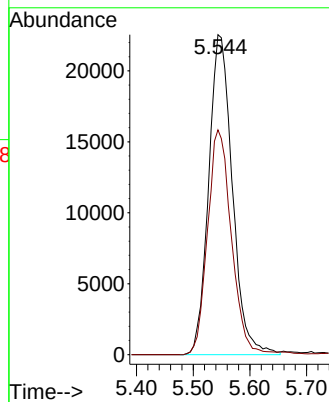
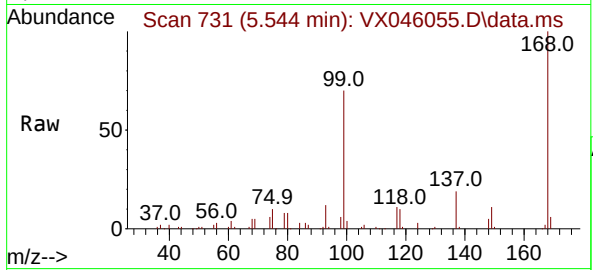
GB1W

Tgt Ion:168 Resp: 65315

Ion Ratio Lower Upper

168 100

99 70.3 54.9 82.3



#16

Acetone

Concen: 2.806 ug/l

RT: 2.379 min Scan# 212

Delta R.T. -0.006 min

Lab File: VX046055.D

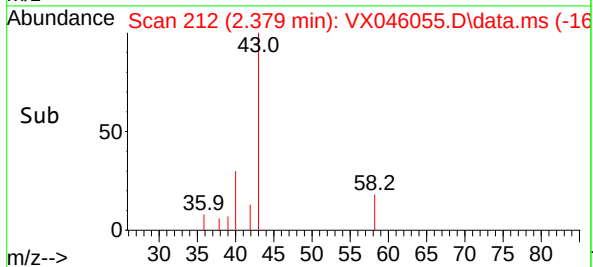
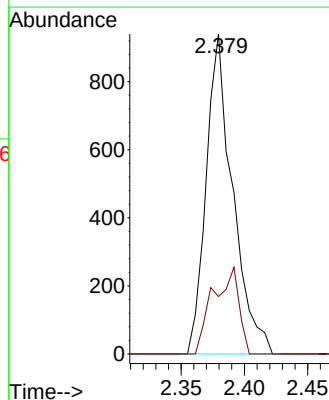
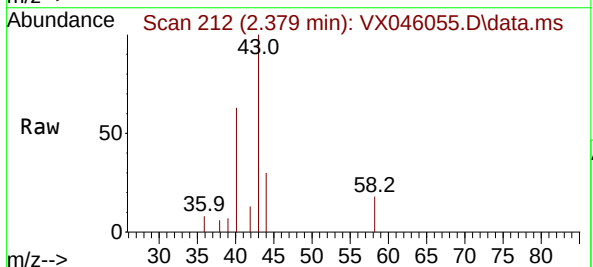
Acq: 06 May 2025 11:52

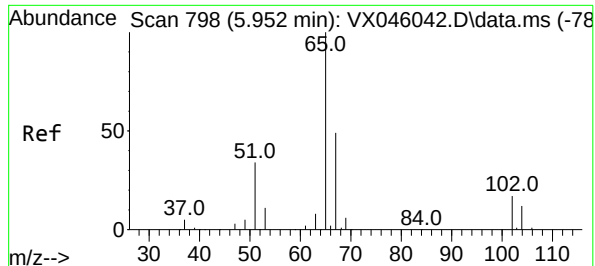
Tgt Ion: 43 Resp: 1370

Ion Ratio Lower Upper

43 100

58 18.0 21.2 31.8#





#33

1,2-Dichloroethane-d4

Concen: 52.012 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX046055.D

Acq: 06 May 2025 11:52

Instrument :

MSVOA\_X

ClientSampleId :

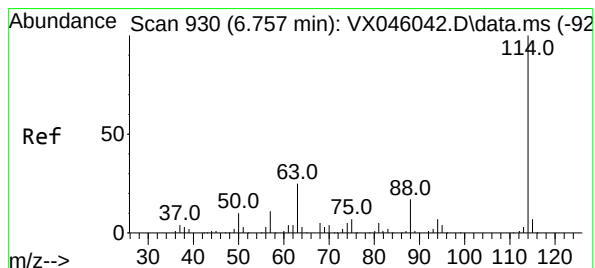
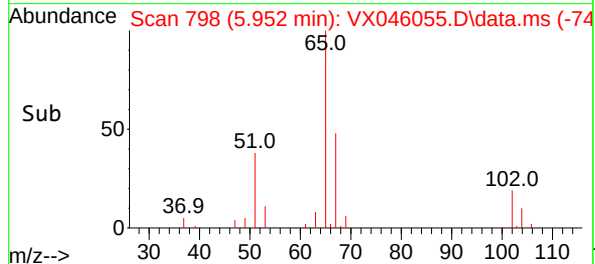
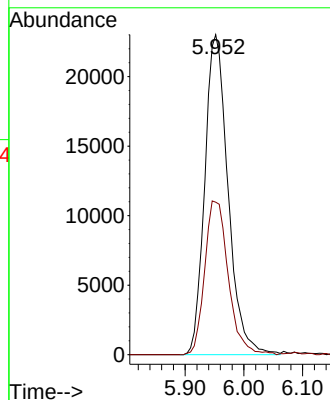
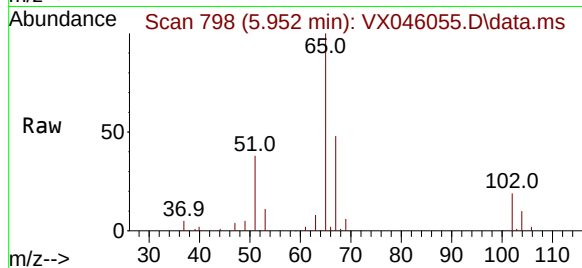
GB1W

Tgt Ion: 65 Resp: 63334

Ion Ratio Lower Upper

65 100

67 48.7 0.0 99.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.000 min

Lab File: VX046055.D

Acq: 06 May 2025 11:52

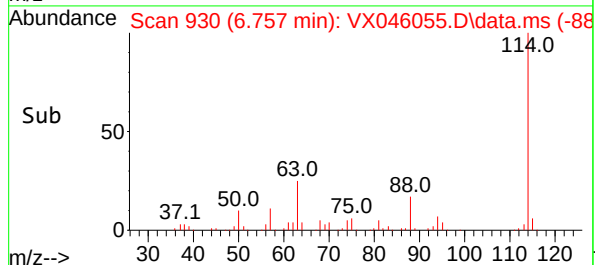
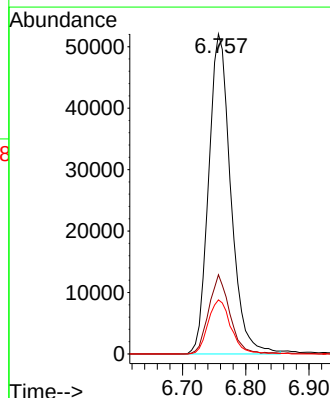
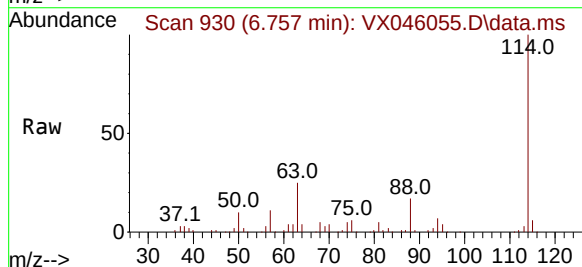
Tgt Ion: 114 Resp: 126773

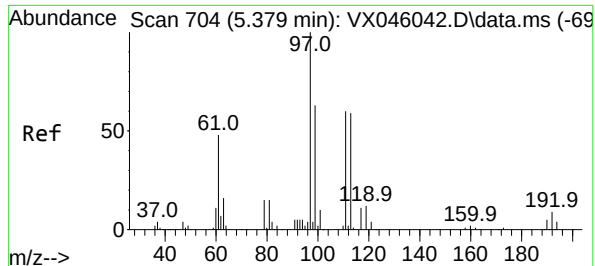
Ion Ratio Lower Upper

114 100

63 24.7 0.0 49.2

88 16.9 0.0 33.6





#35

Dibromofluoromethane

Concen: 50.103 ug/l

RT: 5.385 min Scan# 704

Delta R.T. 0.006 min

Lab File: VX046055.D

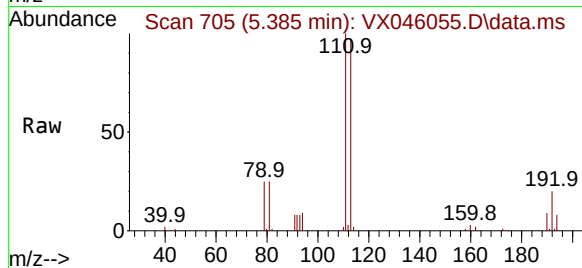
Acq: 06 May 2025 11:52

Instrument :

MSVOA\_X

ClientSampleId :

GB1W



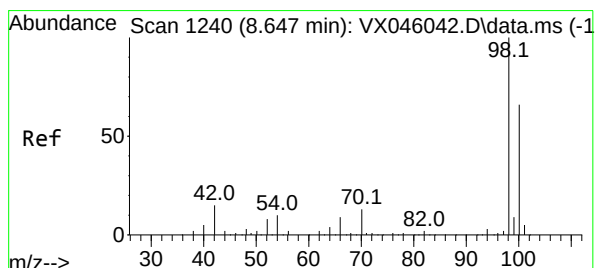
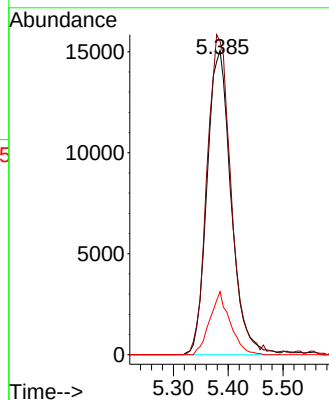
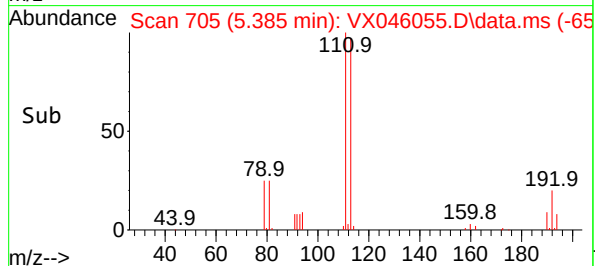
Tgt Ion:113 Resp: 45739

Ion Ratio Lower Upper

113 100

111 105.2 83.1 124.7

192 17.6 13.3 19.9



#50

Toluene-d8

Concen: 50.627 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.000 min

Lab File: VX046055.D

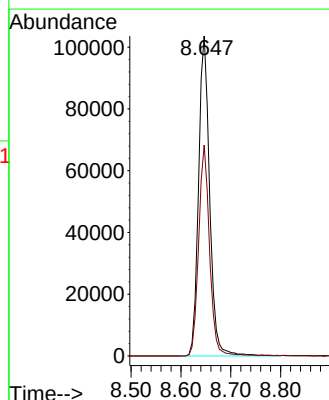
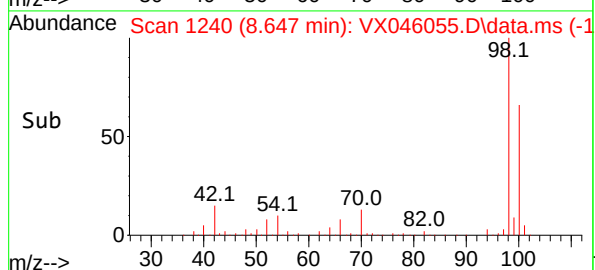
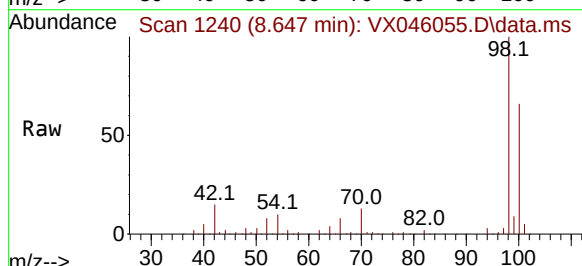
Acq: 06 May 2025 11:52

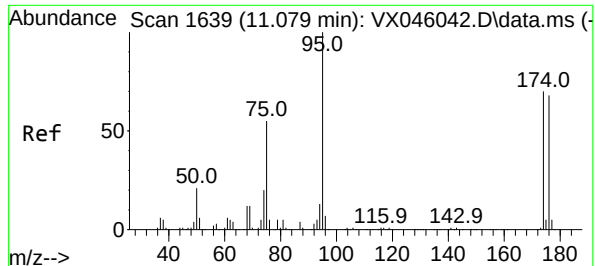
Tgt Ion: 98 Resp: 159965

Ion Ratio Lower Upper

98 100

100 65.1 53.5 80.3

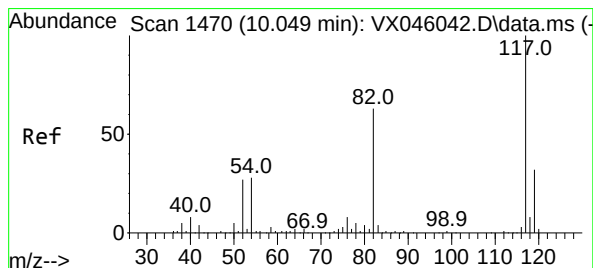
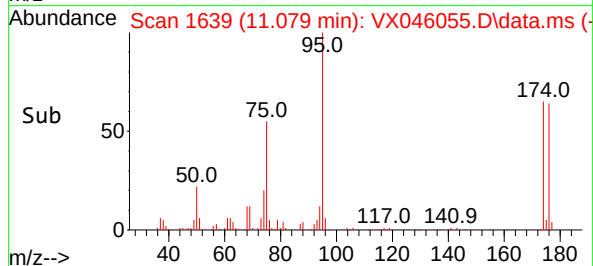
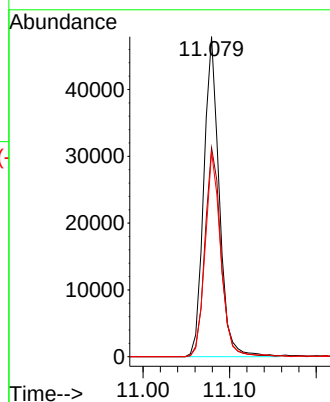
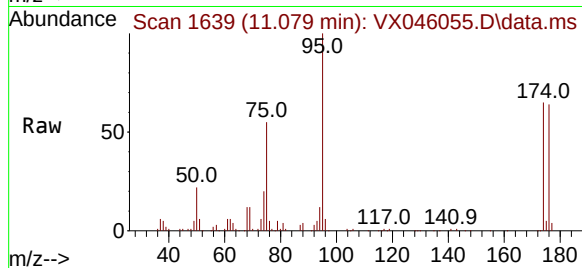




#62  
4-Bromofluorobenzene  
Concen: 48.889 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.000 min  
Lab File: VX046055.D  
Acq: 06 May 2025 11:52

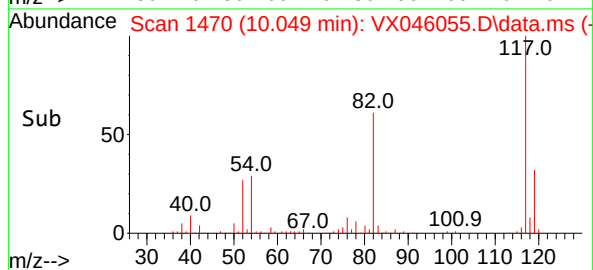
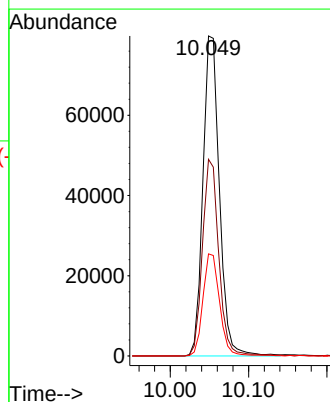
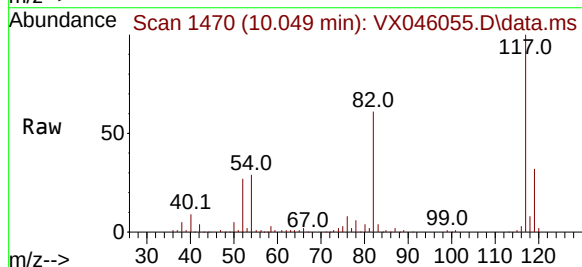
Instrument :  
MSVOA\_X  
ClientSampleId :  
GB1W

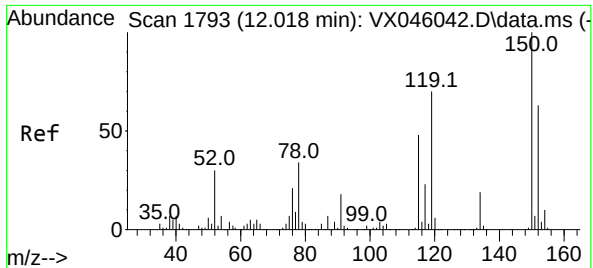
Tgt Ion: 95 Resp: 59254  
Ion Ratio Lower Upper  
95 100  
174 67.7 0.0 135.8  
176 64.8 0.0 131.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.049 min Scan# 1470  
Delta R.T. -0.000 min  
Lab File: VX046055.D  
Acq: 06 May 2025 11:52

Tgt Ion: 117 Resp: 116564  
Ion Ratio Lower Upper  
117 100  
82 61.4 50.6 76.0  
119 31.9 25.8 38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX046055.D

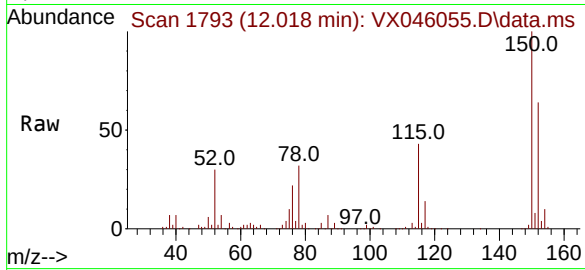
Acq: 06 May 2025 11:52

Instrument :

MSVOA\_X

ClientSampleId :

GB1W



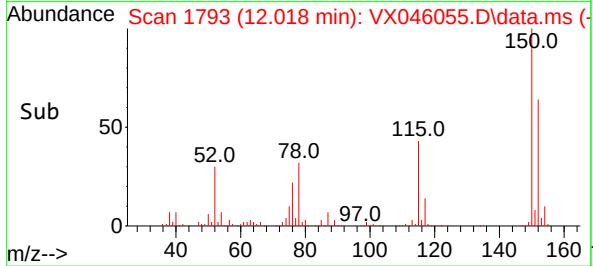
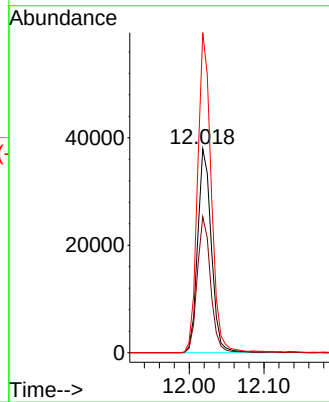
Tgt Ion:152 Resp: 48139

Ion Ratio Lower Upper

152 100

115 65.3 46.9 140.7

150 156.0 0.0 351.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX050625\  
Data File : VX046055.D  
Acq On : 06 May 2025 11:52  
Operator : JC/MD  
Sample : Q1945-01  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
GB1W

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

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

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X050525W.M

Title : SW846 8260

Signal : TIC: VX046055.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         | 1.246       | 22            | 26          | 33           | rBV2     | 5913           | 10964         | 2.46%           | 0.466%        |
| 2         | 1.575       | 71            | 80          | 81           | rBV2     | 4288           | 8805          | 1.97%           | 0.375%        |
| 3         | 5.385       | 693           | 705         | 720          | rBV      | 52000          | 158404        | 35.52%          | 6.739%        |
| 4         | 5.544       | 722           | 731         | 746          | rVV      | 75812          | 215855        | 48.40%          | 9.183%        |
| 5         | 5.952       | 788           | 798         | 816          | rBV      | 61032          | 166904        | 37.42%          | 7.100%        |
| 6         | 6.757       | 922           | 930         | 951          | rBV      | 134096         | 322621        | 72.34%          | 13.725%       |
| 7         | 8.647       | 1234          | 1240        | 1252         | rBV      | 289150         | 445992        | 100.00%         | 18.973%       |
| 8         | 10.049      | 1465          | 1470        | 1488         | rBV      | 274910         | 400657        | 89.84%          | 17.044%       |
| 9         | 11.079      | 1634          | 1639        | 1654         | rBV      | 230687         | 291009        | 65.25%          | 12.380%       |
| 10        | 12.018      | 1788          | 1793        | 1805         | rBV      | 263509         | 329469        | 73.87%          | 14.016%       |

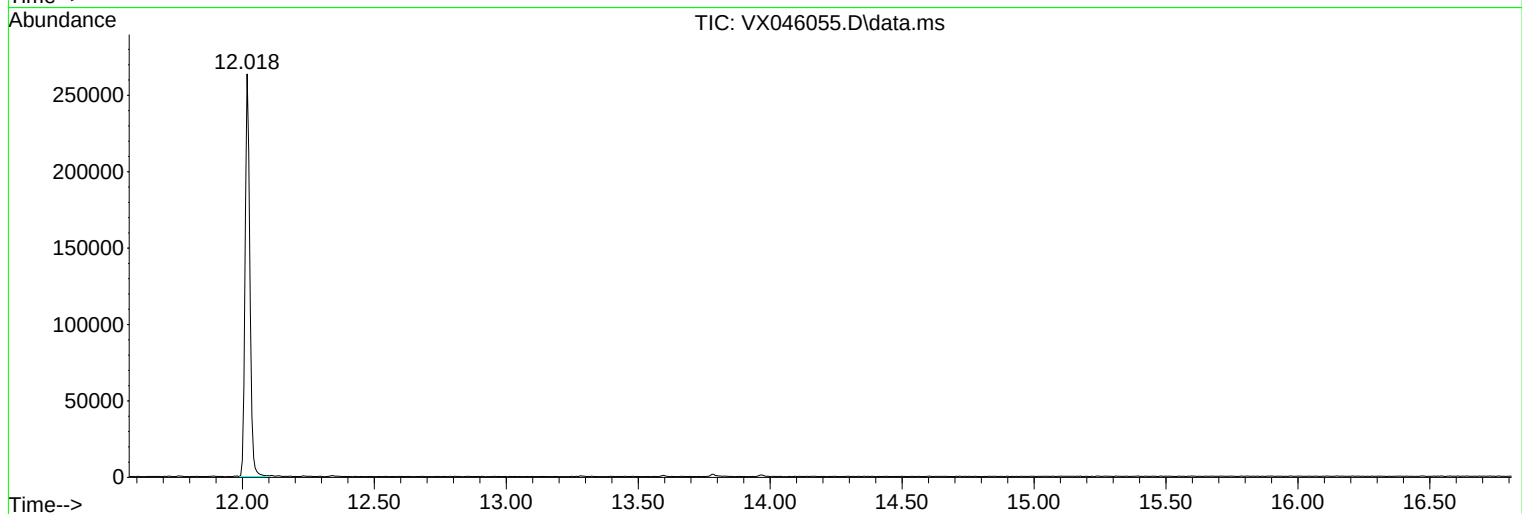
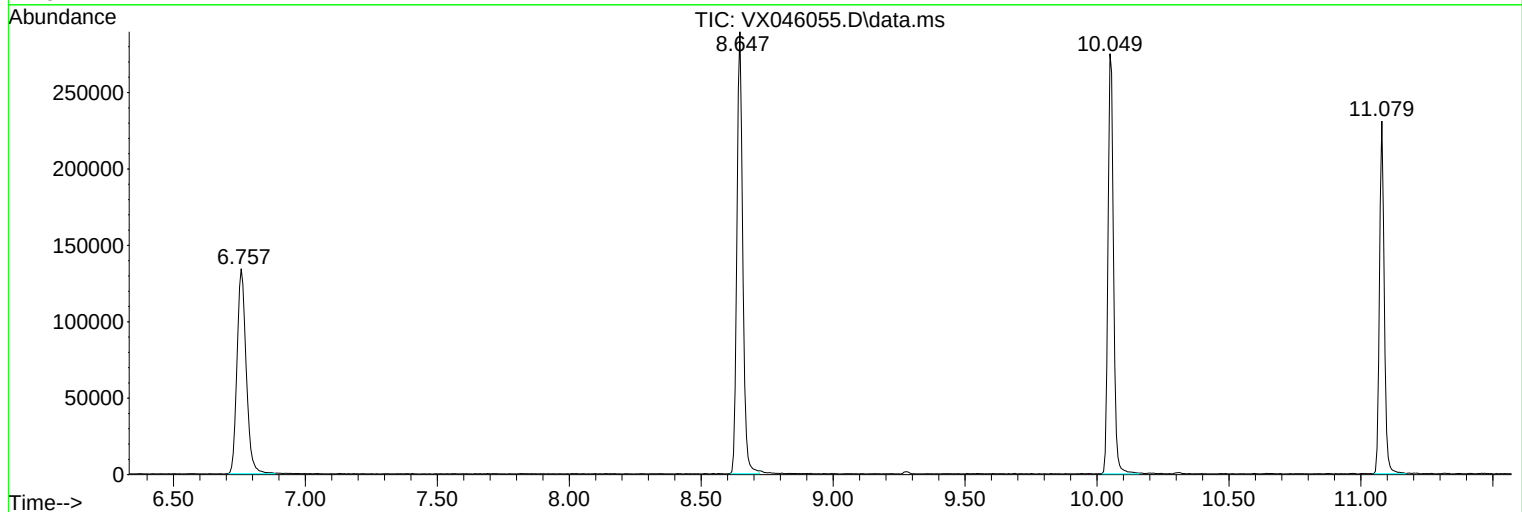
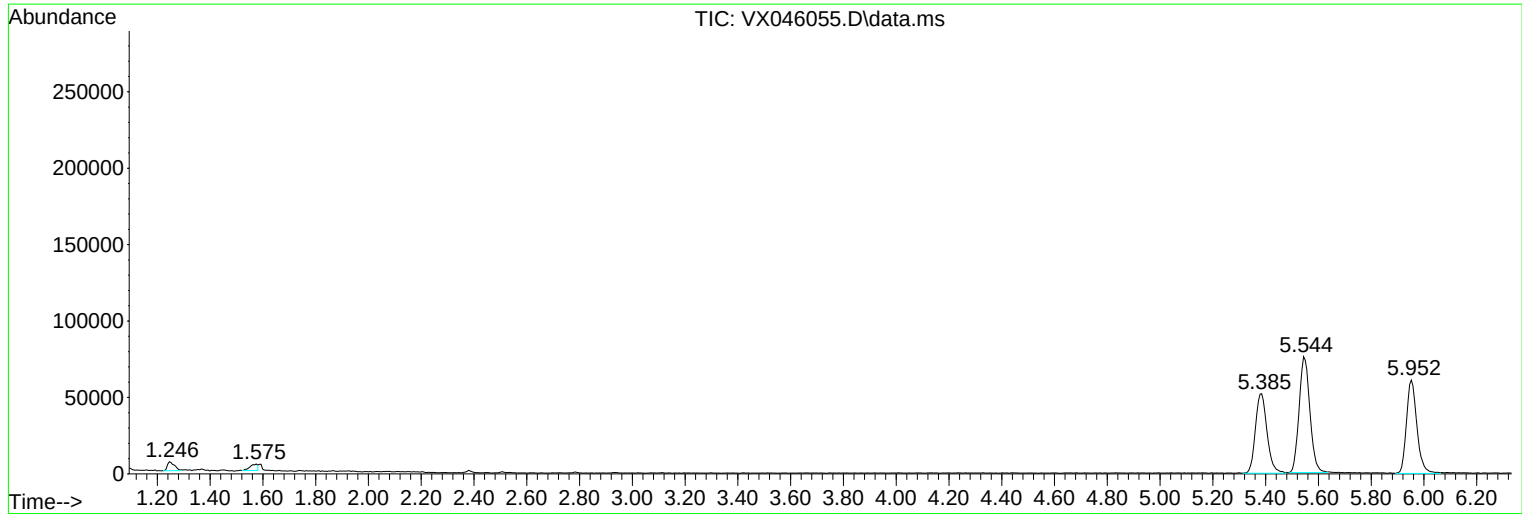
Sum of corrected areas: 2350680

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX050625\  
Data File : VX046055.D  
Acq On : 06 May 2025 11:52  
Operator : JC/MD  
Sample : Q1945-01  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
GB1W

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X050525W.M  
Quant Title : SW846 8260

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





Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX050625\  
Data File : VX046055.D  
Acq On : 06 May 2025 11:52  
Operator : JC/MD  
Sample : Q1945-01  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
GB1W

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X050525W.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\_X\Data\VX050625\  
Data File : VX046055.D  
Acq On : 06 May 2025 11:52  
Operator : JC/MD  
Sample : Q1945-01  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
GB1W

A

B

C

D

E

F

G

H

I

J

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X050525W.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\_X\Data\VX050625\  
 Data File : VX046056.D  
 Acq On : 06 May 2025 12:15  
 Operator : JC/MD  
 Sample : Q1945-02  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 GB3W

Quant Time: May 07 01:45:41 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X050525W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue May 06 07:12:22 2025  
 Response via : Initial Calibration

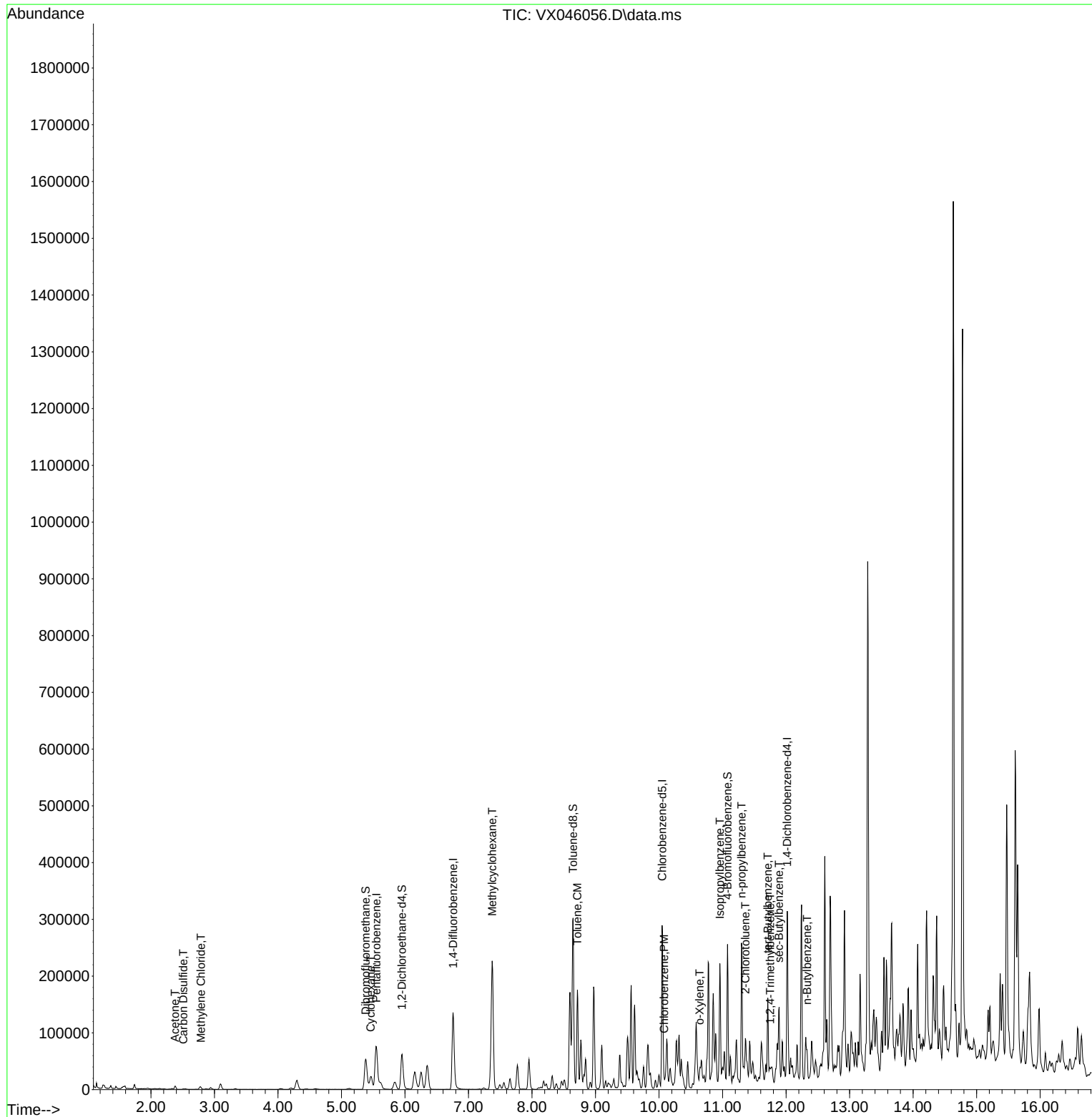
| Compound                    | R.T.           | QIon | Response            | Conc   | Units  | Dev(Min) |
|-----------------------------|----------------|------|---------------------|--------|--------|----------|
| -----                       |                |      |                     |        |        |          |
| Internal Standards          |                |      |                     |        |        |          |
| 1) Pentafluorobenzene       | 5.550          | 168  | 65682               | 50.000 | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.757          | 114  | 129171              | 50.000 | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 10.049         | 117  | 117957              | 50.000 | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.018         | 152  | 54778               | 50.000 | ug/l   | 0.00     |
|                             |                |      |                     |        |        |          |
| System Monitoring Compounds |                |      |                     |        |        |          |
| 33) 1,2-Dichloroethane-d4   | 5.952          | 65   | 63984               | 52.252 | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 74 - 125 |      | Recovery = 104.500% |        |        |          |
| 35) Dibromofluoromethane    | 5.379          | 113  | 46789               | 50.302 | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 75 - 124 |      | Recovery = 100.600% |        |        |          |
| 50) Toluene-d8              | 8.647          | 98   | 164713              | 51.162 | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 86 - 113 |      | Recovery = 102.320% |        |        |          |
| 62) 4-Bromofluorobenzene    | 11.079         | 95   | 63406               | 51.344 | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 77 - 121 |      | Recovery = 102.680% |        |        |          |
|                             |                |      |                     |        |        |          |
| Target Compounds            |                |      |                     |        | Qvalue |          |
| 16) Acetone                 | 2.380          | 43   | 6573                | 13.388 | ug/l   | 97       |
| 17) Carbon Disulfide        | 2.508          | 76   | 950                 | 0.515  | ug/l   | 99       |
| 20) Methylene Chloride      | 2.788          | 84   | 397                 | 0.422  | ug/l # | 75       |
| 31) Cyclohexane             | 5.458          | 56   | 14312               | 9.807  | ug/l   | 93       |
| 39) Methylcyclohexane       | 7.373          | 83   | 91344               | 56.771 | ug/l   | 95       |
| 52) Toluene                 | 8.714          | 92   | 62889               | 28.017 | ug/l   | 97       |
| 65) Chlorobenzene           | 10.080         | 112  | 2654                | 1.028  | ug/l   | 97       |
| 69) o-Xylene                | 10.640         | 106  | 3691                | 2.275  | ug/l   | 93       |
| 73) Isopropylbenzene        | 10.957         | 105  | 99366               | 23.300 | ug/l   | 100      |
| 78) n-propylbenzene         | 11.299         | 91   | 148647              | 29.977 | ug/l   | 100      |
| 79) 2-Chlorotoluene         | 11.360         | 91   | 31633               | 9.890  | ug/l   | 96       |
| 83) tert-Butylbenzene       | 11.713         | 119  | 14133               | 3.938  | ug/l   | 90       |
| 84) 1,2,4-Trimethylbenzene  | 11.750         | 105  | 1888                | 0.523  | ug/l   | 92       |
| 85) sec-Butylbenzene        | 11.890         | 105  | 48543               | 11.017 | ug/l # | 77       |
| 89) n-Butylbenzene          | 12.329         | 91   | 17031               | 5.338  | ug/l   | 92       |
| -----                       |                |      |                     |        |        |          |

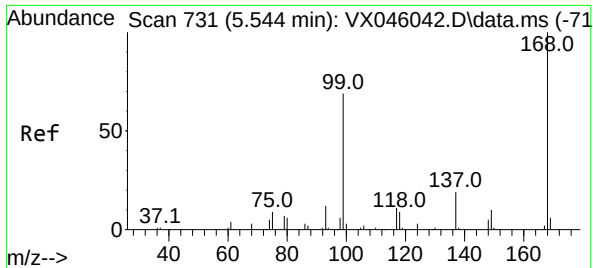
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX050625\  
Data File : VX046056.D  
Acq On : 06 May 2025 12:15  
Operator : JC/MD  
Sample : Q1945-02  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
GB3W

Quant Time: May 07 01:45:41 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X050525W.M  
Quant Title : SW846 8260  
QLast Update : Tue May 06 07:12:22 2025  
Response via : Initial Calibration



#1  
Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.550 min Scan# 71

Delta R.T. 0.006 min

Lab File: VX046056.D

Acq: 06 May 2025 12:15

Instrument :

MSVOA\_X

ClientSampleId :

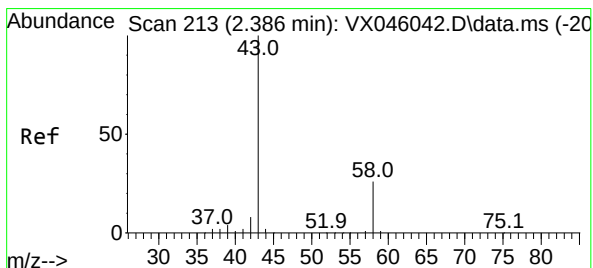
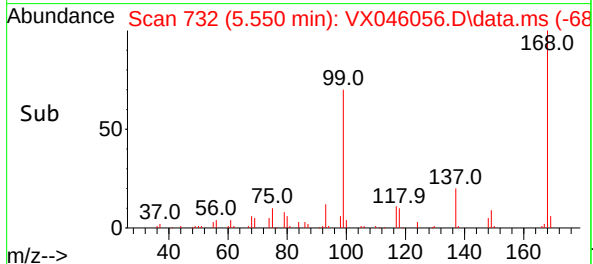
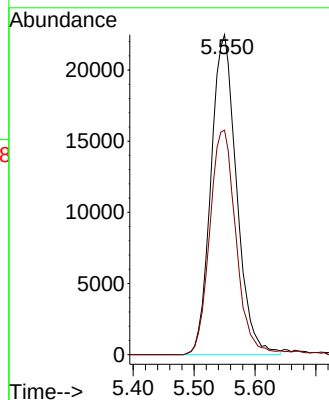
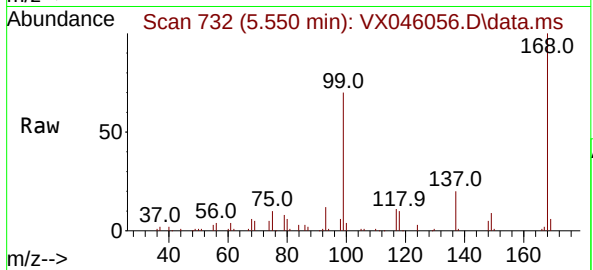
GB3W

Tgt Ion:168 Resp: 65682

Ion Ratio Lower Upper

168 100

99 70.2 54.9 82.3



#16

Acetone

Concen: 13.388 ug/l

RT: 2.380 min Scan# 212

Delta R.T. -0.006 min

Lab File: VX046056.D

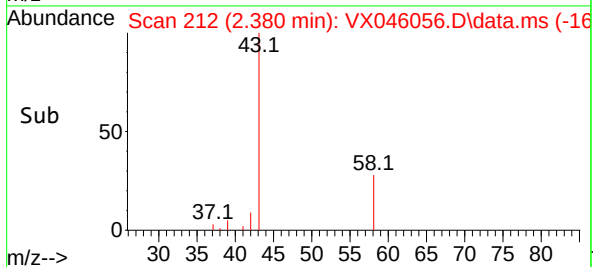
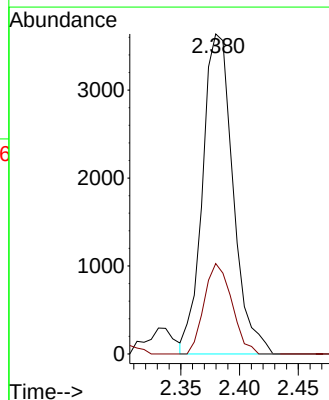
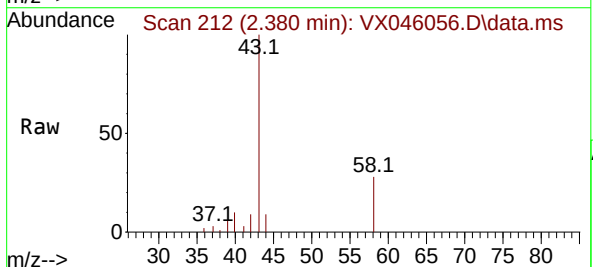
Acq: 06 May 2025 12:15

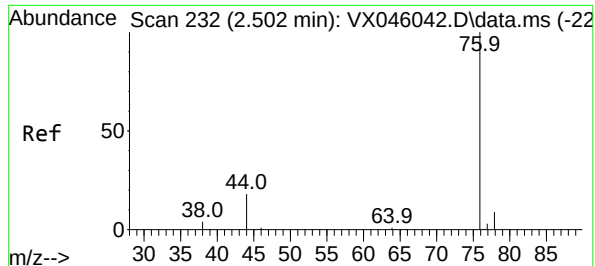
Tgt Ion: 43 Resp: 6573

Ion Ratio Lower Upper

43 100

58 28.3 21.2 31.8





#17

Carbon Disulfide

Concen: 0.515 ug/l

RT: 2.508 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX046056.D

Acq: 06 May 2025 12:15

Instrument :

MSVOA\_X

ClientSampleId :

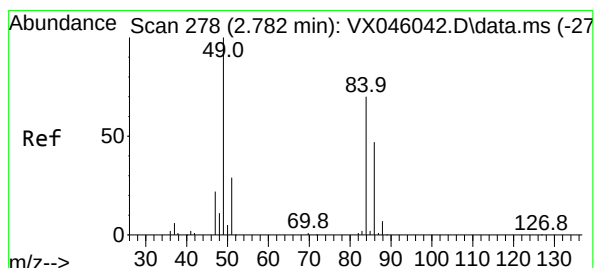
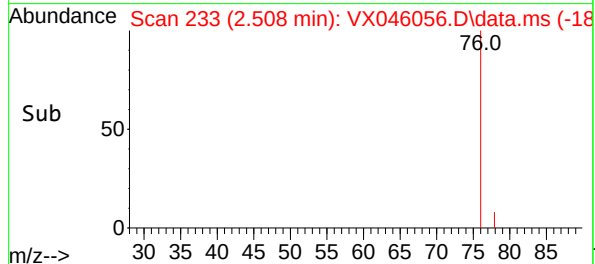
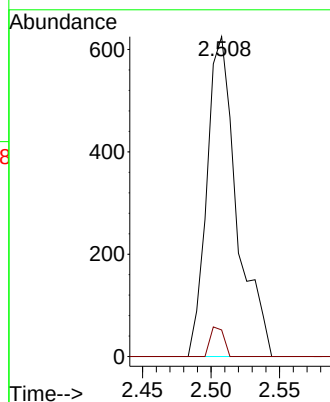
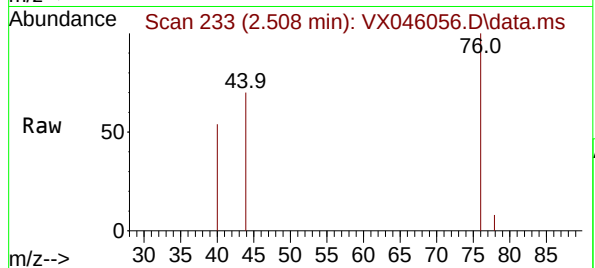
GB3W

Tgt Ion: 76 Resp: 950

Ion Ratio Lower Upper

76 100

78 8.3 7.0 10.4



#20

Methylene Chloride

Concen: 0.422 ug/l

RT: 2.788 min Scan# 279

Delta R.T. 0.006 min

Lab File: VX046056.D

Acq: 06 May 2025 12:15

Tgt Ion: 84 Resp: 397

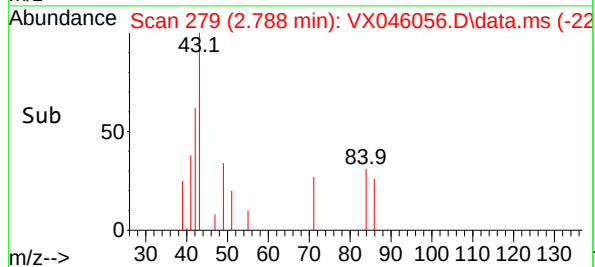
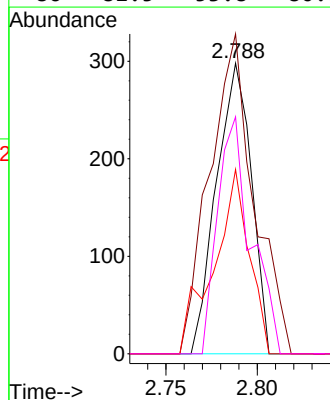
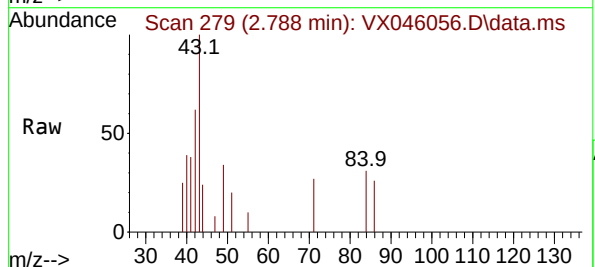
Ion Ratio Lower Upper

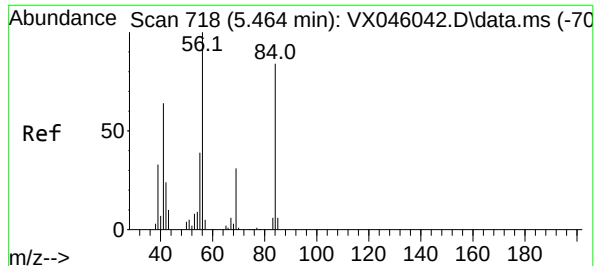
84 100

49 110.1 113.9 170.9#

51 63.4 33.5 50.3#

86 81.5 53.8 80.8#





#31

Cyclohexane

Concen: 9.807 ug/l

RT: 5.458 min Scan# 717

Delta R.T. -0.006 min

Lab File: VX046056.D

Acq: 06 May 2025 12:15

Instrument :

MSVOA\_X

ClientSampleId :

GB3W

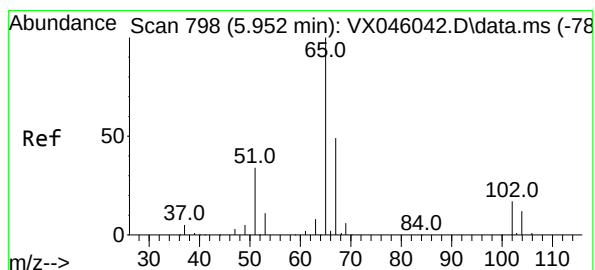
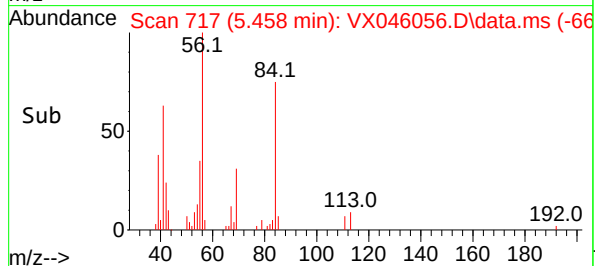
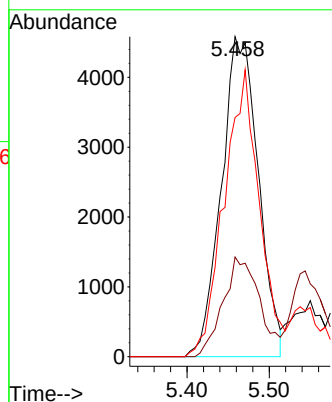
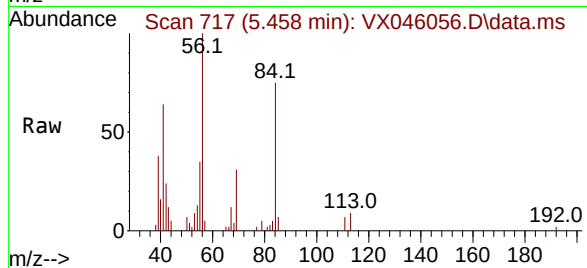
Tgt Ion: 56 Resp: 14312

Ion Ratio Lower Upper

56 100

69 31.1 24.4 36.6

84 74.8 66.9 100.3



#33

1,2-Dichloroethane-d4

Concen: 52.252 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.000 min

Lab File: VX046056.D

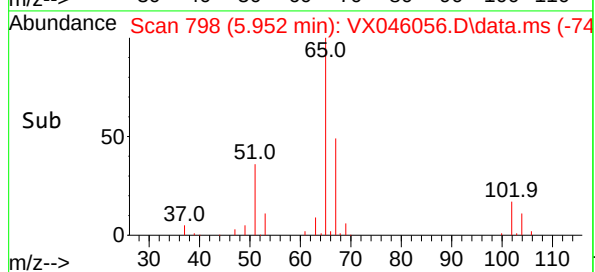
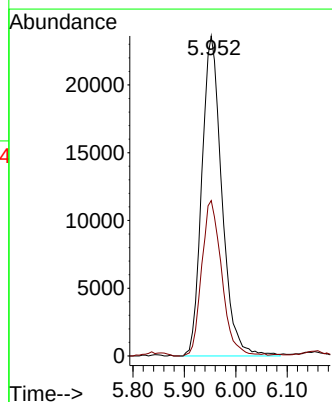
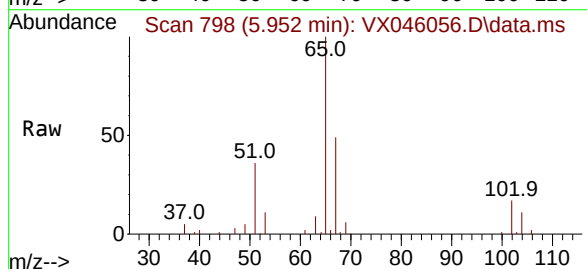
Acq: 06 May 2025 12:15

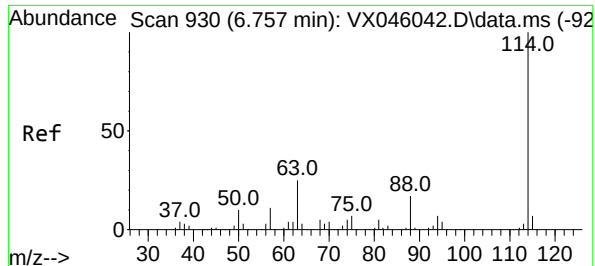
Tgt Ion: 65 Resp: 63984

Ion Ratio Lower Upper

65 100

67 48.8 0.0 99.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 91

Delta R.T. 0.000 min

Lab File: VX046056.D

Acq: 06 May 2025 12:15

Instrument :

MSVOA\_X

ClientSampleId :

GB3W

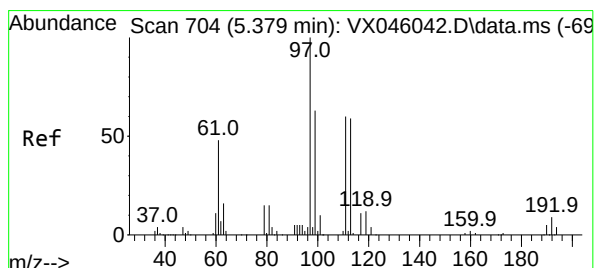
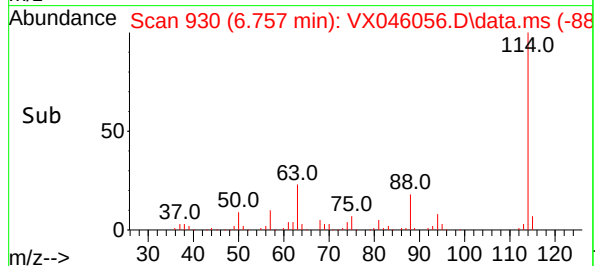
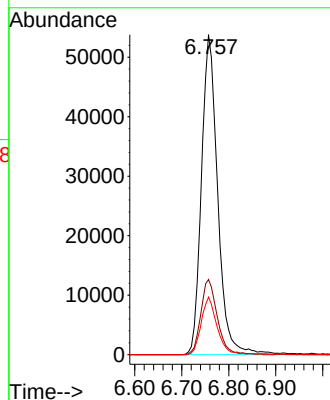
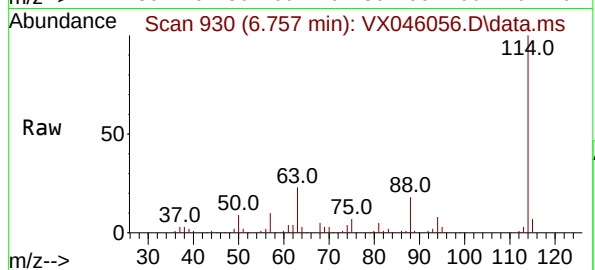
Tgt Ion:114 Resp: 129171

Ion Ratio Lower Upper

114 100

63 23.5 0.0 49.2

88 18.0 0.0 33.6



#35

Dibromofluoromethane

Concen: 50.302 ug/l

RT: 5.379 min Scan# 704

Delta R.T. 0.000 min

Lab File: VX046056.D

Acq: 06 May 2025 12:15

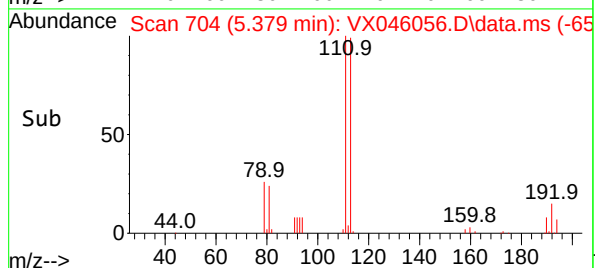
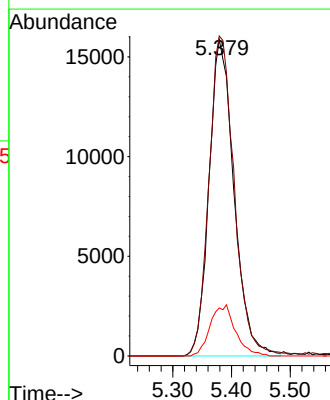
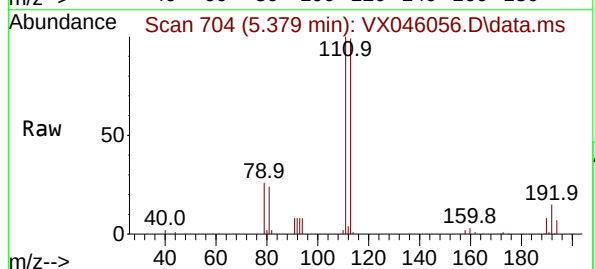
Tgt Ion:113 Resp: 46789

Ion Ratio Lower Upper

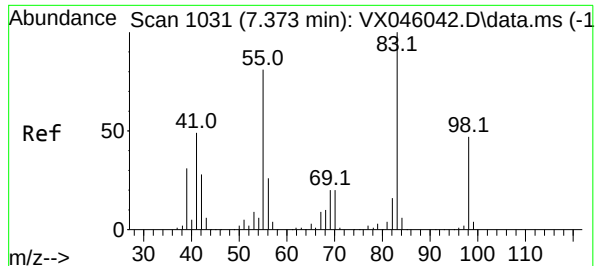
113 100

111 102.8 83.1 124.7

192 16.4 13.3 19.9







#39

Methylcyclohexane

Concen: 56.771 ug/l

RT: 7.373 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VX046056.D

Acq: 06 May 2025 12:15

Instrument :

MSVOA\_X

ClientSampleId :

GB3W

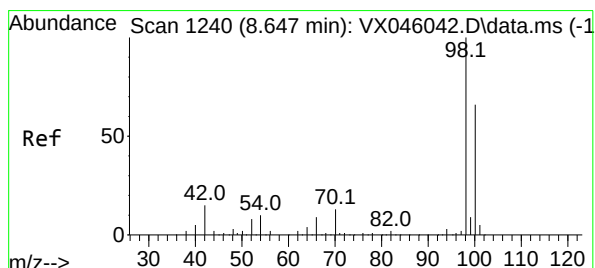
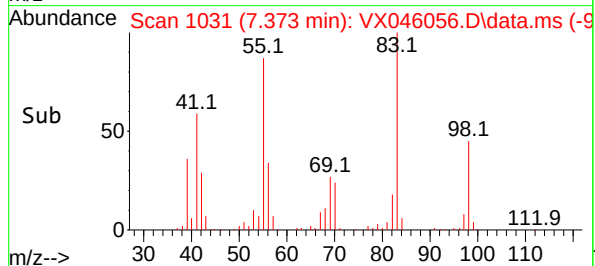
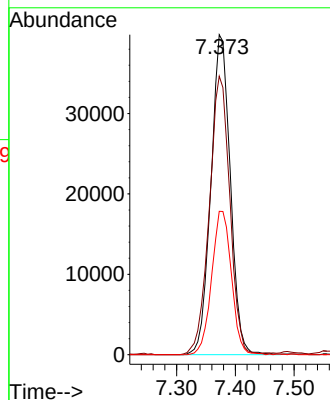
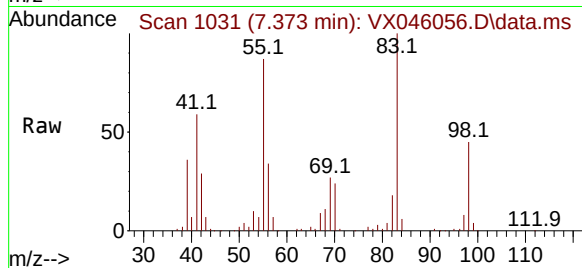
Tgt Ion: 83 Resp: 91344

Ion Ratio Lower Upper

83 100

55 87.1 64.7 97.1

98 44.8 37.4 56.2



#50

Toluene-d8

Concen: 51.162 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX046056.D

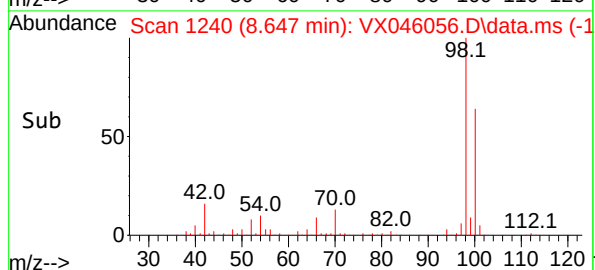
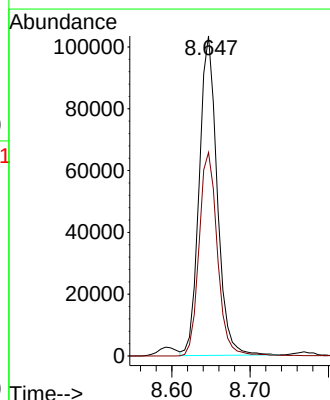
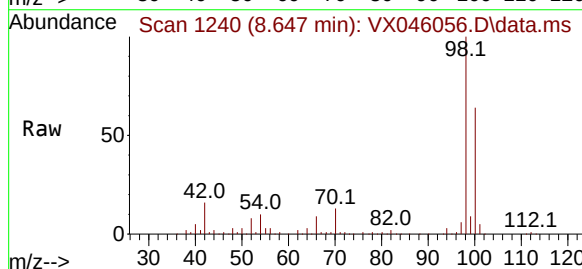
Acq: 06 May 2025 12:15

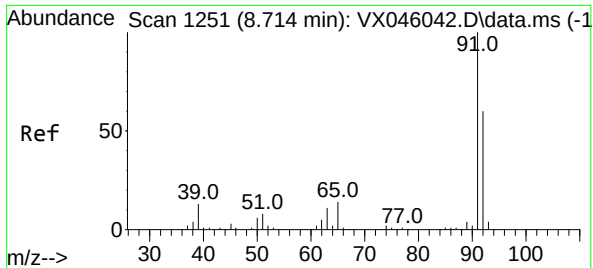
Tgt Ion: 98 Resp: 164713

Ion Ratio Lower Upper

98 100

100 65.4 53.5 80.3

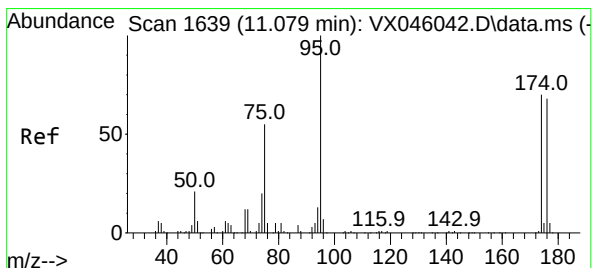
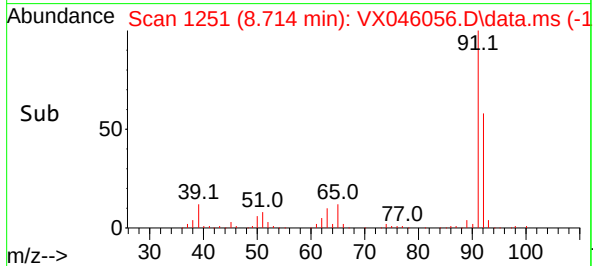
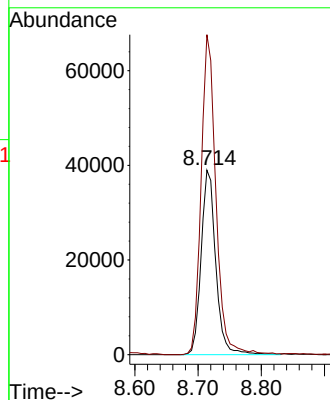
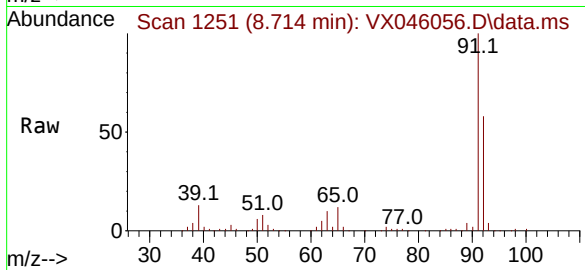




#52  
Toluene  
Concen: 28.017 ug/l  
RT: 8.714 min Scan# 1251  
Delta R.T. 0.000 min  
Lab File: VX046056.D  
Acq: 06 May 2025 12:15

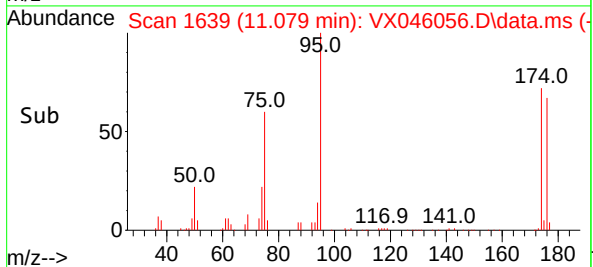
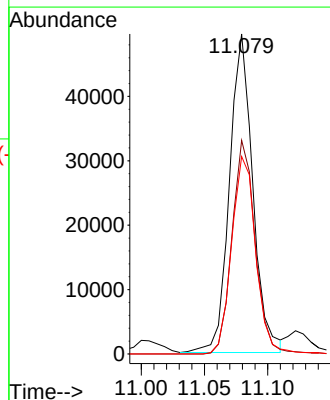
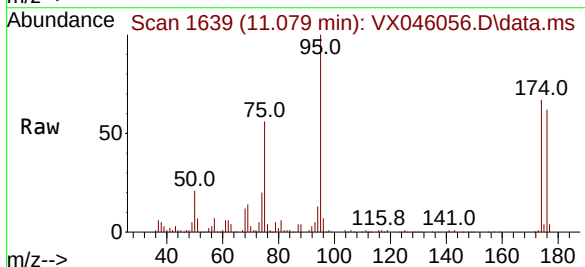
Instrument :  
MSVOA\_X  
ClientSampleId :  
GB3W

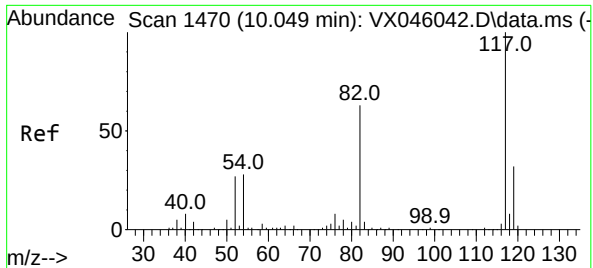
Tgt Ion: 92 Resp: 62889  
Ion Ratio Lower Upper  
92 100  
91 175.4 136.6 205.0



#62  
4-Bromofluorobenzene  
Concen: 51.344 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.000 min  
Lab File: VX046056.D  
Acq: 06 May 2025 12:15

Tgt Ion: 95 Resp: 63406  
Ion Ratio Lower Upper  
95 100  
174 66.8 0.0 135.8  
176 64.6 0.0 131.4

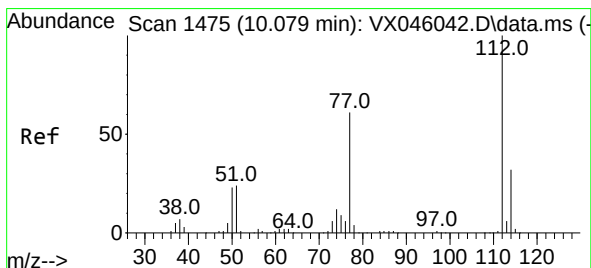
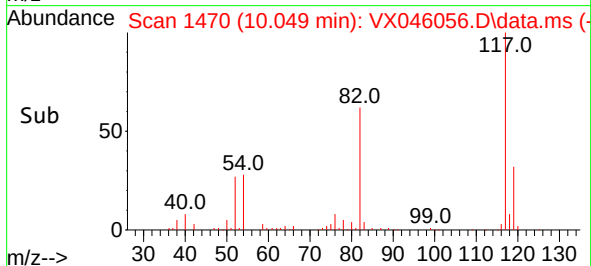
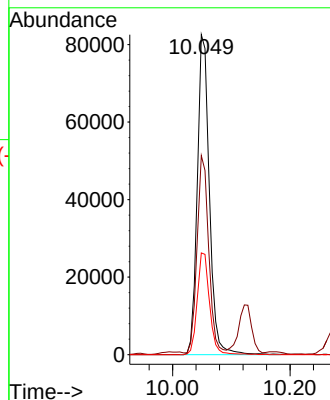
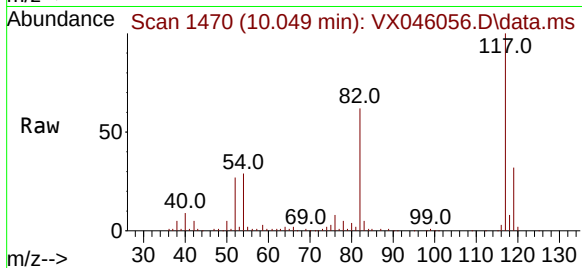




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.049 min Scan# 1470  
Delta R.T. 0.000 min  
Lab File: VX046056.D  
Acq: 06 May 2025 12:15

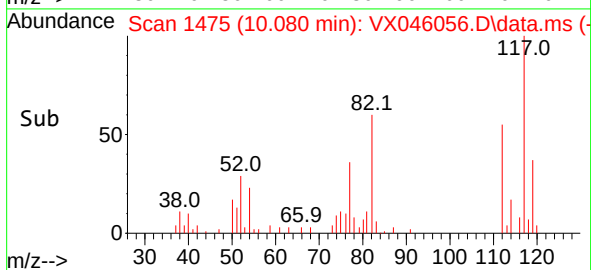
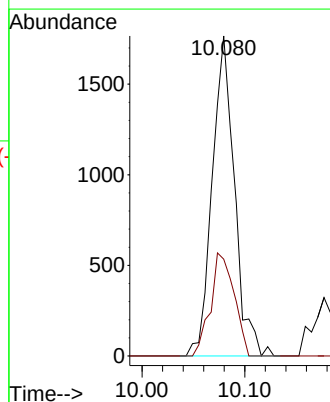
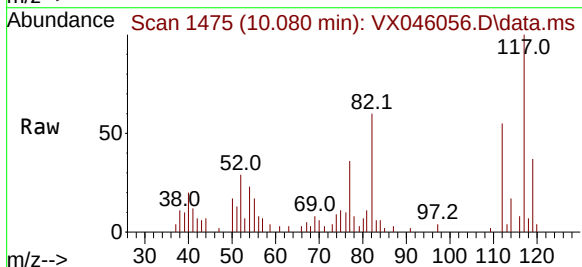
Instrument :  
MSVOA\_X  
ClientSampleId :  
GB3W

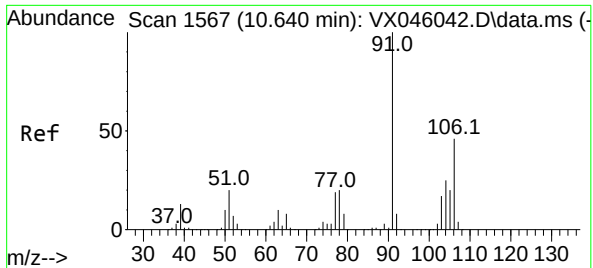
Tgt Ion:117 Resp: 117957  
Ion Ratio Lower Upper  
117 100  
82 61.5 50.6 76.0  
119 31.8 25.8 38.6



#65  
Chlorobenzene  
Concen: 1.028 ug/l  
RT: 10.080 min Scan# 1475  
Delta R.T. 0.000 min  
Lab File: VX046056.D  
Acq: 06 May 2025 12:15

Tgt Ion:112 Resp: 2654  
Ion Ratio Lower Upper  
112 100  
114 30.2 25.4 38.2





#69

o-Xylene

Concen: 2.275 ug/l

RT: 10.640 min Scan# 1567

Delta R.T. 0.000 min

Lab File: VX046056.D

Acq: 06 May 2025 12:15

Instrument :

MSVOA\_X

ClientSampleId :

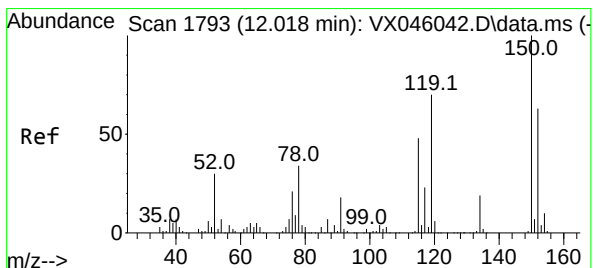
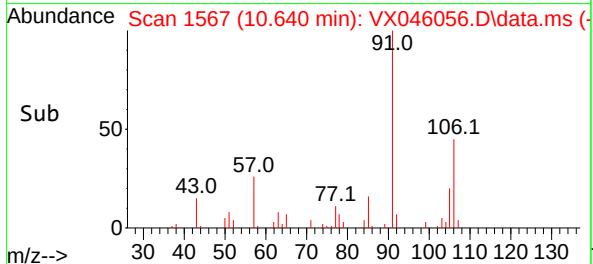
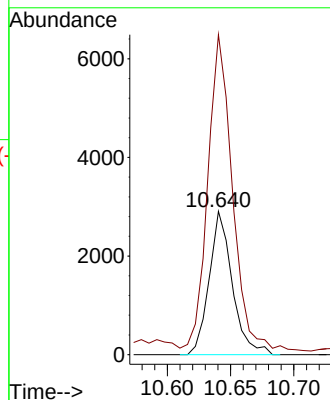
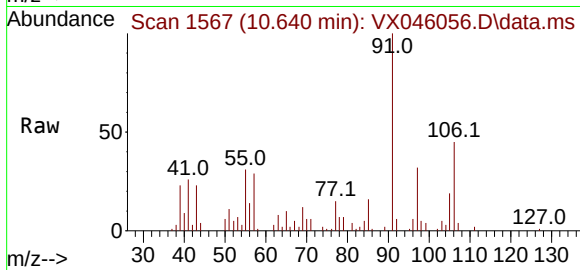
GB3W

Tgt Ion:106 Resp: 3691

Ion Ratio Lower Upper

106 100

91 236.6 112.7 338.1



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1793

Delta R.T. 0.000 min

Lab File: VX046056.D

Acq: 06 May 2025 12:15

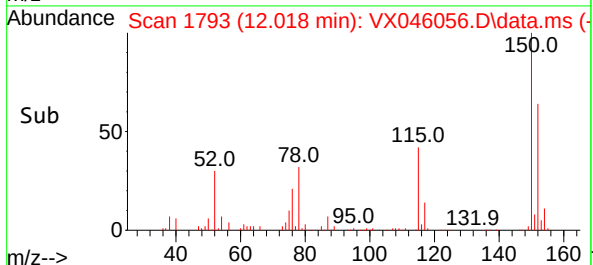
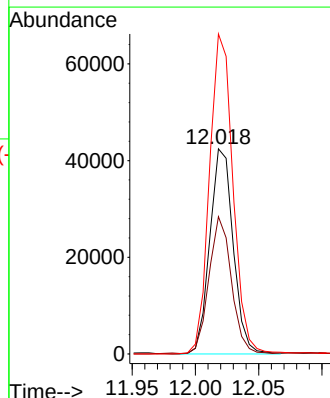
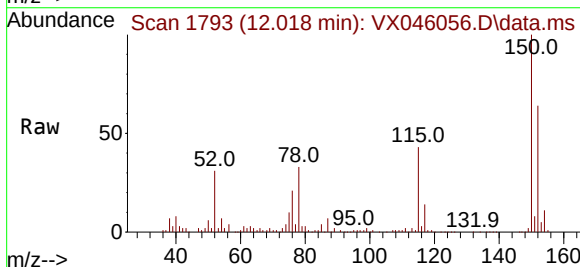
Tgt Ion:152 Resp: 54778

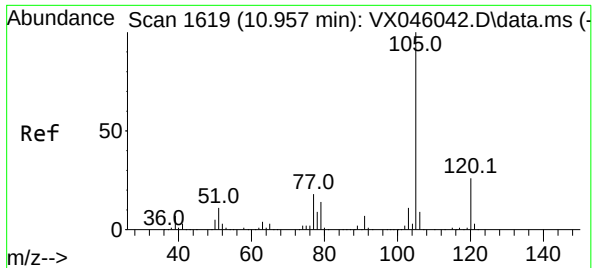
Ion Ratio Lower Upper

152 100

115 64.5 46.9 140.7

150 156.9 0.0 351.0

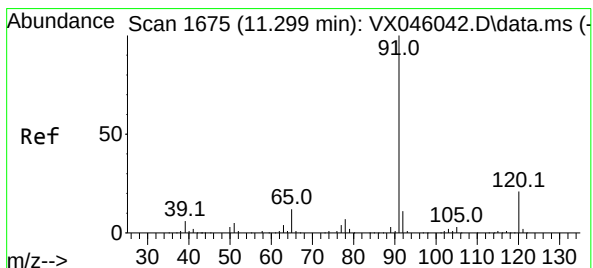
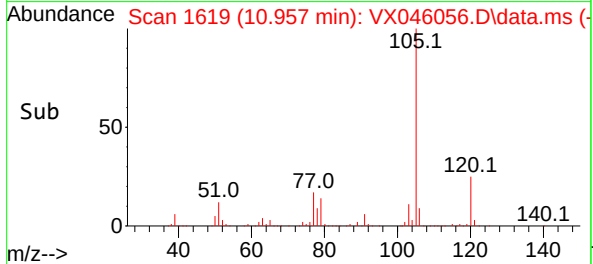
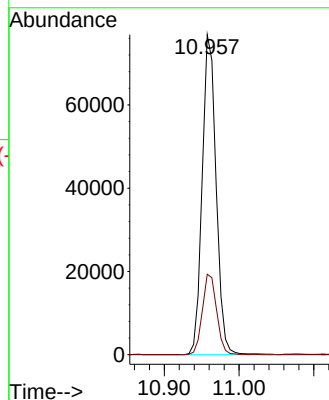
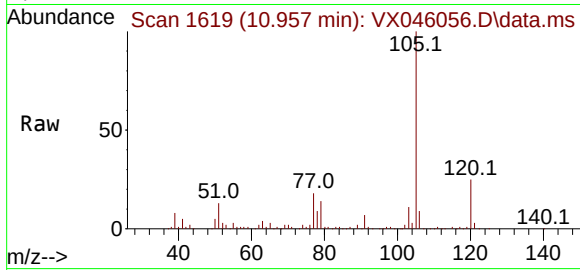




#73  
Isopropylbenzene  
Concen: 23.300 ug/l  
RT: 10.957 min Scan# 1619  
Delta R.T. 0.000 min  
Lab File: VX046056.D  
Acq: 06 May 2025 12:15

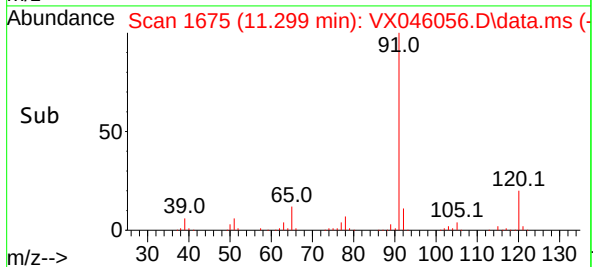
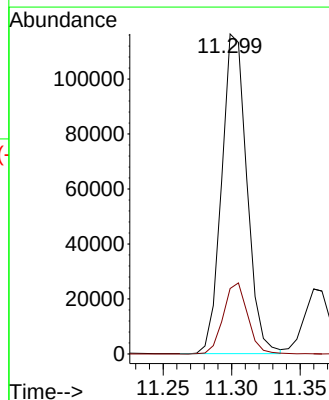
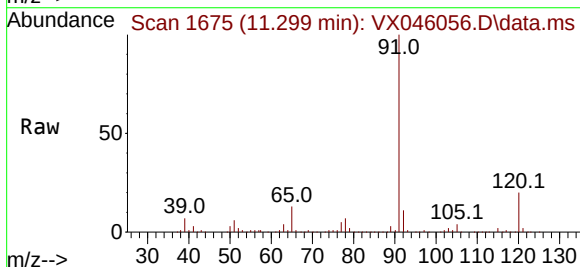
Instrument :  
MSVOA\_X  
ClientSampleId :  
GB3W

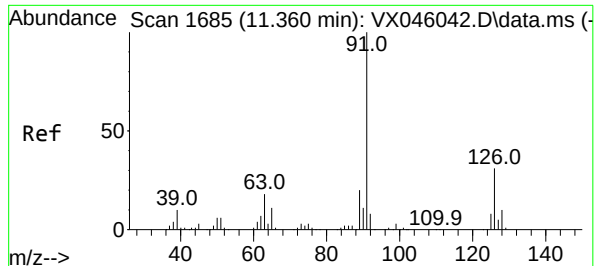
Tgt Ion:105 Resp: 99366  
Ion Ratio Lower Upper  
105 100  
120 25.8 12.8 38.4



#78  
n-propylbenzene  
Concen: 29.977 ug/l  
RT: 11.299 min Scan# 1675  
Delta R.T. 0.000 min  
Lab File: VX046056.D  
Acq: 06 May 2025 12:15

Tgt Ion: 91 Resp: 148647  
Ion Ratio Lower Upper  
91 100  
120 21.6 10.8 32.4





#79

2-Chlorotoluene

Concen: 9.890 ug/l

RT: 11.360 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX046056.D

Acq: 06 May 2025 12:15

Instrument :

MSVOA\_X

ClientSampleId :

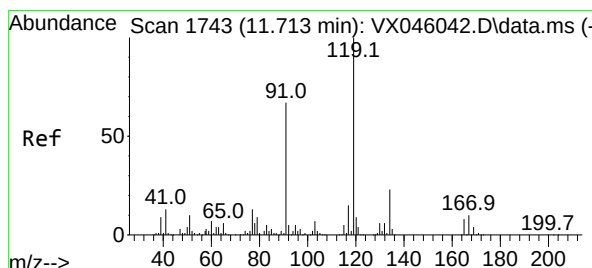
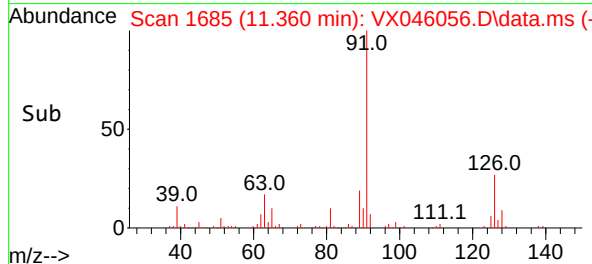
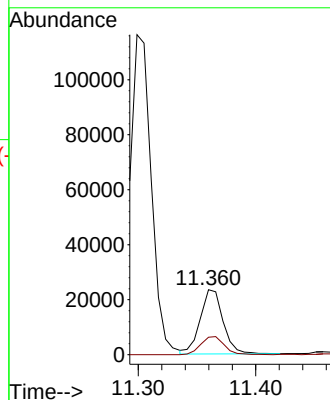
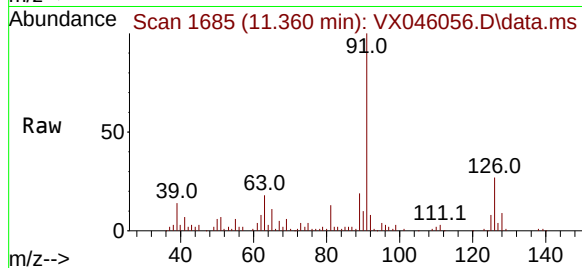
GB3W

Tgt Ion: 91 Resp: 31633

Ion Ratio Lower Upper

91 100

126 29.0 15.6 46.7



#83

tert-Butylbenzene

Concen: 3.938 ug/l

RT: 11.713 min Scan# 1743

Delta R.T. 0.000 min

Lab File: VX046056.D

Acq: 06 May 2025 12:15

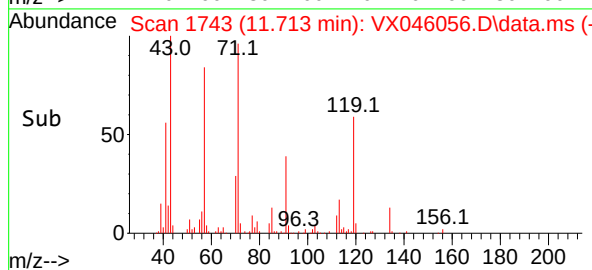
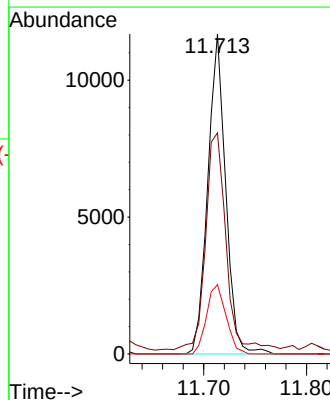
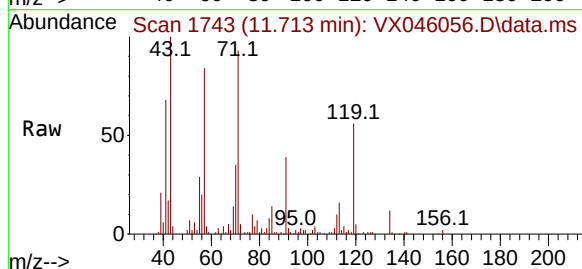
Tgt Ion: 119 Resp: 14133

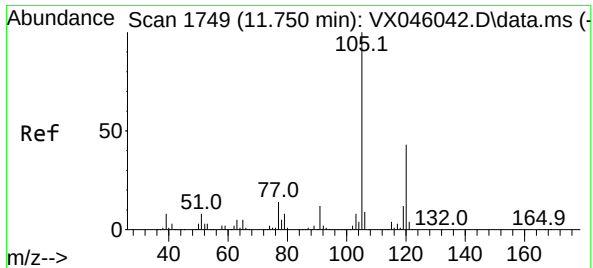
Ion Ratio Lower Upper

119 100

91 76.1 32.9 98.7

134 23.6 11.4 34.1

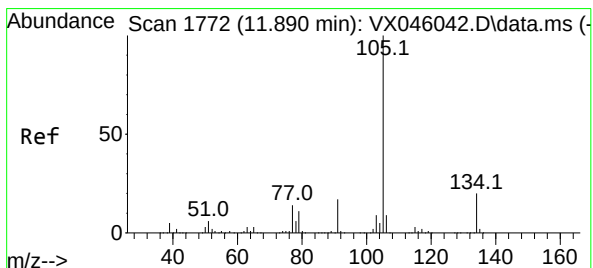
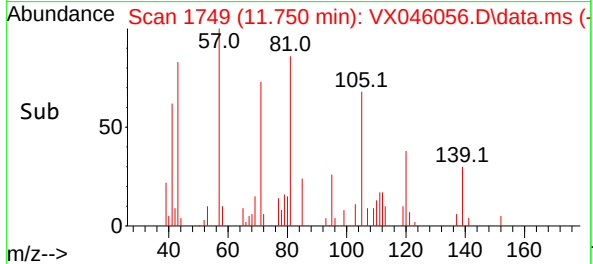
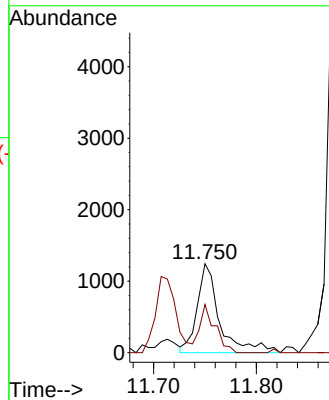
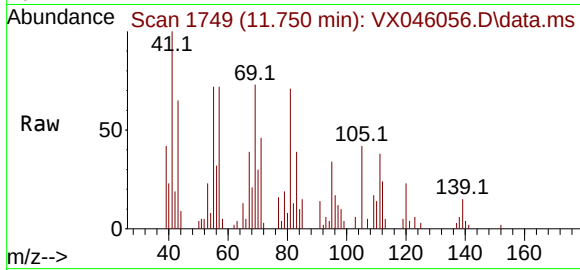




#84  
1,2,4-Trimethylbenzene  
Concen: 0.523 ug/l  
RT: 11.750 min Scan# 1749  
Delta R.T. 0.000 min  
Lab File: VX046056.D  
Acq: 06 May 2025 12:15

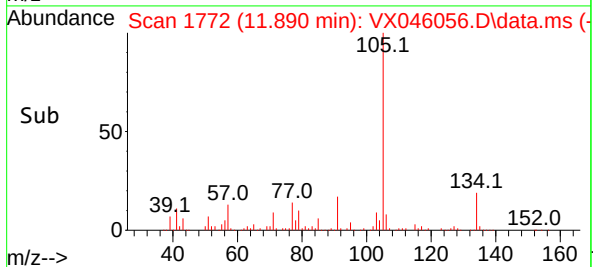
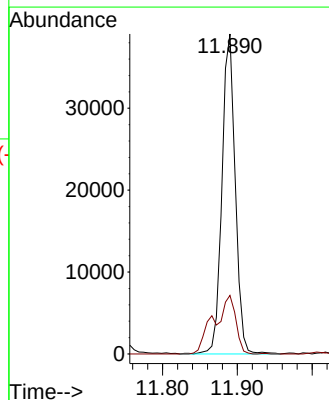
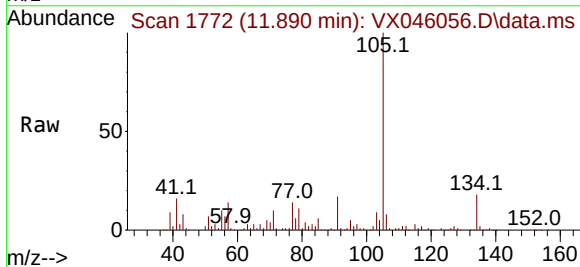
Instrument :  
MSVOA\_X  
ClientSampleId :  
GB3W

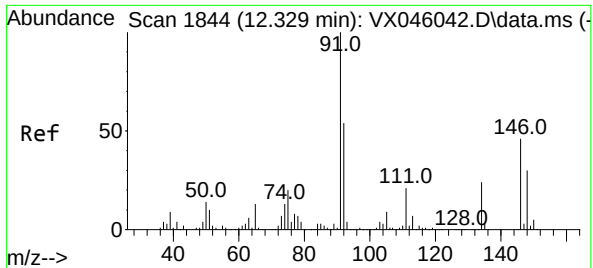
Tgt Ion:105 Resp: 1888  
Ion Ratio Lower Upper  
105 100  
120 37.1 21.2 63.6



#85  
sec-Butylbenzene  
Concen: 11.017 ug/l  
RT: 11.890 min Scan# 1772  
Delta R.T. 0.000 min  
Lab File: VX046056.D  
Acq: 06 May 2025 12:15

Tgt Ion:105 Resp: 48543  
Ion Ratio Lower Upper  
105 100  
134 30.0 9.7 29.1#





#89

n-Butylbenzene

Concen: 5.338 ug/l

RT: 12.329 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX046056.D

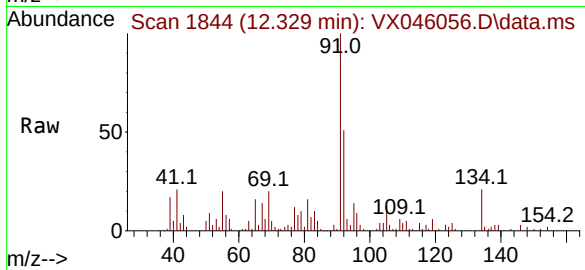
Acq: 06 May 2025 12:15

Instrument :

MSVOA\_X

ClientSampleId :

GB3W



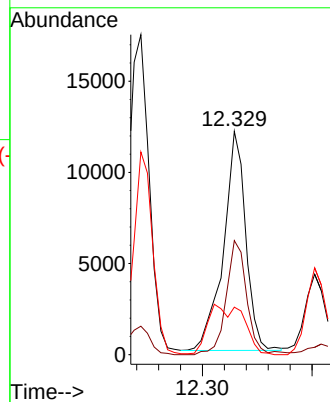
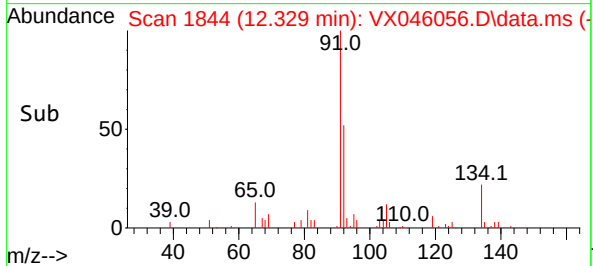
Tgt Ion: 91 Resp: 17031

Ion Ratio Lower Upper

91 100

92 48.1 26.9 80.7

134 20.3 11.8 35.3





Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX050625\  
Data File : VX046056.D  
Acq On : 06 May 2025 12:15  
Operator : JC/MD  
Sample : Q1945-02  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
GB3W

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

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

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X050525W.M

Title : SW846 8260

Signal : TIC: VX046056.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         | 5.379       | 693           | 704         | 712          | rBV2     | 53159          | 158461        | 7.67%           | 0.628%        |
| 2         | 5.458       | 712           | 717         | 724          | rVV4     | 22476          | 69000         | 3.34%           | 0.274%        |
| 3         | 5.544       | 724           | 731         | 756          | rVB      | 75298          | 256006        | 12.39%          | 1.015%        |
| 4         | 5.952       | 789           | 798         | 812          | rBV      | 61242          | 163586        | 7.92%           | 0.649%        |
| 5         | 6.153       | 820           | 831         | 840          | rBV3     | 30529          | 95469         | 4.62%           | 0.379%        |
| 6         | 6.251       | 840           | 847         | 855          | rVV2     | 30087          | 83933         | 4.06%           | 0.333%        |
| 7         | 6.348       | 855           | 863         | 877          | rVB3     | 42013          | 120913        | 5.85%           | 0.479%        |
| 8         | 6.757       | 921           | 930         | 953          | rBV      | 135381         | 330862        | 16.01%          | 1.312%        |
| 9         | 7.373       | 1019          | 1031        | 1044         | rBV      | 226257         | 546676        | 26.46%          | 2.168%        |
| 10        | 7.769       | 1086          | 1096        | 1104         | rBV2     | 42800          | 86974         | 4.21%           | 0.345%        |
| 11        | 7.952       | 1119          | 1126        | 1138         | rVB      | 52462          | 103493        | 5.01%           | 0.410%        |
| 12        | 8.598       | 1224          | 1232        | 1235         | rBV2     | 170714         | 312266        | 15.11%          | 1.238%        |
| 13        | 8.647       | 1235          | 1240        | 1246         | rVV      | 297615         | 541087        | 26.19%          | 2.146%        |
| 14        | 8.714       | 1246          | 1251        | 1256         | rVV      | 170455         | 265577        | 12.85%          | 1.053%        |
| 15        | 8.769       | 1256          | 1260        | 1265         | rVV      | 81935          | 134271        | 6.50%           | 0.532%        |
| 16        | 8.842       | 1269          | 1272        | 1280         | rVB      | 52148          | 84031         | 4.07%           | 0.333%        |
| 17        | 8.970       | 1288          | 1293        | 1304         | rVB2     | 179986         | 303322        | 14.68%          | 1.203%        |
| 18        | 9.098       | 1305          | 1314        | 1320         | rBV      | 77063          | 129409        | 6.26%           | 0.513%        |
| 19        | 9.378       | 1354          | 1360        | 1365         | rBV3     | 57588          | 96466         | 4.67%           | 0.383%        |
| 20        | 9.506       | 1375          | 1381        | 1385         | rBV3     | 87644          | 171212        | 8.29%           | 0.679%        |
| 21        | 9.561       | 1385          | 1390        | 1394         | rVB      | 174037         | 248662        | 12.03%          | 0.986%        |
| 22        | 9.616       | 1394          | 1399        | 1403         | rBV      | 138208         | 214203        | 10.37%          | 0.849%        |
| 23        | 9.756       | 1415          | 1422        | 1427         | rBV2     | 37129          | 59934         | 2.90%           | 0.238%        |
| 24        | 9.823       | 1427          | 1433        | 1438         | rBV4     | 74633          | 159036        | 7.70%           | 0.631%        |
| 25        | 10.049      | 1466          | 1470        | 1476         | rVV      | 287132         | 413455        | 20.01%          | 1.640%        |
| 26        | 10.122      | 1476          | 1482        | 1487         | rVV      | 87174          | 160256        | 7.76%           | 0.635%        |
| 27        | 10.177      | 1487          | 1491        | 1498         | rVV3     | 34763          | 75100         | 3.63%           | 0.298%        |
| 28        | 10.275      | 1498          | 1507        | 1510         | rVV2     | 83353          | 170679        | 8.26%           | 0.677%        |
| 29        | 10.317      | 1510          | 1514        | 1517         | rVV2     | 93658          | 150158        | 7.27%           | 0.595%        |
| 30        | 10.348      | 1517          | 1519        | 1531         | rVB2     | 52471          | 102599        | 4.97%           | 0.407%        |
| 31        | 10.451      | 1531          | 1536        | 1545         | rBV2     | 47782          | 73594         | 3.56%           | 0.292%        |
| 32        | 10.586      | 1551          | 1558        | 1565         | rBV3     | 110336         | 212587        | 10.29%          | 0.843%        |
| 33        | 10.665      | 1565          | 1571        | 1576         | rVV3     | 35178          | 75789         | 3.67%           | 0.301%        |
| 34        | 10.775      | 1581          | 1589        | 1594         | rBV2     | 211102         | 329813        | 15.96%          | 1.308%        |
| 35        | 10.854      | 1594          | 1602        | 1606         | rBV4     | 151452         | 245978        | 11.90%          | 0.975%        |
| 36        | 10.890      | 1606          | 1608        | 1614         | rVB      | 84382          | 105597        | 5.11%           | 0.419%        |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX050625\  
Data File : VX046056.D  
Acq On : 06 May 2025 12:15  
Operator : JC/MD  
Sample : Q1945-02  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
GB3W

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\_X\Method\82X050525W.M  
Title : SW846 8260

|    |        |      |      |      |      |        |        |        |        |
|----|--------|------|------|------|------|--------|--------|--------|--------|
| 37 | 10.957 | 1614 | 1619 | 1623 | rBV  | 207832 | 274893 | 13.30% | 1.090% |
| 38 | 11.024 | 1628 | 1630 | 1635 | rVV2 | 52483  | 73219  | 3.54%  | 0.290% |
| 39 | 11.079 | 1635 | 1639 | 1643 | rVV  | 241281 | 301611 | 14.60% | 1.196% |
| 40 | 11.122 | 1643 | 1646 | 1650 | rVB  | 45686  | 59517  | 2.88%  | 0.236% |

|    |        |      |      |      |      |        |        |        |        |
|----|--------|------|------|------|------|--------|--------|--------|--------|
| 41 | 11.220 | 1654 | 1662 | 1670 | rVB4 | 75561  | 140289 | 6.79%  | 0.556% |
| 42 | 11.299 | 1670 | 1675 | 1679 | rBV  | 245901 | 318997 | 15.44% | 1.265% |
| 43 | 11.360 | 1682 | 1685 | 1693 | rVV2 | 72241  | 139998 | 6.78%  | 0.555% |
| 44 | 11.427 | 1693 | 1696 | 1700 | rVV2 | 66989  | 90288  | 4.37%  | 0.358% |
| 45 | 11.610 | 1722 | 1726 | 1734 | rVB4 | 65852  | 125548 | 6.08%  | 0.498% |

|    |        |      |      |      |      |        |        |        |        |
|----|--------|------|------|------|------|--------|--------|--------|--------|
| 46 | 11.713 | 1739 | 1743 | 1746 | rVV  | 130373 | 138295 | 6.69%  | 0.548% |
| 47 | 11.866 | 1759 | 1768 | 1769 | rBV2 | 68762  | 126697 | 6.13%  | 0.502% |
| 48 | 11.890 | 1769 | 1772 | 1776 | rVV  | 125852 | 162556 | 7.87%  | 0.645% |
| 49 | 11.939 | 1776 | 1780 | 1784 | rVV  | 61983  | 80343  | 3.89%  | 0.319% |
| 50 | 12.018 | 1788 | 1793 | 1799 | rBV  | 291371 | 396192 | 19.17% | 1.571% |

|    |        |      |      |      |      |        |        |        |        |
|----|--------|------|------|------|------|--------|--------|--------|--------|
| 51 | 12.171 | 1811 | 1818 | 1824 | rVB2 | 59476  | 91867  | 4.45%  | 0.364% |
| 52 | 12.244 | 1824 | 1830 | 1836 | rVB2 | 307395 | 406942 | 19.69% | 1.614% |
| 53 | 12.311 | 1836 | 1841 | 1848 | rBV3 | 73989  | 151784 | 7.35%  | 0.602% |
| 54 | 12.402 | 1850 | 1856 | 1863 | rBV2 | 64559  | 122920 | 5.95%  | 0.487% |
| 55 | 12.610 | 1886 | 1890 | 1893 | rVV  | 380999 | 458062 | 22.17% | 1.816% |

|    |        |      |      |      |      |        |        |        |        |
|----|--------|------|------|------|------|--------|--------|--------|--------|
| 56 | 12.640 | 1893 | 1895 | 1899 | rVV  | 92753  | 113292 | 5.48%  | 0.449% |
| 57 | 12.695 | 1899 | 1904 | 1912 | rVB2 | 308522 | 518620 | 25.10% | 2.057% |
| 58 | 12.835 | 1925 | 1927 | 1931 | rVB  | 51799  | 56902  | 2.75%  | 0.226% |
| 59 | 12.920 | 1937 | 1941 | 1947 | rVB  | 275920 | 363998 | 17.62% | 1.443% |
| 60 | 12.975 | 1947 | 1950 | 1954 | rVB3 | 47646  | 62061  | 3.00%  | 0.246% |

|    |        |      |      |      |      |        |         |        |        |
|----|--------|------|------|------|------|--------|---------|--------|--------|
| 61 | 13.024 | 1954 | 1958 | 1962 | rBV3 | 68593  | 124755  | 6.04%  | 0.495% |
| 62 | 13.164 | 1978 | 1981 | 1985 | rVV  | 143254 | 149978  | 7.26%  | 0.595% |
| 63 | 13.286 | 1992 | 2001 | 2008 | rBV2 | 898218 | 1381052 | 66.84% | 5.477% |
| 64 | 13.384 | 2012 | 2017 | 2020 | rVV2 | 101907 | 200879  | 9.72%  | 0.797% |
| 65 | 13.420 | 2020 | 2023 | 2032 | rVB7 | 93924  | 187980  | 9.10%  | 0.745% |

|    |        |      |      |      |      |        |        |        |        |
|----|--------|------|------|------|------|--------|--------|--------|--------|
| 66 | 13.506 | 2032 | 2037 | 2039 | rBV  | 69425  | 100596 | 4.87%  | 0.399% |
| 67 | 13.542 | 2039 | 2043 | 2046 | rVV  | 185425 | 245106 | 11.86% | 0.972% |
| 68 | 13.579 | 2046 | 2049 | 2053 | rVV2 | 178932 | 253005 | 12.24% | 1.003% |
| 69 | 13.664 | 2053 | 2063 | 2068 | rVV3 | 239307 | 548099 | 26.53% | 2.173% |
| 70 | 13.744 | 2071 | 2076 | 2079 | rBV2 | 51397  | 95922  | 4.64%  | 0.380% |

|    |        |      |      |      |      |        |        |        |        |
|----|--------|------|------|------|------|--------|--------|--------|--------|
| 71 | 13.792 | 2079 | 2084 | 2088 | rVB3 | 72947  | 129432 | 6.26%  | 0.513% |
| 72 | 13.841 | 2088 | 2092 | 2098 | rVB3 | 109455 | 179967 | 8.71%  | 0.714% |
| 73 | 13.926 | 2098 | 2106 | 2110 | rBV3 | 136293 | 246035 | 11.91% | 0.976% |
| 74 | 13.969 | 2110 | 2113 | 2117 | rBV  | 87805  | 117362 | 5.68%  | 0.465% |
| 75 | 14.073 | 2125 | 2130 | 2133 | rBV  | 206823 | 263775 | 12.77% | 1.046% |

|    |        |      |      |      |     |        |        |        |        |
|----|--------|------|------|------|-----|--------|--------|--------|--------|
| 76 | 14.213 | 2149 | 2153 | 2162 | rVB | 244318 | 404133 | 19.56% | 1.603% |
|----|--------|------|------|------|-----|--------|--------|--------|--------|

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX050625\  
Data File : VX046056.D  
Acq On : 06 May 2025 12:15  
Operator : JC/MD  
Sample : Q1945-02  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
GB3W

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

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

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X050525W.M  
Title : SW846 8260

|     |        |      |      |      |      |         |         |         |        |
|-----|--------|------|------|------|------|---------|---------|---------|--------|
| 77  | 14.317 | 2166 | 2170 | 2175 | rVV2 | 128855  | 211450  | 10.23%  | 0.838% |
| 78  | 14.371 | 2175 | 2179 | 2183 | rVB  | 234819  | 288620  | 13.97%  | 1.145% |
| 79  | 14.414 | 2183 | 2186 | 2192 | rVB5 | 51766   | 88152   | 4.27%   | 0.350% |
| 80  | 14.481 | 2192 | 2197 | 2201 | rBV3 | 128253  | 223721  | 10.83%  | 0.887% |
| 81  | 14.634 | 2210 | 2222 | 2227 | rBV  | 1497420 | 2066320 | 100.00% | 8.194% |
| 82  | 14.670 | 2227 | 2228 | 2233 | rVB2 | 93150   | 79039   | 3.83%   | 0.313% |
| 83  | 14.725 | 2233 | 2237 | 2240 | rBV  | 60176   | 84099   | 4.07%   | 0.333% |
| 84  | 14.780 | 2241 | 2246 | 2254 | rVV  | 1266888 | 1748688 | 84.63%  | 6.934% |
| 85  | 14.957 | 2272 | 2275 | 2282 | rVB7 | 34013   | 68089   | 3.30%   | 0.270% |
| 86  | 15.091 | 2293 | 2297 | 2305 | rVB8 | 24434   | 60458   | 2.93%   | 0.240% |
| 87  | 15.182 | 2307 | 2312 | 2314 | rVV2 | 87525   | 130443  | 6.31%   | 0.517% |
| 88  | 15.213 | 2314 | 2317 | 2320 | rVV  | 94041   | 124609  | 6.03%   | 0.494% |
| 89  | 15.262 | 2321 | 2325 | 2331 | rVB7 | 34630   | 75924   | 3.67%   | 0.301% |
| 90  | 15.371 | 2339 | 2343 | 2346 | rBV  | 135203  | 178250  | 8.63%   | 0.707% |
| 91  | 15.408 | 2346 | 2349 | 2354 | rVB2 | 122287  | 187279  | 9.06%   | 0.743% |
| 92  | 15.475 | 2355 | 2360 | 2373 | rVB  | 446503  | 757285  | 36.65%  | 3.003% |
| 93  | 15.609 | 2377 | 2382 | 2386 | rVV  | 541760  | 889054  | 43.03%  | 3.526% |
| 94  | 15.646 | 2386 | 2388 | 2397 | rVB  | 348838  | 488059  | 23.62%  | 1.935% |
| 95  | 15.737 | 2397 | 2403 | 2408 | rVB3 | 56652   | 107386  | 5.20%   | 0.426% |
| 96  | 15.835 | 2410 | 2419 | 2429 | rVB  | 166877  | 465398  | 22.52%  | 1.846% |
| 97  | 15.987 | 2436 | 2444 | 2455 | rVB  | 110985  | 233394  | 11.30%  | 0.926% |
| 98  | 16.347 | 2499 | 2503 | 2512 | rVB2 | 49247   | 106352  | 5.15%   | 0.422% |
| 99  | 16.591 | 2539 | 2543 | 2549 | rVV  | 63806   | 113690  | 5.50%   | 0.451% |
| 100 | 16.652 | 2549 | 2553 | 2566 | rVB  | 71754   | 188493  | 9.12%   | 0.747% |

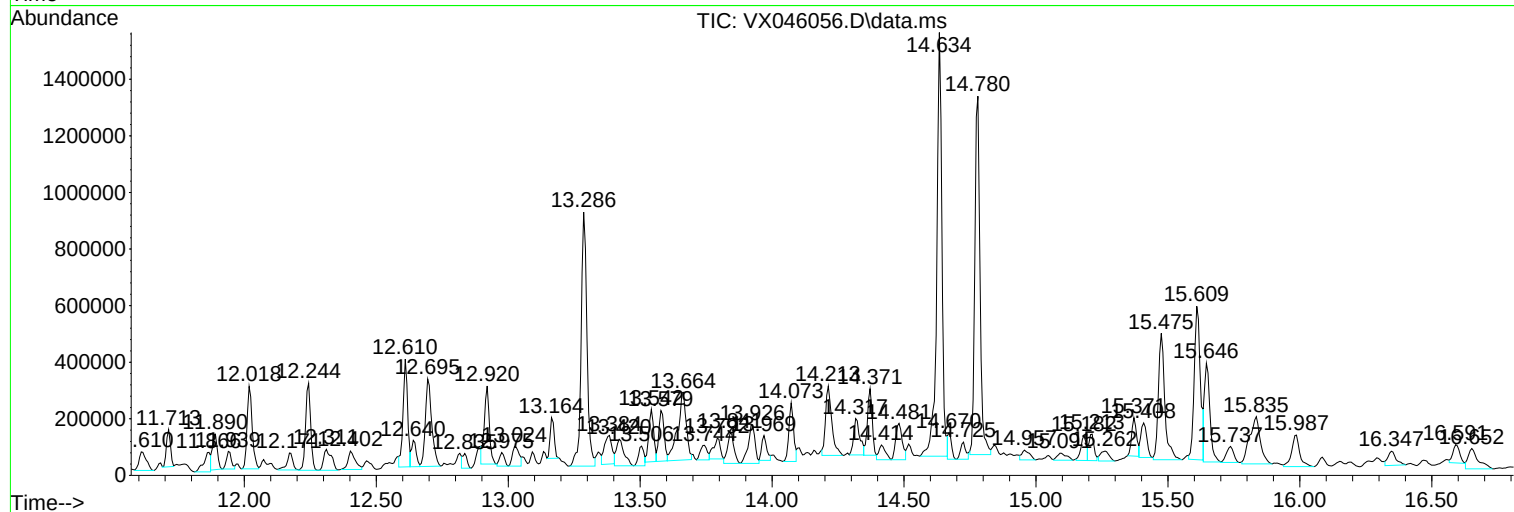
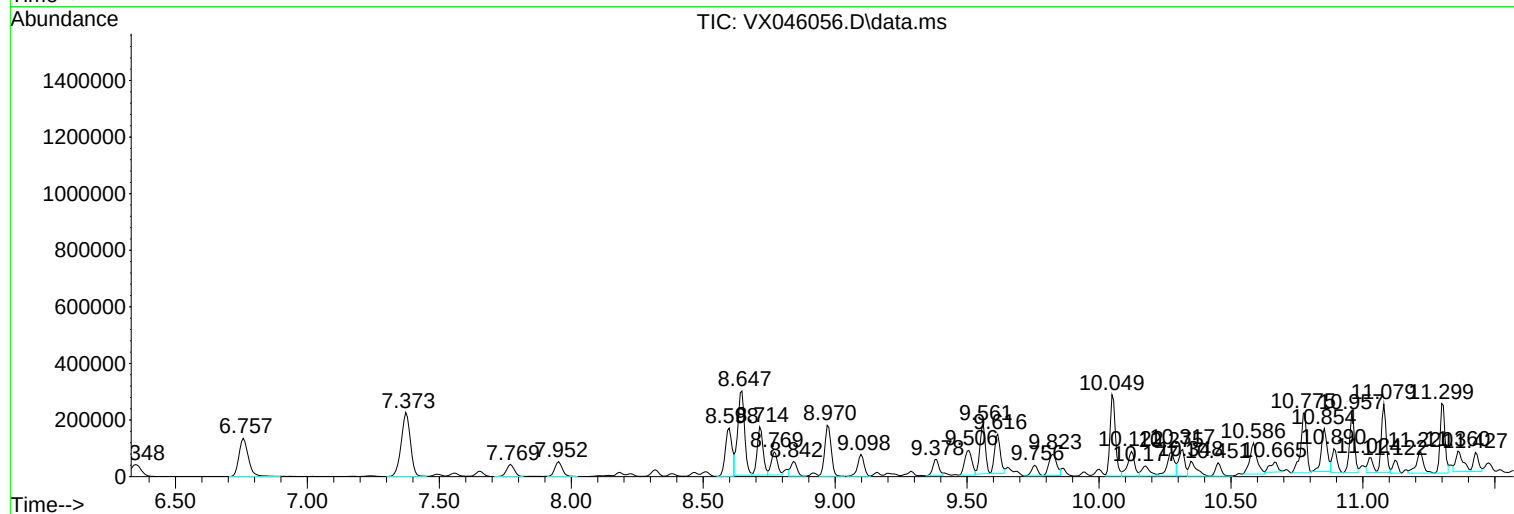
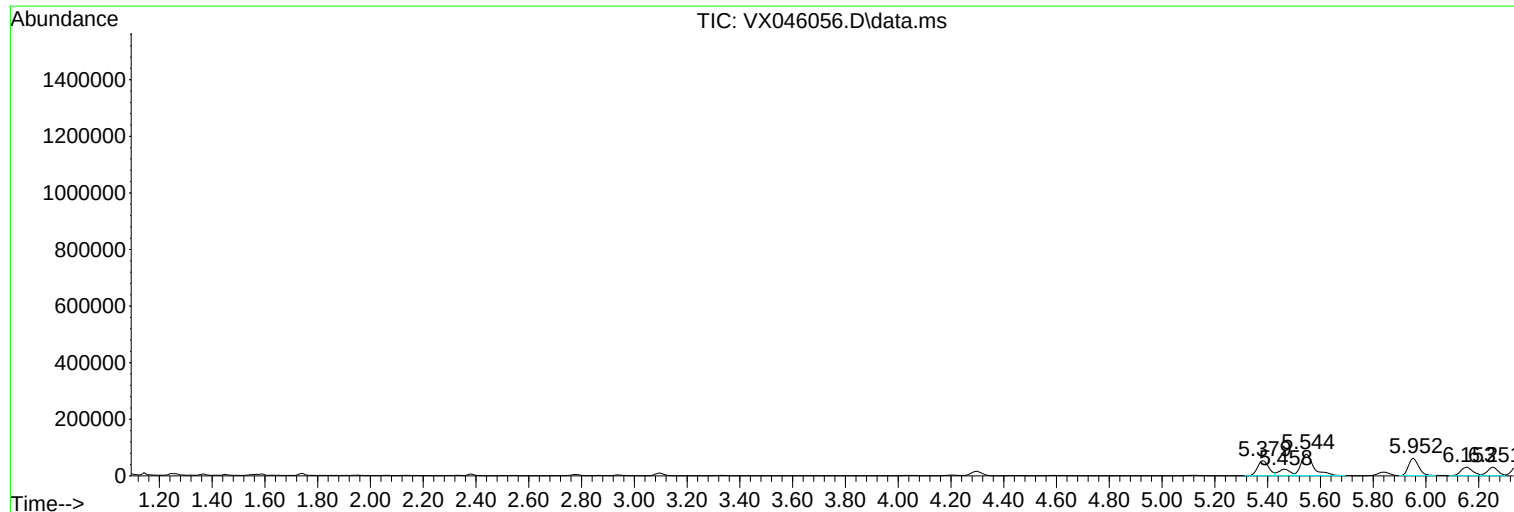
Sum of corrected areas: 25217673

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX050625\  
Data File : VX046056.D  
Acq On : 06 May 2025 12:15  
Operator : JC/MD  
Sample : Q1945-02  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
GB3W

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X050525W.M  
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX050625\  
Data File : VX046056.D  
Acq On : 06 May 2025 12:15  
Operator : JC/MD  
Sample : Q1945-02  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
GB3W

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X050525W.M  
Quant Title : SW846 8260

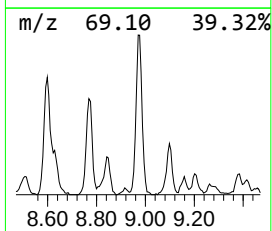
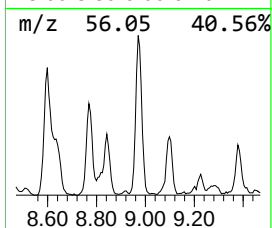
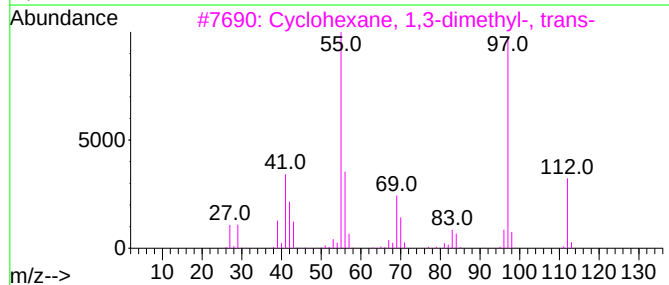
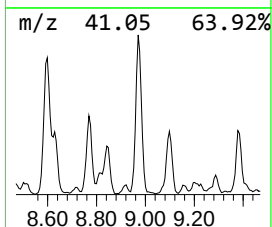
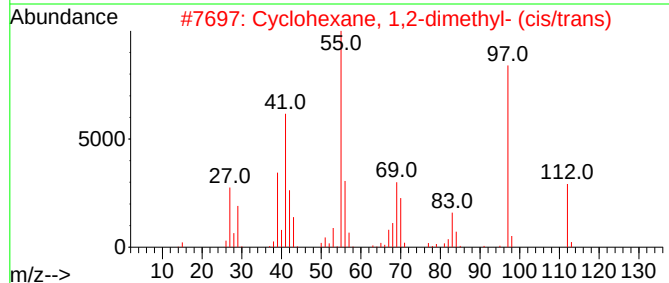
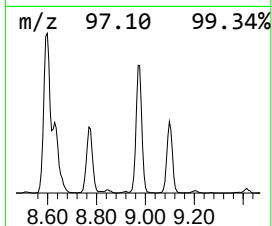
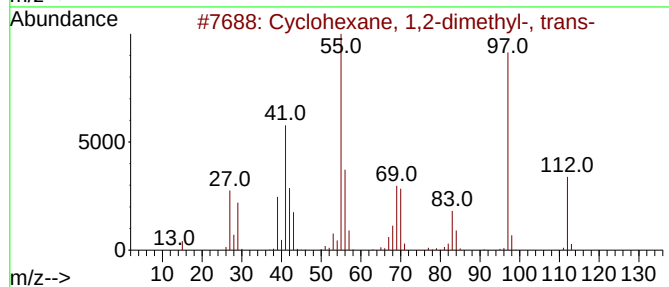
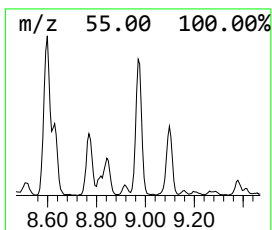
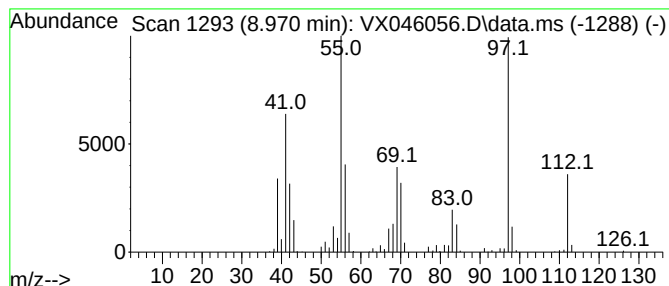
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*

Peak Number 1 Cyclohexane, 1,2-dimethyl-,... Concentration Rank 15

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.   |
|-------|------------|--------|------------------|--------|
| 8.970 | 36.68 ug/l | 303322 | Chlorobenzene-d5 | 10.049 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Cyclohexane, 1,2-dimethyl-, trans-  | 112 | C8H16   | 006876-23-9 | 96   |
| 2    |    |   | Cyclohexane, 1,2-dimethyl- (cis/... | 112 | C8H16   | 000583-57-3 | 95   |
| 3    |    |   | Cyclohexane, 1,3-dimethyl-, trans-  | 112 | C8H16   | 002207-03-6 | 87   |
| 4    |    |   | Cyclohexane, 1,2-dimethyl-, cis-    | 112 | C8H16   | 002207-01-4 | 70   |
| 5    |    |   | 1H-Pyrazole, 4,5-dihydro-3,5,5-t... | 112 | C6H12N2 | 003975-85-7 | 70   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX050625\  
Data File : VX046056.D  
Acq On : 06 May 2025 12:15  
Operator : JC/MD  
Sample : Q1945-02  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
GB3W

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X050525W.M  
Quant Title : SW846 8260

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

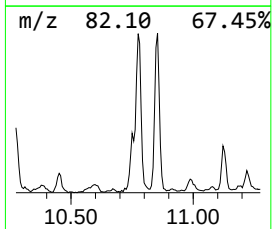
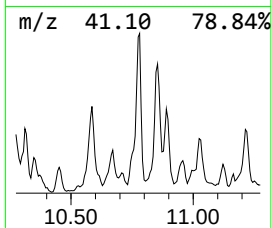
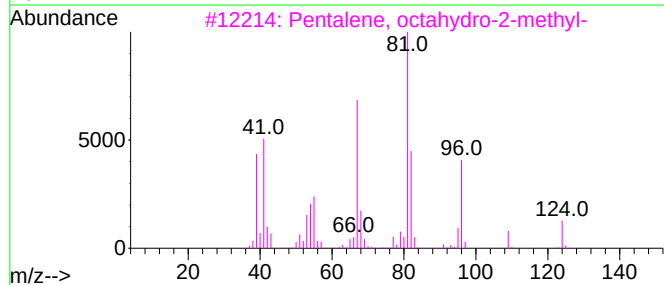
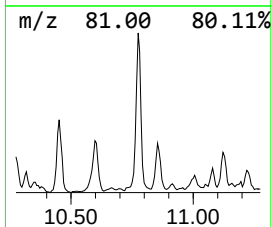
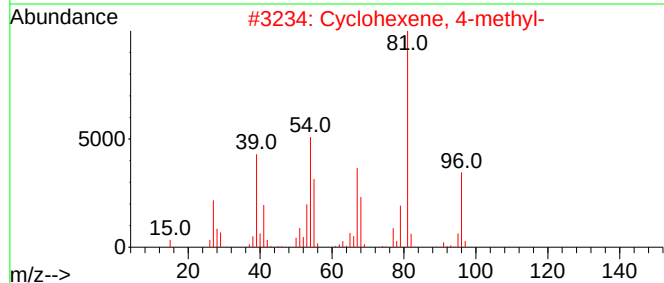
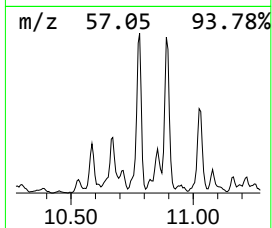
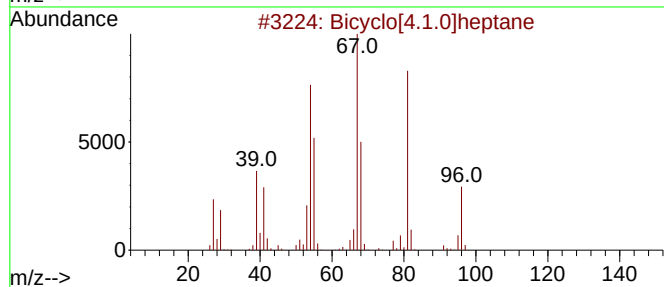
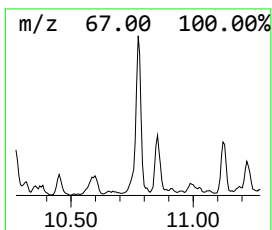
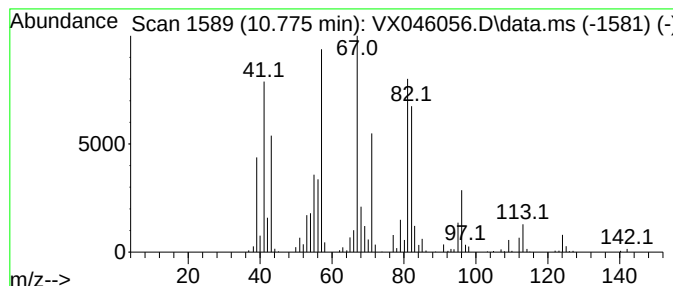
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Peak Number 2 unknown10.775 Concentration Rank 14

| R.T.   | EstConc    | Area   | Relative to ISTD | R.T.   |
|--------|------------|--------|------------------|--------|
| 10.775 | 39.88 ug/l | 329813 | Chlorobenzene-d5 | 10.049 |

| Hit# | of | 5 | Tentative ID                   | MW  | MolForm | CAS#        | Qual |
|------|----|---|--------------------------------|-----|---------|-------------|------|
| 1    |    |   | Bicyclo[4.1.0]heptane          | 96  | C7H12   | 000286-08-8 | 49   |
| 2    |    |   | Cyclohexene, 4-methyl-         | 96  | C7H12   | 000591-47-9 | 46   |
| 3    |    |   | Pentalene, octahydro-2-methyl- | 124 | C9H16   | 003868-64-2 | 43   |
| 4    |    |   | Bicyclo[3.3.1]nonane           | 124 | C9H16   | 000280-65-9 | 43   |
| 5    |    |   | Pentalene, octahydro-1-methyl- | 124 | C9H16   | 032273-77-1 | 43   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX050625\  
Data File : VX046056.D  
Acq On : 06 May 2025 12:15  
Operator : JC/MD  
Sample : Q1945-02  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
GB3W

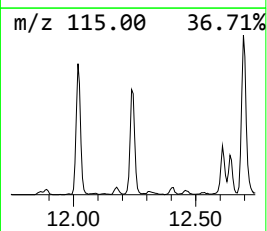
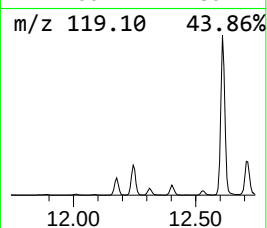
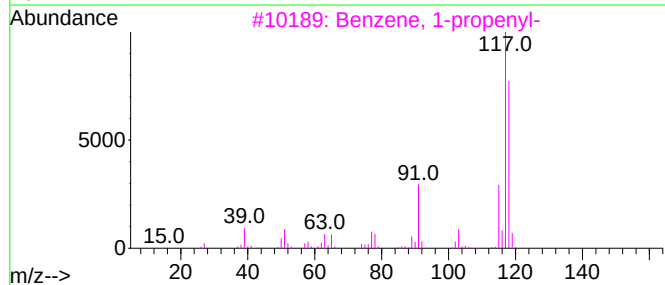
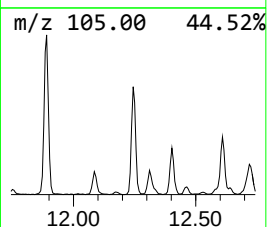
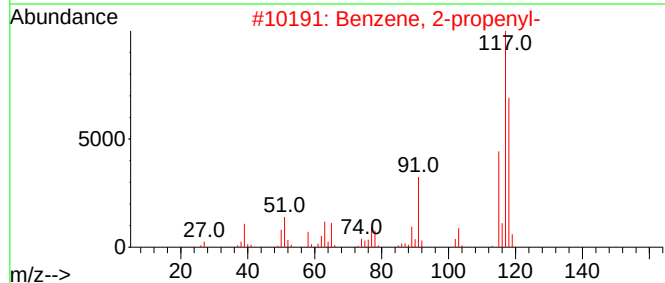
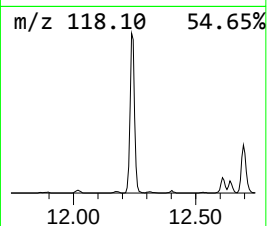
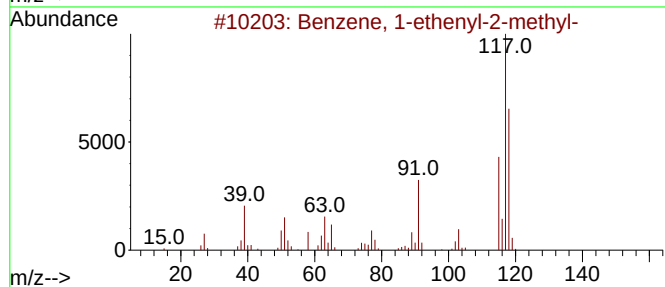
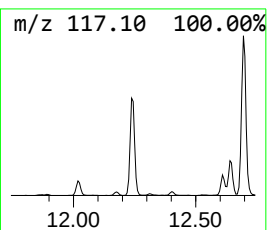
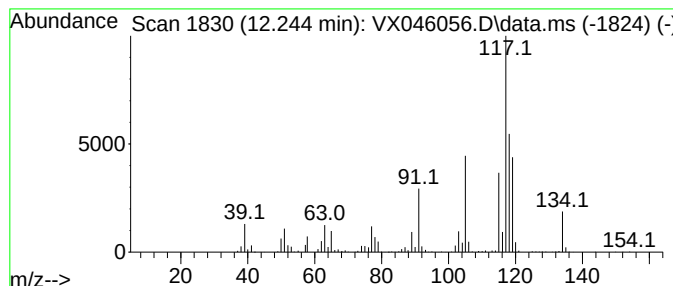
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Quant Title : SW846 8260

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

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Peak Number 3 Benzene, 1-ethenyl-2-methyl- Concentration Rank 11

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 12.244 | 51.36 ug/l | 406942 | 1,4-Dichlorobenzene-d4 | 12.018 |

| Hit# | of | 5 | Tentative ID                 | MW  | MolForm | CAS#        | Qual |
|------|----|---|------------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, 1-ethenyl-2-methyl- | 118 | C9H10   | 000611-15-4 | 89   |
| 2    |    |   | Benzene, 2-propenyl-         | 118 | C9H10   | 000300-57-2 | 86   |
| 3    |    |   | Benzene, 1-propenyl-         | 118 | C9H10   | 000637-50-3 | 83   |
| 4    |    |   | Benzene, cyclopropyl-        | 118 | C9H10   | 000873-49-4 | 78   |
| 5    |    |   | Indane                       | 118 | C9H10   | 000496-11-7 | 64   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX050625\  
Data File : VX046056.D  
Acq On : 06 May 2025 12:15  
Operator : JC/MD  
Sample : Q1945-02  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
GB3W

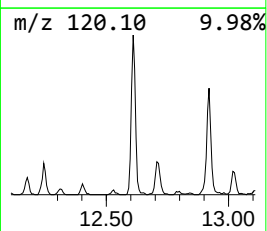
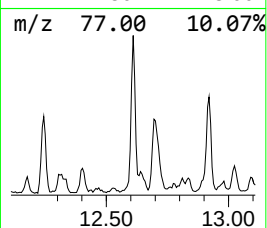
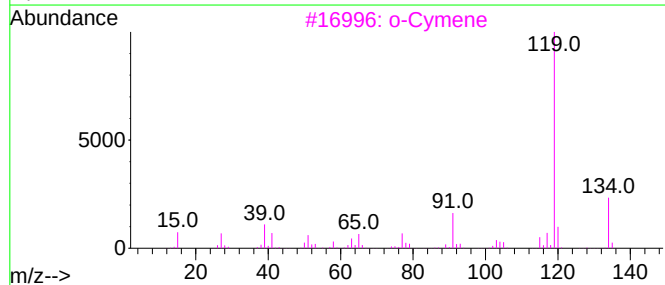
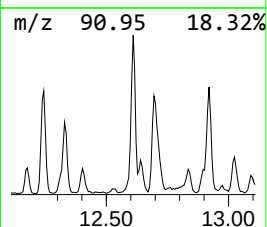
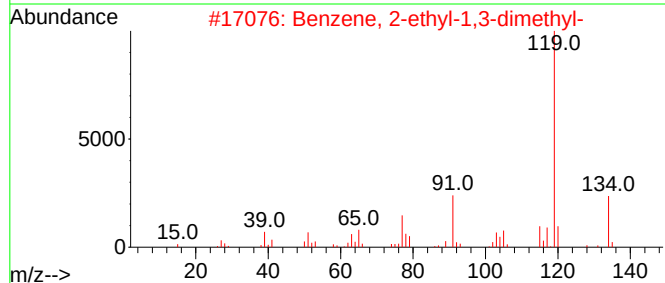
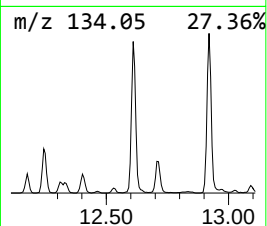
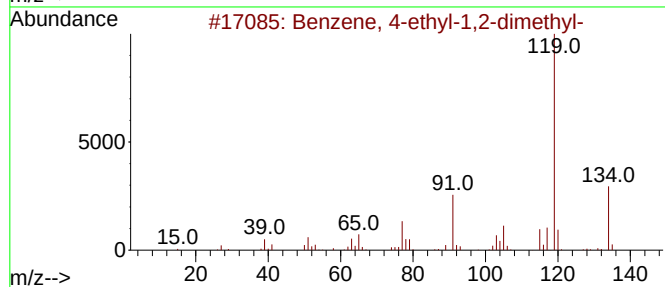
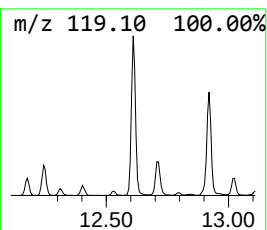
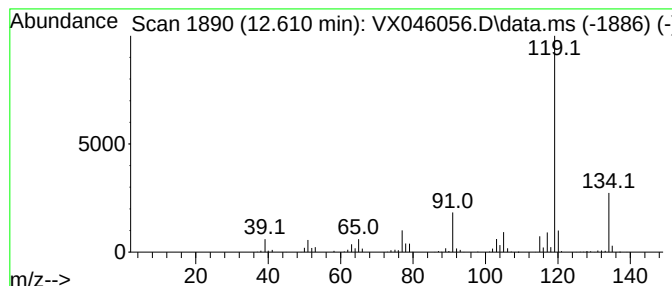
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Quant Title : SW846 8260

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

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Peak Number 4 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 10

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 12.610 | 57.81 ug/l | 458062 | 1,4-Dichlorobenzene-d4 | 12.018 |

| Hit# | of | 5 | Tentative ID                   | MW  | MolForm | CAS#        | Qual |
|------|----|---|--------------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, 4-ethyl-1,2-dimethyl- | 134 | C10H14  | 000934-80-5 | 96   |
| 2    |    |   | Benzene, 2-ethyl-1,3-dimethyl- | 134 | C10H14  | 002870-04-4 | 95   |
| 3    |    |   | o-Cymene                       | 134 | C10H14  | 000527-84-4 | 95   |
| 4    |    |   | p-Cymene                       | 134 | C10H14  | 000099-87-6 | 95   |
| 5    |    |   | Benzene, 2-ethyl-1,4-dimethyl- | 134 | C10H14  | 001758-88-9 | 95   |





Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX050625\  
Data File : VX046056.D  
Acq On : 06 May 2025 12:15  
Operator : JC/MD  
Sample : Q1945-02  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
GB3W

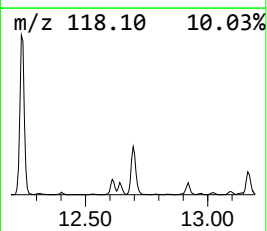
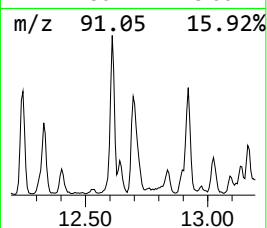
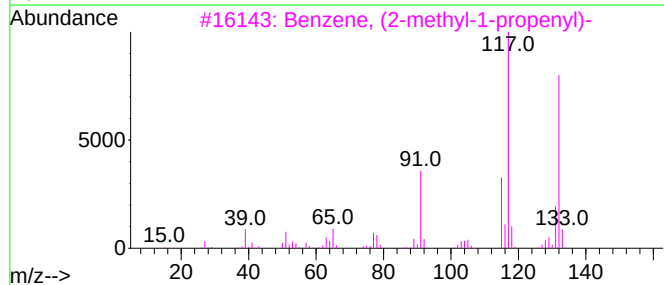
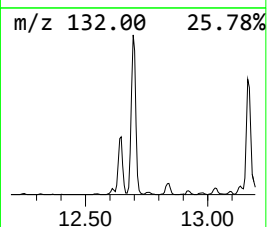
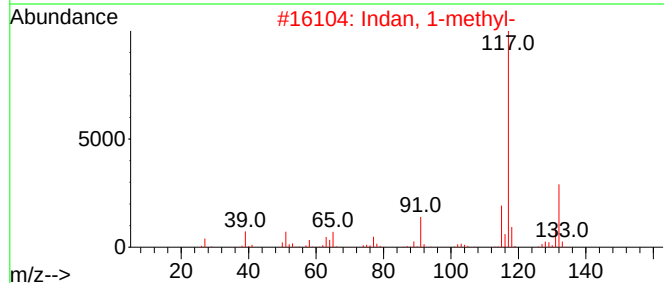
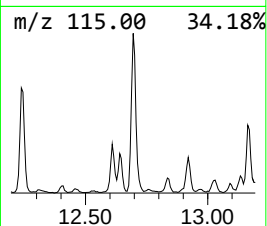
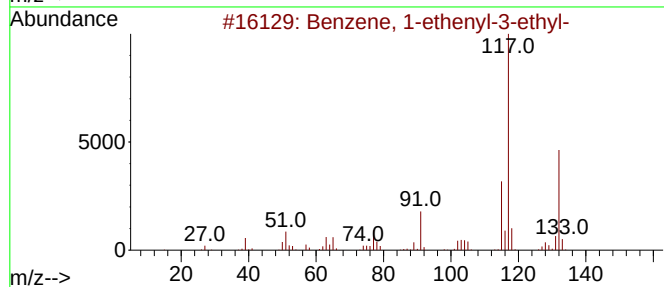
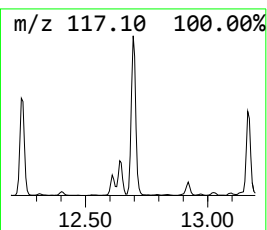
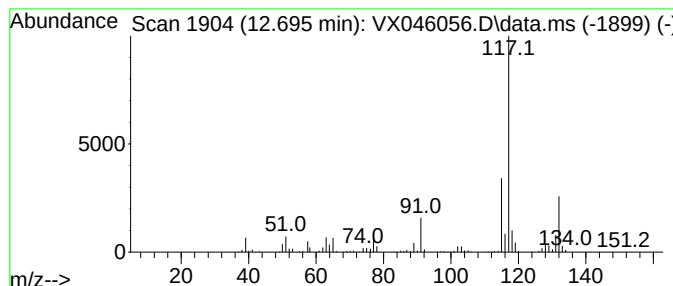
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Quant Title : SW846 8260

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

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Peak Number 5 Benzene, 1-ethenyl-3-ethyl- Concentration Rank 7

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 12.695 | 65.45 ug/l | 518620 | 1,4-Dichlorobenzene-d4 | 12.018 |

| Hit# | of | 5 | Tentative ID                    | MW  | MolForm | CAS#        | Qual |
|------|----|---|---------------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, 1-ethenyl-3-ethyl-     | 132 | C10H12  | 007525-62-4 | 90   |
| 2    |    |   | Indan, 1-methyl-                | 132 | C10H12  | 000767-58-8 | 87   |
| 3    |    |   | Benzene, (2-methyl-1-propenyl)- | 132 | C10H12  | 000768-49-0 | 87   |
| 4    |    |   | 1-Methyl-2-phenylcyclopropane   | 132 | C10H12  | 003145-76-4 | 83   |
| 5    |    |   | Benzene, 2-butenyl-             | 132 | C10H12  | 001560-06-1 | 83   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX050625\  
Data File : VX046056.D  
Acq On : 06 May 2025 12:15  
Operator : JC/MD  
Sample : Q1945-02  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
GB3W

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X050525W.M  
Quant Title : SW846 8260

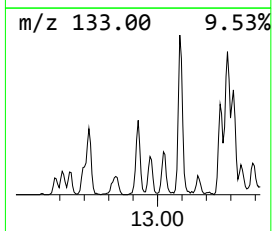
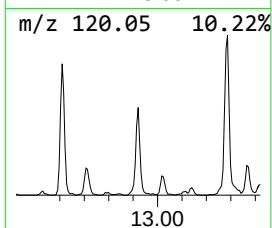
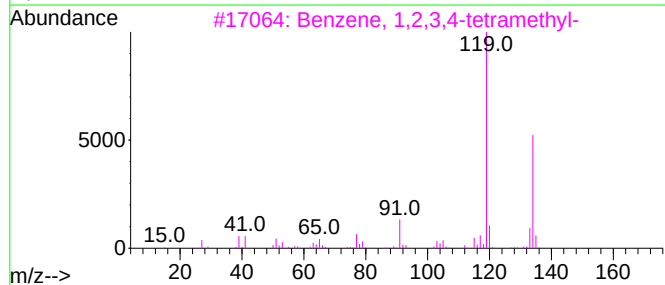
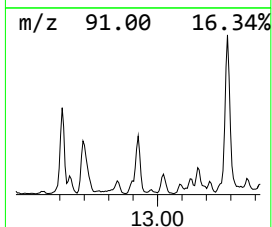
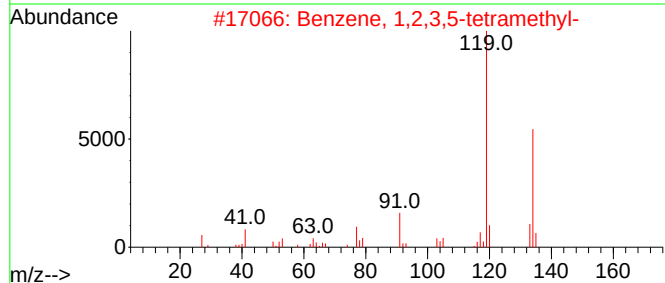
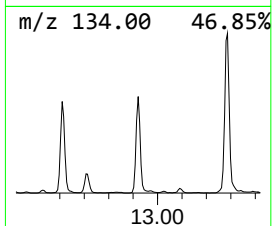
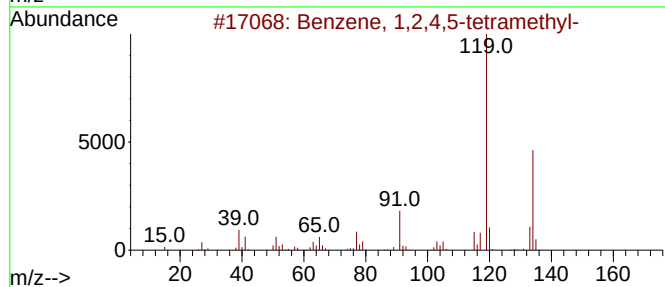
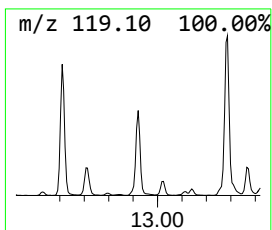
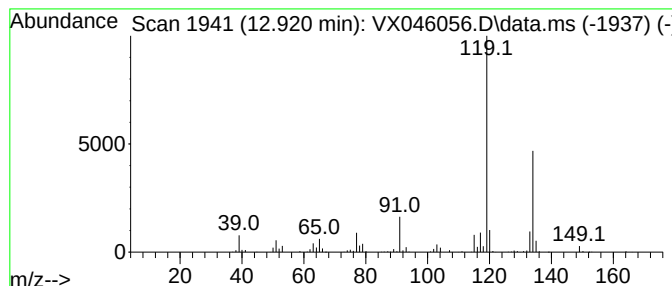
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 6 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 13

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 12.921 | 45.94 ug/l | 363998 | 1,4-Dichlorobenzene-d4 | 12.018 |

| Hit# | of | 5 | Tentative ID                   | MW  | MolForm | CAS#        | Qual |
|------|----|---|--------------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, 1,2,4,5-tetramethyl-  | 134 | C10H14  | 000095-93-2 | 95   |
| 2    |    |   | Benzene, 1,2,3,5-tetramethyl-  | 134 | C10H14  | 000527-53-7 | 95   |
| 3    |    |   | Benzene, 1,2,3,4-tetramethyl-  | 134 | C10H14  | 000488-23-3 | 94   |
| 4    |    |   | Benzene, 1-ethyl-2,3-dimethyl- | 134 | C10H14  | 000933-98-2 | 94   |
| 5    |    |   | Benzene, 2-ethyl-1,4-dimethyl- | 134 | C10H14  | 001758-88-9 | 93   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX050625\  
Data File : VX046056.D  
Acq On : 06 May 2025 12:15  
Operator : JC/MD  
Sample : Q1945-02  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
GB3W

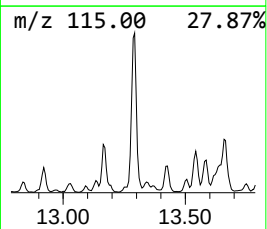
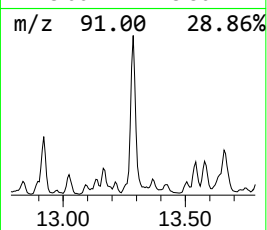
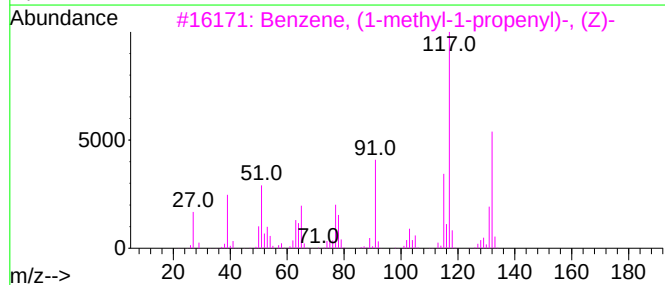
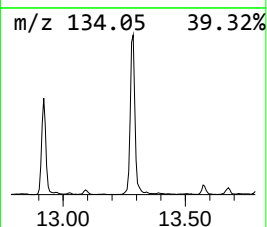
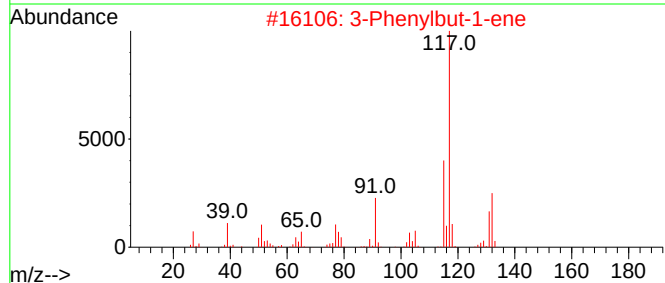
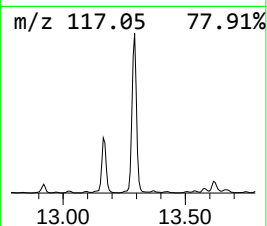
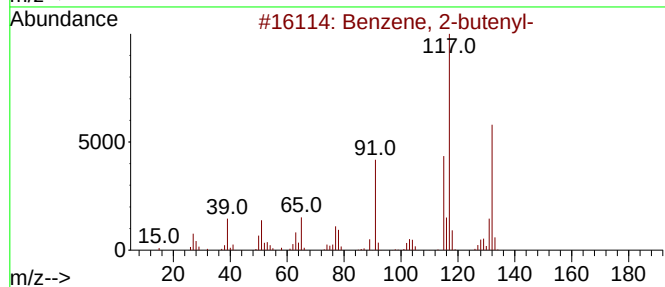
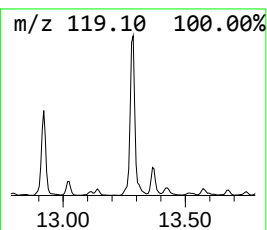
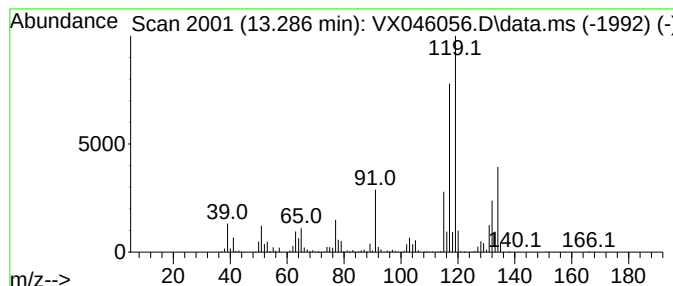
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Quant Title : SW846 8260

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

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Peak Number 7 Benzene, 2-butenyl- Concentration Rank 3

| R.T.   | EstConc     | Area    | Relative to ISTD       | R.T.   |
|--------|-------------|---------|------------------------|--------|
| 13.286 | 174.29 ug/l | 1381050 | 1,4-Dichlorobenzene-d4 | 12.018 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, 2-butenyl-                 | 132 | C10H12  | 001560-06-1 | 89   |
| 2    |    |   | 3-Phenylbut-1-ene                   | 132 | C10H12  | 000934-10-1 | 86   |
| 3    |    |   | Benzene, (1-methyl-1-propenyl)-,... | 132 | C10H12  | 000767-99-7 | 64   |
| 4    |    |   | Benzene, 1-methyl-4-(2-propenyl)-   | 132 | C10H12  | 003333-13-9 | 64   |
| 5    |    |   | Benzene, 1,2,3,4-tetramethyl-       | 134 | C10H14  | 000488-23-3 | 50   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX050625\  
Data File : VX046056.D  
Acq On : 06 May 2025 12:15  
Operator : JC/MD  
Sample : Q1945-02  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
GB3W

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X050525W.M  
Quant Title : SW846 8260

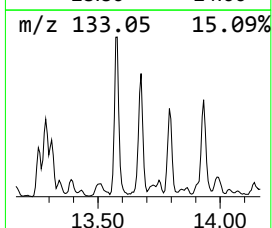
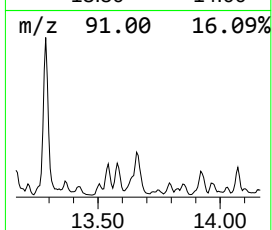
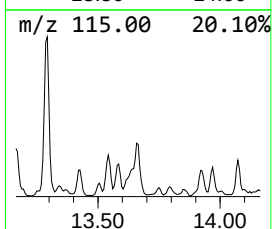
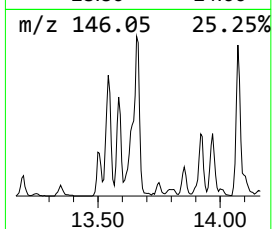
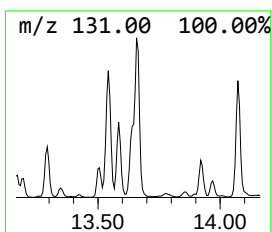
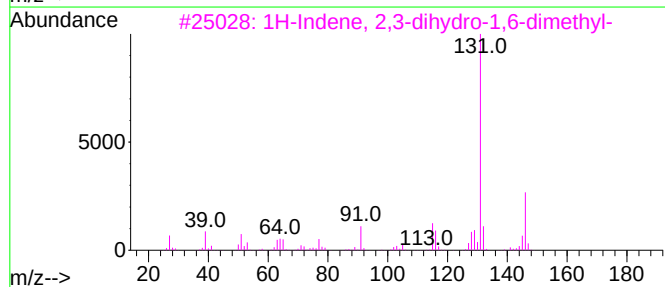
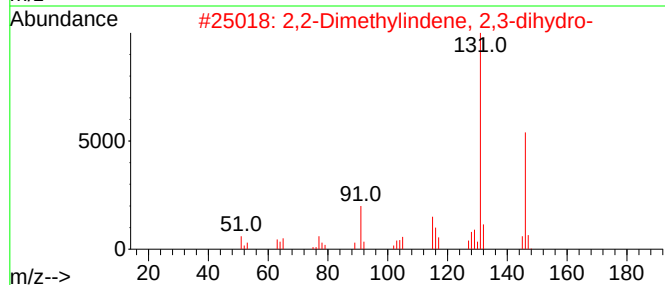
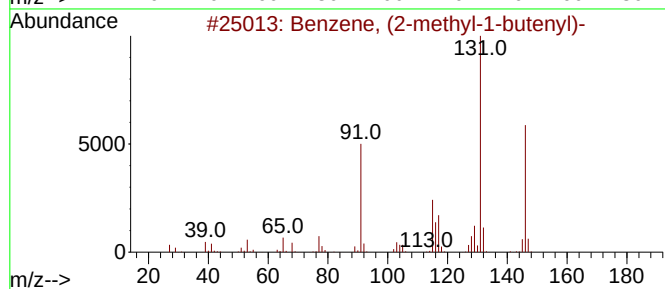
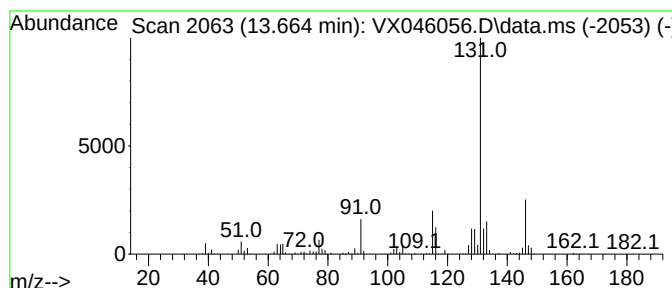
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 8 Benzene, (2-methyl-1-butenyl)- Concentration Rank 6

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 13.664 | 69.17 ug/l | 548099 | 1,4-Dichlorobenzene-d4 | 12.018 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, (2-methyl-1-butenyl)-      | 146 | C11H14  | 056253-64-6 | 96   |
| 2    |    |   | 2,2-Dimethylindene, 2,3-dihydro-    | 146 | C11H14  | 020836-11-7 | 94   |
| 3    |    |   | 1H-Indene, 2,3-dihydro-1,6-dimet... | 146 | C11H14  | 017059-48-2 | 91   |
| 4    |    |   | 1H-Indene, 2,3-dihydro-1,3-dimet... | 146 | C11H14  | 004175-53-5 | 91   |
| 5    |    |   | 1H-Indene, 2,3-dihydro-4,7-dimet... | 146 | C11H14  | 006682-71-9 | 91   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX050625\  
Data File : VX046056.D  
Acq On : 06 May 2025 12:15  
Operator : JC/MD  
Sample : Q1945-02  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
GB3W

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X050525W.M  
Quant Title : SW846 8260

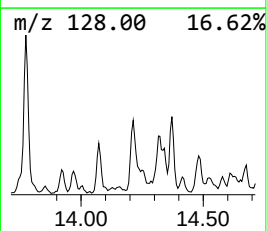
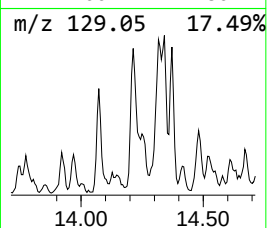
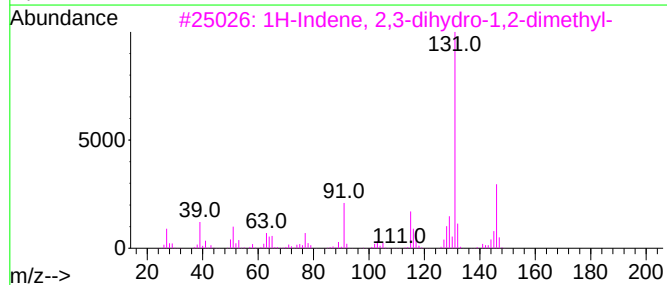
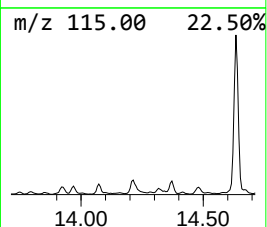
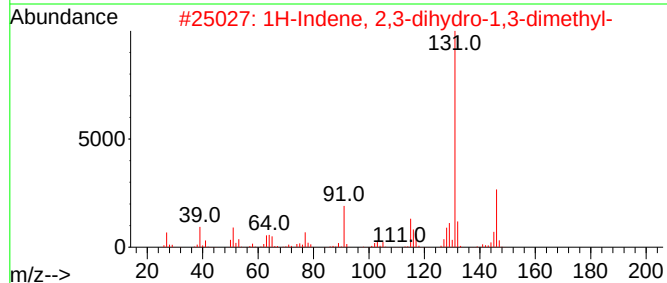
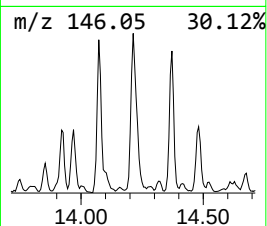
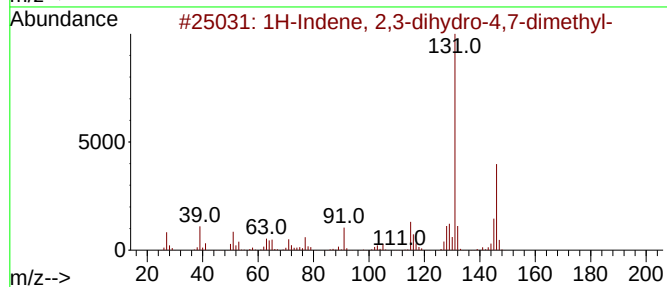
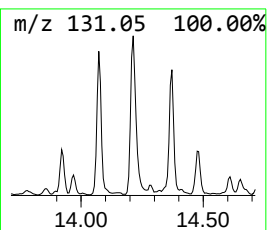
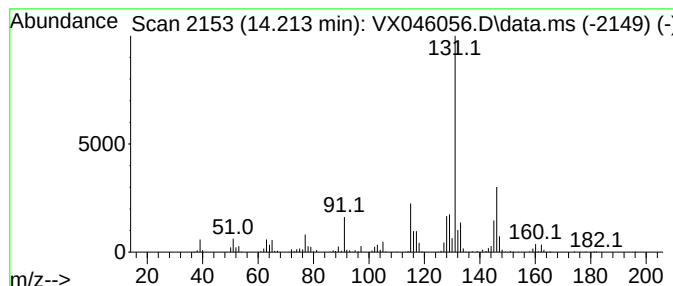
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 9 1H-Indene, 2,3-dihydro-4,7-... Concentration Rank 12

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 14.213 | 51.00 ug/l | 404133 | 1,4-Dichlorobenzene-d4 | 12.018 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | 1H-Indene, 2,3-dihydro-4,7-dimet... | 146 | C11H14  | 006682-71-9 | 94   |
| 2    |    |   | 1H-Indene, 2,3-dihydro-1,3-dimet... | 146 | C11H14  | 004175-53-5 | 91   |
| 3    |    |   | 1H-Indene, 2,3-dihydro-1,2-dimet... | 146 | C11H14  | 017057-82-8 | 91   |
| 4    |    |   | Benzene, (1,2-dimethyl-1-propenyl)- | 146 | C11H14  | 000769-57-3 | 87   |
| 5    |    |   | 1H-Indene, 2,3-dihydro-1,6-dimet... | 146 | C11H14  | 017059-48-2 | 87   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX050625\  
Data File : VX046056.D  
Acq On : 06 May 2025 12:15  
Operator : JC/MD  
Sample : Q1945-02  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
GB3W

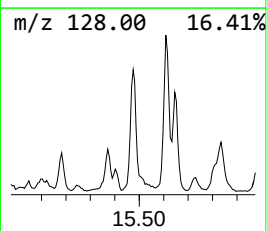
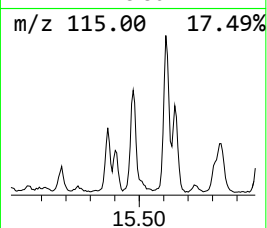
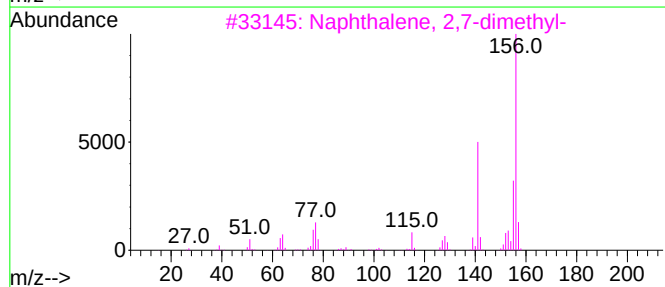
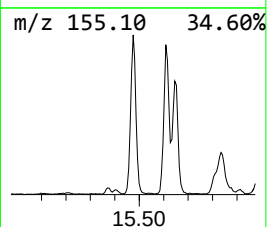
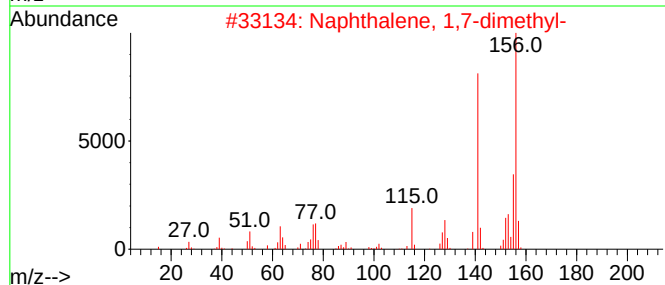
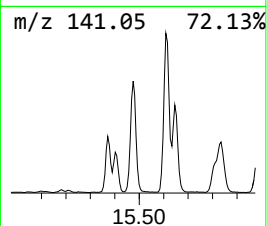
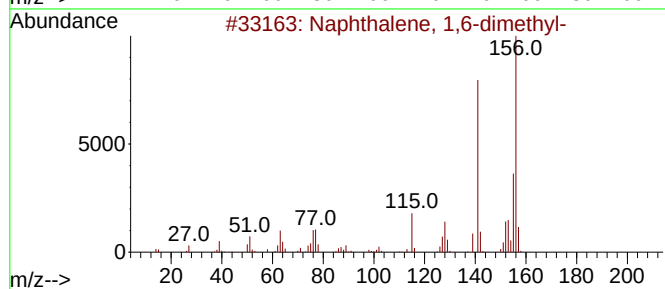
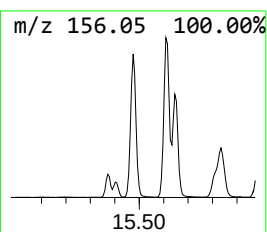
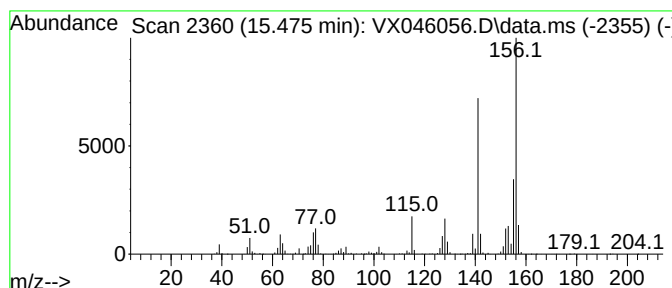
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X050525W.M  
Quant Title : SW846 8260

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

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Peak Number 12 Naphthalene, 1,6-dimethyl- Concentration Rank 5

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 15.475 | 95.57 ug/l | 757285 | 1,4-Dichlorobenzene-d4 | 12.018 |

| Hit# | of | 5 | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------------|-----|---------|-------------|------|
| 1    |    |   | Naphthalene, 1,6-dimethyl- | 156 | C12H12  | 000575-43-9 | 98   |
| 2    |    |   | Naphthalene, 1,7-dimethyl- | 156 | C12H12  | 000575-37-1 | 98   |
| 3    |    |   | Naphthalene, 2,7-dimethyl- | 156 | C12H12  | 000582-16-1 | 97   |
| 4    |    |   | Naphthalene, 2,3-dimethyl- | 156 | C12H12  | 000581-40-8 | 97   |
| 5    |    |   | Naphthalene, 1,5-dimethyl- | 156 | C12H12  | 000571-61-9 | 96   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX050625\  
Data File : VX046056.D  
Acq On : 06 May 2025 12:15  
Operator : JC/MD  
Sample : Q1945-02  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
GB3W

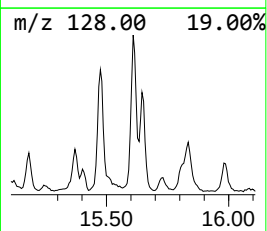
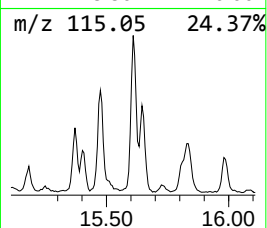
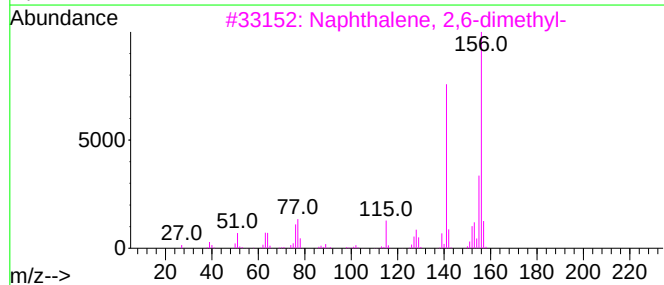
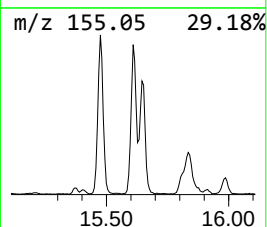
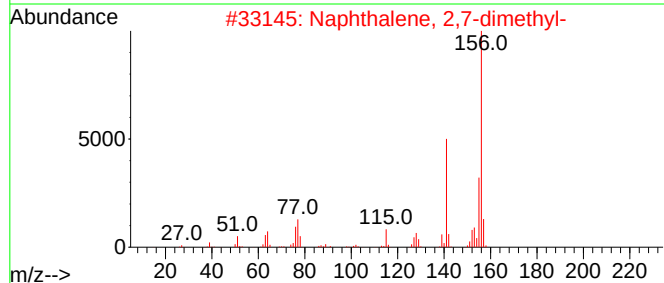
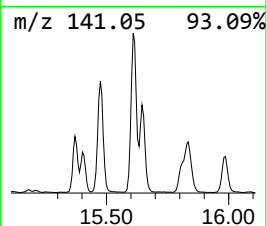
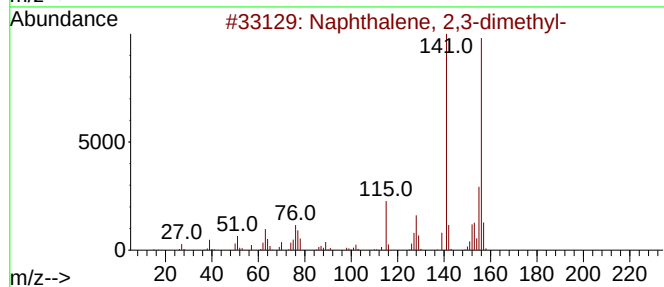
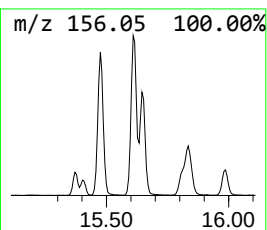
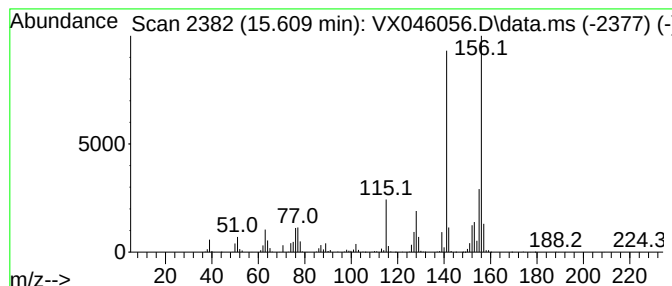
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Quant Title : SW846 8260

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

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Peak Number 13 Naphthalene, 2,3-dimethyl- Concentration Rank 4

| R.T.   | EstConc     | Area   | Relative to ISTD       | R.T.   |
|--------|-------------|--------|------------------------|--------|
| 15.609 | 112.20 ug/l | 889054 | 1,4-Dichlorobenzene-d4 | 12.018 |

| Hit# | of | 5 | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------------|-----|---------|-------------|------|
| 1    |    |   | Naphthalene, 2,3-dimethyl- | 156 | C12H12  | 000581-40-8 | 98   |
| 2    |    |   | Naphthalene, 2,7-dimethyl- | 156 | C12H12  | 000582-16-1 | 97   |
| 3    |    |   | Naphthalene, 2,6-dimethyl- | 156 | C12H12  | 000581-42-0 | 97   |
| 4    |    |   | Naphthalene, 1,3-dimethyl- | 156 | C12H12  | 000575-41-7 | 97   |
| 5    |    |   | Naphthalene, 1,4-dimethyl- | 156 | C12H12  | 000571-58-4 | 97   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX050625\  
Data File : VX046056.D  
Acq On : 06 May 2025 12:15  
Operator : JC/MD  
Sample : Q1945-02  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
GB3W

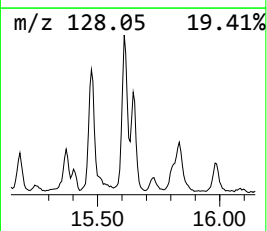
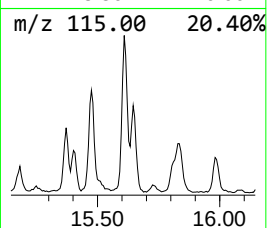
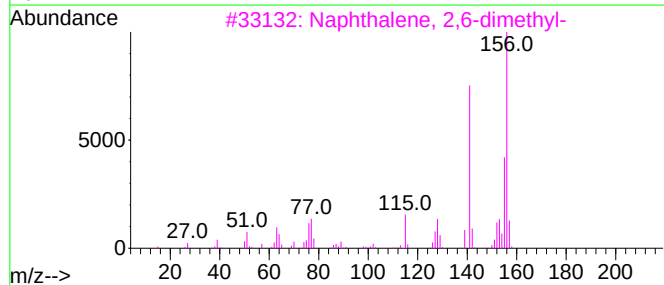
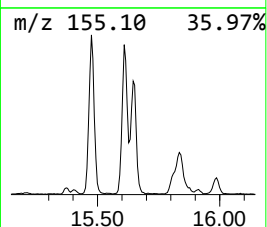
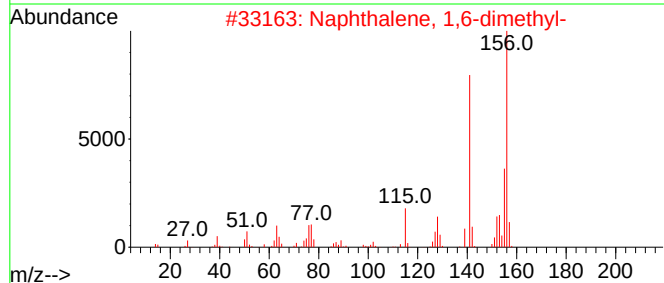
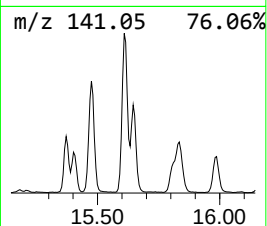
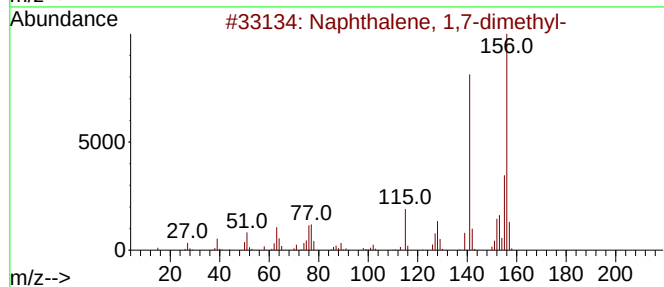
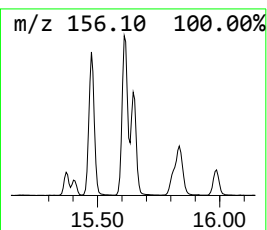
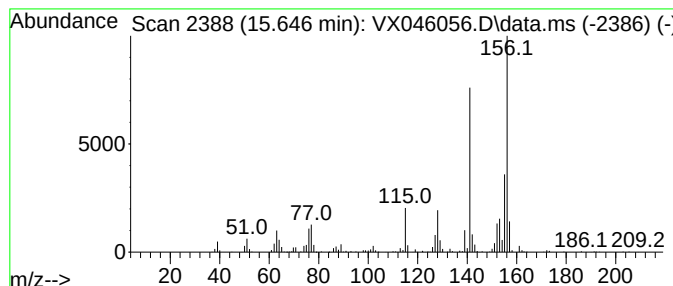
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X050525W.M  
Quant Title : SW846 8260

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

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Peak Number 14 Naphthalene, 1,7-dimethyl- Concentration Rank 8

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 15.646 | 61.59 ug/l | 488059 | 1,4-Dichlorobenzene-d4 | 12.018 |

| Hit# | of | 5 | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------------|-----|---------|-------------|------|
| 1    |    |   | Naphthalene, 1,7-dimethyl- | 156 | C12H12  | 000575-37-1 | 96   |
| 2    |    |   | Naphthalene, 1,6-dimethyl- | 156 | C12H12  | 000575-43-9 | 96   |
| 3    |    |   | Naphthalene, 2,6-dimethyl- | 156 | C12H12  | 000581-42-0 | 96   |
| 4    |    |   | Naphthalene, 1,5-dimethyl- | 156 | C12H12  | 000571-61-9 | 96   |
| 5    |    |   | Naphthalene, 2,7-dimethyl- | 156 | C12H12  | 000582-16-1 | 95   |





Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX050625\  
Data File : VX046056.D  
Acq On : 06 May 2025 12:15  
Operator : JC/MD  
Sample : Q1945-02  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
GB3W

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X050525W.M  
Quant Title : SW846 8260

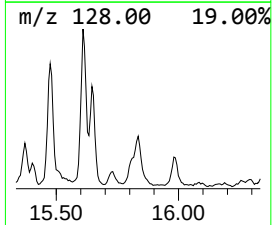
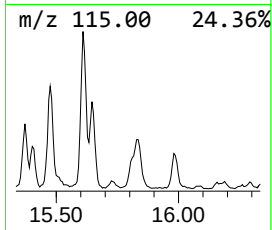
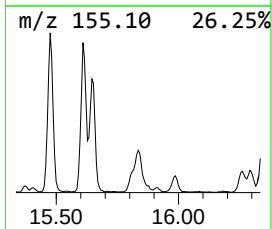
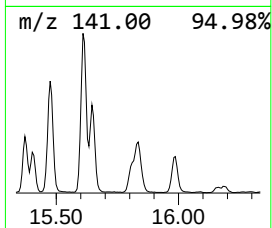
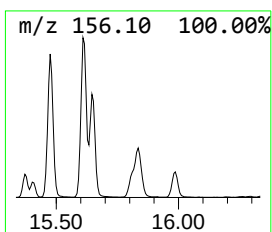
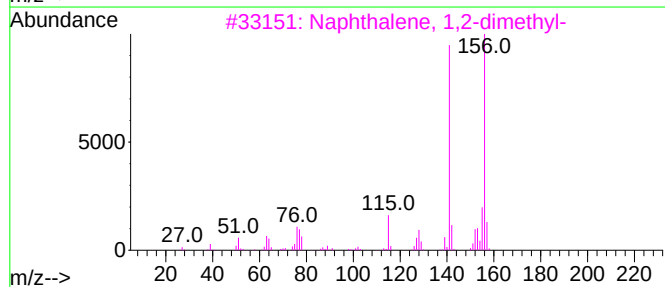
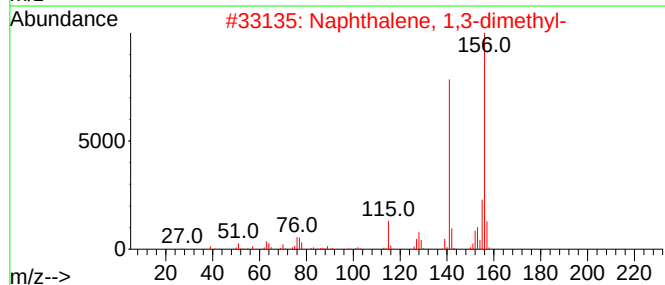
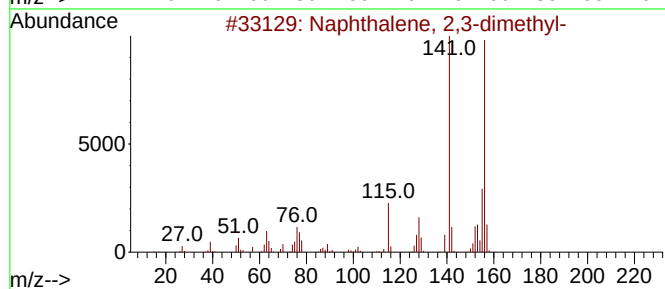
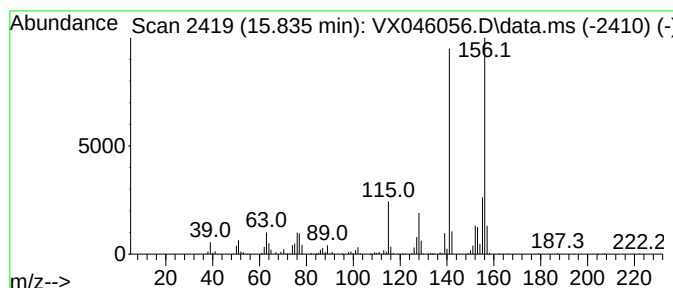
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 15 Naphthalene, 1,3-dimethyl- Concentration Rank 9

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 15.835 | 58.73 ug/l | 465398 | 1,4-Dichlorobenzene-d4 | 12.018 |

| Hit# | of | 5 | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------------|-----|---------|-------------|------|
| 1    |    |   | Naphthalene, 2,3-dimethyl- | 156 | C12H12  | 000581-40-8 | 98   |
| 2    |    |   | Naphthalene, 1,3-dimethyl- | 156 | C12H12  | 000575-41-7 | 97   |
| 3    |    |   | Naphthalene, 1,2-dimethyl- | 156 | C12H12  | 000573-98-8 | 96   |
| 4    |    |   | Naphthalene, 2,7-dimethyl- | 156 | C12H12  | 000582-16-1 | 95   |
| 5    |    |   | Naphthalene, 1,6-dimethyl- | 156 | C12H12  | 000575-43-9 | 95   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX050625\  
Data File : VX046056.D  
Acq On : 06 May 2025 12:15  
Operator : JC/MD  
Sample : Q1945-02  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
GB3W

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X050525W.M  
Quant Title : SW846 8260

TIC Library : C:\Database\NIST0.L  
TIC Integration Parameters: LSCINT.P

| TIC Top Hit name   | RT     | EstConc | Units | Response | --Internal Standard-- |        |        |      |
|--------------------|--------|---------|-------|----------|-----------------------|--------|--------|------|
|                    |        |         |       |          | #                     | RT     | Resp   | Conc |
| Cyclohexane, 1,... | 8.970  | 36.7    | ug/l  | 303322   | 3                     | 10.049 | 413455 | 50.0 |
| unknown10.775      | 10.775 | 39.9    | ug/l  | 329813   | 3                     | 10.049 | 413455 | 50.0 |
| Benzene, 1-ethe... | 12.244 | 51.4    | ug/l  | 406942   | 4                     | 12.018 | 396192 | 50.0 |
| Benzene, 4-ethy... | 12.610 | 57.8    | ug/l  | 458062   | 4                     | 12.018 | 396192 | 50.0 |
| Benzene, 1-ethe... | 12.695 | 65.5    | ug/l  | 518620   | 4                     | 12.018 | 396192 | 50.0 |
| Benzene, 1,2,4,... | 12.921 | 45.9    | ug/l  | 363998   | 4                     | 12.018 | 396192 | 50.0 |
| Benzene, 2-bute... | 13.286 | 174.3   | ug/l  | 1381050  | 4                     | 12.018 | 396192 | 50.0 |
| Benzene, (2-met... | 13.664 | 69.2    | ug/l  | 548099   | 4                     | 12.018 | 396192 | 50.0 |
| 1H-Indene, 2,3-... | 14.213 | 51.0    | ug/l  | 404133   | 4                     | 12.018 | 396192 | 50.0 |
| Naphthalene, 1,... | 15.475 | 95.6    | ug/l  | 757285   | 4                     | 12.018 | 396192 | 50.0 |
| Naphthalene, 2,... | 15.609 | 112.2   | ug/l  | 889054   | 4                     | 12.018 | 396192 | 50.0 |
| Naphthalene, 1,... | 15.646 | 61.6    | ug/l  | 488059   | 4                     | 12.018 | 396192 | 50.0 |
| Naphthalene, 1,... | 15.835 | 58.7    | ug/l  | 465398   | 4                     | 12.018 | 396192 | 50.0 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX050625\  
Data File : VX046052.D  
Acq On : 06 May 2025 10:39  
Operator : JC/MD  
Sample : VX0506WBL01  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0506WBL01

A  
B  
C  
D  
E  
F  
G  
H  
I  
J

Quant Time: May 07 01:44:41 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X050525W.M  
Quant Title : SW846 8260  
QLast Update : Tue May 06 07:12:22 2025  
Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 5.544  | 168  | 68197    | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.757  | 114  | 136434   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.049 | 117  | 126551   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152  | 54743    | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 5.952  | 65    | 67874    | 53.385   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =    | 106.760% |
| 35) Dibromofluoromethane    | 5.379  | 113   | 49460    | 50.343   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =    | 100.680% |
| 50) Toluene-d8              | 8.647  | 98    | 168818   | 49.646   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =    | 99.300%  |
| 62) 4-Bromofluorobenzene    | 11.079 | 95    | 64799    | 49.679   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 77 - 121 | Recovery | =    | 99.360%  |

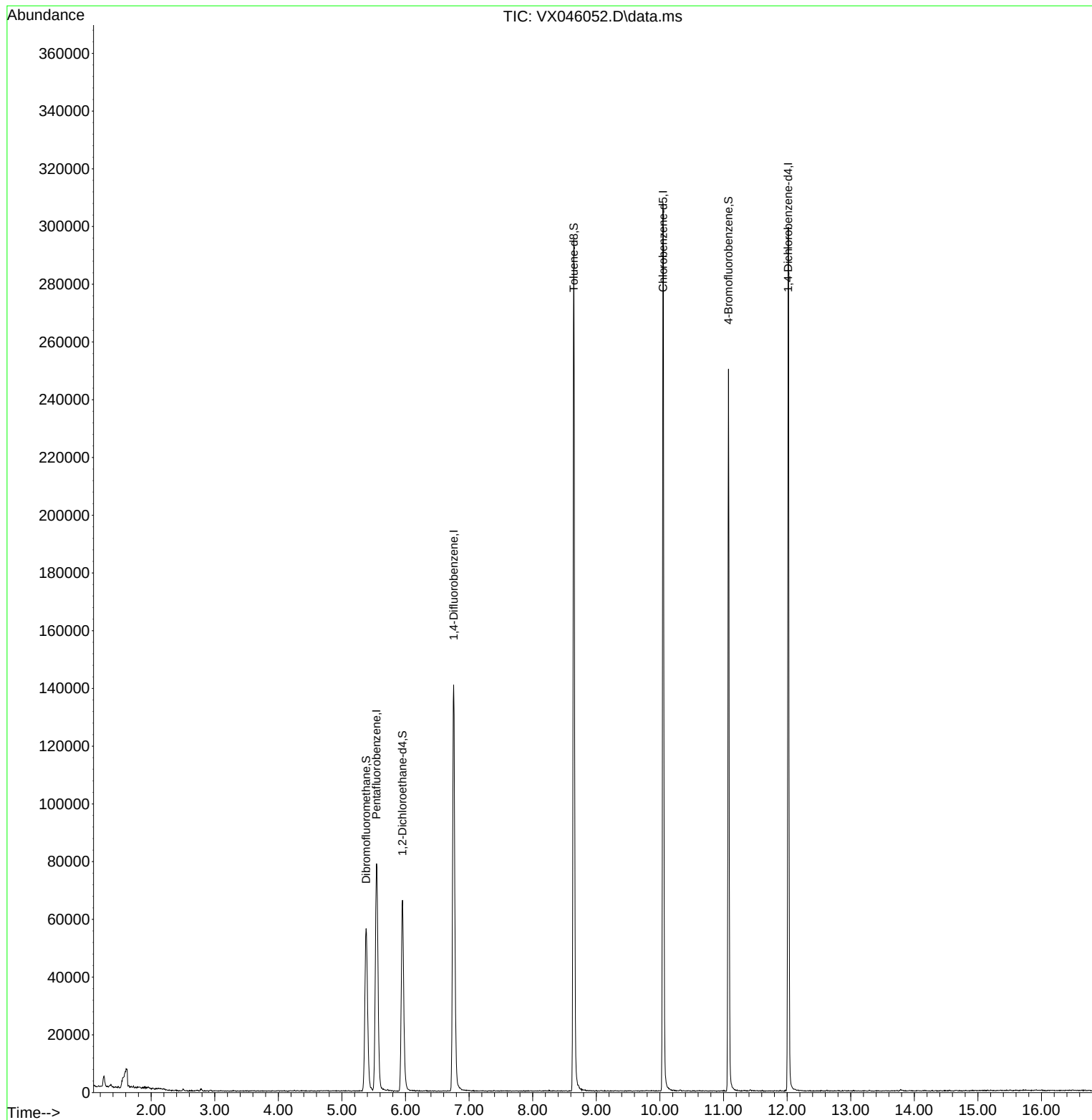
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

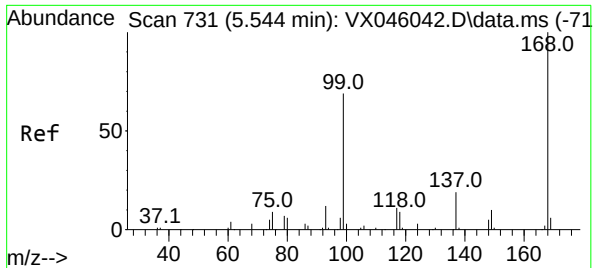
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX050625\  
Data File : VX046052.D  
Acq On : 06 May 2025 10:39  
Operator : JC/MD  
Sample : VX0506WBL01  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0506WBL01

Quant Time: May 07 01:44:41 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X050525W.M  
Quant Title : SW846 8260  
QLast Update : Tue May 06 07:12:22 2025  
Response via : Initial Calibration



#1  
Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.544 min Scan# 71

Delta R.T. -0.000 min

Lab File: VX046052.D

Acq: 06 May 2025 10:39

Instrument :

MSVOA\_X

ClientSampleId :

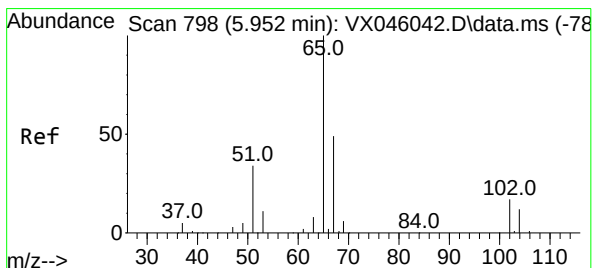
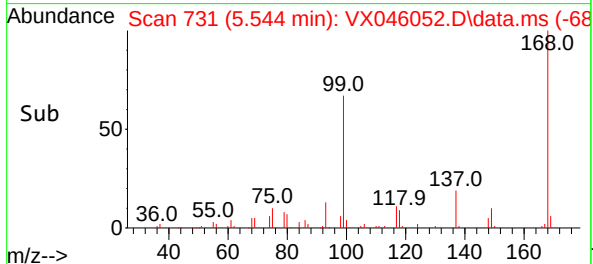
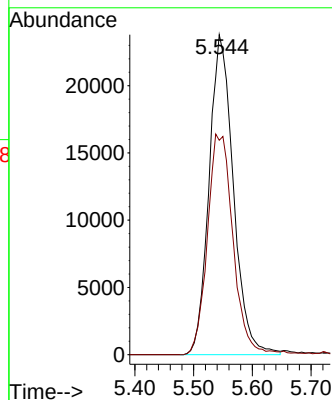
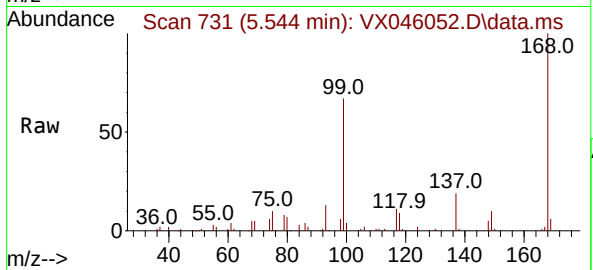
VX0506WBL01

Tgt Ion:168 Resp: 68197

Ion Ratio Lower Upper

168 100

99 67.0 54.9 82.3



#33

1,2-Dichloroethane-d4

Concen: 53.385 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX046052.D

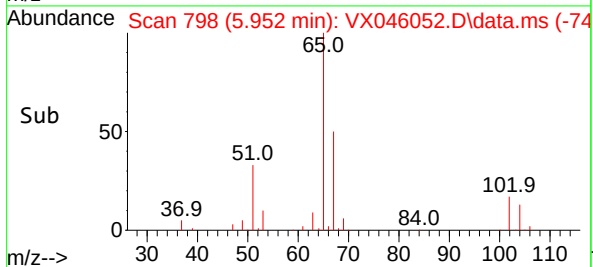
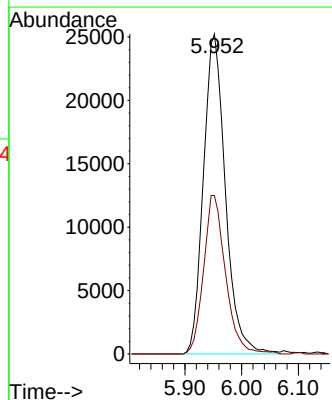
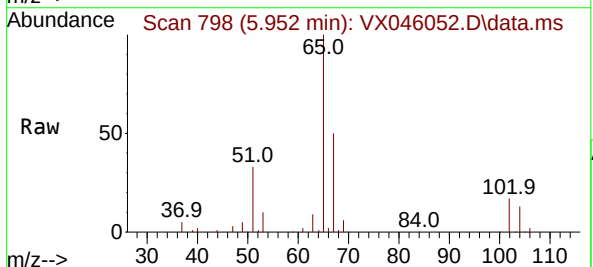
Acq: 06 May 2025 10:39

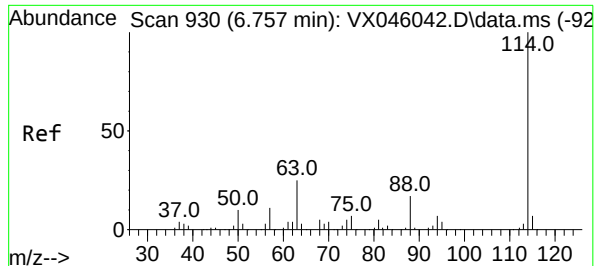
Tgt Ion: 65 Resp: 67874

Ion Ratio Lower Upper

65 100

67 49.5 0.0 99.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 91

Delta R.T. -0.000 min

Lab File: VX046052.D

Acq: 06 May 2025 10:39

Instrument :

MSVOA\_X

ClientSampleId :

VX0506WBL01

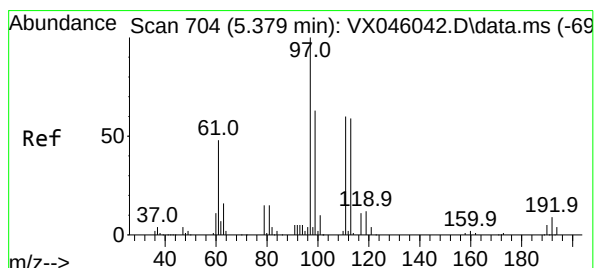
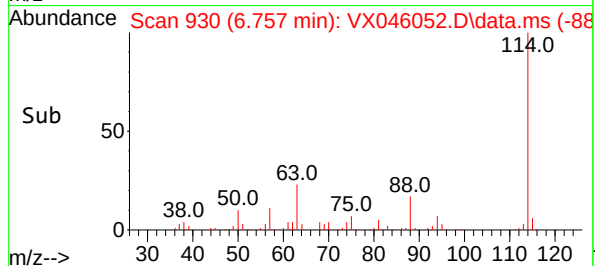
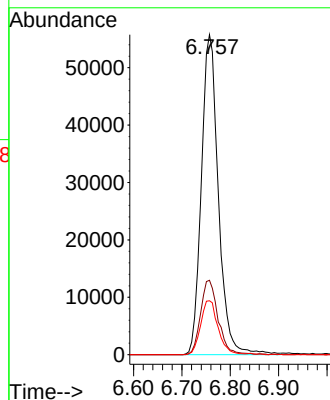
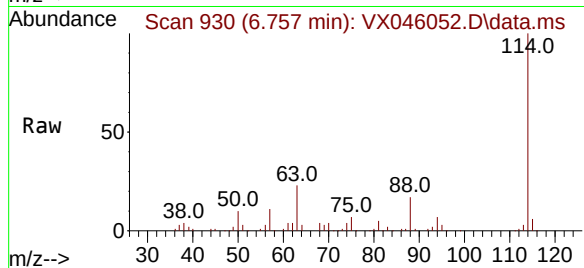
Tgt Ion:114 Resp: 136434

Ion Ratio Lower Upper

114 100

63 23.2 0.0 49.2

88 16.9 0.0 33.6



#35

Dibromofluoromethane

Concen: 50.343 ug/l

RT: 5.379 min Scan# 704

Delta R.T. -0.000 min

Lab File: VX046052.D

Acq: 06 May 2025 10:39

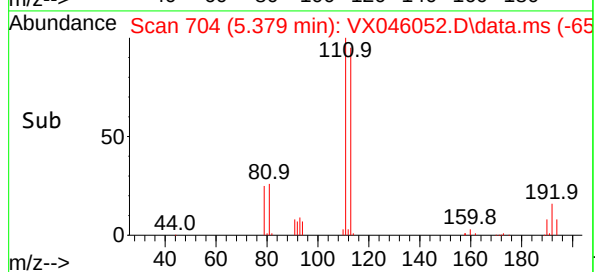
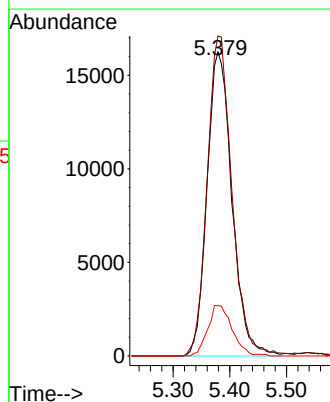
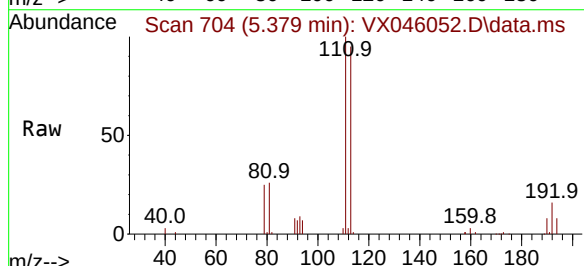
Tgt Ion:113 Resp: 49460

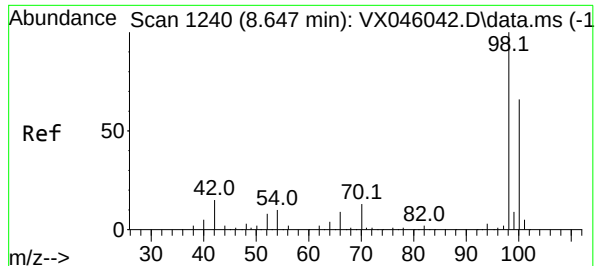
Ion Ratio Lower Upper

113 100

111 104.8 83.1 124.7

192 16.2 13.3 19.9





#50

Toluene-d8

Concen: 49.646 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.000 min

Lab File: VX046052.D

Acq: 06 May 2025 10:39

Instrument :

MSVOA\_X

ClientSampleId :

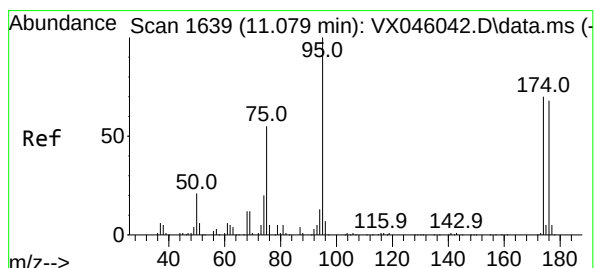
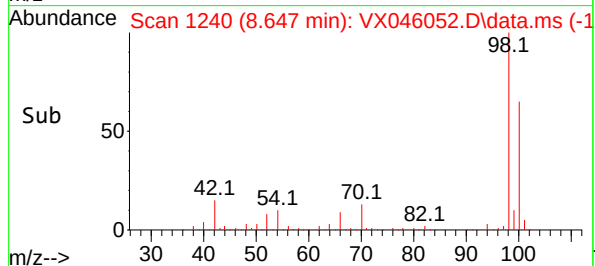
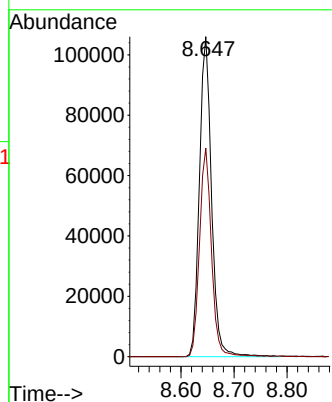
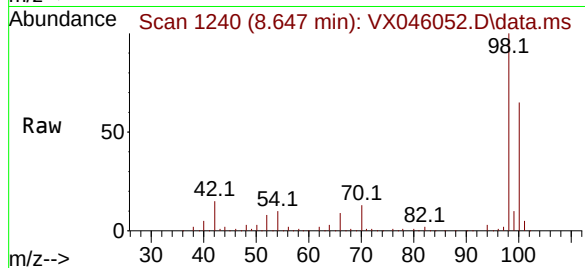
VX0506WBL01

Tgt Ion: 98 Resp: 168818

Ion Ratio Lower Upper

98 100

100 64.2 53.5 80.3



#62

4-Bromofluorobenzene

Concen: 49.679 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX046052.D

Acq: 06 May 2025 10:39

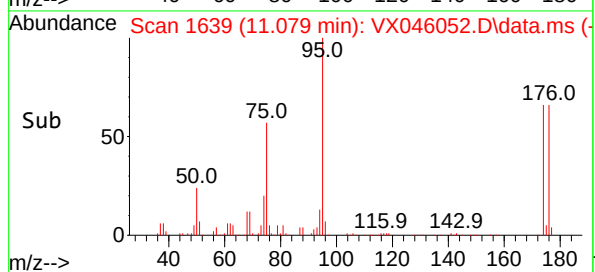
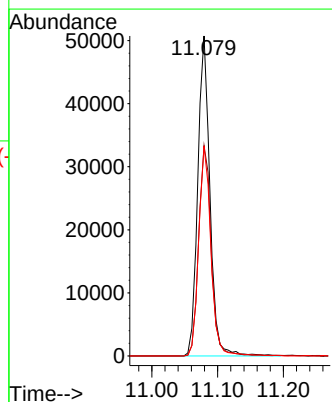
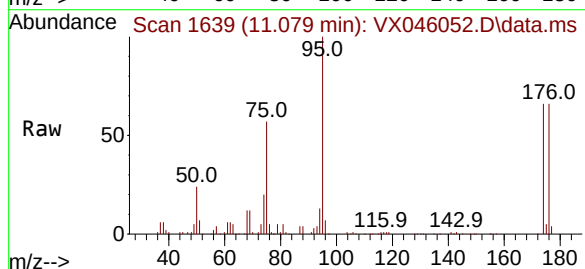
Tgt Ion: 95 Resp: 64799

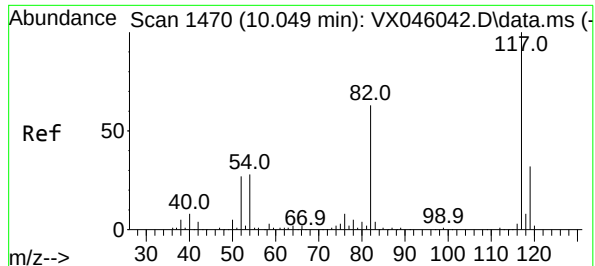
Ion Ratio Lower Upper

95 100

174 68.3 0.0 135.8

176 66.3 0.0 131.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.049 min Scan# 1470

Delta R.T. -0.000 min

Lab File: VX046052.D

Acq: 06 May 2025 10:39

Instrument :

MSVOA\_X

ClientSampleId :

VX0506WBL01

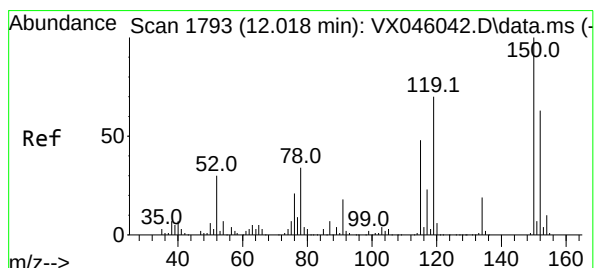
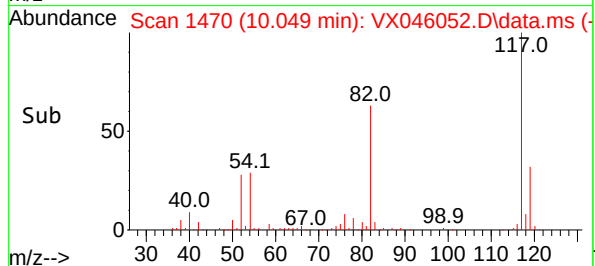
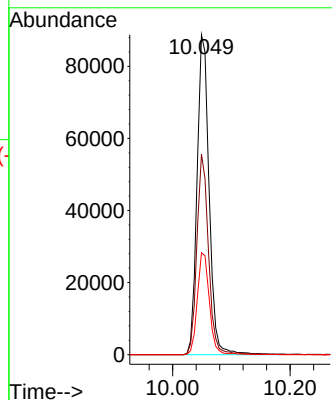
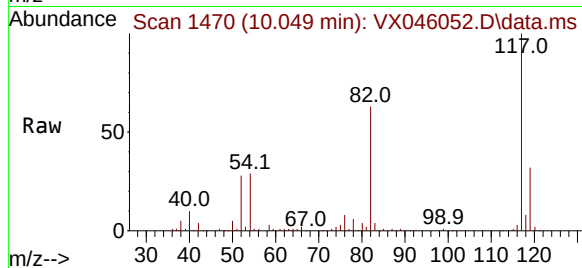
Tgt Ion:117 Resp: 126551

Ion Ratio Lower Upper

117 100

82 62.6 50.6 76.0

119 31.8 25.8 38.6



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1793

Delta R.T. -0.000 min

Lab File: VX046052.D

Acq: 06 May 2025 10:39

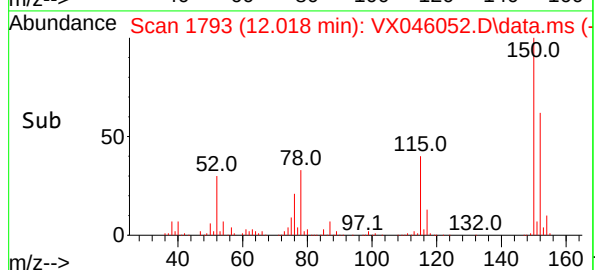
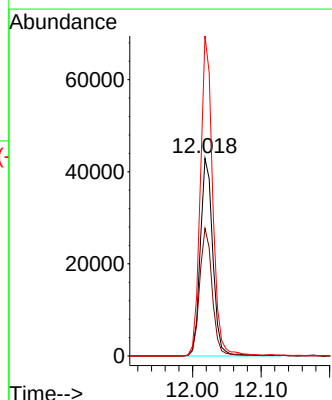
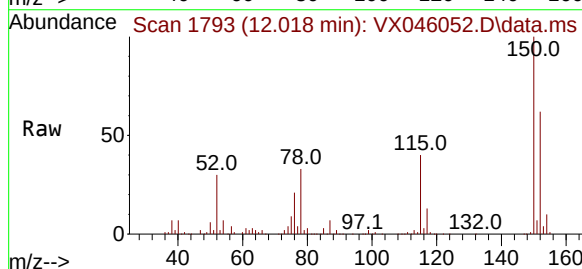
Tgt Ion:152 Resp: 54743

Ion Ratio Lower Upper

152 100

115 64.8 46.9 140.7

150 158.6 0.0 351.0





Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX050625\  
 Data File : VX046052.D  
 Acq On : 06 May 2025 10:39  
 Operator : JC/MD  
 Sample : VX0506WBL01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0506WBL01

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\_X\Method\82X050525W.M

Title : SW846 8260

Signal : TIC: VX046052.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         | 1.258       | 23            | 28          | 34           | rVB3     | 3615           | 6537          | 1.39%           | 0.259%        |
| 2         | 1.550       | 70            | 76          | 77           | rBV3     | 3398           | 4820          | 1.03%           | 0.191%        |
| 3         | 5.379       | 694           | 704         | 716          | rBV      | 56319          | 168290        | 35.79%          | 6.656%        |
| 4         | 5.544       | 721           | 731         | 748          | rVV      | 78506          | 227924        | 48.48%          | 9.015%        |
| 5         | 5.952       | 788           | 798         | 817          | rBV      | 66176          | 176964        | 37.64%          | 6.999%        |
| 6         | 6.757       | 921           | 930         | 951          | rBV      | 140655         | 345848        | 73.56%          | 13.679%       |
| 7         | 8.647       | 1234          | 1240        | 1250         | rBV      | 295223         | 470150        | 100.00%         | 18.596%       |
| 8         | 10.049      | 1465          | 1470        | 1485         | rBV      | 307446         | 429030        | 91.25%          | 16.969%       |
| 9         | 11.079      | 1634          | 1639        | 1660         | rBV      | 250058         | 323625        | 68.83%          | 12.800%       |
| 10        | 12.018      | 1788          | 1793        | 1807         | rBV      | 299178         | 375091        | 79.78%          | 14.836%       |

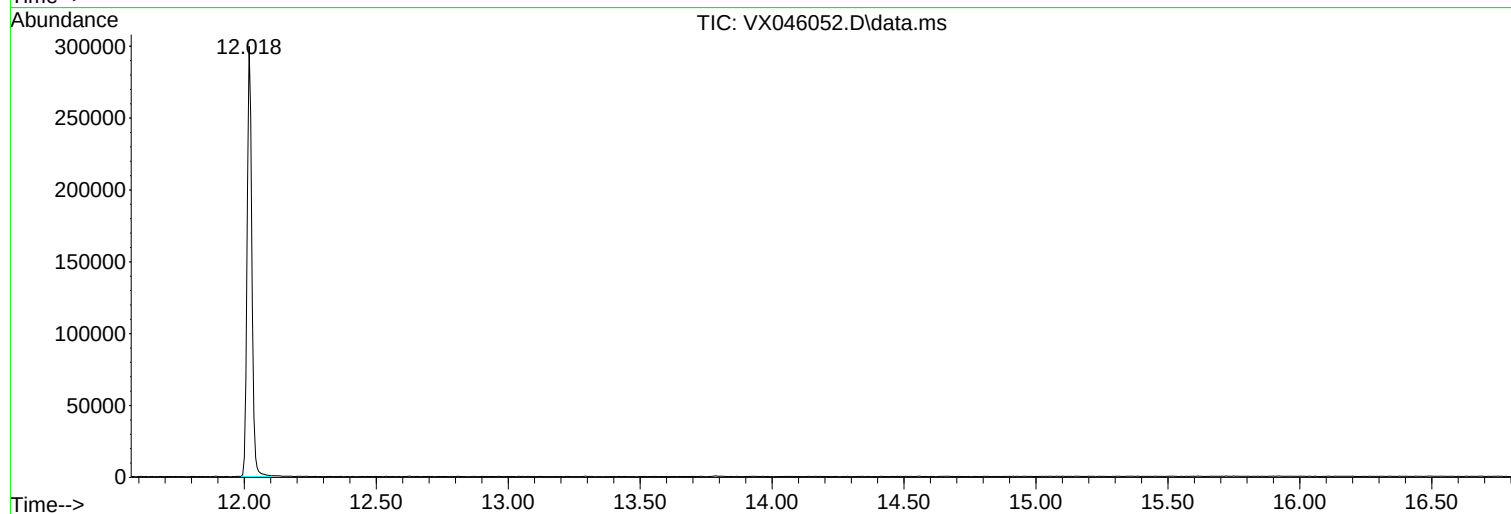
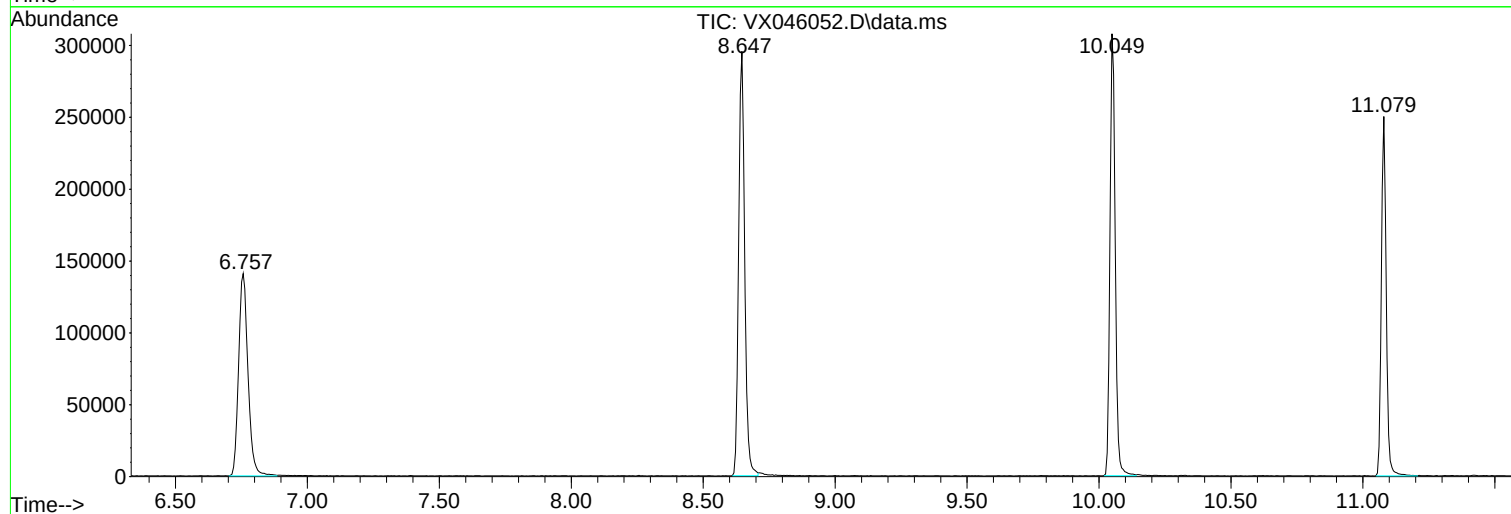
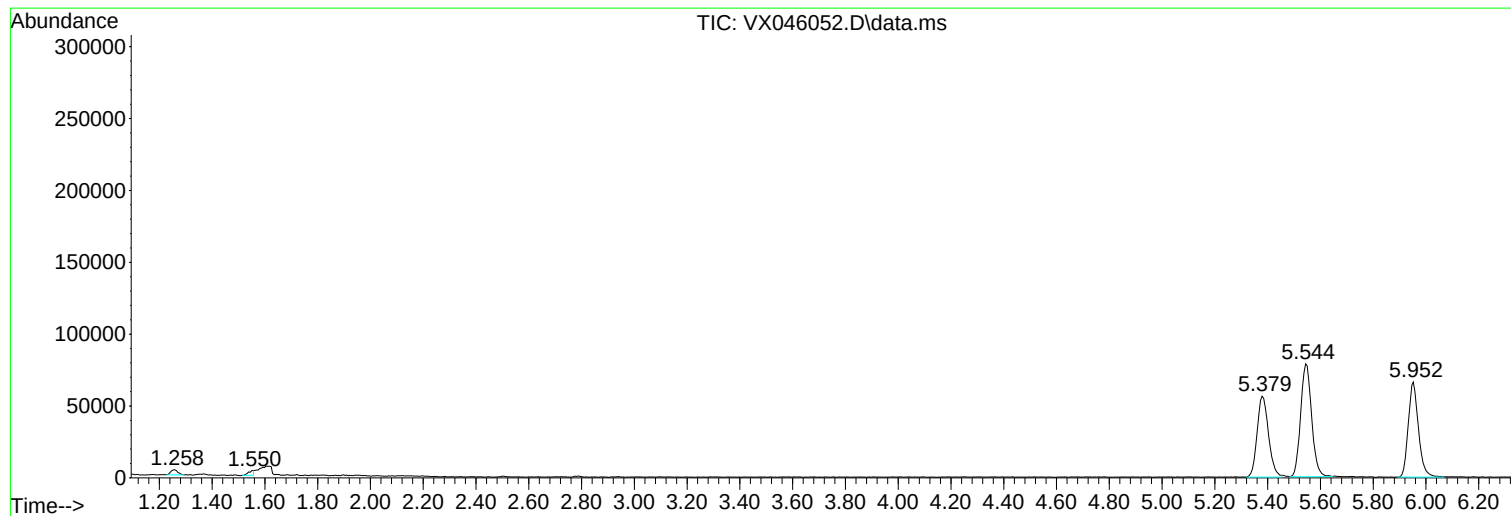
Sum of corrected areas: 2528279

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX050625\  
Data File : VX046052.D  
Acq On : 06 May 2025 10:39  
Operator : JC/MD  
Sample : VX0506WBL01  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0506WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X050525W.M  
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX050625\  
Data File : VX046052.D  
Acq On : 06 May 2025 10:39  
Operator : JC/MD  
Sample : VX0506WBL01  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0506WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X050525W.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\_X\Data\VX050625\  
Data File : VX046052.D  
Acq On : 06 May 2025 10:39  
Operator : JC/MD  
Sample : VX0506WBL01  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0506WBL01

A

B

C

D

E

F

G

H

I

J

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X050525W.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\_X\Data\VX050625\  
 Data File : VX046053.D  
 Acq On : 06 May 2025 11:02  
 Operator : JC/MD  
 Sample : VX0506WBS01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0506WBS01

### Manual Integrations APPROVED

Reviewed By : John Carlone 05/07/2025  
 Supervised By : Mahesh Dadoda 05/07/2025

Quant Time: May 07 01:44:52 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X050525W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue May 06 07:12:22 2025  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 5.544  | 168  | 94779    | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.757  | 114  | 165135   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.049 | 117  | 143077   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152  | 67454    | 50.000 | ug/l  | 0.00     |

#### System Monitoring Compounds

|                           |        |       |          |          |      |         |
|---------------------------|--------|-------|----------|----------|------|---------|
| 33) 1,2-Dichloroethane-d4 | 5.952  | 65    | 80151    | 45.360   | ug/l | 0.00    |
| Spiked Amount             | 50.000 | Range | 74 - 125 | Recovery | =    | 90.720% |
| 35) Dibromofluoromethane  | 5.379  | 113   | 53703    | 45.161   | ug/l | 0.00    |
| Spiked Amount             | 50.000 | Range | 75 - 124 | Recovery | =    | 90.320% |
| 50) Toluene-d8            | 8.647  | 98    | 187513   | 45.559   | ug/l | 0.00    |
| Spiked Amount             | 50.000 | Range | 86 - 113 | Recovery | =    | 91.120% |
| 62) 4-Bromofluorobenzene  | 11.079 | 95    | 70646    | 44.748   | ug/l | 0.00    |
| Spiked Amount             | 50.000 | Range | 77 - 121 | Recovery | =    | 89.500% |

#### Target Compounds

|                              |       |     |        |         |      | Qvalue |
|------------------------------|-------|-----|--------|---------|------|--------|
| 2) Dichlorodifluoromethane   | 1.166 | 85  | 29842  | 20.571  | ug/l | 98     |
| 3) Chloromethane             | 1.307 | 50  | 26802  | 19.052  | ug/l | 98     |
| 4) Vinyl Chloride            | 1.374 | 62  | 24374  | 18.616  | ug/l | 99     |
| 5) Bromomethane              | 1.599 | 94  | 12247  | 20.168  | ug/l | 96     |
| 6) Chloroethane              | 1.679 | 64  | 14554  | 20.823  | ug/l | 90     |
| 7) Trichlorofluoromethane    | 1.880 | 101 | 37359  | 19.307  | ug/l | 95     |
| 8) Diethyl Ether             | 2.130 | 74  | 12265  | 18.620  | ug/l | 98     |
| 9) 1,1,2-Trichlorotrifluo... | 2.325 | 101 | 22821  | 19.058  | ug/l | 99     |
| 10) Methyl Iodide            | 2.447 | 142 | 27504  | 19.411  | ug/l | 98     |
| 11) Tert butyl alcohol       | 2.965 | 59  | 24135  | 97.306  | ug/l | 99     |
| 12) 1,1-Dichloroethene       | 2.313 | 96  | 21026  | 18.709  | ug/l | 95     |
| 13) Acrolein                 | 2.233 | 56  | 26013  | 92.092  | ug/l | 98     |
| 14) Allyl chloride           | 2.660 | 41  | 41294  | 19.226  | ug/l | 99     |
| 15) Acrylonitrile            | 3.062 | 53  | 68918  | 97.173  | ug/l | 99     |
| 16) Acetone                  | 2.380 | 43  | 67239  | 94.906  | ug/l | 99     |
| 17) Carbon Disulfide         | 2.508 | 76  | 49862  | 18.714  | ug/l | 100    |
| 18) Methyl Acetate           | 2.703 | 43  | 31367  | 19.079  | ug/l | 98     |
| 19) Methyl tert-butyl Ether  | 3.111 | 73  | 74958  | 19.024  | ug/l | 99     |
| 20) Methylene Chloride       | 2.782 | 84  | 24570  | 18.097  | ug/l | 94     |
| 21) trans-1,2-Dichloroethene | 3.087 | 96  | 21368  | 18.906  | ug/l | 94     |
| 22) Diisopropyl ether        | 3.764 | 45  | 79380  | 19.133  | ug/l | 95     |
| 23) Vinyl Acetate            | 3.721 | 43  | 353300 | 96.818  | ug/l | 98     |
| 24) 1,1-Dichloroethane       | 3.605 | 63  | 45207  | 19.563  | ug/l | 98     |
| 25) 2-Butanone               | 4.556 | 43  | 100376 | 97.589  | ug/l | 97     |
| 26) 2,2-Dichloropropane      | 4.471 | 77  | 34362  | 18.998  | ug/l | 99     |
| 27) cis-1,2-Dichloroethene   | 4.483 | 96  | 25848  | 18.998  | ug/l | 99     |
| 28) Bromochloromethane       | 4.891 | 49  | 21769  | 19.571  | ug/l | 99     |
| 29) Tetrahydrofuran          | 5.007 | 42  | 64787  | 100.520 | ug/l | 98     |
| 30) Chloroform               | 5.086 | 83  | 47093  | 19.552  | ug/l | 94     |
| 31) Cyclohexane              | 5.464 | 56  | 39814  | 18.907  | ug/l | 95     |
| 32) 1,1,1-Trichloroethane    | 5.379 | 97  | 40799  | 19.540  | ug/l | 99     |
| 36) 1,1-Dichloropropene      | 5.690 | 75  | 29576  | 18.511  | ug/l | 97     |
| 37) Ethyl Acetate            | 4.715 | 43  | 37538  | 19.016  | ug/l | 99     |
| 38) Carbon Tetrachloride     | 5.672 | 117 | 34377  | 19.149  | ug/l | 97     |
| 39) Methylcyclohexane        | 7.373 | 83  | 37771  | 18.363  | ug/l | 97     |
| 40) Benzene                  | 6.031 | 78  | 91272  | 19.503  | ug/l | 98     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX050625\  
 Data File : VX046053.D  
 Acq On : 06 May 2025 11:02  
 Operator : JC/MD  
 Sample : VX0506WBS01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0506WBS01

### Manual Integrations APPROVED

Reviewed By : John Carlone 05/07/2025  
 Supervised By : Mahesh Dadoda 05/07/2025

Quant Time: May 07 01:44:52 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X050525W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue May 06 07:12:22 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 4.922  | 41   | 21027    | 20.363  | ug/l   | 98       |
| 42) 1,2-Dichloroethane        | 6.086  | 62   | 39648    | 19.630  | ug/l   | 99       |
| 43) Isopropyl Acetate         | 6.342  | 43   | 57540    | 19.107  | ug/l   | 100      |
| 44) Trichloroethene           | 7.123  | 130  | 21316    | 18.924  | ug/l   | 93       |
| 45) 1,2-Dichloropropane       | 7.428  | 63   | 23126    | 19.873  | ug/l   | 97       |
| 46) Dibromomethane            | 7.580  | 93   | 17557    | 19.129  | ug/l   | 99       |
| 47) Bromodichloromethane      | 7.818  | 83   | 35558    | 19.670  | ug/l   | 99       |
| 48) Methyl methacrylate       | 7.696  | 41   | 29597    | 19.244  | ug/l   | 98       |
| 49) 1,4-Dioxane               | 7.659  | 88   | 12031    | 411.992 | ug/l   | 99       |
| 51) 4-Methyl-2-Pentanone      | 8.574  | 43   | 198101   | 99.102  | ug/l   | 98       |
| 52) Toluene                   | 8.714  | 92   | 56082    | 19.543  | ug/l   | 100      |
| 53) t-1,3-Dichloropropene     | 8.976  | 75   | 30141    | 18.759  | ug/l   | 95       |
| 54) cis-1,3-Dichloropropene   | 8.366  | 75   | 34323    | 19.327  | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane     | 9.147  | 97   | 21969    | 19.416  | ug/l   | 96       |
| 56) Ethyl methacrylate        | 9.116  | 69   | 35057    | 19.439  | ug/l   | 99       |
| 57) 1,3-Dichloropropane       | 9.305  | 76   | 40197    | 19.781  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 8.238  | 63   | 77900    | 84.730  | ug/l   | 99       |
| 59) 2-Hexanone                | 9.427  | 43   | 149133   | 100.840 | ug/l   | 99       |
| 60) Dibromochloromethane      | 9.519  | 129  | 24935    | 20.066  | ug/l   | 96       |
| 61) 1,2-Dibromoethane         | 9.610  | 107  | 22658    | 19.266  | ug/l   | 96       |
| 64) Tetrachloroethene         | 9.269  | 164  | 18682    | 18.454  | ug/l   | 96       |
| 65) Chlorobenzene             | 10.079 | 112  | 59206    | 18.906  | ug/l   | 97       |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131  | 20627    | 19.289  | ug/l   | 99       |
| 67) Ethyl Benzene             | 10.189 | 91   | 107199   | 19.419  | ug/l   | 99       |
| 68) m/p-Xylenes               | 10.299 | 106  | 79877    | 39.563  | ug/l   | 100      |
| 69) o-Xylene                  | 10.640 | 106  | 39534    | 20.085  | ug/l   | 100      |
| 70) Styrene                   | 10.653 | 104  | 63683    | 19.751  | ug/l   | 98       |
| 71) Bromoform                 | 10.799 | 173  | 14863    | 18.513  | ug/l # | 95       |
| 73) Isopropylbenzene          | 10.957 | 105  | 102824   | 19.580  | ug/l   | 100      |
| 74) N-amyl acetate            | 10.842 | 43   | 50404    | 19.424  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane | 11.207 | 83   | 35972    | 19.547  | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane    | 11.238 | 75   | 30359m   | 18.698  | ug/l   |          |
| 77) Bromobenzene              | 11.195 | 156  | 23562    | 19.326  | ug/l   | 98       |
| 78) n-propylbenzene           | 11.299 | 91   | 117723   | 19.279  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 11.360 | 91   | 75252    | 19.107  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 88765    | 20.232  | ug/l   | 98       |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75   | 7991     | 16.023  | ug/l   | 89       |
| 82) 4-Chlorotoluene           | 11.451 | 91   | 84322    | 19.306  | ug/l   | 99       |
| 83) tert-Butylbenzene         | 11.713 | 119  | 85760    | 19.406  | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 87102    | 19.605  | ug/l   | 100      |
| 85) sec-Butylbenzene          | 11.890 | 105  | 106185   | 19.570  | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 12.006 | 119  | 86589    | 19.333  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 11.969 | 146  | 42117    | 18.928  | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene       | 12.036 | 146  | 42936    | 18.895  | ug/l   | 98       |
| 89) n-Butylbenzene            | 12.329 | 91   | 73079    | 18.601  | ug/l   | 99       |
| 90) Hexachloroethane          | 12.536 | 117  | 14865    | 18.839  | ug/l   | 99       |
| 91) 1,2-Dichlorobenzene       | 12.335 | 146  | 43138    | 19.320  | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.939 | 75   | 7940     | 19.476  | ug/l   | 99       |
| 93) 1,2,4-Trichlorobenzene    | 13.585 | 180  | 23280    | 18.153  | ug/l   | 98       |
| 94) Hexachlorobutadiene       | 13.725 | 225  | 10620    | 18.961  | ug/l   | 97       |
| 95) Naphthalene               | 13.774 | 128  | 85651    | 18.210  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 13.957 | 180  | 24052    | 18.176  | ug/l   | 97       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX050625\  
Data File : VX046053.D  
Acq On : 06 May 2025 11:02  
Operator : JC/MD  
Sample : VX0506WBS01  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0506WBS01

Manual Integrations  
**APPROVED**

Reviewed By :John Carlone 05/07/2025  
Supervised By :Mahesh Dadoda 05/07/2025

Quant Time: May 07 01:44:52 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X050525W.M  
Quant Title : SW846 8260  
QLast Update : Tue May 06 07:12:22 2025  
Response via : Initial Calibration

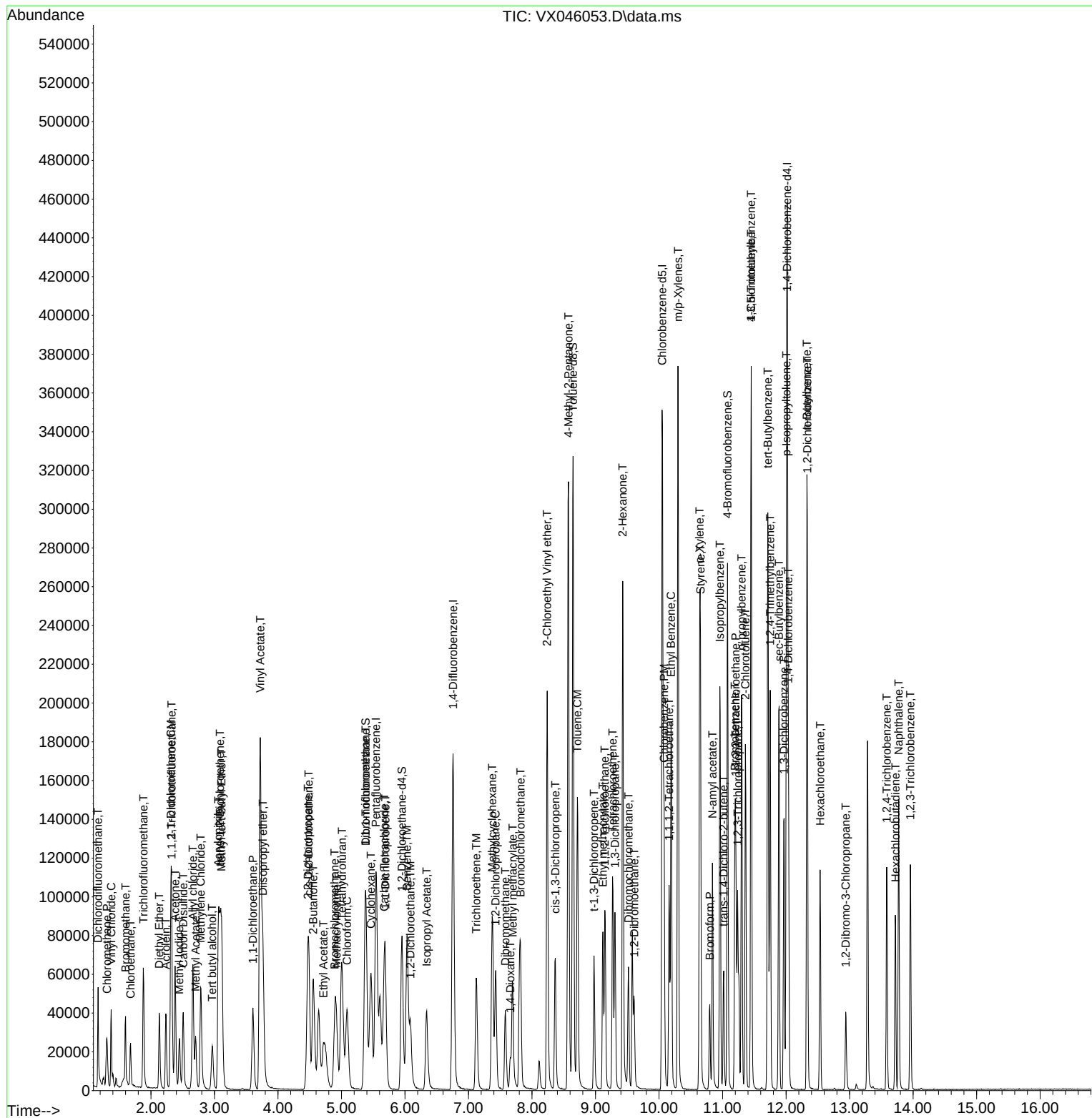
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

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

**Instrument :**  
MSVOA\_X  
**ClientSampleId :**  
VX0506WBS01

## Manual Integrations

Reviewed By :John Carlone 05/07/2025  
Supervised By :Mahesh Dadoda 05/07/2025





Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX050625\  
 Data File : VX046054.D  
 Acq On : 06 May 2025 11:29  
 Operator : JC/MD  
 Sample : VX0506WBSD01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0506WBSD01

### Manual Integrations APPROVED

Reviewed By : John Carlone 05/07/2025  
 Supervised By : Mahesh Dadoda 05/07/2025

Quant Time: May 07 01:45:11 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X050525W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue May 06 07:12:22 2025  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response   | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|------------|---------|--------|----------|
| -----                        |                |      |            |         |        |          |
| Internal Standards           |                |      |            |         |        |          |
| 1) Pentafluorobenzene        | 5.544          | 168  | 95217      | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.757          | 114  | 162321     | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 10.049         | 117  | 142687     | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.018         | 152  | 67703      | 50.000  | ug/l   | 0.00     |
| System Monitoring Compounds  |                |      |            |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 5.952          | 65   | 81941      | 46.160  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 74 - 125 |      | Recovery = | 92.320% |        |          |
| 35) Dibromofluoromethane     | 5.379          | 113  | 55341      | 47.345  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = | 94.700% |        |          |
| 50) Toluene-d8               | 8.647          | 98   | 188671     | 46.635  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 86 - 113 |      | Recovery = | 93.280% |        |          |
| 62) 4-Bromofluorobenzene     | 11.079         | 95   | 71223      | 45.895  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 77 - 121 |      | Recovery = | 91.800% |        |          |
| Target Compounds             |                |      |            |         |        |          |
|                              |                |      |            |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.166          | 85   | 28815      | 19.772  | ug/l   | 99       |
| 3) Chloromethane             | 1.307          | 50   | 26333      | 18.633  | ug/l   | 95       |
| 4) Vinyl Chloride            | 1.374          | 62   | 23158      | 17.606  | ug/l   | 97       |
| 5) Bromomethane              | 1.593          | 94   | 11526      | 18.893  | ug/l   | 97       |
| 6) Chloroethane              | 1.672          | 64   | 13477      | 19.193  | ug/l   | 93       |
| 7) Trichlorofluoromethane    | 1.880          | 101  | 37571      | 19.327  | ug/l   | 97       |
| 8) Diethyl Ether             | 2.130          | 74   | 12373      | 18.697  | ug/l   | 100      |
| 9) 1,1,2-Trichlorotrifluo... | 2.319          | 101  | 22515      | 18.716  | ug/l   | 99       |
| 10) Methyl Iodide            | 2.447          | 142  | 27209      | 19.115  | ug/l   | 99       |
| 11) Tert butyl alcohol       | 2.965          | 59   | 24597      | 98.713  | ug/l   | 99       |
| 12) 1,1-Dichloroethene       | 2.313          | 96   | 20675      | 18.312  | ug/l   | 98       |
| 13) Acrolein                 | 2.233          | 56   | 31582      | 111.293 | ug/l   | 97       |
| 14) Allyl chloride           | 2.660          | 41   | 39928      | 18.504  | ug/l   | 99       |
| 15) Acrylonitrile            | 3.062          | 53   | 71232      | 99.974  | ug/l   | 98       |
| 16) Acetone                  | 2.380          | 43   | 67868      | 95.353  | ug/l   | 98       |
| 17) Carbon Disulfide         | 2.508          | 76   | 48023      | 17.941  | ug/l   | 98       |
| 18) Methyl Acetate           | 2.703          | 43   | 33221      | 20.114  | ug/l   | 99       |
| 19) Methyl tert-butyl Ether  | 3.111          | 73   | 76135      | 19.234  | ug/l   | 99       |
| 20) Methylene Chloride       | 2.782          | 84   | 25043      | 18.361  | ug/l   | 94       |
| 21) trans-1,2-Dichloroethene | 3.087          | 96   | 21153      | 18.630  | ug/l   | 93       |
| 22) Diisopropyl ether        | 3.757          | 45   | 80331      | 19.273  | ug/l   | 95       |
| 23) Vinyl Acetate            | 3.715          | 43   | 365269     | 99.638  | ug/l   | 99       |
| 24) 1,1-Dichloroethane       | 3.605          | 63   | 44544      | 19.187  | ug/l   | 98       |
| 25) 2-Butanone               | 4.550          | 43   | 103197     | 99.870  | ug/l   | 98       |
| 26) 2,2-Dichloropropane      | 4.465          | 77   | 32599      | 17.940  | ug/l   | 99       |
| 27) cis-1,2-Dichloroethene   | 4.489          | 96   | 25987      | 19.012  | ug/l   | 99       |
| 28) Bromochloromethane       | 4.891          | 49   | 22078      | 19.757  | ug/l   | 99       |
| 29) Tetrahydrofuran          | 5.001          | 42   | 64613      | 99.789  | ug/l   | 99       |
| 30) Chloroform               | 5.086          | 83   | 46165      | 19.078  | ug/l   | 93       |
| 31) Cyclohexane              | 5.464          | 56   | 39105      | 18.485  | ug/l   | 96       |
| 32) 1,1,1-Trichloroethane    | 5.373          | 97   | 39607      | 18.882  | ug/l   | 99       |
| 36) 1,1-Dichloropropene      | 5.684          | 75   | 29805      | 18.978  | ug/l   | 99       |
| 37) Ethyl Acetate            | 4.715          | 43   | 38343      | 19.761  | ug/l   | 99       |
| 38) Carbon Tetrachloride     | 5.666          | 117  | 33719      | 19.109  | ug/l   | 98       |
| 39) Methylcyclohexane        | 7.373          | 83   | 37713      | 18.652  | ug/l   | 98       |
| 40) Benzene                  | 6.031          | 78   | 89819      | 19.525  | ug/l   | 99       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX050625\  
 Data File : VX046054.D  
 Acq On : 06 May 2025 11:29  
 Operator : JC/MD  
 Sample : VX0506WBSD01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0506WBSD01

### Manual Integrations APPROVED

Reviewed By : John Carlone 05/07/2025  
 Supervised By : Mahesh Dadoda 05/07/2025

Quant Time: May 07 01:45:11 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X050525W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue May 06 07:12:22 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 4.916  | 41   | 22511    | 22.178  | ug/l   | 97       |
| 42) 1,2-Dichloroethane        | 6.080  | 62   | 40112    | 20.204  | ug/l   | 100      |
| 43) Isopropyl Acetate         | 6.336  | 43   | 60920    | 20.580  | ug/l   | 99       |
| 44) Trichloroethene           | 7.123  | 130  | 21097    | 19.055  | ug/l   | 91       |
| 45) 1,2-Dichloropropane       | 7.427  | 63   | 21717    | 18.986  | ug/l   | 99       |
| 46) Dibromomethane            | 7.580  | 93   | 18104    | 20.067  | ug/l   | 98       |
| 47) Bromodichloromethane      | 7.818  | 83   | 35459    | 19.956  | ug/l   | 97       |
| 48) Methyl methacrylate       | 7.690  | 41   | 31471    | 20.817  | ug/l   | 99       |
| 49) 1,4-Dioxane               | 7.659  | 88   | 12631    | 440.037 | ug/l   | 99       |
| 51) 4-Methyl-2-Pentanone      | 8.568  | 43   | 205502   | 104.586 | ug/l   | 98       |
| 52) Toluene                   | 8.714  | 92   | 55937    | 19.831  | ug/l   | 100      |
| 53) t-1,3-Dichloropropene     | 8.976  | 75   | 31443    | 19.908  | ug/l   | 97       |
| 54) cis-1,3-Dichloropropene   | 8.366  | 75   | 34562    | 19.799  | ug/l   | 95       |
| 55) 1,1,2-Trichloroethane     | 9.147  | 97   | 22999    | 20.678  | ug/l   | 97       |
| 56) Ethyl methacrylate        | 9.116  | 69   | 35980    | 20.297  | ug/l   | 99       |
| 57) 1,3-Dichloropropane       | 9.305  | 76   | 39873    | 19.962  | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether | 8.238  | 63   | 102755   | 113.701 | ug/l   | 100      |
| 59) 2-Hexanone                | 9.427  | 43   | 154737   | 106.443 | ug/l   | 98       |
| 60) Dibromochloromethane      | 9.519  | 129  | 24301    | 19.895  | ug/l   | 98       |
| 61) 1,2-Dibromoethane         | 9.610  | 107  | 23894    | 20.669  | ug/l   | 100      |
| 64) Tetrachloroethene         | 9.269  | 164  | 18597    | 18.421  | ug/l   | 95       |
| 65) Chlorobenzene             | 10.073 | 112  | 59206    | 18.958  | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131  | 20507    | 19.230  | ug/l   | 99       |
| 67) Ethyl Benzene             | 10.189 | 91   | 105901   | 19.237  | ug/l   | 99       |
| 68) m/p-Xylenes               | 10.299 | 106  | 78722    | 39.098  | ug/l   | 99       |
| 69) o-Xylene                  | 10.640 | 106  | 38492    | 19.609  | ug/l   | 96       |
| 70) Styrene                   | 10.653 | 104  | 64448    | 20.043  | ug/l   | 100      |
| 71) Bromoform                 | 10.799 | 173  | 15529    | 19.395  | ug/l # | 98       |
| 73) Isopropylbenzene          | 10.957 | 105  | 103246   | 19.588  | ug/l   | 99       |
| 74) N-amyl acetate            | 10.842 | 43   | 51152    | 19.639  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane | 11.207 | 83   | 36831    | 19.940  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 11.238 | 75   | 31853m   | 19.546  | ug/l   |          |
| 77) Bromobenzene              | 11.195 | 156  | 23199    | 18.958  | ug/l   | 99       |
| 78) n-propylbenzene           | 11.299 | 91   | 118537   | 19.341  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 11.360 | 91   | 75397    | 19.073  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 86752    | 19.701  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75   | 8682     | 17.345  | ug/l   | 90       |
| 82) 4-Chlorotoluene           | 11.451 | 91   | 84871    | 19.360  | ug/l   | 99       |
| 83) tert-Butylbenzene         | 11.713 | 119  | 86117    | 19.415  | ug/l   | 100      |
| 84) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 86058    | 19.299  | ug/l   | 98       |
| 85) sec-Butylbenzene          | 11.890 | 105  | 105506   | 19.373  | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 12.006 | 119  | 87277    | 19.415  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 11.969 | 146  | 42566    | 19.060  | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene       | 12.036 | 146  | 43489    | 19.068  | ug/l   | 99       |
| 89) n-Butylbenzene            | 12.329 | 91   | 75753    | 19.211  | ug/l   | 98       |
| 90) Hexachloroethane          | 12.536 | 117  | 14586    | 18.417  | ug/l   | 100      |
| 91) 1,2-Dichlorobenzene       | 12.335 | 146  | 44477    | 19.846  | ug/l   | 100      |
| 92) 1,2-Dibromo-3-Chloropr... | 12.945 | 75   | 8331     | 20.360  | ug/l   | 98       |
| 93) 1,2,4-Trichlorobenzene    | 13.585 | 180  | 24099    | 18.722  | ug/l   | 98       |
| 94) Hexachlorobutadiene       | 13.725 | 225  | 10992    | 19.553  | ug/l   | 97       |
| 95) Naphthalene               | 13.774 | 128  | 89284    | 18.912  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 13.957 | 180  | 24772    | 18.651  | ug/l   | 99       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX050625\  
Data File : VX046054.D  
Acq On : 06 May 2025 11:29  
Operator : JC/MD  
Sample : VX0506WBSD01  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0506WBSD01

Manual Integrations  
**APPROVED**

Reviewed By :John Carlone 05/07/2025  
Supervised By :Mahesh Dadoda 05/07/2025

Quant Time: May 07 01:45:11 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X050525W.M  
Quant Title : SW846 8260  
QLast Update : Tue May 06 07:12:22 2025  
Response via : Initial Calibration

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

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

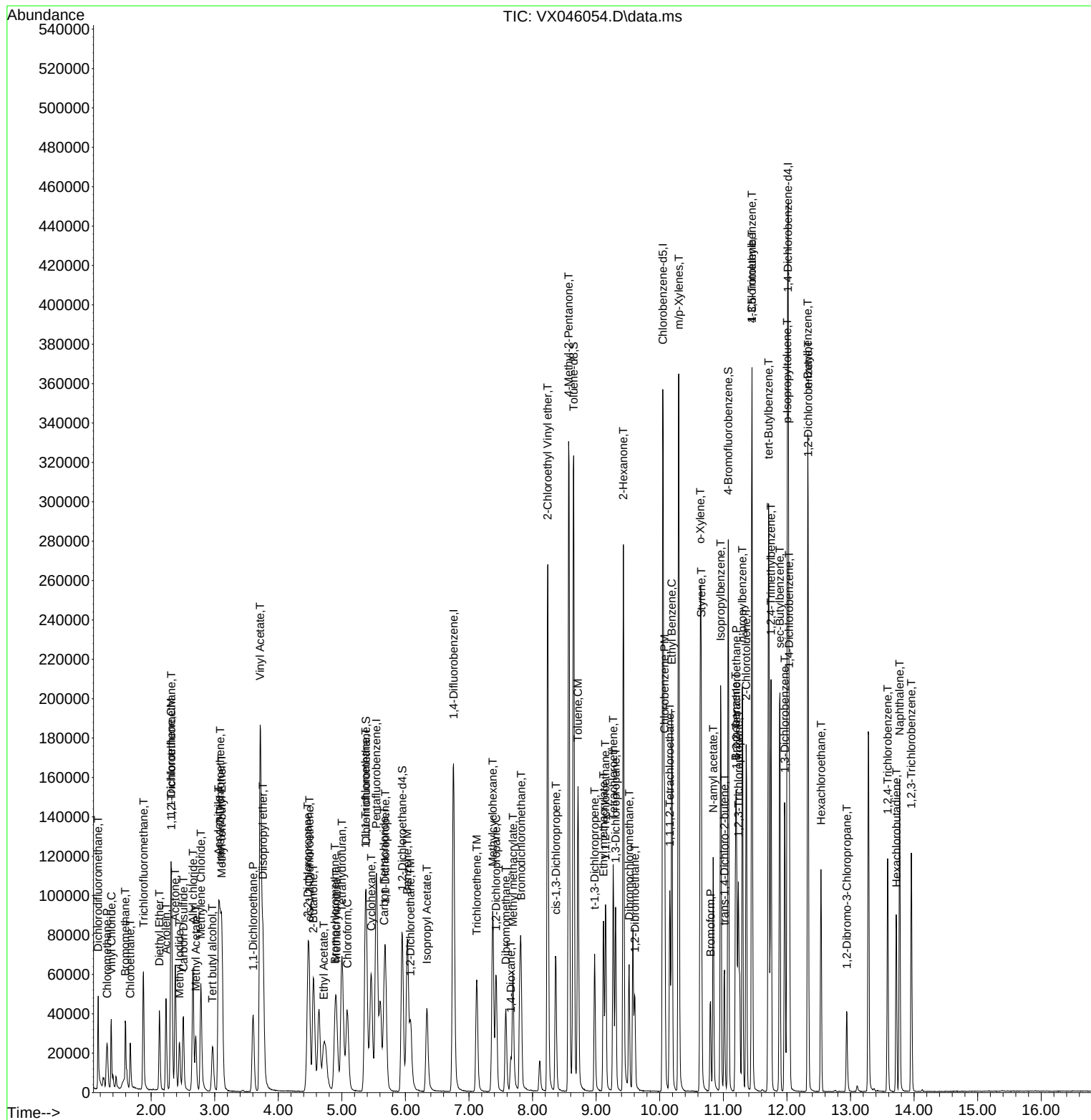
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX050625\  
Data File : VX046054.D  
Acq On : 06 May 2025 11:29  
Operator : JC/MD  
Sample : VX0506WBSD01  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**  
MSVOA\_X  
**ClientSampleId :**  
VX0506WBSD01

## Manual Integrations

Reviewed By :John Carlone 05/07/2025  
Supervised By :Mahesh Dadoda 05/07/2025

Quant Time: May 07 01:45:11 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X050525W.M  
Quant Title : SW846 8260  
QLast Update : Tue May 06 07:12:22 2025  
Response via : Initial Calibration



## Manual Integration Report

|           |          |            |         |
|-----------|----------|------------|---------|
| Sequence: | VX050525 | Instrument | MSVOA_x |
|-----------|----------|------------|---------|

| Sample ID   | File ID    | Parameter              | Review By | Review On           | Supervised By | Supervised On        | Reason                      |
|-------------|------------|------------------------|-----------|---------------------|---------------|----------------------|-----------------------------|
| VSTDICC020  | VX046041.D | 1,2,3-Trichloropropane | JOHN      | 5/6/2025 9:53:13 AM | MMDadoda      | 5/6/2025 12:42:46 PM | Peak Integrated by Software |
| VSTDICCC050 | VX046042.D | 1,2,3-Trichloropropane | JOHN      | 5/6/2025 9:53:18 AM | MMDadoda      | 5/6/2025 12:42:48 PM | Peak Integrated by Software |
| VSTDICC100  | VX046043.D | 1,2,3-Trichloropropane | JOHN      | 5/6/2025 9:53:22 AM | MMDadoda      | 5/6/2025 12:42:50 PM | Peak Integrated by Software |
| VSTDICC150  | VX046044.D | 1,2,3-Trichloropropane | JOHN      | 5/6/2025 9:53:27 AM | MMDadoda      | 5/6/2025 12:42:53 PM | Peak Integrated by Software |
| VSTDICC005  | VX046046.D | 1,2,3-Trichloropropane | JOHN      | 5/6/2025 9:53:32 AM | MMDadoda      | 5/6/2025 12:42:56 PM | Peak Integrated by Software |
| VSTDICC005  | VX046046.D | Ethyl Acetate          | JOHN      | 5/6/2025 9:53:32 AM | MMDadoda      | 5/6/2025 12:42:56 PM | Peak Integrated by Software |
| VSTDICC001  | VX046047.D | 1,2,3-Trichloropropane | JOHN      | 5/6/2025 9:53:38 AM | MMDadoda      | 5/6/2025 12:41:35 PM | Peak Integrated by Software |
| VSTDICC001  | VX046047.D | 1,4-Dichlorobenzene    | JOHN      | 5/6/2025 9:53:38 AM | MMDadoda      | 5/6/2025 12:41:35 PM | Peak Integrated by Software |
| VSTDICC001  | VX046047.D | Bromochloromethane     | JOHN      | 5/6/2025 9:53:38 AM | MMDadoda      | 5/6/2025 12:41:35 PM | Peak Integrated by Software |
| VSTDICC001  | VX046047.D | Ethyl Acetate          | JOHN      | 5/6/2025 9:53:38 AM | MMDadoda      | 5/6/2025 12:41:35 PM | Peak Integrated by Software |
| VSTDICC001  | VX046047.D | Methyl methacrylate    | JOHN      | 5/6/2025 9:53:38 AM | MMDadoda      | 5/6/2025 12:41:35 PM | Peak Integrated by Software |
| VSTDICV050  | VX046048.D | 1,2,3-Trichloropropane | JOHN      | 5/6/2025 9:53:45 AM | MMDadoda      | 5/6/2025 12:41:37 PM | Peak Integrated by Software |



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

## Manual Integration Report

Sequence:

VX050525

Instrument

MSVOA\_x

Sample ID

File ID

Parameter

Review By

Review On

Supervised  
By

Supervised On

Reason

## Manual Integration Report

Sequence:

VX050625

Instrument

MSVOA\_x

| Sample ID        | File ID    | Parameter              | Review By | Review On           | Supervised By | Supervised On       | Reason                      |
|------------------|------------|------------------------|-----------|---------------------|---------------|---------------------|-----------------------------|
| VSTDCCC050       | VX046050.D | 1,2,3-Trichloropropane | JOHN      | 5/7/2025 9:45:18 AM | MMDadoda      | 5/7/2025 1:28:37 PM | Peak Integrated by Software |
| VX0506WBS01      | VX046053.D | 1,2,3-Trichloropropane | JOHN      | 5/7/2025 9:45:22 AM | MMDadoda      | 5/7/2025 1:28:34 PM | Peak Integrated by Software |
| VX0506WBSD0<br>1 | VX046054.D | 1,2,3-Trichloropropane | JOHN      | 5/7/2025 9:45:27 AM | MMDadoda      | 5/7/2025 1:28:31 PM | Peak Integrated by Software |
| VSTDCCC050       | VX046066.D | 1,2,3-Trichloropropane | JOHN      | 5/7/2025 9:45:43 AM | MMDadoda      | 5/7/2025 1:28:18 PM | Peak Integrated by Software |

Instrument ID: **MSVOA\_X**

**Daily Analysis Runlog For Sequence/QC Batch ID # VX050525**

|                          |                                                       |                   |                                   |
|--------------------------|-------------------------------------------------------|-------------------|-----------------------------------|
| Review By                | John Carlone                                          | Review On         | 5/6/2025 9:53:58 AM               |
| Supervise By             | Maresh Dadoda                                         | Supervise On      | 5/6/2025 12:43:00 PM              |
| SubDirectory             | VX050525                                              | HP Acquire Method | HP Processing Method 82X050525W.M |
| <b>STD. NAME</b>         | <b>STD REF.#</b>                                      |                   |                                   |
| Tune/Reschk              | VP133811                                              |                   |                                   |
| Initial Calibration Stds | VP133832,VP133833,VP133834,VP133835,VP133836,VP133837 |                   |                                   |
| CCC                      |                                                       |                   |                                   |
| Internal Standard/PEM    |                                                       |                   |                                   |
| ICV/I.BLK                | VP133838                                              |                   |                                   |
| Surrogate Standard       |                                                       |                   |                                   |
| MS/MSD Standard          |                                                       |                   |                                   |
| LCS Standard             |                                                       |                   |                                   |

| Sr# | SampleId   | Data File Name | Date-Time         | Operator | Status |
|-----|------------|----------------|-------------------|----------|--------|
| 1   | BFB        | VX046038.D     | 05 May 2025 09:37 | JC/MD    | Ok     |
| 2   | VSTDIC001  | VX046039.D     | 05 May 2025 10:49 | JC/MD    | Not Ok |
| 3   | VSTDIC005  | VX046040.D     | 05 May 2025 11:12 | JC/MD    | Not Ok |
| 4   | VSTDIC020  | VX046041.D     | 05 May 2025 11:35 | JC/MD    | Ok,M   |
| 5   | VSTDIC050  | VX046042.D     | 05 May 2025 11:58 | JC/MD    | Ok,M   |
| 6   | VSTDIC100  | VX046043.D     | 05 May 2025 12:21 | JC/MD    | Ok,M   |
| 7   | VSTDIC150  | VX046044.D     | 05 May 2025 12:45 | JC/MD    | Ok,M   |
| 8   | IBLK       | VX046045.D     | 05 May 2025 13:08 | JC/MD    | Ok     |
| 9   | VSTDIC005  | VX046046.D     | 05 May 2025 16:04 | JC/MD    | Ok,M   |
| 10  | VSTDIC001  | VX046047.D     | 05 May 2025 16:27 | JC/MD    | Ok,M   |
| 11  | VSTDICV050 | VX046048.D     | 05 May 2025 16:50 | JC/MD    | Ok,M   |

M : Manual Integration



Instrument ID: **MSVOA\_X**

**Daily Analysis Runlog For Sequence/QC Batch ID # VX050625**

|                                                                                                    |                   |                   |                                   |
|----------------------------------------------------------------------------------------------------|-------------------|-------------------|-----------------------------------|
| Review By                                                                                          | John Carlone      | Review On         | 5/7/2025 9:47:51 AM               |
| Supervise By                                                                                       | Maresh Dadoda     | Supervise On      | 5/7/2025 1:28:40 PM               |
| SubDirectory                                                                                       | VX050625          | HP Acquire Method | HP Processing Method 82X050525W.M |
| <b>STD. NAME</b>                                                                                   | <b>STD REF.#</b>  |                   |                                   |
| Tune/Reschk<br>Initial Calibration Stds                                                            | VP133829          |                   |                                   |
| CCC<br>Internal Standard/PEM<br>ICV/I.BLK<br>Surrogate Standard<br>MS/MSD Standard<br>LCS Standard | VP133830,VP133831 |                   |                                   |

| Sr# | SampleId       | Data File Name | Date-Time         | Operator | Status |
|-----|----------------|----------------|-------------------|----------|--------|
| 1   | BFB            | VX046049.D     | 06 May 2025 09:07 | JC/MD    | Ok     |
| 2   | VSTDCCC050     | VX046050.D     | 06 May 2025 09:48 | JC/MD    | Ok,M   |
| 3   | VX0506MBL01    | VX046051.D     | 06 May 2025 10:15 | JC/MD    | Ok     |
| 4   | VX0506WBL01    | VX046052.D     | 06 May 2025 10:39 | JC/MD    | Ok     |
| 5   | VX0506WBS01    | VX046053.D     | 06 May 2025 11:02 | JC/MD    | Ok,M   |
| 6   | VX0506WBSD01   | VX046054.D     | 06 May 2025 11:29 | JC/MD    | Ok,M   |
| 7   | Q1945-01       | VX046055.D     | 06 May 2025 11:52 | JC/MD    | Ok     |
| 8   | Q1945-02       | VX046056.D     | 06 May 2025 12:15 | JC/MD    | Ok     |
| 9   | IBLK           | VX046057.D     | 06 May 2025 12:39 | JC/MD    | Ok     |
| 10  | IBLK           | VX046058.D     | 06 May 2025 13:02 | JC/MD    | Ok     |
| 11  | PB167852TB     | VX046059.D     | 06 May 2025 13:25 | JC/MD    | Ok     |
| 12  | PB167852ZHE#01 | VX046060.D     | 06 May 2025 13:48 | JC/MD    | Ok     |
| 13  | PB167852ZHE#02 | VX046061.D     | 06 May 2025 14:12 | JC/MD    | Ok     |
| 14  | PB167852ZHE#03 | VX046062.D     | 06 May 2025 14:35 | JC/MD    | Ok     |
| 15  | PB167852ZHE#04 | VX046063.D     | 06 May 2025 14:58 | JC/MD    | Ok     |
| 16  | PB167852ZHE#05 | VX046064.D     | 06 May 2025 15:22 | JC/MD    | Ok,M   |
| 17  | PB167852ZHE#06 | VX046065.D     | 06 May 2025 15:45 | JC/MD    | Ok,M   |
| 18  | VSTDCCC050     | VX046066.D     | 06 May 2025 16:17 | JC/MD    | Ok,M   |

M : Manual Integration

Instrument ID: MSVOA\_X

**Daily Analysis Runlog For Sequence/QC Batch ID # VX050525**

|                          |                                                       |                   |                                   |
|--------------------------|-------------------------------------------------------|-------------------|-----------------------------------|
| Review By                | John Carlone                                          | Review On         | 5/6/2025 9:53:58 AM               |
| Supervise By             | Maresh Dadoda                                         | Supervise On      | 5/6/2025 12:43:00 PM              |
| SubDirectory             | VX050525                                              | HP Acquire Method | HP Processing Method 82X050525W.M |
| <b>STD. NAME</b>         | <b>STD REF.#</b>                                      |                   |                                   |
| Tune/Reschk              | VP133811                                              |                   |                                   |
| Initial Calibration Stds | VP133832,VP133833,VP133834,VP133835,VP133836,VP133837 |                   |                                   |
| CCC                      |                                                       |                   |                                   |
| Internal Standard/PEM    |                                                       |                   |                                   |
| ICV/I.BLK                | VP133838                                              |                   |                                   |
| Surrogate Standard       |                                                       |                   |                                   |
| MS/MSD Standard          |                                                       |                   |                                   |
| LCS Standard             |                                                       |                   |                                   |

| Sr# | Sampled    | ClientID    | Data File Name | Date-Time         | Comment  | Operator | Status |
|-----|------------|-------------|----------------|-------------------|----------|----------|--------|
| 1   | BFB        | BFB         | VX046038.D     | 05 May 2025 09:37 |          | JC/MD    | Ok     |
| 2   | VSTDIC001  | VSTDIC001   | VX046039.D     | 05 May 2025 10:49 | Not used | JC/MD    | Not Ok |
| 3   | VSTDIC005  | VSTDIC005   | VX046040.D     | 05 May 2025 11:12 | Not used | JC/MD    | Not Ok |
| 4   | VSTDIC020  | VSTDIC020   | VX046041.D     | 05 May 2025 11:35 |          | JC/MD    | Ok,M   |
| 5   | VSTDIC050  | VSTDIC050   | VX046042.D     | 05 May 2025 11:58 |          | JC/MD    | Ok,M   |
| 6   | VSTDIC100  | VSTDIC100   | VX046043.D     | 05 May 2025 12:21 |          | JC/MD    | Ok,M   |
| 7   | VSTDIC150  | VSTDIC150   | VX046044.D     | 05 May 2025 12:45 |          | JC/MD    | Ok,M   |
| 8   | IBLK       | IBLK        | VX046045.D     | 05 May 2025 13:08 |          | JC/MD    | Ok     |
| 9   | VSTDIC005  | VSTDIC005   | VX046046.D     | 05 May 2025 16:04 |          | JC/MD    | Ok,M   |
| 10  | VSTDIC001  | VSTDIC001   | VX046047.D     | 05 May 2025 16:27 |          | JC/MD    | Ok,M   |
| 11  | VSTDICV050 | ICVVX050525 | VX046048.D     | 05 May 2025 16:50 |          | JC/MD    | Ok,M   |

M : Manual Integration

Instrument ID: MSVOA\_X

**Daily Analysis Runlog For Sequence/QC Batch ID # VX050625**

|                                                                                                    |                   |                   |                                   |
|----------------------------------------------------------------------------------------------------|-------------------|-------------------|-----------------------------------|
| Review By                                                                                          | John Carlone      | Review On         | 5/7/2025 9:47:51 AM               |
| Supervise By                                                                                       | Mahesh Dadoda     | Supervise On      | 5/7/2025 1:28:40 PM               |
| SubDirectory                                                                                       | VX050625          | HP Acquire Method | HP Processing Method 82X050525W.M |
| <b>STD. NAME</b>                                                                                   | <b>STD REF.#</b>  |                   |                                   |
| Tune/Reschk<br>Initial Calibration Stds                                                            | VP133829          |                   |                                   |
| CCC<br>Internal Standard/PEM<br>ICV/I.BLK<br>Surrogate Standard<br>MS/MSD Standard<br>LCS Standard | VP133830,VP133831 |                   |                                   |

| Sr# | SampleID       | ClientID       | Data File Name | Date-Time         | Comment       | Operator | Status |
|-----|----------------|----------------|----------------|-------------------|---------------|----------|--------|
| 1   | BFB            | BFB            | VX046049.D     | 06 May 2025 09:07 |               | JC/MD    | Ok     |
| 2   | VSTDCCC050     | VSTDCCC050     | VX046050.D     | 06 May 2025 09:48 | pH#Lot#V12668 | JC/MD    | Ok,M   |
| 3   | VX0506MBL01    | VX0506MBL01    | VX046051.D     | 06 May 2025 10:15 |               | JC/MD    | Ok     |
| 4   | VX0506WBL01    | VX0506WBL01    | VX046052.D     | 06 May 2025 10:39 |               | JC/MD    | Ok     |
| 5   | VX0506WBS01    | VX0506WBS01    | VX046053.D     | 06 May 2025 11:02 |               | JC/MD    | Ok,M   |
| 6   | VX0506WBSD01   | VX0506WBSD01   | VX046054.D     | 06 May 2025 11:29 |               | JC/MD    | Ok,M   |
| 7   | Q1945-01       | GB1W           | VX046055.D     | 06 May 2025 11:52 | vial A pH<2   | JC/MD    | Ok     |
| 8   | Q1945-02       | GB3W           | VX046056.D     | 06 May 2025 12:15 | vial A+B pH<2 | JC/MD    | Ok     |
| 9   | IBLK           | IBLK           | VX046057.D     | 06 May 2025 12:39 |               | JC/MD    | Ok     |
| 10  | IBLK           | IBLK           | VX046058.D     | 06 May 2025 13:02 |               | JC/MD    | Ok     |
| 11  | PB167852TB     | PB167852TB     | VX046059.D     | 06 May 2025 13:25 |               | JC/MD    | Ok     |
| 12  | PB167852ZHE#01 | PB167852ZHE#01 | VX046060.D     | 06 May 2025 13:48 |               | JC/MD    | Ok     |
| 13  | PB167852ZHE#02 | PB167852ZHE#02 | VX046061.D     | 06 May 2025 14:12 |               | JC/MD    | Ok     |
| 14  | PB167852ZHE#03 | PB167852ZHE#03 | VX046062.D     | 06 May 2025 14:35 |               | JC/MD    | Ok     |
| 15  | PB167852ZHE#04 | PB167852ZHE#04 | VX046063.D     | 06 May 2025 14:58 |               | JC/MD    | Ok     |
| 16  | PB167852ZHE#05 | PB167852ZHE#05 | VX046064.D     | 06 May 2025 15:22 |               | JC/MD    | Ok,M   |
| 17  | PB167852ZHE#06 | PB167852ZHE#06 | VX046065.D     | 06 May 2025 15:45 |               | JC/MD    | Ok,M   |
| 18  | VSTDCCC050     | VSTDCCC050EC   | VX046066.D     | 06 May 2025 16:17 |               | JC/MD    | Ok,M   |

Instrument ID: MSVOA\_X

**Daily Analysis Runlog For Sequence/QC Batch ID # VX050625**

| Review By                                                                                          | John Carlone      | Review On         | 5/7/2025 9:47:51 AM               |
|----------------------------------------------------------------------------------------------------|-------------------|-------------------|-----------------------------------|
| Supervise By                                                                                       | Mahesh Dadoda     | Supervise On      | 5/7/2025 1:28:40 PM               |
| SubDirectory                                                                                       | VX050625          | HP Acquire Method | HP Processing Method 82X050525W.M |
| STD. NAME                                                                                          | STD REF.#         |                   |                                   |
| Tune/Reschk<br>Initial Calibration Stds                                                            | VP133829          |                   |                                   |
| CCC<br>Internal Standard/PEM<br>ICV/I.BLK<br>Surrogate Standard<br>MS/MSD Standard<br>LCS Standard | VP133830,VP133831 |                   |                                   |

M : Manual Integration

A  
B  
C  
D  
E  
F  
G  
H  
I  
J

## LAB CHRONICLE

|                 |                 |                   |                       |
|-----------------|-----------------|-------------------|-----------------------|
| <b>OrderID:</b> | Q1945           | <b>OrderDate:</b> | 5/2/2025 11:14:00 AM  |
| <b>Client:</b>  | G Environmental | <b>Project:</b>   | Amsterdam             |
| <b>Contact:</b> | Gary Landis     | <b>Location:</b>  | L41,VOA Ref. #3 Water |

| LabID    | ClientID | Matrix | Test         | Method   | Sample Date | Prep Date | Anal Date | Received |
|----------|----------|--------|--------------|----------|-------------|-----------|-----------|----------|
| Q1945-01 | GB1W     | Water  | VOCMS Group1 | 8260-Low | 05/02/25    |           | 05/06/25  | 05/02/25 |
| Q1945-02 | GB3W     | Water  | VOCMS Group1 | 8260-Low | 05/02/25    |           | 05/06/25  | 05/02/25 |

### Hit Summary Sheet SW-846

**SDG No.:** Q1945  
**Client:** G Environmental

| Sample ID                 | Client ID |       | Parameter                          |   | Concentration | C  | MDL | RDL  | Units |
|---------------------------|-----------|-------|------------------------------------|---|---------------|----|-----|------|-------|
| <b>Client ID : GB1W</b>   |           |       |                                    |   |               |    |     |      |       |
| Q1945-01                  | GB1W      | WATER | Caprolactam                        |   | 140.000       | E  | 1.2 | 10.4 | ug/L  |
|                           |           |       | <b>Total Svoc :</b>                |   | <b>140.00</b> |    |     |      |       |
| Q1945-01                  | GB1W      | WATER | Ethanol, 1-(2-butoxyethoxy)-       | * | 14.300        | J  | 0   | 0    | ug/L  |
| Q1945-01                  | GB1W      | WATER | n-Hexadecanoic acid                | * | 14.600        | J  | 0   | 0    | ug/L  |
| Q1945-01                  | GB1W      | WATER | Octadecanoic acid                  | * | 5.400         | J  | 0   | 0    | ug/L  |
| Q1945-01                  | GB1W      | WATER | unknown16.598                      | * | 4.100         | J  | 0   | 0    | ug/L  |
| Q1945-01                  | GB1W      | WATER | 2-Pentanone, 4-hydroxy-4-methyl    | * | 4.300         | AB | 0   | 0    | ug/L  |
| Q1945-01                  | GB1W      | WATER | Benzophenone                       | * | 3.900         | J  | 0   | 0    | ug/L  |
|                           |           |       | <b>Total Tics :</b>                |   | <b>46.60</b>  |    |     |      |       |
|                           |           |       | <b>Total Concentration:</b>        |   | <b>186.60</b> |    |     |      |       |
| <b>Client ID : GB1WDL</b> |           |       |                                    |   |               |    |     |      |       |
| Q1945-01DL                | GB1WDL    | WATER | Caprolactam                        |   | 120.000       | D  | 5.9 | 52.1 | ug/L  |
|                           |           |       | <b>Total Svoc :</b>                |   | <b>120.00</b> |    |     |      |       |
|                           |           |       | <b>Total Concentration:</b>        |   | <b>120.00</b> |    |     |      |       |
| <b>Client ID : GB3W</b>   |           |       |                                    |   |               |    |     |      |       |
| Q1945-02                  | GB3W      | WATER | Caprolactam                        |   | 190.000       | E  | 1.3 | 11.9 | ug/L  |
|                           |           |       | <b>Total Svoc :</b>                |   | <b>190.00</b> |    |     |      |       |
| Q1945-02                  | GB3W      | WATER | Benzene, (2-methyl-1-butenyl)-     | * | 4.700         | J  | 0   | 0    | ug/L  |
| Q1945-02                  | GB3W      | WATER | Benzene, 1-ethyl-2,4-dimethyl-     | * | 5.900         | J  | 0   | 0    | ug/L  |
| Q1945-02                  | GB3W      | WATER | Benzene, 1-methyl-2-(2-propenyl)-  | * | 8.700         | J  | 0   | 0    | ug/L  |
| Q1945-02                  | GB3W      | WATER | Benzene, pentamethyl-              | * | 4.800         | J  | 0   | 0    | ug/L  |
| Q1945-02                  | GB3W      | WATER | Benzophenone                       | * | 6.800         | J  | 0   | 0    | ug/L  |
| Q1945-02                  | GB3W      | WATER | 1H-Inden-1-one, 2,3-dihydro-       | * | 6.400         | J  | 0   | 0    | ug/L  |
| Q1945-02                  | GB3W      | WATER | 1H-Indene, 2,3-dihydro-4,7-dimet   | * | 4.300         | J  | 0   | 0    | ug/L  |
| Q1945-02                  | GB3W      | WATER | 1-Hydroxy-4-methyl-2-oxo-1,2-di    | * | 6.100         | J  | 0   | 0    | ug/L  |
| Q1945-02                  | GB3W      | WATER | 2-Pentanone, 4-hydroxy-4-methyl    | * | 9.000         | AB | 0   | 0    | ug/L  |
| Q1945-02                  | GB3W      | WATER | Carbonic acid, eicosyl vinyl ester | * | 5.100         | J  | 0   | 0    | ug/L  |
| Q1945-02                  | GB3W      | WATER | Naphthalene, 1,6,7-trimethyl-      | * | 5.300         | J  | 0   | 0    | ug/L  |
| Q1945-02                  | GB3W      | WATER | Naphthalene, 2,3,6-trimethyl-      | * | 5.300         | J  | 0   | 0    | ug/L  |
| Q1945-02                  | GB3W      | WATER | Naphthalene, 2,7-dimethyl-         | * | 6.600         | J  | 0   | 0    | ug/L  |
| Q1945-02                  | GB3W      | WATER | n-Hexadecanoic acid                | * | 15.500        | J  | 0   | 0    | ug/L  |
| Q1945-02                  | GB3W      | WATER | Octadecanoic acid                  | * | 5.400         | J  | 0   | 0    | ug/L  |
| Q1945-02                  | GB3W      | WATER | Tridecane                          | * | 5.400         | J  | 0   | 0    | ug/L  |
| Q1945-02                  | GB3W      | WATER | Tridecane, 2-methyl-               | * | 7.400         | J  | 0   | 0    | ug/L  |
| Q1945-02                  | GB3W      | WATER | Tridecane, 3-methyl-               | * | 17.600        | J  | 0   | 0    | ug/L  |
| Q1945-02                  | GB3W      | WATER | unknown12.398                      | * | 8.000         | J  | 0   | 0    | ug/L  |
| Q1945-02                  | GB3W      | WATER | unknown12.933                      | * | 6.400         | J  | 0   | 0    | ug/L  |

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

**SDG No.:** Q1945  
**Client:** G Environmental

| Sample ID                   | Client ID | Parameter | Concentration | C             | MDL   | RDL  | Units |
|-----------------------------|-----------|-----------|---------------|---------------|-------|------|-------|
| <b>Total Tics :</b>         |           |           |               | <b>144.70</b> |       |      |       |
| <b>Total Concentration:</b> |           |           |               | <b>334.70</b> |       |      |       |
| <b>Client ID :</b> GB3WDL   |           |           |               |               |       |      |       |
| Q1945-02DL                  | GB3WDL    | WATER     | Caprolactam   | 170.000       | D 6.7 | 59.5 | ug/L  |
| <b>Total Svoc :</b>         |           |           |               | <b>170.00</b> |       |      |       |
| <b>Total Concentration:</b> |           |           |               | <b>170.00</b> |       |      |       |



# SAMPLE DATA



## Report of Analysis

|                    |                 |                 |               |
|--------------------|-----------------|-----------------|---------------|
| Client:            | G Environmental | Date Collected: | 05/02/25      |
| Project:           | Amsterdam       | Date Received:  | 05/02/25      |
| Client Sample ID:  | GB1W            | SDG No.:        | Q1945         |
| Lab Sample ID:     | Q1945-01        | Matrix:         | Water         |
| Analytical Method: | SW8270          | % Solid:        | 0             |
| Sample Wt/Vol:     | 960             | Units:          | mL            |
| Soil Aliquot Vol:  |                 |                 | uL            |
| Extraction Type :  |                 | Decanted :      | N             |
| Injection Volume : |                 | GPC Factor :    | 1.0           |
| Prep Method :      | SW3510C         | Level :         | LOW           |
|                    |                 | Final Vol:      | 1000 uL       |
|                    |                 | Test:           | SVOCMS Group1 |
|                    |                 | GPC Cleanup :   | N             |
|                    |                 | PH :            |               |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BM050134.D        | 1         | 05/07/25 08:53 | 05/07/25 14:26 | PB167889      |

| CAS Number     | Parameter                   | Conc. | Qualifier | MDL  | LOQ / CRQL | Units |
|----------------|-----------------------------|-------|-----------|------|------------|-------|
| <b>TARGETS</b> |                             |       |           |      |            |       |
| 100-52-7       | Benzaldehyde                | 4.10  | U         | 4.10 | 10.4       | ug/L  |
| 62-53-3        | Aniline                     | 1.50  | U         | 1.50 | 5.20       | ug/L  |
| 108-95-2       | Phenol                      | 0.95  | U         | 0.95 | 5.20       | ug/L  |
| 111-44-4       | bis(2-Chloroethyl)ether     | 0.84  | U         | 0.84 | 5.20       | ug/L  |
| 95-57-8        | 2-Chlorophenol              | 0.60  | U         | 0.60 | 5.20       | ug/L  |
| 95-48-7        | 2-Methylphenol              | 1.20  | U         | 1.20 | 5.20       | ug/L  |
| 108-60-1       | 2,2-oxybis(1-Chloropropane) | 1.30  | U         | 1.30 | 5.20       | ug/L  |
| 98-86-2        | Acetophenone                | 0.77  | U         | 0.77 | 5.20       | ug/L  |
| 65794-96-9     | 3+4-Methylphenols           | 1.10  | U         | 1.10 | 10.4       | ug/L  |
| 621-64-7       | n-Nitroso-di-n-propylamine  | 1.50  | U         | 1.50 | 2.60       | ug/L  |
| 67-72-1        | Hexachloroethane            | 0.68  | U         | 0.68 | 5.20       | ug/L  |
| 98-95-3        | Nitrobenzene                | 0.79  | U         | 0.79 | 5.20       | ug/L  |
| 78-59-1        | Isophorone                  | 0.78  | U         | 0.78 | 5.20       | ug/L  |
| 88-75-5        | 2-Nitrophenol               | 1.80  | U         | 1.80 | 5.20       | ug/L  |
| 105-67-9       | 2,4-Dimethylphenol          | 1.90  | U         | 1.90 | 5.20       | ug/L  |
| 111-91-1       | bis(2-Chloroethoxy)methane  | 0.71  | U         | 0.71 | 5.20       | ug/L  |
| 120-83-2       | 2,4-Dichlorophenol          | 0.54  | U         | 0.54 | 5.20       | ug/L  |
| 91-20-3        | Naphthalene                 | 0.52  | U         | 0.52 | 5.20       | ug/L  |
| 106-47-8       | 4-Chloroaniline             | 0.88  | UQ        | 0.88 | 5.20       | ug/L  |
| 87-68-3        | Hexachlorobutadiene         | 0.56  | U         | 0.56 | 5.20       | ug/L  |
| 105-60-2       | Caprolactam                 | 140   | E         | 1.20 | 10.4       | ug/L  |
| 59-50-7        | 4-Chloro-3-methylphenol     | 0.61  | U         | 0.61 | 5.20       | ug/L  |
| 91-57-6        | 2-Methylnaphthalene         | 0.58  | U         | 0.58 | 5.20       | ug/L  |
| 77-47-4        | Hexachlorocyclopentadiene   | 3.80  | U         | 3.80 | 10.4       | ug/L  |
| 88-06-2        | 2,4,6-Trichlorophenol       | 0.53  | U         | 0.53 | 5.20       | ug/L  |
| 95-95-4        | 2,4,5-Trichlorophenol       | 0.65  | U         | 0.65 | 5.20       | ug/L  |
| 92-52-4        | 1,1-Biphenyl                | 0.55  | U         | 0.55 | 5.20       | ug/L  |
| 91-58-7        | 2-Chloronaphthalene         | 0.64  | U         | 0.64 | 5.20       | ug/L  |
| 88-74-4        | 2-Nitroaniline              | 1.30  | U         | 1.30 | 5.20       | ug/L  |

## Report of Analysis

|                    |                 |                 |               |
|--------------------|-----------------|-----------------|---------------|
| Client:            | G Environmental | Date Collected: | 05/02/25      |
| Project:           | Amsterdam       | Date Received:  | 05/02/25      |
| Client Sample ID:  | GB1W            | SDG No.:        | Q1945         |
| Lab Sample ID:     | Q1945-01        | Matrix:         | Water         |
| Analytical Method: | SW8270          | % Solid:        | 0             |
| Sample Wt/Vol:     | 960             | Units:          | mL            |
| Soil Aliquot Vol:  |                 |                 | uL            |
| Extraction Type :  |                 | Decanted :      | N             |
| Injection Volume : |                 | GPC Factor :    | 1.0           |
| Prep Method :      | SW3510C         | Level :         | LOW           |
|                    |                 | Final Vol:      | 1000          |
|                    |                 | Test:           | SVOCMS Group1 |
|                    |                 | GPC Cleanup :   | N             |
|                    |                 | PH :            |               |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BM050134.D        | 1         | 05/07/25 08:53 | 05/07/25 14:26 | PB167889      |

| CAS Number | Parameter                  | Conc. | Qualifier | MDL  | LOQ / CRQL | Units |
|------------|----------------------------|-------|-----------|------|------------|-------|
| 131-11-3   | Dimethylphthalate          | 0.64  | U         | 0.64 | 5.20       | ug/L  |
| 208-96-8   | Acenaphthylene             | 0.78  | U         | 0.78 | 5.20       | ug/L  |
| 606-20-2   | 2,6-Dinitrotoluene         | 0.96  | U         | 0.96 | 5.20       | ug/L  |
| 99-09-2    | 3-Nitroaniline             | 1.10  | UQ        | 1.10 | 5.20       | ug/L  |
| 83-32-9    | Acenaphthene               | 0.57  | U         | 0.57 | 5.20       | ug/L  |
| 51-28-5    | 2,4-Dinitrophenol          | 6.20  | U         | 6.20 | 10.4       | ug/L  |
| 100-02-7   | 4-Nitrophenol              | 2.50  | U         | 2.50 | 10.4       | ug/L  |
| 132-64-9   | Dibenzofuran               | 0.64  | U         | 0.64 | 5.20       | ug/L  |
| 121-14-2   | 2,4-Dinitrotoluene         | 1.30  | U         | 1.30 | 5.20       | ug/L  |
| 84-66-2    | Diethylphthalate           | 0.72  | U         | 0.72 | 5.20       | ug/L  |
| 7005-72-3  | 4-Chlorophenyl-phenylether | 0.71  | U         | 0.71 | 5.20       | ug/L  |
| 86-73-7    | Fluorene                   | 0.66  | U         | 0.66 | 5.20       | ug/L  |
| 100-01-6   | 4-Nitroaniline             | 1.60  | U         | 1.60 | 5.20       | ug/L  |
| 534-52-1   | 4,6-Dinitro-2-methylphenol | 3.00  | U         | 3.00 | 10.4       | ug/L  |
| 86-30-6    | n-Nitrosodiphenylamine     | 0.60  | U         | 0.60 | 5.20       | ug/L  |
| 101-55-3   | 4-Bromophenyl-phenylether  | 0.42  | U         | 0.42 | 5.20       | ug/L  |
| 118-74-1   | Hexachlorobenzene          | 0.54  | U         | 0.54 | 5.20       | ug/L  |
| 1912-24-9  | Atrazine                   | 1.10  | U         | 1.10 | 5.20       | ug/L  |
| 87-86-5    | Pentachlorophenol          | 1.60  | U         | 1.60 | 10.4       | ug/L  |
| 85-01-8    | Phenanthrene               | 0.52  | U         | 0.52 | 5.20       | ug/L  |
| 120-12-7   | Anthracene                 | 0.64  | U         | 0.64 | 5.20       | ug/L  |
| 86-74-8    | Carbazole                  | 0.75  | U         | 0.75 | 5.20       | ug/L  |
| 84-74-2    | Di-n-butylphthalate        | 1.30  | U         | 1.30 | 5.20       | ug/L  |
| 206-44-0   | Fluoranthene               | 0.85  | U         | 0.85 | 5.20       | ug/L  |
| 129-00-0   | Pyrene                     | 0.52  | U         | 0.52 | 5.20       | ug/L  |
| 85-68-7    | Butylbenzylphthalate       | 2.00  | U         | 2.00 | 5.20       | ug/L  |
| 91-94-1    | 3,3-Dichlorobenzidine      | 0.97  | UQ        | 0.97 | 10.4       | ug/L  |
| 56-55-3    | Benzo(a)anthracene         | 0.47  | U         | 0.47 | 5.20       | ug/L  |
| 218-01-9   | Chrysene                   | 0.46  | U         | 0.46 | 5.20       | ug/L  |
| 117-81-7   | Bis(2-ethylhexyl)phthalate | 1.70  | U         | 1.70 | 5.20       | ug/L  |
| 117-84-0   | Di-n-octyl phthalate       | 2.40  | U         | 2.40 | 10.4       | ug/L  |

## Report of Analysis

|                    |                 |                 |               |
|--------------------|-----------------|-----------------|---------------|
| Client:            | G Environmental | Date Collected: | 05/02/25      |
| Project:           | Amsterdam       | Date Received:  | 05/02/25      |
| Client Sample ID:  | GB1W            | SDG No.:        | Q1945         |
| Lab Sample ID:     | Q1945-01        | Matrix:         | Water         |
| Analytical Method: | SW8270          | % Solid:        | 0             |
| Sample Wt/Vol:     | 960             | Units:          | mL            |
| Soil Aliquot Vol:  |                 |                 | uL            |
| Extraction Type :  |                 | Decanted :      | N             |
| Injection Volume : |                 | GPC Factor :    | 1.0           |
| Prep Method :      | SW3510C         | Level :         | LOW           |
|                    |                 | GPC Cleanup :   | N             |
|                    |                 | PH :            |               |
|                    |                 | Test:           | SVOCMS Group1 |
|                    |                 | Final Vol:      | 1000          |
|                    |                 |                 | uL            |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BM050134.D        | 1         | 05/07/25 08:53 | 05/07/25 14:26 | PB167889      |

| CAS Number                            | Parameter                        | Conc.   | Qualifier | MDL                 | LOQ / CRQL | Units    |
|---------------------------------------|----------------------------------|---------|-----------|---------------------|------------|----------|
| 205-99-2                              | Benzo(b)fluoranthene             | 0.51    | U         | 0.51                | 5.20       | ug/L     |
| 207-08-9                              | Benzo(k)fluoranthene             | 0.50    | U         | 0.50                | 5.20       | ug/L     |
| 50-32-8                               | Benzo(a)pyrene                   | 0.57    | U         | 0.57                | 5.20       | ug/L     |
| 193-39-5                              | Indeno(1,2,3-cd)pyrene           | 0.61    | U         | 0.61                | 5.20       | ug/L     |
| 53-70-3                               | Dibenzo(a,h)anthracene           | 0.70    | U         | 0.70                | 5.20       | ug/L     |
| 191-24-2                              | Benzo(g,h,i)perylene             | 0.72    | U         | 0.72                | 5.20       | ug/L     |
| 95-94-3                               | 1,2,4,5-Tetrachlorobenzene       | 0.54    | U         | 0.54                | 5.20       | ug/L     |
| 123-91-1                              | 1,4-Dioxane                      | 1.00    | U         | 1.00                | 5.20       | ug/L     |
| 58-90-2                               | 2,3,4,6-Tetrachlorophenol        | 0.75    | U         | 0.75                | 5.20       | ug/L     |
| <b>SURROGATES</b>                     |                                  |         |           |                     |            |          |
| 367-12-4                              | 2-Fluorophenol                   | 72.9    |           | 15 (10) - 110 (139) | 49%        | SPK: 150 |
| 13127-88-3                            | Phenol-d6                        | 45.5    |           | 15 (10) - 110 (134) | 30%        | SPK: 150 |
| 4165-60-0                             | Nitrobenzene-d5                  | 84.8    |           | 30 (49) - 130 (133) | 85%        | SPK: 100 |
| 321-60-8                              | 2-Fluorobiphenyl                 | 80.9    |           | 30 (52) - 130 (132) | 81%        | SPK: 100 |
| 118-79-6                              | 2,4,6-Tribromophenol             | 161     |           | 15 (44) - 110 (137) | 107%       | SPK: 150 |
| 1718-51-0                             | Terphenyl-d14                    | 92.5    |           | 30 (48) - 130 (125) | 92%        | SPK: 100 |
| <b>INTERNAL STANDARDS</b>             |                                  |         |           |                     |            |          |
| 3855-82-1                             | 1,4-Dichlorobenzene-d4           | 277000  | 7.746     |                     |            |          |
| 1146-65-2                             | Naphthalene-d8                   | 995000  | 10.54     |                     |            |          |
| 15067-26-2                            | Acenaphthene-d10                 | 676000  | 14.392    |                     |            |          |
| 1517-22-2                             | Phenanthrene-d10                 | 1360000 | 17.145    |                     |            |          |
| 1719-03-5                             | Chrysene-d12                     | 1250000 | 21.392    |                     |            |          |
| 1520-96-3                             | Perylene-d12                     | 1280000 | 24.386    |                     |            |          |
| <b>TENTATIVE IDENTIFIED COMPOUNDS</b> |                                  |         |           |                     |            |          |
| 000123-42-2                           | 2-Pentanone, 4-hydroxy-4-methyl- | 4.30    | AB        |                     | 4.86       | ug/L     |
| 054446-78-5                           | Ethanol, 1-(2-butoxyethoxy)-     | 14.3    | J         |                     | 10.3       | ug/L     |
| 000119-61-9                           | Benzophenone                     | 3.90    | J         |                     | 15.8       | ug/L     |
|                                       | unknown16.598                    | 4.10    | J         |                     | 16.6       | ug/L     |
| 000057-10-3                           | n-Hexadecanoic acid              | 14.6    | J         |                     | 18.0       | ug/L     |
| 000057-11-4                           | Octadecanoic acid                | 5.40    | J         |                     | 19.3       | ug/L     |

## Report of Analysis

|                    |                       |                 |               |
|--------------------|-----------------------|-----------------|---------------|
| Client:            | G Environmental       | Date Collected: | 05/02/25      |
| Project:           | Amsterdam             | Date Received:  | 05/02/25      |
| Client Sample ID:  | GB1W                  | SDG No.:        | Q1945         |
| Lab Sample ID:     | Q1945-01              | Matrix:         | Water         |
| Analytical Method: | SW8270                | % Solid:        | 0             |
| Sample Wt/Vol:     | 960      Units:    mL | Final Vol:      | 1000      uL  |
| Soil Aliquot Vol:  | uL                    | Test:           | SVOCMS Group1 |
| Extraction Type :  | Decanted :    N       | Level :         | LOW           |
| Injection Volume : | GPC Factor :    1.0   | GPC Cleanup :   | N      PH :   |
| Prep Method :      | SW3510C               |                 |               |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BM050134.D        | 1         | 05/07/25 08:53 | 05/07/25 14:26 | PB167889      |

| 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: | 05/02/25      |
| Project:           | Amsterdam             | Date Received:  | 05/02/25      |
| Client Sample ID:  | GB1WDL                | SDG No.:        | Q1945         |
| Lab Sample ID:     | Q1945-01DL            | Matrix:         | Water         |
| Analytical Method: | SW8270                | % Solid:        | 0             |
| Sample Wt/Vol:     | 960      Units:    mL | Final Vol:      | 1000      uL  |
| Soil Aliquot Vol:  | uL                    | Test:           | SVOCMS Group1 |
| Extraction Type :  | Decanted :    N       | Level :         | LOW           |
| Injection Volume : | GPC Factor :    1.0   | GPC Cleanup :   | N      PH :   |
| Prep Method :      | SW3510C               |                 |               |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BM050137.D        | 5         | 05/07/25 08:53 | 05/07/25 16:24 | PB167889      |

| CAS Number     | Parameter                   | Conc. | Qualifier | MDL  | LOQ / CRQL | Units |
|----------------|-----------------------------|-------|-----------|------|------------|-------|
| <b>TARGETS</b> |                             |       |           |      |            |       |
| 100-52-7       | Benzaldehyde                | 20.4  | UD        | 20.4 | 52.1       | ug/L  |
| 62-53-3        | Aniline                     | 7.70  | UD        | 7.70 | 26.0       | ug/L  |
| 108-95-2       | Phenol                      | 4.70  | UD        | 4.70 | 26.0       | ug/L  |
| 111-44-4       | bis(2-Chloroethyl)ether     | 4.20  | UD        | 4.20 | 26.0       | ug/L  |
| 95-57-8        | 2-Chlorophenol              | 3.00  | UD        | 3.00 | 26.0       | ug/L  |
| 95-48-7        | 2-Methylphenol              | 5.80  | UD        | 5.80 | 26.0       | ug/L  |
| 108-60-1       | 2,2-oxybis(1-Chloropropane) | 6.70  | UD        | 6.70 | 26.0       | ug/L  |
| 98-86-2        | Acetophenone                | 3.90  | UD        | 3.90 | 26.0       | ug/L  |
| 65794-96-9     | 3+4-Methylphenols           | 5.70  | UD        | 5.70 | 52.1       | ug/L  |
| 621-64-7       | n-Nitroso-di-n-propylamine  | 7.30  | UD        | 7.30 | 13.0       | ug/L  |
| 67-72-1        | Hexachloroethane            | 3.40  | UD        | 3.40 | 26.0       | ug/L  |
| 98-95-3        | Nitrobenzene                | 4.00  | UD        | 4.00 | 26.0       | ug/L  |
| 78-59-1        | Isophorone                  | 3.90  | UD        | 3.90 | 26.0       | ug/L  |
| 88-75-5        | 2-Nitrophenol               | 9.20  | UD        | 9.20 | 26.0       | ug/L  |
| 105-67-9       | 2,4-Dimethylphenol          | 9.60  | UD        | 9.60 | 26.0       | ug/L  |
| 111-91-1       | bis(2-Chloroethoxy)methane  | 3.50  | UD        | 3.50 | 26.0       | ug/L  |
| 120-83-2       | 2,4-Dichlorophenol          | 2.70  | UD        | 2.70 | 26.0       | ug/L  |
| 91-20-3        | Naphthalene                 | 2.60  | UD        | 2.60 | 26.0       | ug/L  |
| 106-47-8       | 4-Chloroaniline             | 4.40  | UDQ       | 4.40 | 26.0       | ug/L  |
| 87-68-3        | Hexachlorobutadiene         | 2.80  | UD        | 2.80 | 26.0       | ug/L  |
| 105-60-2       | Caprolactam                 | 120   | D         | 5.90 | 52.1       | ug/L  |
| 59-50-7        | 4-Chloro-3-methylphenol     | 3.10  | UD        | 3.10 | 26.0       | ug/L  |
| 91-57-6        | 2-Methylnaphthalene         | 2.90  | UD        | 2.90 | 26.0       | ug/L  |
| 77-47-4        | Hexachlorocyclopentadiene   | 18.9  | UD        | 18.9 | 52.1       | ug/L  |
| 88-06-2        | 2,4,6-Trichlorophenol       | 2.70  | UD        | 2.70 | 26.0       | ug/L  |
| 95-95-4        | 2,4,5-Trichlorophenol       | 3.20  | UD        | 3.20 | 26.0       | ug/L  |
| 92-52-4        | 1,1-Biphenyl                | 2.80  | UD        | 2.80 | 26.0       | ug/L  |
| 91-58-7        | 2-Chloronaphthalene         | 3.20  | UD        | 3.20 | 26.0       | ug/L  |
| 88-74-4        | 2-Nitroaniline              | 6.60  | UD        | 6.60 | 26.0       | ug/L  |

### Report of Analysis

|                    |                  |                 |               |
|--------------------|------------------|-----------------|---------------|
| Client:            | G Environmental  | Date Collected: | 05/02/25      |
| Project:           | Amsterdam        | Date Received:  | 05/02/25      |
| Client Sample ID:  | GB1WDL           | SDG No.:        | Q1945         |
| Lab Sample ID:     | Q1945-01DL       | Matrix:         | Water         |
| Analytical Method: | SW8270           | % Solid:        | 0             |
| Sample Wt/Vol:     | 960 Units: mL    | Final Vol:      | 1000 uL       |
| Soil Aliquot Vol:  | uL               | Test:           | SVOCMS Group1 |
| Extraction Type :  | Decanted : N     | Level :         | LOW           |
| Injection Volume : | GPC Factor : 1.0 | GPC Cleanup :   | N PH :        |
| Prep Method :      | SW3510C          |                 |               |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BM050137.D        | 5         | 05/07/25 08:53 | 05/07/25 16:24 | PB167889      |

| CAS Number | Parameter                  | Conc. | Qualifier | MDL  | LOQ / CRQL | Units |
|------------|----------------------------|-------|-----------|------|------------|-------|
| 131-11-3   | Dimethylphthalate          | 3.20  | UD        | 3.20 | 26.0       | ug/L  |
| 208-96-8   | Acenaphthylene             | 3.90  | UD        | 3.90 | 26.0       | ug/L  |
| 606-20-2   | 2,6-Dinitrotoluene         | 4.80  | UD        | 4.80 | 26.0       | ug/L  |
| 99-09-2    | 3-Nitroaniline             | 5.50  | UDQ       | 5.50 | 26.0       | ug/L  |
| 83-32-9    | Acenaphthene               | 2.90  | UD        | 2.90 | 26.0       | ug/L  |
| 51-28-5    | 2,4-Dinitrophenol          | 31.1  | UD        | 31.1 | 52.1       | ug/L  |
| 100-02-7   | 4-Nitrophenol              | 12.4  | UD        | 12.4 | 52.1       | ug/L  |
| 132-64-9   | Dibenzofuran               | 3.20  | UD        | 3.20 | 26.0       | ug/L  |
| 121-14-2   | 2,4-Dinitrotoluene         | 6.40  | UD        | 6.40 | 26.0       | ug/L  |
| 84-66-2    | Diethylphthalate           | 3.60  | UD        | 3.60 | 26.0       | ug/L  |
| 7005-72-3  | 4-Chlorophenyl-phenylether | 3.50  | UD        | 3.50 | 26.0       | ug/L  |
| 86-73-7    | Fluorene                   | 3.30  | UD        | 3.30 | 26.0       | ug/L  |
| 100-01-6   | 4-Nitroaniline             | 7.80  | UD        | 7.80 | 26.0       | ug/L  |
| 534-52-1   | 4,6-Dinitro-2-methylphenol | 15.0  | UD        | 15.0 | 52.1       | ug/L  |
| 86-30-6    | n-Nitrosodiphenylamine     | 3.00  | UD        | 3.00 | 26.0       | ug/L  |
| 101-55-3   | 4-Bromophenyl-phenylether  | 2.10  | UD        | 2.10 | 26.0       | ug/L  |
| 118-74-1   | Hexachlorobenzene          | 2.70  | UD        | 2.70 | 26.0       | ug/L  |
| 1912-24-9  | Atrazine                   | 5.30  | UD        | 5.30 | 26.0       | ug/L  |
| 87-86-5    | Pentachlorophenol          | 8.20  | UD        | 8.20 | 52.1       | ug/L  |
| 85-01-8    | Phenanthrene               | 2.60  | UD        | 2.60 | 26.0       | ug/L  |
| 120-12-7   | Anthracene                 | 3.20  | UD        | 3.20 | 26.0       | ug/L  |
| 86-74-8    | Carbazole                  | 3.80  | UD        | 3.80 | 26.0       | ug/L  |
| 84-74-2    | Di-n-butylphthalate        | 6.40  | UD        | 6.40 | 26.0       | ug/L  |
| 206-44-0   | Fluoranthene               | 4.30  | UD        | 4.30 | 26.0       | ug/L  |
| 129-00-0   | Pyrene                     | 2.60  | UD        | 2.60 | 26.0       | ug/L  |
| 85-68-7    | Butylbenzylphthalate       | 10.1  | UD        | 10.1 | 26.0       | ug/L  |
| 91-94-1    | 3,3-Dichlorobenzidine      | 4.80  | UDQ       | 4.80 | 52.1       | ug/L  |
| 56-55-3    | Benzo(a)anthracene         | 2.30  | UD        | 2.30 | 26.0       | ug/L  |
| 218-01-9   | Chrysene                   | 2.30  | UD        | 2.30 | 26.0       | ug/L  |
| 117-81-7   | Bis(2-ethylhexyl)phthalate | 8.30  | UD        | 8.30 | 26.0       | ug/L  |
| 117-84-0   | Di-n-octyl phthalate       | 12.2  | UD        | 12.2 | 52.1       | ug/L  |

## Report of Analysis

|                    |                  |                 |               |
|--------------------|------------------|-----------------|---------------|
| Client:            | G Environmental  | Date Collected: | 05/02/25      |
| Project:           | Amsterdam        | Date Received:  | 05/02/25      |
| Client Sample ID:  | GB1WDL           | SDG No.:        | Q1945         |
| Lab Sample ID:     | Q1945-01DL       | Matrix:         | Water         |
| Analytical Method: | SW8270           | % Solid:        | 0             |
| Sample Wt/Vol:     | 960 Units: mL    | Final Vol:      | 1000 uL       |
| Soil Aliquot Vol:  | uL               | Test:           | SVOCMS Group1 |
| Extraction Type :  | Decanted : N     | Level :         | LOW           |
| Injection Volume : | GPC Factor : 1.0 | GPC Cleanup :   | N PH :        |
| Prep Method :      | SW3510C          |                 |               |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BM050137.D        | 5         | 05/07/25 08:53 | 05/07/25 16:24 | PB167889      |

| CAS Number                | Parameter                  | Conc.   | Qualifier | MDL                 | LOQ / CRQL | Units    |
|---------------------------|----------------------------|---------|-----------|---------------------|------------|----------|
| 205-99-2                  | Benzo(b)fluoranthene       | 2.60    | UD        | 2.60                | 26.0       | ug/L     |
| 207-08-9                  | Benzo(k)fluoranthene       | 2.50    | UD        | 2.50                | 26.0       | ug/L     |
| 50-32-8                   | Benzo(a)pyrene             | 2.90    | UD        | 2.90                | 26.0       | ug/L     |
| 193-39-5                  | Indeno(1,2,3-cd)pyrene     | 3.10    | UD        | 3.10                | 26.0       | ug/L     |
| 53-70-3                   | Dibenzo(a,h)anthracene     | 3.50    | UD        | 3.50                | 26.0       | ug/L     |
| 191-24-2                  | Benzo(g,h,i)perylene       | 3.60    | UD        | 3.60                | 26.0       | ug/L     |
| 95-94-3                   | 1,2,4,5-Tetrachlorobenzene | 2.70    | UD        | 2.70                | 26.0       | ug/L     |
| 123-91-1                  | 1,4-Dioxane                | 5.20    | UD        | 5.20                | 26.0       | ug/L     |
| 58-90-2                   | 2,3,4,6-Tetrachlorophenol  | 3.80    | UD        | 3.80                | 26.0       | ug/L     |
| <b>SURROGATES</b>         |                            |         |           |                     |            |          |
| 367-12-4                  | 2-Fluorophenol             | 71.2    |           | 15 (10) - 110 (139) | 47%        | SPK: 150 |
| 13127-88-3                | Phenol-d6                  | 39.7    |           | 15 (10) - 110 (134) | 26%        | SPK: 150 |
| 4165-60-0                 | Nitrobenzene-d5            | 81.4    |           | 30 (49) - 130 (133) | 81%        | SPK: 100 |
| 321-60-8                  | 2-Fluorobiphenyl           | 78.5    |           | 30 (52) - 130 (132) | 79%        | SPK: 100 |
| 118-79-6                  | 2,4,6-Tribromophenol       | 134     |           | 15 (44) - 110 (137) | 89%        | SPK: 150 |
| 1718-51-0                 | Terphenyl-d14              | 80.2    |           | 30 (48) - 130 (125) | 80%        | SPK: 100 |
| <b>INTERNAL STANDARDS</b> |                            |         |           |                     |            |          |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4     | 238000  | 7.746     |                     |            |          |
| 1146-65-2                 | Naphthalene-d8             | 834000  | 10.54     |                     |            |          |
| 15067-26-2                | Acenaphthene-d10           | 563000  | 14.392    |                     |            |          |
| 1517-22-2                 | Phenanthrene-d10           | 1150000 | 17.145    |                     |            |          |
| 1719-03-5                 | Chrysene-d12               | 1120000 | 21.392    |                     |            |          |
| 1520-96-3                 | Perylene-d12               | 1140000 | 24.386    |                     |            |          |

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: | 05/02/25      |
| Project:           | Amsterdam             | Date Received:  | 05/02/25      |
| Client Sample ID:  | GB3W                  | SDG No.:        | Q1945         |
| Lab Sample ID:     | Q1945-02              | Matrix:         | Water         |
| Analytical Method: | SW8270                | % Solid:        | 0             |
| Sample Wt/Vol:     | 840      Units:    mL | Final Vol:      | 1000      uL  |
| Soil Aliquot Vol:  | uL                    | Test:           | SVOCMS Group1 |
| Extraction Type :  | Decanted :    N       | Level :         | LOW           |
| Injection Volume : | GPC Factor :    1.0   | GPC Cleanup :   | N      PH :   |
| Prep Method :      | SW3510C               |                 |               |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BM050135.D        | 1         | 05/07/25 08:53 | 05/07/25 15:05 | PB167889      |

| CAS Number     | Parameter                   | Conc. | Qualifier | MDL  | LOQ / CRQL | Units |
|----------------|-----------------------------|-------|-----------|------|------------|-------|
| <b>TARGETS</b> |                             |       |           |      |            |       |
| 100-52-7       | Benzaldehyde                | 4.70  | U         | 4.70 | 11.9       | ug/L  |
| 62-53-3        | Aniline                     | 1.80  | U         | 1.80 | 6.00       | ug/L  |
| 108-95-2       | Phenol                      | 1.10  | U         | 1.10 | 6.00       | ug/L  |
| 111-44-4       | bis(2-Chloroethyl)ether     | 0.96  | U         | 0.96 | 6.00       | ug/L  |
| 95-57-8        | 2-Chlorophenol              | 0.69  | U         | 0.69 | 6.00       | ug/L  |
| 95-48-7        | 2-Methylphenol              | 1.30  | U         | 1.30 | 6.00       | ug/L  |
| 108-60-1       | 2,2-oxybis(1-Chloropropane) | 1.50  | U         | 1.50 | 6.00       | ug/L  |
| 98-86-2        | Acetophenone                | 0.88  | U         | 0.88 | 6.00       | ug/L  |
| 65794-96-9     | 3+4-Methylphenols           | 1.30  | U         | 1.30 | 11.9       | ug/L  |
| 621-64-7       | n-Nitroso-di-n-propylamine  | 1.70  | U         | 1.70 | 3.00       | ug/L  |
| 67-72-1        | Hexachloroethane            | 0.77  | U         | 0.77 | 6.00       | ug/L  |
| 98-95-3        | Nitrobenzene                | 0.90  | U         | 0.90 | 6.00       | ug/L  |
| 78-59-1        | Isophorone                  | 0.89  | U         | 0.89 | 6.00       | ug/L  |
| 88-75-5        | 2-Nitrophenol               | 2.10  | U         | 2.10 | 6.00       | ug/L  |
| 105-67-9       | 2,4-Dimethylphenol          | 2.20  | U         | 2.20 | 6.00       | ug/L  |
| 111-91-1       | bis(2-Chloroethoxy)methane  | 0.81  | U         | 0.81 | 6.00       | ug/L  |
| 120-83-2       | 2,4-Dichlorophenol          | 0.62  | U         | 0.62 | 6.00       | ug/L  |
| 91-20-3        | Naphthalene                 | 0.60  | U         | 0.60 | 6.00       | ug/L  |
| 106-47-8       | 4-Chloroaniline             | 1.00  | UQ        | 1.00 | 6.00       | ug/L  |
| 87-68-3        | Hexachlorobutadiene         | 0.64  | U         | 0.64 | 6.00       | ug/L  |
| 105-60-2       | Caprolactam                 | 190   | E         | 1.30 | 11.9       | ug/L  |
| 59-50-7        | 4-Chloro-3-methylphenol     | 0.70  | U         | 0.70 | 6.00       | ug/L  |
| 91-57-6        | 2-Methylnaphthalene         | 0.67  | U         | 0.67 | 6.00       | ug/L  |
| 77-47-4        | Hexachlorocyclopentadiene   | 4.30  | U         | 4.30 | 11.9       | ug/L  |
| 88-06-2        | 2,4,6-Trichlorophenol       | 0.61  | U         | 0.61 | 6.00       | ug/L  |
| 95-95-4        | 2,4,5-Trichlorophenol       | 0.74  | U         | 0.74 | 6.00       | ug/L  |
| 92-52-4        | 1,1-Biphenyl                | 0.63  | U         | 0.63 | 6.00       | ug/L  |
| 91-58-7        | 2-Chloronaphthalene         | 0.73  | U         | 0.73 | 6.00       | ug/L  |
| 88-74-4        | 2-Nitroaniline              | 1.50  | U         | 1.50 | 6.00       | ug/L  |



## Report of Analysis

|                    |                 |                 |               |
|--------------------|-----------------|-----------------|---------------|
| Client:            | G Environmental | Date Collected: | 05/02/25      |
| Project:           | Amsterdam       | Date Received:  | 05/02/25      |
| Client Sample ID:  | GB3W            | SDG No.:        | Q1945         |
| Lab Sample ID:     | Q1945-02        | Matrix:         | Water         |
| Analytical Method: | SW8270          | % Solid:        | 0             |
| Sample Wt/Vol:     | 840             | Units:          | mL            |
| Soil Aliquot Vol:  |                 |                 | uL            |
| Extraction Type :  |                 | Decanted :      | N             |
| Injection Volume : |                 | GPC Factor :    | 1.0           |
| Prep Method :      | SW3510C         | Level :         | LOW           |
|                    |                 | Final Vol:      | 1000          |
|                    |                 | Test:           | SVOCMS Group1 |
|                    |                 | GPC Cleanup :   | N             |
|                    |                 | PH :            |               |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BM050135.D        | 1         | 05/07/25 08:53 | 05/07/25 15:05 | PB167889      |

| CAS Number | Parameter                  | Conc. | Qualifier | MDL  | LOQ / CRQL | Units |
|------------|----------------------------|-------|-----------|------|------------|-------|
| 131-11-3   | Dimethylphthalate          | 0.73  | U         | 0.73 | 6.00       | ug/L  |
| 208-96-8   | Acenaphthylene             | 0.89  | U         | 0.89 | 6.00       | ug/L  |
| 606-20-2   | 2,6-Dinitrotoluene         | 1.10  | U         | 1.10 | 6.00       | ug/L  |
| 99-09-2    | 3-Nitroaniline             | 1.30  | UQ        | 1.30 | 6.00       | ug/L  |
| 83-32-9    | Acenaphthene               | 0.65  | U         | 0.65 | 6.00       | ug/L  |
| 51-28-5    | 2,4-Dinitrophenol          | 7.10  | U         | 7.10 | 11.9       | ug/L  |
| 100-02-7   | 4-Nitrophenol              | 2.80  | U         | 2.80 | 11.9       | ug/L  |
| 132-64-9   | Dibenzofuran               | 0.73  | U         | 0.73 | 6.00       | ug/L  |
| 121-14-2   | 2,4-Dinitrotoluene         | 1.50  | U         | 1.50 | 6.00       | ug/L  |
| 84-66-2    | Diethylphthalate           | 0.82  | U         | 0.82 | 6.00       | ug/L  |
| 7005-72-3  | 4-Chlorophenyl-phenylether | 0.81  | U         | 0.81 | 6.00       | ug/L  |
| 86-73-7    | Fluorene                   | 0.75  | U         | 0.75 | 6.00       | ug/L  |
| 100-01-6   | 4-Nitroaniline             | 1.80  | U         | 1.80 | 6.00       | ug/L  |
| 534-52-1   | 4,6-Dinitro-2-methylphenol | 3.40  | U         | 3.40 | 11.9       | ug/L  |
| 86-30-6    | n-Nitrosodiphenylamine     | 0.69  | U         | 0.69 | 6.00       | ug/L  |
| 101-55-3   | 4-Bromophenyl-phenylether  | 0.48  | U         | 0.48 | 6.00       | ug/L  |
| 118-74-1   | Hexachlorobenzene          | 0.62  | U         | 0.62 | 6.00       | ug/L  |
| 1912-24-9  | Atrazine                   | 1.20  | U         | 1.20 | 6.00       | ug/L  |
| 87-86-5    | Pentachlorophenol          | 1.90  | U         | 1.90 | 11.9       | ug/L  |
| 85-01-8    | Phenanthrene               | 0.60  | U         | 0.60 | 6.00       | ug/L  |
| 120-12-7   | Anthracene                 | 0.73  | U         | 0.73 | 6.00       | ug/L  |
| 86-74-8    | Carbazole                  | 0.86  | U         | 0.86 | 6.00       | ug/L  |
| 84-74-2    | Di-n-butylphthalate        | 1.50  | U         | 1.50 | 6.00       | ug/L  |
| 206-44-0   | Fluoranthene               | 0.98  | U         | 0.98 | 6.00       | ug/L  |
| 129-00-0   | Pyrene                     | 0.60  | U         | 0.60 | 6.00       | ug/L  |
| 85-68-7    | Butylbenzylphthalate       | 2.30  | U         | 2.30 | 6.00       | ug/L  |
| 91-94-1    | 3,3-Dichlorobenzidine      | 1.10  | UQ        | 1.10 | 11.9       | ug/L  |
| 56-55-3    | Benzo(a)anthracene         | 0.54  | U         | 0.54 | 6.00       | ug/L  |
| 218-01-9   | Chrysene                   | 0.52  | U         | 0.52 | 6.00       | ug/L  |
| 117-81-7   | Bis(2-ethylhexyl)phthalate | 1.90  | U         | 1.90 | 6.00       | ug/L  |
| 117-84-0   | Di-n-octyl phthalate       | 2.80  | U         | 2.80 | 11.9       | ug/L  |

## Report of Analysis

|                    |                  |                 |               |
|--------------------|------------------|-----------------|---------------|
| Client:            | G Environmental  | Date Collected: | 05/02/25      |
| Project:           | Amsterdam        | Date Received:  | 05/02/25      |
| Client Sample ID:  | GB3W             | SDG No.:        | Q1945         |
| Lab Sample ID:     | Q1945-02         | Matrix:         | Water         |
| Analytical Method: | SW8270           | % Solid:        | 0             |
| Sample Wt/Vol:     | 840 Units: mL    | Final Vol:      | 1000 uL       |
| Soil Aliquot Vol:  | uL               | Test:           | SVOCMS Group1 |
| Extraction Type :  | Decanted : N     | Level :         | LOW           |
| Injection Volume : | GPC Factor : 1.0 | GPC Cleanup :   | N PH :        |
| Prep Method :      | SW3510C          |                 |               |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BM050135.D        | 1         | 05/07/25 08:53 | 05/07/25 15:05 | PB167889      |

| CAS Number | Parameter                  | Conc. | Qualifier | MDL  | LOQ / CRQL | Units |
|------------|----------------------------|-------|-----------|------|------------|-------|
| 205-99-2   | Benzo(b)fluoranthene       | 0.58  | U         | 0.58 | 6.00       | ug/L  |
| 207-08-9   | Benzo(k)fluoranthene       | 0.57  | U         | 0.57 | 6.00       | ug/L  |
| 50-32-8    | Benzo(a)pyrene             | 0.65  | U         | 0.65 | 6.00       | ug/L  |
| 193-39-5   | Indeno(1,2,3-cd)pyrene     | 0.70  | U         | 0.70 | 6.00       | ug/L  |
| 53-70-3    | Dibenzo(a,h)anthracene     | 0.80  | U         | 0.80 | 6.00       | ug/L  |
| 191-24-2   | Benzo(g,h,i)perylene       | 0.82  | U         | 0.82 | 6.00       | ug/L  |
| 95-94-3    | 1,2,4,5-Tetrachlorobenzene | 0.62  | U         | 0.62 | 6.00       | ug/L  |
| 123-91-1   | 1,4-Dioxane                | 1.20  | U         | 1.20 | 6.00       | ug/L  |
| 58-90-2    | 2,3,4,6-Tetrachlorophenol  | 0.86  | U         | 0.86 | 6.00       | ug/L  |

### SURROGATES

|            |                      |      |  |                     |      |          |
|------------|----------------------|------|--|---------------------|------|----------|
| 367-12-4   | 2-Fluorophenol       | 81.7 |  | 15 (10) - 110 (139) | 54%  | SPK: 150 |
| 13127-88-3 | Phenol-d6            | 54.3 |  | 15 (10) - 110 (134) | 36%  | SPK: 150 |
| 4165-60-0  | Nitrobenzene-d5      | 81.4 |  | 30 (49) - 130 (133) | 81%  | SPK: 100 |
| 321-60-8   | 2-Fluorobiphenyl     | 76.8 |  | 30 (52) - 130 (132) | 77%  | SPK: 100 |
| 118-79-6   | 2,4,6-Tribromophenol | 158  |  | 15 (44) - 110 (137) | 105% | SPK: 150 |
| 1718-51-0  | Terphenyl-d14        | 82.9 |  | 30 (48) - 130 (125) | 83%  | SPK: 100 |

### INTERNAL STANDARDS

|            |                        |         |        |
|------------|------------------------|---------|--------|
| 3855-82-1  | 1,4-Dichlorobenzene-d4 | 243000  | 7.745  |
| 1146-65-2  | Naphthalene-d8         | 891000  | 10.539 |
| 15067-26-2 | Acenaphthene-d10       | 636000  | 14.392 |
| 1517-22-2  | Phenanthrene-d10       | 1260000 | 17.145 |
| 1719-03-5  | Chrysene-d12           | 1190000 | 21.386 |
| 1520-96-3  | Perylene-d12           | 1260000 | 24.385 |

### TENTATIVE IDENTIFIED COMPOUNDS

|             |                                    |      |    |      |      |
|-------------|------------------------------------|------|----|------|------|
| 000123-42-2 | 2-Pentanone, 4-hydroxy-4-methyl-   | 9.00 | AB | 4.86 | ug/L |
| 000874-41-9 | Benzene, 1-ethyl-2,4-dimethyl-     | 5.90 | J  | 8.85 | ug/L |
| 001587-04-8 | Benzene, 1-methyl-2-(2-propenyl)-  | 8.70 | J  | 9.94 | ug/L |
| 056253-64-6 | Benzene, (2-methyl-1-butenyl)-     | 4.70 | J  | 10.7 | ug/L |
| 006682-71-9 | 1H-Indene, 2,3-dihydro-4,7-dimethy | 4.30 | J  | 11.6 | ug/L |
| 000700-12-9 | Benzene, pentamethyl-              | 4.80 | J  | 11.9 | ug/L |

## Report of Analysis

|                    |                       |                 |               |
|--------------------|-----------------------|-----------------|---------------|
| Client:            | G Environmental       | Date Collected: | 05/02/25      |
| Project:           | Amsterdam             | Date Received:  | 05/02/25      |
| Client Sample ID:  | GB3W                  | SDG No.:        | Q1945         |
| Lab Sample ID:     | Q1945-02              | Matrix:         | Water         |
| Analytical Method: | SW8270                | % Solid:        | 0             |
| Sample Wt/Vol:     | 840      Units:    mL | Final Vol:      | 1000      uL  |
| Soil Aliquot Vol:  | uL                    | Test:           | SVOCMS Group1 |
| Extraction Type :  | Decanted :    N       | Level :         | LOW           |
| Injection Volume : | GPC Factor :    1.0   | GPC Cleanup :   | N      PH :   |
| Prep Method :      | SW3510C               |                 |               |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BM050135.D        | 1         | 05/07/25 08:53 | 05/07/25 15:05 | PB167889      |

| CAS Number   | Parameter                          | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|--------------|------------------------------------|-------|-----------|-----|------------|-------|
| 000083-33-0  | 1H-Inden-1-one, 2,3-dihydro-       | 6.40  | J         |     | 11.9       | ug/L  |
|              | unknown12.398                      | 8.00  | J         |     | 12.4       | ug/L  |
|              | unknown12.933                      | 6.40  | J         |     | 12.9       | ug/L  |
| 000582-16-1  | Naphthalene, 2,7-dimethyl-         | 6.60  | J         |     | 13.6       | ug/L  |
| 1000382-54-3 | Carbonic acid, eicosyl vinyl ester | 5.10  | J         |     | 13.9       | ug/L  |
| 002245-38-7  | Naphthalene, 1,6,7-trimethyl-      | 5.30  | J         |     | 14.8       | ug/L  |
| 000829-26-5  | Naphthalene, 2,3,6-trimethyl-      | 5.30  | J         |     | 15.0       | ug/L  |
| 001560-96-9  | Tridecane, 2-methyl-               | 7.40  | J         |     | 15.7       | ug/L  |
| 000119-61-9  | Benzophenone                       | 6.80  | J         |     | 15.8       | ug/L  |
| 006418-41-3  | Tridecane, 3-methyl-               | 17.6  | J         |     | 16.1       | ug/L  |
| 000629-50-5  | Tridecane                          | 5.40  | J         |     | 17.0       | ug/L  |
| 000057-10-3  | n-Hexadecanoic acid                | 15.5  | J         |     | 18.0       | ug/L  |
| 021771-74-4  | 1-Hydroxy-4-methyl-2-oxo-1,2-dihyd | 6.10  | J         |     | 18.1       | ug/L  |
| 000057-11-4  | Octadecanoic acid                  | 5.40  | J         |     | 19.3       | ug/L  |

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: | 05/02/25      |
| Project:           | Amsterdam             | Date Received:  | 05/02/25      |
| Client Sample ID:  | GB3WDL                | SDG No.:        | Q1945         |
| Lab Sample ID:     | Q1945-02DL            | Matrix:         | Water         |
| Analytical Method: | SW8270                | % Solid:        | 0             |
| Sample Wt/Vol:     | 840      Units:    mL | Final Vol:      | 1000      uL  |
| Soil Aliquot Vol:  | uL                    | Test:           | SVOCMS Group1 |
| Extraction Type :  | Decanted :    N       | Level :         | LOW           |
| Injection Volume : | GPC Factor :    1.0   | GPC Cleanup :   | N      PH :   |
| Prep Method :      | SW3510C               |                 |               |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BM050138.D        | 5         | 05/07/25 08:53 | 05/07/25 17:03 | PB167889      |

| CAS Number     | Parameter                   | Conc. | Qualifier | MDL  | LOQ / CRQL | Units |
|----------------|-----------------------------|-------|-----------|------|------------|-------|
| <b>TARGETS</b> |                             |       |           |      |            |       |
| 100-52-7       | Benzaldehyde                | 23.3  | UD        | 23.3 | 59.5       | ug/L  |
| 62-53-3        | Aniline                     | 8.80  | UD        | 8.80 | 29.8       | ug/L  |
| 108-95-2       | Phenol                      | 5.40  | UD        | 5.40 | 29.8       | ug/L  |
| 111-44-4       | bis(2-Chloroethyl)ether     | 4.80  | UD        | 4.80 | 29.8       | ug/L  |
| 95-57-8        | 2-Chlorophenol              | 3.50  | UD        | 3.50 | 29.8       | ug/L  |
| 95-48-7        | 2-Methylphenol              | 6.70  | UD        | 6.70 | 29.8       | ug/L  |
| 108-60-1       | 2,2-oxybis(1-Chloropropane) | 7.60  | UD        | 7.60 | 29.8       | ug/L  |
| 98-86-2        | Acetophenone                | 4.40  | UD        | 4.40 | 29.8       | ug/L  |
| 65794-96-9     | 3+4-Methylphenols           | 6.50  | UD        | 6.50 | 59.5       | ug/L  |
| 621-64-7       | n-Nitroso-di-n-propylamine  | 8.40  | UD        | 8.40 | 14.9       | ug/L  |
| 67-72-1        | Hexachloroethane            | 3.90  | UD        | 3.90 | 29.8       | ug/L  |
| 98-95-3        | Nitrobenzene                | 4.50  | UD        | 4.50 | 29.8       | ug/L  |
| 78-59-1        | Isophorone                  | 4.50  | UD        | 4.50 | 29.8       | ug/L  |
| 88-75-5        | 2-Nitrophenol               | 10.5  | UD        | 10.5 | 29.8       | ug/L  |
| 105-67-9       | 2,4-Dimethylphenol          | 11.0  | UD        | 11.0 | 29.8       | ug/L  |
| 111-91-1       | bis(2-Chloroethoxy)methane  | 4.00  | UD        | 4.00 | 29.8       | ug/L  |
| 120-83-2       | 2,4-Dichlorophenol          | 3.10  | UD        | 3.10 | 29.8       | ug/L  |
| 91-20-3        | Naphthalene                 | 3.00  | UD        | 3.00 | 29.8       | ug/L  |
| 106-47-8       | 4-Chloroaniline             | 5.00  | UDQ       | 5.00 | 29.8       | ug/L  |
| 87-68-3        | Hexachlorobutadiene         | 3.20  | UD        | 3.20 | 29.8       | ug/L  |
| 105-60-2       | Caprolactam                 | 170   | D         | 6.70 | 59.5       | ug/L  |
| 59-50-7        | 4-Chloro-3-methylphenol     | 3.50  | UD        | 3.50 | 29.8       | ug/L  |
| 91-57-6        | 2-Methylnaphthalene         | 3.30  | UD        | 3.30 | 29.8       | ug/L  |
| 77-47-4        | Hexachlorocyclopentadiene   | 21.6  | UD        | 21.6 | 59.5       | ug/L  |
| 88-06-2        | 2,4,6-Trichlorophenol       | 3.00  | UD        | 3.00 | 29.8       | ug/L  |
| 95-95-4        | 2,4,5-Trichlorophenol       | 3.70  | UD        | 3.70 | 29.8       | ug/L  |
| 92-52-4        | 1,1-Biphenyl                | 3.20  | UD        | 3.20 | 29.8       | ug/L  |
| 91-58-7        | 2-Chloronaphthalene         | 3.60  | UD        | 3.60 | 29.8       | ug/L  |
| 88-74-4        | 2-Nitroaniline              | 7.50  | UD        | 7.50 | 29.8       | ug/L  |

### Report of Analysis

|                    |                       |                 |               |
|--------------------|-----------------------|-----------------|---------------|
| Client:            | G Environmental       | Date Collected: | 05/02/25      |
| Project:           | Amsterdam             | Date Received:  | 05/02/25      |
| Client Sample ID:  | GB3WDL                | SDG No.:        | Q1945         |
| Lab Sample ID:     | Q1945-02DL            | Matrix:         | Water         |
| Analytical Method: | SW8270                | % Solid:        | 0             |
| Sample Wt/Vol:     | 840      Units:    mL | Final Vol:      | 1000      uL  |
| Soil Aliquot Vol:  | uL                    | Test:           | SVOCMS Group1 |
| Extraction Type :  | Decanted :    N       | Level :         | LOW           |
| Injection Volume : | GPC Factor :    1.0   | GPC Cleanup :   | N      PH :   |
| Prep Method :      | SW3510C               |                 |               |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BM050138.D        | 5         | 05/07/25 08:53 | 05/07/25 17:03 | PB167889      |

| CAS Number | Parameter                  | Conc. | Qualifier | MDL  | LOQ / CRQL | Units |
|------------|----------------------------|-------|-----------|------|------------|-------|
| 131-11-3   | Dimethylphthalate          | 3.60  | UD        | 3.60 | 29.8       | ug/L  |
| 208-96-8   | Acenaphthylene             | 4.50  | UD        | 4.50 | 29.8       | ug/L  |
| 606-20-2   | 2,6-Dinitrotoluene         | 5.50  | UD        | 5.50 | 29.8       | ug/L  |
| 99-09-2    | 3-Nitroaniline             | 6.30  | UDQ       | 6.30 | 29.8       | ug/L  |
| 83-32-9    | Acenaphthene               | 3.30  | UD        | 3.30 | 29.8       | ug/L  |
| 51-28-5    | 2,4-Dinitrophenol          | 35.5  | UD        | 35.5 | 59.5       | ug/L  |
| 100-02-7   | 4-Nitrophenol              | 14.2  | UD        | 14.2 | 59.5       | ug/L  |
| 132-64-9   | Dibenzofuran               | 3.60  | UD        | 3.60 | 29.8       | ug/L  |
| 121-14-2   | 2,4-Dinitrotoluene         | 7.30  | UD        | 7.30 | 29.8       | ug/L  |
| 84-66-2    | Diethylphthalate           | 4.10  | UD        | 4.10 | 29.8       | ug/L  |
| 7005-72-3  | 4-Chlorophenyl-phenylether | 4.00  | UD        | 4.00 | 29.8       | ug/L  |
| 86-73-7    | Fluorene                   | 3.80  | UD        | 3.80 | 29.8       | ug/L  |
| 100-01-6   | 4-Nitroaniline             | 8.90  | UD        | 8.90 | 29.8       | ug/L  |
| 534-52-1   | 4,6-Dinitro-2-methylphenol | 17.1  | UD        | 17.1 | 59.5       | ug/L  |
| 86-30-6    | n-Nitrosodiphenylamine     | 3.50  | UD        | 3.50 | 29.8       | ug/L  |
| 101-55-3   | 4-Bromophenyl-phenylether  | 2.40  | UD        | 2.40 | 29.8       | ug/L  |
| 118-74-1   | Hexachlorobenzene          | 3.10  | UD        | 3.10 | 29.8       | ug/L  |
| 1912-24-9  | Atrazine                   | 6.00  | UD        | 6.00 | 29.8       | ug/L  |
| 87-86-5    | Pentachlorophenol          | 9.40  | UD        | 9.40 | 59.5       | ug/L  |
| 85-01-8    | Phenanthrene               | 3.00  | UD        | 3.00 | 29.8       | ug/L  |
| 120-12-7   | Anthracene                 | 3.60  | UD        | 3.60 | 29.8       | ug/L  |
| 86-74-8    | Carbazole                  | 4.30  | UD        | 4.30 | 29.8       | ug/L  |
| 84-74-2    | Di-n-butylphthalate        | 7.30  | UD        | 7.30 | 29.8       | ug/L  |
| 206-44-0   | Fluoranthene               | 4.90  | UD        | 4.90 | 29.8       | ug/L  |
| 129-00-0   | Pyrene                     | 3.00  | UD        | 3.00 | 29.8       | ug/L  |
| 85-68-7    | Butylbenzylphthalate       | 11.5  | UD        | 11.5 | 29.8       | ug/L  |
| 91-94-1    | 3,3-Dichlorobenzidine      | 5.50  | UDQ       | 5.50 | 59.5       | ug/L  |
| 56-55-3    | Benzo(a)anthracene         | 2.70  | UD        | 2.70 | 29.8       | ug/L  |
| 218-01-9   | Chrysene                   | 2.60  | UD        | 2.60 | 29.8       | ug/L  |
| 117-81-7   | Bis(2-ethylhexyl)phthalate | 9.50  | UD        | 9.50 | 29.8       | ug/L  |
| 117-84-0   | Di-n-octyl phthalate       | 13.9  | UD        | 13.9 | 59.5       | ug/L  |

## Report of Analysis

|                    |                       |                 |               |
|--------------------|-----------------------|-----------------|---------------|
| Client:            | G Environmental       | Date Collected: | 05/02/25      |
| Project:           | Amsterdam             | Date Received:  | 05/02/25      |
| Client Sample ID:  | GB3WDL                | SDG No.:        | Q1945         |
| Lab Sample ID:     | Q1945-02DL            | Matrix:         | Water         |
| Analytical Method: | SW8270                | % Solid:        | 0             |
| Sample Wt/Vol:     | 840      Units:    mL | Final Vol:      | 1000      uL  |
| Soil Aliquot Vol:  | uL                    | Test:           | SVOCMS Group1 |
| Extraction Type :  | Decanted :    N       | Level :         | LOW           |
| Injection Volume : | GPC Factor :    1.0   | GPC Cleanup :   | N      PH :   |
| Prep Method :      | SW3510C               |                 |               |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BM050138.D        | 5         | 05/07/25 08:53 | 05/07/25 17:03 | PB167889      |

| CAS Number                | Parameter                  | Conc.   | Qualifier | MDL                 | LOQ / CRQL | Units    |
|---------------------------|----------------------------|---------|-----------|---------------------|------------|----------|
| 205-99-2                  | Benzo(b)fluoranthene       | 2.90    | UD        | 2.90                | 29.8       | ug/L     |
| 207-08-9                  | Benzo(k)fluoranthene       | 2.90    | UD        | 2.90                | 29.8       | ug/L     |
| 50-32-8                   | Benzo(a)pyrene             | 3.30    | UD        | 3.30                | 29.8       | ug/L     |
| 193-39-5                  | Indeno(1,2,3-cd)pyrene     | 3.50    | UD        | 3.50                | 29.8       | ug/L     |
| 53-70-3                   | Dibenzo(a,h)anthracene     | 4.00    | UD        | 4.00                | 29.8       | ug/L     |
| 191-24-2                  | Benzo(g,h,i)perylene       | 4.10    | UD        | 4.10                | 29.8       | ug/L     |
| 95-94-3                   | 1,2,4,5-Tetrachlorobenzene | 3.10    | UD        | 3.10                | 29.8       | ug/L     |
| 123-91-1                  | 1,4-Dioxane                | 6.00    | UD        | 6.00                | 29.8       | ug/L     |
| 58-90-2                   | 2,3,4,6-Tetrachlorophenol  | 4.30    | UD        | 4.30                | 29.8       | ug/L     |
| <b>SURROGATES</b>         |                            |         |           |                     |            |          |
| 367-12-4                  | 2-Fluorophenol             | 80.4    |           | 15 (10) - 110 (139) | 54%        | SPK: 150 |
| 13127-88-3                | Phenol-d6                  | 50.8    |           | 15 (10) - 110 (134) | 34%        | SPK: 150 |
| 4165-60-0                 | Nitrobenzene-d5            | 79.2    |           | 30 (49) - 130 (133) | 79%        | SPK: 100 |
| 321-60-8                  | 2-Fluorobiphenyl           | 75.4    |           | 30 (52) - 130 (132) | 75%        | SPK: 100 |
| 118-79-6                  | 2,4,6-Tribromophenol       | 134     |           | 15 (44) - 110 (137) | 89%        | SPK: 150 |
| 1718-51-0                 | Terphenyl-d14              | 75.2    |           | 30 (48) - 130 (125) | 75%        | SPK: 100 |
| <b>INTERNAL STANDARDS</b> |                            |         |           |                     |            |          |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4     | 253000  | 7.745     |                     |            |          |
| 1146-65-2                 | Naphthalene-d8             | 949000  | 10.539    |                     |            |          |
| 15067-26-2                | Acenaphthene-d10           | 681000  | 14.392    |                     |            |          |
| 1517-22-2                 | Phenanthrene-d10           | 1370000 | 17.145    |                     |            |          |
| 1719-03-5                 | Chrysene-d12               | 1250000 | 21.386    |                     |            |          |
| 1520-96-3                 | Perylene-d12               | 1260000 | 24.385    |                     |            |          |

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.: **Q1945**

Client: **G Environmental**

Analytical Method: **8270E**

| Lab Sample ID | Client ID   | Parameter            | Spike (PPM) | Result (PPM) | Recovery (%) | Qual | Limits (%) |           |
|---------------|-------------|----------------------|-------------|--------------|--------------|------|------------|-----------|
|               |             |                      |             |              |              |      | Low        | High      |
| PB167889BL    | PB167889BL  | 2-Fluorophenol       | 150         | 134          | 90           |      | 15 (10)    | 110 (139) |
|               |             | Phenol-d6            | 150         | 128          | 85           |      | 15 (10)    | 110 (134) |
|               |             | Nitrobenzene-d5      | 100         | 78.9         | 79           |      | 30 (49)    | 130 (133) |
|               |             | 2-Fluorobiphenyl     | 100         | 80.6         | 81           |      | 30 (52)    | 130 (132) |
|               |             | 2,4,6-Tribromophenol | 150         | 129          | 86           |      | 15 (44)    | 110 (137) |
|               |             | Terphenyl-d14        | 100         | 92.2         | 92           |      | 30 (48)    | 130 (125) |
| PB167889BS    | PB167889BS  | 2-Fluorophenol       | 150         | 127          | 85           |      | 15 (10)    | 110 (139) |
|               |             | Phenol-d6            | 150         | 123          | 82           |      | 15 (10)    | 110 (134) |
|               |             | Nitrobenzene-d5      | 100         | 74.0         | 74           |      | 30 (49)    | 130 (133) |
|               |             | 2-Fluorobiphenyl     | 100         | 76.1         | 76           |      | 30 (52)    | 130 (132) |
|               |             | 2,4,6-Tribromophenol | 150         | 124          | 83           |      | 15 (44)    | 110 (137) |
|               |             | Terphenyl-d14        | 100         | 79.2         | 79           |      | 30 (48)    | 130 (125) |
| PB167889BSD   | PB167889BSD | 2-Fluorophenol       | 150         | 134          | 89           |      | 15 (10)    | 110 (139) |
|               |             | Phenol-d6            | 150         | 129          | 86           |      | 15 (10)    | 110 (134) |
|               |             | Nitrobenzene-d5      | 100         | 78.3         | 78           |      | 30 (49)    | 130 (133) |
|               |             | 2-Fluorobiphenyl     | 100         | 80.2         | 80           |      | 30 (52)    | 130 (132) |
|               |             | 2,4,6-Tribromophenol | 150         | 131          | 87           |      | 15 (44)    | 110 (137) |
|               |             | Terphenyl-d14        | 100         | 85.8         | 86           |      | 30 (48)    | 130 (125) |
| Q1945-01      | GB1W        | 2-Fluorophenol       | 150         | 72.9         | 49           |      | 15 (10)    | 110 (139) |
|               |             | Phenol-d6            | 150         | 45.5         | 30           |      | 15 (10)    | 110 (134) |
|               |             | Nitrobenzene-d5      | 100         | 84.8         | 85           |      | 30 (49)    | 130 (133) |
|               |             | 2-Fluorobiphenyl     | 100         | 80.9         | 81           |      | 30 (52)    | 130 (132) |
|               |             | 2,4,6-Tribromophenol | 150         | 161          | 107          |      | 15 (44)    | 110 (137) |
|               |             | Terphenyl-d14        | 100         | 92.5         | 92           |      | 30 (48)    | 130 (125) |
| Q1945-01DL    | GB1WDL      | 2-Fluorophenol       | 150         | 71.2         | 47           |      | 15 (10)    | 110 (139) |
|               |             | Phenol-d6            | 150         | 39.7         | 26           |      | 15 (10)    | 110 (134) |
|               |             | Nitrobenzene-d5      | 100         | 81.4         | 81           |      | 30 (49)    | 130 (133) |
|               |             | 2-Fluorobiphenyl     | 100         | 78.5         | 79           |      | 30 (52)    | 130 (132) |
|               |             | 2,4,6-Tribromophenol | 150         | 134          | 89           |      | 15 (44)    | 110 (137) |
|               |             | Terphenyl-d14        | 100         | 80.2         | 80           |      | 30 (48)    | 130 (125) |
| Q1945-02      | GB3W        | 2-Fluorophenol       | 150         | 81.7         | 54           |      | 15 (10)    | 110 (139) |
|               |             | Phenol-d6            | 150         | 54.3         | 36           |      | 15 (10)    | 110 (134) |
|               |             | Nitrobenzene-d5      | 100         | 81.4         | 81           |      | 30 (49)    | 130 (133) |
|               |             | 2-Fluorobiphenyl     | 100         | 76.8         | 77           |      | 30 (52)    | 130 (132) |
|               |             | 2,4,6-Tribromophenol | 150         | 158          | 105          |      | 15 (44)    | 110 (137) |
|               |             | Terphenyl-d14        | 100         | 82.9         | 83           |      | 30 (48)    | 130 (125) |
| Q1945-02DL    | GB3WDL      | 2-Fluorophenol       | 150         | 80.4         | 54           |      | 15 (10)    | 110 (139) |
|               |             | Phenol-d6            | 150         | 50.8         | 34           |      | 15 (10)    | 110 (134) |
|               |             | Nitrobenzene-d5      | 100         | 79.2         | 79           |      | 30 (49)    | 130 (133) |
|               |             | 2-Fluorobiphenyl     | 100         | 75.4         | 75           |      | 30 (52)    | 130 (132) |
|               |             | 2,4,6-Tribromophenol | 150         | 134          | 89           |      | 15 (44)    | 110 (137) |
|               |             | Terphenyl-d14        | 100         | 75.2         | 75           |      | 30 (48)    | 130 (125) |



## Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1945

Client: G Environmental

Analytical Method: 8270E

DataFile: BM050142.D

| Lab Sample ID | Parameter                   | Spike | Result | Unit | Rec | RPD | Qual | RPD  |         | Limits    |     |
|---------------|-----------------------------|-------|--------|------|-----|-----|------|------|---------|-----------|-----|
|               |                             |       |        |      |     |     |      | Qual | Low     | High      | RPD |
| PB167889BS    | Benzaldehyde                | 50    | 23.0   | ug/L | 46  |     |      |      | 20 (10) | 160 (162) |     |
|               | Aniline                     | 50    | 28.0   | ug/L | 56  |     |      |      | 20 (10) | 160 (130) |     |
|               | Phenol                      | 50    | 42.9   | ug/L | 86  |     |      |      | 20 (66) | 160 (118) |     |
|               | bis(2-Chloroethyl)ether     | 50    | 40.5   | ug/L | 81  |     |      |      | 70 (62) | 130 (103) |     |
|               | 2-Chlorophenol              | 50    | 42.6   | ug/L | 85  |     |      |      | 70 (70) | 130 (117) |     |
|               | 2-Methylphenol              | 50    | 41.7   | ug/L | 83  |     |      |      | 70 (69) | 130 (109) |     |
|               | 2,2-oxybis(1-Chloropropane) | 50    | 40.9   | ug/L | 82  |     |      |      | 70 (65) | 130 (100) |     |
|               | Acetophenone                | 50    | 41.5   | ug/L | 83  |     |      |      | 70 (60) | 130 (104) |     |
|               | 3+4-Methylphenols           | 50    | 41.5   | ug/L | 83  |     |      |      | 20 (67) | 160 (106) |     |
|               | N-Nitroso-di-n-propylamine  | 50    | 39.6   | ug/L | 79  |     |      |      | 70 (57) | 130 (107) |     |
|               | Hexachloroethane            | 50    | 40.2   | ug/L | 80  |     |      |      | 20 (76) | 160 (118) |     |
|               | Nitrobenzene                | 50    | 42.3   | ug/L | 85  |     |      |      | 70 (58) | 130 (106) |     |
|               | Isophorone                  | 50    | 39.9   | ug/L | 80  |     |      |      | 70 (61) | 130 (102) |     |
|               | 2-Nitrophenol               | 50    | 43.8   | ug/L | 88  |     |      |      | 70 (70) | 130 (115) |     |
|               | 2,4-Dimethylphenol          | 50    | 42.9   | ug/L | 86  |     |      |      | 70 (42) | 130 (142) |     |
|               | bis(2-Chloroethoxy)methane  | 50    | 41.3   | ug/L | 83  |     |      |      | 70 (58) | 130 (109) |     |
|               | 2,4-Dichlorophenol          | 50    | 43.0   | ug/L | 86  |     |      |      | 70 (66) | 130 (115) |     |
|               | Naphthalene                 | 50    | 40.9   | ug/L | 82  |     |      |      | 70 (64) | 130 (107) |     |
|               | 4-Chloroaniline             | 50    | 17.7   | ug/L | 35  |     | *    |      | 70 (10) | 130 (85)  |     |
|               | Hexachlorobutadiene         | 50    | 41.9   | ug/L | 84  |     |      |      | 70 (69) | 130 (101) |     |
|               | Caprolactam                 | 50    | 37.4   | ug/L | 75  |     |      |      | 20 (58) | 160 (128) |     |
|               | 4-Chloro-3-methylphenol     | 50    | 40.8   | ug/L | 82  |     |      |      | 70 (65) | 130 (114) |     |
|               | 2-Methylnaphthalene         | 50    | 39.9   | ug/L | 80  |     |      |      | 70 (64) | 130 (107) |     |
|               | Hexachlorocyclopentadiene   | 100   | 95.8   | ug/L | 96  |     |      |      | 20 (36) | 160 (160) |     |
|               | 2,4,6-Trichlorophenol       | 50    | 44.8   | ug/L | 90  |     |      |      | 70 (61) | 130 (110) |     |
|               | 2,4,5-Trichlorophenol       | 50    | 44.3   | ug/L | 89  |     |      |      | 70 (70) | 130 (106) |     |
|               | 1,1-Biphenyl                | 50    | 43.2   | ug/L | 86  |     |      |      | 70 (72) | 130 (98)  |     |
|               | 2-Chloronaphthalene         | 50    | 42.9   | ug/L | 86  |     |      |      | 70 (59) | 130 (106) |     |
|               | 2-Nitroaniline              | 50    | 44.7   | ug/L | 89  |     |      |      | 70 (73) | 130 (114) |     |
|               | Dimethylphthalate           | 50    | 41.2   | ug/L | 82  |     |      |      | 70 (64) | 130 (103) |     |
|               | Acenaphthylene              | 50    | 42.3   | ug/L | 85  |     |      |      | 70 (79) | 130 (103) |     |
|               | 2,6-Dinitrotoluene          | 50    | 43.1   | ug/L | 86  |     |      |      | 70 (64) | 130 (110) |     |
|               | 3-Nitroaniline              | 50    | 24.8   | ug/L | 50  |     | *    |      | 70 (28) | 130 (100) |     |
|               | Acenaphthene                | 50    | 42.1   | ug/L | 84  |     |      |      | 70 (59) | 130 (113) |     |
|               | 2,4-Dinitrophenol           | 100   | 79.6   | ug/L | 80  |     |      |      | 20 (36) | 160 (166) |     |
|               | 4-Nitrophenol               | 100   | 75.7   | ug/L | 76  |     |      |      | 20 (45) | 160 (147) |     |
|               | Dibenzofuran                | 50    | 41.8   | ug/L | 84  |     |      |      | 70 (65) | 130 (106) |     |
|               | 2,4-Dinitrotoluene          | 50    | 42.9   | ug/L | 86  |     |      |      | 70 (60) | 130 (115) |     |
|               | Diethylphthalate            | 50    | 40.0   | ug/L | 80  |     |      |      | 70 (63) | 130 (105) |     |
|               | 4-Chlorophenyl-phenylether  | 50    | 41.7   | ug/L | 83  |     |      |      | 70 (61) | 130 (104) |     |
|               | Fluorene                    | 50    | 41.6   | ug/L | 83  |     |      |      | 70 (64) | 130 (107) |     |
|               | 4-Nitroaniline              | 50    | 38.0   | ug/L | 76  |     |      |      | 70 (55) | 130 (125) |     |
|               | 4,6-Dinitro-2-methylphenol  | 50    | 44.5   | ug/L | 89  |     |      |      | 70 (62) | 130 (132) |     |
|               | N-Nitrosodiphenylamine      | 50    | 45.5   | ug/L | 91  |     |      |      | 70 (61) | 130 (109) |     |

## Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1945

Client: G Environmental

Analytical Method: 8270E

DataFile: BM050142.D

| Lab Sample ID | Parameter                  | Spike | Result | Unit | Rec | RPD | Qual | RPD  | Limits  |           | RPD |
|---------------|----------------------------|-------|--------|------|-----|-----|------|------|---------|-----------|-----|
|               |                            |       |        |      |     |     |      | Qual | Low     | High      |     |
| PB167889BS    | 4-Bromophenyl-phenylether  | 50    | 44.3   | ug/L | 89  |     |      |      | 70 (73) | 130 (103) |     |
|               | Hexachlorobenzene          | 50    | 44.5   | ug/L | 89  |     |      |      | 70 (73) | 130 (106) |     |
|               | Atrazine                   | 50    | 43.7   | ug/L | 87  |     |      |      | 70 (76) | 130 (120) |     |
|               | Pentachlorophenol          | 100   | 95.9   | ug/L | 96  |     |      |      | 20 (47) | 160 (114) |     |
|               | Phenanthrene               | 50    | 43.2   | ug/L | 86  |     |      |      | 70 (62) | 130 (109) |     |
|               | Anthracene                 | 50    | 43.9   | ug/L | 88  |     |      |      | 70 (65) | 130 (110) |     |
|               | Carbazole                  | 50    | 43.3   | ug/L | 87  |     |      |      | 70 (62) | 130 (106) |     |
|               | Di-n-butylphthalate        | 50    | 42.6   | ug/L | 85  |     |      |      | 70 (64) | 130 (106) |     |
|               | Fluoranthene               | 50    | 42.4   | ug/L | 85  |     |      |      | 70 (64) | 130 (110) |     |
|               | Pyrene                     | 50    | 44.0   | ug/L | 88  |     |      |      | 70 (71) | 130 (103) |     |
|               | Butylbenzylphthalate       | 50    | 43.8   | ug/L | 88  |     |      |      | 70 (61) | 130 (105) |     |
|               | 3,3-Dichlorobenzidine      | 50    | 24.9   | ug/L | 50  |     | *    |      | 70 (43) | 130 (108) |     |
|               | Benzo(a)anthracene         | 50    | 43.8   | ug/L | 88  |     |      |      | 70 (62) | 130 (107) |     |
|               | Chrysene                   | 50    | 43.2   | ug/L | 86  |     |      |      | 70 (61) | 130 (108) |     |
|               | bis(2-Ethylhexyl)phthalate | 50    | 42.8   | ug/L | 86  |     |      |      | 70 (59) | 130 (110) |     |
|               | Di-n-octyl phthalate       | 50    | 43.7   | ug/L | 87  |     |      |      | 70 (52) | 130 (139) |     |
|               | Benzo(b)fluoranthene       | 50    | 43.5   | ug/L | 87  |     |      |      | 70 (77) | 130 (113) |     |
|               | Benzo(k)fluoranthene       | 50    | 42.0   | ug/L | 84  |     |      |      | 70 (77) | 130 (105) |     |
|               | Benzo(a)pyrene             | 50    | 43.9   | ug/L | 88  |     |      |      | 70 (72) | 130 (131) |     |
|               | Indeno(1,2,3-cd)pyrene     | 50    | 48.7   | ug/L | 97  |     |      |      | 70 (72) | 130 (105) |     |
|               | Dibenz(a,h)anthracene      | 50    | 49.0   | ug/L | 98  |     |      |      | 70 (78) | 130 (115) |     |
|               | Benzo(g,h,i)perylene       | 50    | 48.5   | ug/L | 97  |     |      |      | 70 (75) | 130 (118) |     |
|               | 1,2,4,5-Tetrachlorobenzene | 50    | 44.2   | ug/L | 88  |     |      |      | 70 (72) | 130 (101) |     |
|               | 1,4-Dioxane                | 50    | 33.9   | ug/L | 68  |     |      |      | 20 (38) | 160 (125) |     |
|               | 2,3,4,6-Tetrachlorophenol  | 50    | 41.9   | ug/L | 84  |     |      |      | 70 (63) | 130 (116) |     |

## Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1945

Client: G Environmental

Analytical Method: 8270E

DataFile: BM050143.D

| Lab Sample ID | Parameter                   | Spike | Result | Unit | Rec | RPD | RPD  |      | Limits  |           |         |
|---------------|-----------------------------|-------|--------|------|-----|-----|------|------|---------|-----------|---------|
|               |                             |       |        |      |     |     | Qual | Qual | Low     | High      | RPD     |
| PB167889BSD   | Benzaldehyde                | 50    | 23.2   | ug/L | 46  | 1   |      |      | 20 (10) | 160 (162) | 20 (20) |
|               | Aniline                     | 50    | 27.0   | ug/L | 54  | 4   |      |      | 20 (10) | 160 (130) | 20 (20) |
|               | Phenol                      | 50    | 43.7   | ug/L | 87  | 2   |      |      | 20 (66) | 160 (118) | 20 (20) |
|               | bis(2-Chloroethyl)ether     | 50    | 41.7   | ug/L | 83  | 3   |      |      | 70 (62) | 130 (103) | 20 (20) |
|               | 2-Chlorophenol              | 50    | 43.7   | ug/L | 87  | 3   |      |      | 70 (70) | 130 (117) | 20 (20) |
|               | 2-Methylphenol              | 50    | 42.7   | ug/L | 85  | 2   |      |      | 70 (69) | 130 (109) | 20 (20) |
|               | 2,2-oxybis(1-Chloropropane) | 50    | 41.6   | ug/L | 83  | 2   |      |      | 70 (65) | 130 (100) | 20 (20) |
|               | Acetophenone                | 50    | 42.8   | ug/L | 86  | 3   |      |      | 70 (60) | 130 (104) | 20 (20) |
|               | 3+4-Methylphenols           | 50    | 42.0   | ug/L | 84  | 1   |      |      | 20 (67) | 160 (106) | 20 (20) |
|               | N-Nitroso-di-n-propylamine  | 50    | 40.2   | ug/L | 80  | 2   |      |      | 70 (57) | 130 (107) | 20 (20) |
|               | Hexachloroethane            | 50    | 41.7   | ug/L | 83  | 4   |      |      | 20 (76) | 160 (118) | 20 (20) |
|               | Nitrobenzene                | 50    | 43.5   | ug/L | 87  | 3   |      |      | 70 (58) | 130 (106) | 20 (20) |
|               | Isophorone                  | 50    | 40.9   | ug/L | 82  | 2   |      |      | 70 (61) | 130 (102) | 20 (20) |
|               | 2-Nitrophenol               | 50    | 45.0   | ug/L | 90  | 3   |      |      | 70 (70) | 130 (115) | 20 (20) |
|               | 2,4-Dimethylphenol          | 50    | 44.0   | ug/L | 88  | 3   |      |      | 70 (42) | 130 (142) | 20 (20) |
|               | bis(2-Chloroethoxy)methane  | 50    | 42.0   | ug/L | 84  | 2   |      |      | 70 (58) | 130 (109) | 20 (20) |
|               | 2,4-Dichlorophenol          | 50    | 44.5   | ug/L | 89  | 3   |      |      | 70 (66) | 130 (115) | 20 (20) |
|               | Naphthalene                 | 50    | 42.4   | ug/L | 85  | 4   |      |      | 70 (64) | 130 (107) | 20 (20) |
|               | 4-Chloroaniline             | 50    | 16.2   | ug/L | 32  | 9   | *    |      | 70 (10) | 130 (85)  | 20 (20) |
|               | Hexachlorobutadiene         | 50    | 43.7   | ug/L | 87  | 4   |      |      | 70 (69) | 130 (101) | 20 (20) |
|               | Caprolactam                 | 50    | 37.8   | ug/L | 76  | 1   |      |      | 20 (58) | 160 (128) | 20 (20) |
|               | 4-Chloro-3-methylphenol     | 50    | 41.1   | ug/L | 82  | 1   |      |      | 70 (65) | 130 (114) | 20 (20) |
|               | 2-Methylnaphthalene         | 50    | 41.1   | ug/L | 82  | 3   |      |      | 70 (64) | 130 (107) | 20 (20) |
|               | Hexachlorocyclopentadiene   | 100   | 98.8   | ug/L | 99  | 3   |      |      | 20 (36) | 160 (160) | 20 (20) |
|               | 2,4,6-Trichlorophenol       | 50    | 45.6   | ug/L | 91  | 2   |      |      | 70 (61) | 130 (110) | 20 (20) |
|               | 2,4,5-Trichlorophenol       | 50    | 45.8   | ug/L | 92  | 3   |      |      | 70 (70) | 130 (106) | 20 (20) |
|               | 1,1-Biphenyl                | 50    | 44.4   | ug/L | 89  | 3   |      |      | 70 (72) | 130 (98)  | 20 (20) |
|               | 2-Chloronaphthalene         | 50    | 44.6   | ug/L | 89  | 4   |      |      | 70 (59) | 130 (106) | 20 (20) |
|               | 2-Nitroaniline              | 50    | 45.7   | ug/L | 91  | 2   |      |      | 70 (73) | 130 (114) | 20 (20) |
|               | Dimethylphthalate           | 50    | 42.1   | ug/L | 84  | 2   |      |      | 70 (64) | 130 (103) | 20 (20) |
|               | Acenaphthylene              | 50    | 43.5   | ug/L | 87  | 3   |      |      | 70 (79) | 130 (103) | 20 (20) |
|               | 2,6-Dinitrotoluene          | 50    | 43.9   | ug/L | 88  | 2   |      |      | 70 (64) | 130 (110) | 20 (20) |
|               | 3-Nitroaniline              | 50    | 23.6   | ug/L | 47  | 5   | *    |      | 70 (28) | 130 (100) | 20 (20) |
|               | Acenaphthene                | 50    | 43.4   | ug/L | 87  | 3   |      |      | 70 (59) | 130 (113) | 20 (20) |
|               | 2,4-Dinitrophenol           | 100   | 81.0   | ug/L | 81  | 2   |      |      | 20 (36) | 160 (166) | 20 (20) |
|               | 4-Nitrophenol               | 100   | 75.5   | ug/L | 76  | 0   |      |      | 20 (45) | 160 (147) | 20 (20) |
|               | Dibenzofuran                | 50    | 42.6   | ug/L | 85  | 2   |      |      | 70 (65) | 130 (106) | 20 (20) |
|               | 2,4-Dinitrotoluene          | 50    | 43.4   | ug/L | 87  | 1   |      |      | 70 (60) | 130 (115) | 20 (20) |
|               | Diethylphthalate            | 50    | 40.7   | ug/L | 81  | 2   |      |      | 70 (63) | 130 (105) | 20 (20) |
|               | 4-Chlorophenyl-phenylether  | 50    | 42.7   | ug/L | 85  | 2   |      |      | 70 (61) | 130 (104) | 20 (20) |
|               | Fluorene                    | 50    | 42.4   | ug/L | 85  | 2   |      |      | 70 (64) | 130 (107) | 20 (20) |
|               | 4-Nitroaniline              | 50    | 37.3   | ug/L | 75  | 2   |      |      | 70 (55) | 130 (125) | 20 (20) |
|               | 4,6-Dinitro-2-methylphenol  | 50    | 45.5   | ug/L | 91  | 2   |      |      | 70 (62) | 130 (132) | 20 (20) |
|               | N-Nitrosodiphenylamine      | 50    | 46.2   | ug/L | 92  | 2   |      |      | 70 (61) | 130 (109) | 20 (20) |

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

SW-846

SDG No.: Q1945

Client: G Environmental

Analytical Method: 8270E

DataFile: BM050143.D

| Lab Sample ID | Parameter                  | Spike | Result | Unit | Rec | RPD | RPD  |      | Limits  |           |         |
|---------------|----------------------------|-------|--------|------|-----|-----|------|------|---------|-----------|---------|
|               |                            |       |        |      |     |     | Qual | Qual | Low     | High      | RPD     |
| PB167889BSD   | 4-Bromophenyl-phenylether  | 50    | 45.6   | ug/L | 91  | 3   |      |      | 70 (73) | 130 (103) | 20 (20) |
|               | Hexachlorobenzene          | 50    | 45.6   | ug/L | 91  | 2   |      |      | 70 (73) | 130 (106) | 20 (20) |
|               | Atrazine                   | 50    | 44.0   | ug/L | 88  | 1   |      |      | 70 (76) | 130 (120) | 20 (20) |
|               | Pentachlorophenol          | 100   | 97.1   | ug/L | 97  | 1   |      |      | 20 (47) | 160 (114) | 20 (20) |
|               | Phenanthrene               | 50    | 44.3   | ug/L | 89  | 3   |      |      | 70 (62) | 130 (109) | 20 (20) |
|               | Anthracene                 | 50    | 44.6   | ug/L | 89  | 2   |      |      | 70 (65) | 130 (110) | 20 (20) |
|               | Carbazole                  | 50    | 44.0   | ug/L | 88  | 2   |      |      | 70 (62) | 130 (106) | 20 (20) |
|               | Di-n-butylphthalate        | 50    | 43.1   | ug/L | 86  | 1   |      |      | 70 (64) | 130 (106) | 20 (20) |
|               | Fluoranthene               | 50    | 42.5   | ug/L | 85  | 0   |      |      | 70 (64) | 130 (110) | 20 (20) |
|               | Pyrene                     | 50    | 46.5   | ug/L | 93  | 6   |      |      | 70 (71) | 130 (103) | 20 (20) |
|               | Butylbenzylphthalate       | 50    | 45.3   | ug/L | 91  | 3   |      |      | 70 (61) | 130 (105) | 20 (20) |
|               | 3,3-Dichlorobenzidine      | 50    | 25.0   | ug/L | 50  | 0   | *    |      | 70 (43) | 130 (108) | 20 (20) |
|               | Benzo(a)anthracene         | 50    | 45.0   | ug/L | 90  | 3   |      |      | 70 (62) | 130 (107) | 20 (20) |
|               | Chrysene                   | 50    | 44.3   | ug/L | 89  | 3   |      |      | 70 (61) | 130 (108) | 20 (20) |
|               | bis(2-Ethylhexyl)phthalate | 50    | 44.2   | ug/L | 88  | 3   |      |      | 70 (59) | 130 (110) | 20 (20) |
|               | Di-n-octyl phthalate       | 50    | 44.4   | ug/L | 89  | 2   |      |      | 70 (52) | 130 (139) | 20 (20) |
|               | Benzo(b)fluoranthene       | 50    | 44.1   | ug/L | 88  | 1   |      |      | 70 (77) | 130 (113) | 20 (20) |
|               | Benzo(k)fluoranthene       | 50    | 43.1   | ug/L | 86  | 3   |      |      | 70 (77) | 130 (105) | 20 (20) |
|               | Benzo(a)pyrene             | 50    | 44.6   | ug/L | 89  | 2   |      |      | 70 (72) | 130 (131) | 20 (20) |
|               | Indeno(1,2,3-cd)pyrene     | 50    | 50.2   | ug/L | 100 | 3   |      |      | 70 (72) | 130 (105) | 20 (20) |
|               | Dibenz(a,h)anthracene      | 50    | 50.4   | ug/L | 101 | 3   |      |      | 70 (78) | 130 (115) | 20 (20) |
|               | Benzo(g,h,i)perylene       | 50    | 50.4   | ug/L | 101 | 4   |      |      | 70 (75) | 130 (118) | 20 (20) |
|               | 1,2,4,5-Tetrachlorobenzene | 50    | 45.8   | ug/L | 92  | 4   |      |      | 70 (72) | 130 (101) | 20 (20) |
|               | 1,4-Dioxane                | 50    | 35.6   | ug/L | 71  | 5   |      |      | 20 (38) | 160 (125) | 20 (20) |
|               | 2,3,4,6-Tetrachlorophenol  | 50    | 42.9   | ug/L | 86  | 2   |      |      | 70 (63) | 130 (116) | 20 (20) |

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB167889BL

Lab Name: CHEMTECH

Contract: GENV01

Lab Code: CHEM Case No.: Q1945

SAS No.: Q1945 SDG NO.: Q1945

Lab File ID: BM050141.D

Lab Sample ID: PB167889BL

Instrument ID: BNA\_M

Date Extracted: 05/07/2025

Matrix: (soil/water) Water

Date Analyzed: 05/08/2025

Level: (low/med) LOW

Time Analyzed: 11:21

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 |
|-------------------|------------------|----------------|------------------|
| PB167889BS        | PB167889BS       | BM050142.D     | 05/08/2025       |
| PB167889BSD       | PB167889BSD      | BM050143.D     | 05/08/2025       |
| GB1W              | Q1945-01         | BM050134.D     | 05/07/2025       |
| GB3W              | Q1945-02         | BM050135.D     | 05/07/2025       |

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

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK  
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: GENV01

Lab Code: CHEM

SAS No.: Q1945

SDG NO.: Q1945

Lab File ID: BM050023.D

DFTPP Injection Date: 04/28/2025

Instrument ID: BNA\_M

DFTPP Injection Time: 11:46

| m/e | ION ABUNDANCE CRITERIA             | % RELATIVE ABUNDANCE |
|-----|------------------------------------|----------------------|
| 51  | 10.0 - 80.0% of mass 198           | 23.8                 |
| 68  | Less than 2.0% of mass 69          | 0.4 ( 1.3 ) 1        |
| 69  | Mass 69 relative abundance         | 28.5                 |
| 70  | Less than 2.0% of mass 69          | 0.1 ( 0.4 ) 1        |
| 127 | 10.0 - 80.0% of mass 198           | 35.7                 |
| 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            | 7                    |
| 275 | 10.0 - 60.0% of mass 198           | 26.2                 |
| 365 | Greater than 1% of mass 198        | 3.5                  |
| 441 | Present, but less than mass 443    | 11.6                 |
| 442 | Greater than 50% of mass 198       | 100                  |
| 443 | 15.0 - 24.0% of mass 442           | 14.4 (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 |
|-------------------|------------------|----------------|------------------|------------------|
| SSTDICC2.5        | SSTDICC2.5       | BM050024.D     | 04/28/2025       | 12:30            |
| SSTDICC005        | SSTDICC005       | BM050025.D     | 04/28/2025       | 13:09            |
| SSTDICC010        | SSTDICC010       | BM050026.D     | 04/28/2025       | 13:48            |
| SSTDICC020        | SSTDICC020       | BM050027.D     | 04/28/2025       | 14:27            |
| SSTDICCC040       | SSTDICCC040      | BM050028.D     | 04/28/2025       | 15:06            |
| SSTDICC050        | SSTDICC050       | BM050029.D     | 04/28/2025       | 15:45            |
| SSTDICC060        | SSTDICC060       | BM050030.D     | 04/28/2025       | 16:24            |
| SSTDICC080        | SSTDICC080       | BM050031.D     | 04/28/2025       | 17:04            |

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK  
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: GENV01

Lab Code: CHEM

SAS No.: Q1945 SDG NO.: Q1945

Lab File ID: BM050128.D

DFTPP Injection Date: 05/07/2025

Instrument ID: BNA\_M

DFTPP Injection Time: 09:17

| m/e | ION ABUNDANCE CRITERIA             | % RELATIVE ABUNDANCE |
|-----|------------------------------------|----------------------|
| 51  | 10.0 - 80.0% of mass 198           | 23                   |
| 68  | Less than 2.0% of mass 69          | 0.4 ( 1.4 ) 1        |
| 69  | Mass 69 relative abundance         | 27.7                 |
| 70  | Less than 2.0% of mass 69          | 0.1 ( 0.5 ) 1        |
| 127 | 10.0 - 80.0% of mass 198           | 35                   |
| 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            | 6.9                  |
| 275 | 10.0 - 60.0% of mass 198           | 26.1                 |
| 365 | Greater than 1% of mass 198        | 3.4                  |
| 441 | Present, but less than mass 443    | 12                   |
| 442 | Greater than 50% of mass 198       | 100                  |
| 443 | 15.0 - 24.0% of mass 442           | 14.6 (19.4) 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       | BM050129.D     | 05/07/2025       | 09:56            |
| GB1W              | Q1945-01         | BM050134.D     | 05/07/2025       | 14:26            |
| GB3W              | Q1945-02         | BM050135.D     | 05/07/2025       | 15:05            |
| GB1WDL            | Q1945-01DL       | BM050137.D     | 05/07/2025       | 16:24            |
| GB3WDL            | Q1945-02DL       | BM050138.D     | 05/07/2025       | 17:03            |

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK  
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: GENV01

Lab Code: CHEM

SAS No.: Q1945 SDG NO.: Q1945

Lab File ID: BM050139.D

DFTPP Injection Date: 05/08/2025

Instrument ID: BNA\_M

DFTPP Injection Time: 09:59

| m/e | ION ABUNDANCE CRITERIA             | % RELATIVE ABUNDANCE |
|-----|------------------------------------|----------------------|
| 51  | 10.0 - 80.0% of mass 198           | 21.7                 |
| 68  | Less than 2.0% of mass 69          | 0.4 ( 1.4 ) 1        |
| 69  | Mass 69 relative abundance         | 25.8                 |
| 70  | Less than 2.0% of mass 69          | 0.1 ( 0.4 ) 1        |
| 127 | 10.0 - 80.0% of mass 198           | 33.5                 |
| 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            | 6.7                  |
| 275 | 10.0 - 60.0% of mass 198           | 27.3                 |
| 365 | Greater than 1% of mass 198        | 3.9                  |
| 441 | Present, but less than mass 443    | 13.6                 |
| 442 | Greater than 50% of mass 198       | 100                  |
| 443 | 15.0 - 24.0% of mass 442           | 16.8 (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 |
|-------------------|------------------|----------------|------------------|------------------|
| SSTDCCC040        | SSTDCCC040       | BM050140.D     | 05/08/2025       | 10:41            |
| PB167889BL        | PB167889BL       | BM050141.D     | 05/08/2025       | 11:21            |
| PB167889BS        | PB167889BS       | BM050142.D     | 05/08/2025       | 12:00            |
| PB167889BSD       | PB167889BSD      | BM050143.D     | 05/08/2025       | 12:39            |



8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1945 SAS No.: Q1945 SDG NO.: Q1945

EPA Sample No.: SSTDCCC040 Date Analyzed: 05/07/2025

Lab File ID: BM050129.D Time Analyzed: 09:56

Instrument ID: BNA\_M 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    | 266306              | 7.746 | 985466              | 10.53  | 648787              | 14.39  |
| UPPER LIMIT    | 532612              | 8.246 | 1970930             | 11.034 | 1297570             | 14.892 |
| LOWER LIMIT    | 133153              | 7.246 | 492733              | 10.034 | 324394              | 13.892 |
| EPA SAMPLE NO. |                     |       |                     |        |                     |        |
| 01 GB1W        | 277291              | 7.75  | 994970              | 10.54  | 676090              | 14.39  |
| 02 GB1WDL      | 237908              | 7.75  | 833708              | 10.54  | 563306              | 14.39  |
| 03 GB3W        | 242816              | 7.75  | 891368              | 10.54  | 635661              | 14.39  |
| 04 GB3WDL      | 252681              | 7.75  | 948637              | 10.54  | 680621              | 14.39  |

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.: Q1945 SAS No.: Q1945 SDG NO.: Q1945

EPA Sample No.: SSTDCCC040 Date Analyzed: 05/07/2025

Lab File ID: BM050129.D Time Analyzed: 09:56

Instrument ID: BNA\_M 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    | 1276060             | 17.139 | 1188730             | 21.386 | 1179190             | 24.38 |
| UPPER LIMIT    | 2552120             | 17.639 | 2377460             | 21.886 | 2358380             | 24.88 |
| LOWER LIMIT    | 638030              | 16.639 | 594365              | 20.886 | 589595              | 23.88 |
| EPA SAMPLE NO. |                     |        |                     |        |                     |       |
| 01 GB1W        | 1357980             | 17.15  | 1252370             | 21.39  | 1282160             | 24.39 |
| 02 GB1WDL      | 1154970             | 17.15  | 1121660             | 21.39  | 1136200             | 24.39 |
| 03 GB3W        | 1255360             | 17.15  | 1187380             | 21.39  | 1257760             | 24.39 |
| 04 GB3WDL      | 1371680             | 17.15  | 1252990             | 21.39  | 1255100             | 24.39 |

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.: Q1945 SAS No.: Q1945 SDG NO.: Q1945

EPA Sample No.: SSTDCCC040 Date Analyzed: 05/08/2025

Lab File ID: BM050140.D Time Analyzed: 10:41

Instrument ID: BNA\_M 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    | 370324              | 7.74 | 1368860             | 10.53  | 879874              | 14.39  |
| UPPER LIMIT    | 740648              | 8.24 | 2737720             | 11.034 | 1759750             | 14.892 |
| LOWER LIMIT    | 185162              | 7.24 | 684430              | 10.034 | 439937              | 13.892 |
| EPA SAMPLE NO. |                     |      |                     |        |                     |        |
| 01 PB167889BL  | 284899              | 7.74 | 988666              | 10.54  | 615934              | 14.39  |
| 02 PB167889BS  | 270040              | 7.74 | 938494              | 10.53  | 568093              | 14.39  |
| 03 PB167889BSD | 264346              | 7.74 | 911076              | 10.53  | 548910              | 14.39  |

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.: Q1945 SAS No.: Q1945 SDG NO.: Q1945

EPA Sample No.: SSTDCCC040 Date Analyzed: 05/08/2025

Lab File ID: BM050140.D Time Analyzed: 10:41

Instrument ID: BNA\_M 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    | 1654930             | 17.139 | 1237710             | 21.386 | 1026250             | 24.38 |
| UPPER LIMIT    | 3309860             | 17.639 | 2475420             | 21.886 | 2052500             | 24.88 |
| LOWER LIMIT    | 827465              | 16.639 | 618855              | 20.886 | 513125              | 23.88 |
| EPA SAMPLE NO. |                     |        |                     |        |                     |       |
| 01 PB167889BL  | 1138370             | 17.15  | 926404              | 21.39  | 1008660             | 24.39 |
| 02 PB167889BS  | 1021170             | 17.14  | 945959              | 21.38  | 977986              | 24.38 |
| 03 PB167889BSD | 982803              | 17.14  | 868474              | 21.39  | 893841              | 24.38 |

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:           | Amsterdam       |                  | Date Received:  |               |
| Client Sample ID:  | PB167889BL      |                  | SDG No.:        | Q1945         |
| Lab Sample ID:     | PB167889BL      |                  | Matrix:         | Water         |
| Analytical Method: | SW8270          |                  | % Solid:        | 0             |
| Sample Wt/Vol:     | 1000            | Units: mL        | Final Vol:      | 1000 uL       |
| Soil Aliquot Vol:  |                 | uL               | Test:           | SVOCMS Group1 |
| Extraction Type :  |                 | Decanted : N     | Level :         | LOW           |
| Injection Volume : |                 | GPC Factor : 1.0 | GPC Cleanup :   | N PH :        |
| Prep Method :      | SW3510C         |                  |                 |               |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BM050141.D        | 1         | 05/07/25 08:53 | 05/08/25 11:21 | PB167889      |

| CAS Number     | Parameter                   | Conc. | Qualifier | MDL  | LOQ / CRQL | Units |
|----------------|-----------------------------|-------|-----------|------|------------|-------|
| <b>TARGETS</b> |                             |       |           |      |            |       |
| 100-52-7       | Benzaldehyde                | 3.90  | U         | 3.90 | 10.0       | ug/L  |
| 62-53-3        | Aniline                     | 1.50  | U         | 1.50 | 5.00       | ug/L  |
| 108-95-2       | Phenol                      | 0.91  | U         | 0.91 | 5.00       | ug/L  |
| 111-44-4       | bis(2-Chloroethyl)ether     | 0.81  | U         | 0.81 | 5.00       | ug/L  |
| 95-57-8        | 2-Chlorophenol              | 0.58  | U         | 0.58 | 5.00       | ug/L  |
| 95-48-7        | 2-Methylphenol              | 1.10  | U         | 1.10 | 5.00       | ug/L  |
| 108-60-1       | 2,2-oxybis(1-Chloropropane) | 1.30  | U         | 1.30 | 5.00       | ug/L  |
| 98-86-2        | Acetophenone                | 0.74  | U         | 0.74 | 5.00       | ug/L  |
| 65794-96-9     | 3+4-Methylphenols           | 1.10  | U         | 1.10 | 10.0       | ug/L  |
| 621-64-7       | n-Nitroso-di-n-propylamine  | 1.40  | U         | 1.40 | 2.50       | ug/L  |
| 67-72-1        | Hexachloroethane            | 0.65  | U         | 0.65 | 5.00       | ug/L  |
| 98-95-3        | Nitrobenzene                | 0.76  | U         | 0.76 | 5.00       | ug/L  |
| 78-59-1        | Isophorone                  | 0.75  | U         | 0.75 | 5.00       | ug/L  |
| 88-75-5        | 2-Nitrophenol               | 1.80  | U         | 1.80 | 5.00       | ug/L  |
| 105-67-9       | 2,4-Dimethylphenol          | 1.90  | U         | 1.90 | 5.00       | ug/L  |
| 111-91-1       | bis(2-Chloroethoxy)methane  | 0.68  | U         | 0.68 | 5.00       | ug/L  |
| 120-83-2       | 2,4-Dichlorophenol          | 0.52  | U         | 0.52 | 5.00       | ug/L  |
| 91-20-3        | Naphthalene                 | 0.50  | U         | 0.50 | 5.00       | ug/L  |
| 106-47-8       | 4-Chloroaniline             | 0.84  | U         | 0.84 | 5.00       | ug/L  |
| 87-68-3        | Hexachlorobutadiene         | 0.54  | U         | 0.54 | 5.00       | ug/L  |
| 105-60-2       | Caprolactam                 | 1.10  | U         | 1.10 | 10.0       | ug/L  |
| 59-50-7        | 4-Chloro-3-methylphenol     | 0.59  | U         | 0.59 | 5.00       | ug/L  |
| 91-57-6        | 2-Methylnaphthalene         | 0.56  | U         | 0.56 | 5.00       | ug/L  |
| 77-47-4        | Hexachlorocyclopentadiene   | 3.60  | U         | 3.60 | 10.0       | ug/L  |
| 88-06-2        | 2,4,6-Trichlorophenol       | 0.51  | U         | 0.51 | 5.00       | ug/L  |
| 95-95-4        | 2,4,5-Trichlorophenol       | 0.62  | U         | 0.62 | 5.00       | ug/L  |
| 92-52-4        | 1,1-Biphenyl                | 0.53  | U         | 0.53 | 5.00       | ug/L  |
| 91-58-7        | 2-Chloronaphthalene         | 0.61  | U         | 0.61 | 5.00       | ug/L  |
| 88-74-4        | 2-Nitroaniline              | 1.30  | U         | 1.30 | 5.00       | ug/L  |

## Report of Analysis

|                    |                        |                 |                   |
|--------------------|------------------------|-----------------|-------------------|
| Client:            | G Environmental        | Date Collected: |                   |
| Project:           | Amsterdam              | Date Received:  |                   |
| Client Sample ID:  | PB167889BL             | SDG No.:        | Q1945             |
| Lab Sample ID:     | PB167889BL             | Matrix:         | Water             |
| Analytical Method: | SW8270                 | % Solid:        | 0                 |
| Sample Wt/Vol:     | 1000      Units:    mL | Final Vol:      | 1000      uL      |
| Soil Aliquot Vol:  | uL                     | Test:           | SVOCMS Group1     |
| Extraction Type :  | Decanted :    N        | Level :         | LOW               |
| Injection Volume : | GPC Factor :    1.0    | GPC Cleanup :   | N            PH : |
| Prep Method :      | SW3510C                |                 |                   |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BM050141.D        | 1         | 05/07/25 08:53 | 05/08/25 11:21 | PB167889      |

| CAS Number | Parameter                  | Conc. | Qualifier | MDL  | LOQ / CRQL | Units |
|------------|----------------------------|-------|-----------|------|------------|-------|
| 131-11-3   | Dimethylphthalate          | 0.61  | U         | 0.61 | 5.00       | ug/L  |
| 208-96-8   | Acenaphthylene             | 0.75  | U         | 0.75 | 5.00       | ug/L  |
| 606-20-2   | 2,6-Dinitrotoluene         | 0.92  | U         | 0.92 | 5.00       | ug/L  |
| 99-09-2    | 3-Nitroaniline             | 1.10  | U         | 1.10 | 5.00       | ug/L  |
| 83-32-9    | Acenaphthene               | 0.55  | U         | 0.55 | 5.00       | ug/L  |
| 51-28-5    | 2,4-Dinitrophenol          | 6.00  | U         | 6.00 | 10.0       | ug/L  |
| 100-02-7   | 4-Nitrophenol              | 2.40  | U         | 2.40 | 10.0       | ug/L  |
| 132-64-9   | Dibenzofuran               | 0.61  | U         | 0.61 | 5.00       | ug/L  |
| 121-14-2   | 2,4-Dinitrotoluene         | 1.20  | U         | 1.20 | 5.00       | ug/L  |
| 84-66-2    | Diethylphthalate           | 0.69  | U         | 0.69 | 5.00       | ug/L  |
| 7005-72-3  | 4-Chlorophenyl-phenylether | 0.68  | U         | 0.68 | 5.00       | ug/L  |
| 86-73-7    | Fluorene                   | 0.63  | U         | 0.63 | 5.00       | ug/L  |
| 100-01-6   | 4-Nitroaniline             | 1.50  | U         | 1.50 | 5.00       | ug/L  |
| 534-52-1   | 4,6-Dinitro-2-methylphenol | 2.90  | U         | 2.90 | 10.0       | ug/L  |
| 86-30-6    | n-Nitrosodiphenylamine     | 0.58  | U         | 0.58 | 5.00       | ug/L  |
| 101-55-3   | 4-Bromophenyl-phenylether  | 0.40  | U         | 0.40 | 5.00       | ug/L  |
| 118-74-1   | Hexachlorobenzene          | 0.52  | U         | 0.52 | 5.00       | ug/L  |
| 1912-24-9  | Atrazine                   | 1.00  | U         | 1.00 | 5.00       | ug/L  |
| 87-86-5    | Pentachlorophenol          | 1.60  | U         | 1.60 | 10.0       | ug/L  |
| 85-01-8    | Phenanthrene               | 0.50  | U         | 0.50 | 5.00       | ug/L  |
| 120-12-7   | Anthracene                 | 0.61  | U         | 0.61 | 5.00       | ug/L  |
| 86-74-8    | Carbazole                  | 0.72  | U         | 0.72 | 5.00       | ug/L  |
| 84-74-2    | Di-n-butylphthalate        | 1.20  | U         | 1.20 | 5.00       | ug/L  |
| 206-44-0   | Fluoranthene               | 0.82  | U         | 0.82 | 5.00       | ug/L  |
| 129-00-0   | Pyrene                     | 0.50  | U         | 0.50 | 5.00       | ug/L  |
| 85-68-7    | Butylbenzylphthalate       | 1.90  | U         | 1.90 | 5.00       | ug/L  |
| 91-94-1    | 3,3-Dichlorobenzidine      | 0.93  | U         | 0.93 | 10.0       | ug/L  |
| 56-55-3    | Benzo(a)anthracene         | 0.45  | U         | 0.45 | 5.00       | ug/L  |
| 218-01-9   | Chrysene                   | 0.44  | U         | 0.44 | 5.00       | ug/L  |
| 117-81-7   | Bis(2-ethylhexyl)phthalate | 1.60  | U         | 1.60 | 5.00       | ug/L  |
| 117-84-0   | Di-n-octyl phthalate       | 2.30  | U         | 2.30 | 10.0       | ug/L  |

## Report of Analysis

|                    |                        |                 |                   |
|--------------------|------------------------|-----------------|-------------------|
| Client:            | G Environmental        | Date Collected: |                   |
| Project:           | Amsterdam              | Date Received:  |                   |
| Client Sample ID:  | PB167889BL             | SDG No.:        | Q1945             |
| Lab Sample ID:     | PB167889BL             | Matrix:         | Water             |
| Analytical Method: | SW8270                 | % Solid:        | 0                 |
| Sample Wt/Vol:     | 1000      Units:    mL | Final Vol:      | 1000      uL      |
| Soil Aliquot Vol:  | uL                     | Test:           | SVOCMS Group1     |
| Extraction Type :  | Decanted :    N        | Level :         | LOW               |
| Injection Volume : | GPC Factor :    1.0    | GPC Cleanup :   | N            PH : |
| Prep Method :      | SW3510C                |                 |                   |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BM050141.D        | 1         | 05/07/25 08:53 | 05/08/25 11:21 | PB167889      |

| CAS Number                            | Parameter                        | Conc.   | Qualifier | MDL                 | LOQ / CRQL | Units    |
|---------------------------------------|----------------------------------|---------|-----------|---------------------|------------|----------|
| 205-99-2                              | Benzo(b)fluoranthene             | 0.49    | U         | 0.49                | 5.00       | ug/L     |
| 207-08-9                              | Benzo(k)fluoranthene             | 0.48    | U         | 0.48                | 5.00       | ug/L     |
| 50-32-8                               | Benzo(a)pyrene                   | 0.55    | U         | 0.55                | 5.00       | ug/L     |
| 193-39-5                              | Indeno(1,2,3-cd)pyrene           | 0.59    | U         | 0.59                | 5.00       | ug/L     |
| 53-70-3                               | Dibenzo(a,h)anthracene           | 0.67    | U         | 0.67                | 5.00       | ug/L     |
| 191-24-2                              | Benzo(g,h,i)perylene             | 0.69    | U         | 0.69                | 5.00       | ug/L     |
| 95-94-3                               | 1,2,4,5-Tetrachlorobenzene       | 0.52    | U         | 0.52                | 5.00       | ug/L     |
| 123-91-1                              | 1,4-Dioxane                      | 1.00    | U         | 1.00                | 5.00       | ug/L     |
| 58-90-2                               | 2,3,4,6-Tetrachlorophenol        | 0.72    | U         | 0.72                | 5.00       | ug/L     |
| <b>SURROGATES</b>                     |                                  |         |           |                     |            |          |
| 367-12-4                              | 2-Fluorophenol                   | 134     |           | 15 (10) - 110 (139) | 90%        | SPK: 150 |
| 13127-88-3                            | Phenol-d6                        | 128     |           | 15 (10) - 110 (134) | 85%        | SPK: 150 |
| 4165-60-0                             | Nitrobenzene-d5                  | 78.9    |           | 30 (49) - 130 (133) | 79%        | SPK: 100 |
| 321-60-8                              | 2-Fluorobiphenyl                 | 80.6    |           | 30 (52) - 130 (132) | 81%        | SPK: 100 |
| 118-79-6                              | 2,4,6-Tribromophenol             | 129     |           | 15 (44) - 110 (137) | 86%        | SPK: 150 |
| 1718-51-0                             | Terphenyl-d14                    | 92.2    |           | 30 (48) - 130 (125) | 92%        | SPK: 100 |
| <b>INTERNAL STANDARDS</b>             |                                  |         |           |                     |            |          |
| 3855-82-1                             | 1,4-Dichlorobenzene-d4           | 285000  | 7.739     |                     |            |          |
| 1146-65-2                             | Naphthalene-d8                   | 989000  | 10.539    |                     |            |          |
| 15067-26-2                            | Acenaphthene-d10                 | 616000  | 14.392    |                     |            |          |
| 1517-22-2                             | Phenanthrene-d10                 | 1140000 | 17.145    |                     |            |          |
| 1719-03-5                             | Chrysene-d12                     | 926000  | 21.391    |                     |            |          |
| 1520-96-3                             | Perylene-d12                     | 1010000 | 24.385    |                     |            |          |
| <b>TENTATIVE IDENTIFIED COMPOUNDS</b> |                                  |         |           |                     |            |          |
| 000123-42-2                           | 2-Pentanone, 4-hydroxy-4-methyl- | 7.80    | A         |                     | 4.87       | ug/L     |



## Report of Analysis

|                    |                        |                 |               |
|--------------------|------------------------|-----------------|---------------|
| Client:            | G Environmental        | Date Collected: |               |
| Project:           | Amsterdam              | Date Received:  |               |
| Client Sample ID:  | PB167889BL             | SDG No.:        | Q1945         |
| Lab Sample ID:     | PB167889BL             | Matrix:         | Water         |
| Analytical Method: | SW8270                 | % Solid:        | 0             |
| Sample Wt/Vol:     | 1000      Units:    mL | Final Vol:      | 1000      uL  |
| Soil Aliquot Vol:  | uL                     | Test:           | SVOCMS Group1 |
| Extraction Type :  | Decanted :    N        | Level :         | LOW           |
| Injection Volume : | GPC Factor :    1.0    | GPC Cleanup :   | N      PH :   |
| Prep Method :      | SW3510C                |                 |               |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BM050141.D        | 1         | 05/07/25 08:53 | 05/08/25 11:21 | PB167889      |

| 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:           | Amsterdam       |                  | Date Received:  |               |
| Client Sample ID:  | PB167889BS      |                  | SDG No.:        | Q1945         |
| Lab Sample ID:     | PB167889BS      |                  | Matrix:         | Water         |
| Analytical Method: | SW8270          |                  | % Solid:        | 0             |
| Sample Wt/Vol:     | 1000            | Units: mL        | Final Vol:      | 1000 uL       |
| Soil Aliquot Vol:  |                 | uL               | Test:           | SVOCMS Group1 |
| Extraction Type :  |                 | Decanted : N     | Level :         | LOW           |
| Injection Volume : |                 | GPC Factor : 1.0 | GPC Cleanup :   | N PH :        |
| Prep Method :      | SW3510C         |                  |                 |               |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BM050142.D        | 1         | 05/07/25 08:53 | 05/08/25 12:00 | PB167889      |

| CAS Number     | Parameter                   | Conc. | Qualifier | MDL  | LOQ / CRQL | Units |
|----------------|-----------------------------|-------|-----------|------|------------|-------|
| <b>TARGETS</b> |                             |       |           |      |            |       |
| 100-52-7       | Benzaldehyde                | 23.0  |           | 3.90 | 10.0       | ug/L  |
| 62-53-3        | Aniline                     | 28.0  |           | 1.50 | 5.00       | ug/L  |
| 108-95-2       | Phenol                      | 42.9  |           | 0.91 | 5.00       | ug/L  |
| 111-44-4       | bis(2-Chloroethyl)ether     | 40.5  |           | 0.81 | 5.00       | ug/L  |
| 95-57-8        | 2-Chlorophenol              | 42.6  |           | 0.58 | 5.00       | ug/L  |
| 95-48-7        | 2-Methylphenol              | 41.7  |           | 1.10 | 5.00       | ug/L  |
| 108-60-1       | 2,2-oxybis(1-Chloropropane) | 40.9  |           | 1.30 | 5.00       | ug/L  |
| 98-86-2        | Acetophenone                | 41.5  |           | 0.74 | 5.00       | ug/L  |
| 65794-96-9     | 3+4-Methylphenols           | 41.5  |           | 1.10 | 10.0       | ug/L  |
| 621-64-7       | n-Nitroso-di-n-propylamine  | 39.6  |           | 1.40 | 2.50       | ug/L  |
| 67-72-1        | Hexachloroethane            | 40.2  |           | 0.65 | 5.00       | ug/L  |
| 98-95-3        | Nitrobenzene                | 42.3  |           | 0.76 | 5.00       | ug/L  |
| 78-59-1        | Isophorone                  | 39.9  |           | 0.75 | 5.00       | ug/L  |
| 88-75-5        | 2-Nitrophenol               | 43.8  |           | 1.80 | 5.00       | ug/L  |
| 105-67-9       | 2,4-Dimethylphenol          | 42.9  |           | 1.90 | 5.00       | ug/L  |
| 111-91-1       | bis(2-Chloroethoxy)methane  | 41.3  |           | 0.68 | 5.00       | ug/L  |
| 120-83-2       | 2,4-Dichlorophenol          | 43.0  |           | 0.52 | 5.00       | ug/L  |
| 91-20-3        | Naphthalene                 | 40.9  |           | 0.50 | 5.00       | ug/L  |
| 106-47-8       | 4-Chloroaniline             | 17.7  |           | 0.84 | 5.00       | ug/L  |
| 87-68-3        | Hexachlorobutadiene         | 41.9  |           | 0.54 | 5.00       | ug/L  |
| 105-60-2       | Caprolactam                 | 37.4  |           | 1.10 | 10.0       | ug/L  |
| 59-50-7        | 4-Chloro-3-methylphenol     | 40.8  |           | 0.59 | 5.00       | ug/L  |
| 91-57-6        | 2-Methylnaphthalene         | 39.9  |           | 0.56 | 5.00       | ug/L  |
| 77-47-4        | Hexachlorocyclopentadiene   | 95.8  | E         | 3.60 | 10.0       | ug/L  |
| 88-06-2        | 2,4,6-Trichlorophenol       | 44.8  |           | 0.51 | 5.00       | ug/L  |
| 95-95-4        | 2,4,5-Trichlorophenol       | 44.3  |           | 0.62 | 5.00       | ug/L  |
| 92-52-4        | 1,1-Biphenyl                | 43.2  |           | 0.53 | 5.00       | ug/L  |
| 91-58-7        | 2-Chloronaphthalene         | 42.9  |           | 0.61 | 5.00       | ug/L  |
| 88-74-4        | 2-Nitroaniline              | 44.7  |           | 1.30 | 5.00       | ug/L  |

## Report of Analysis

|                    |                        |                 |                   |
|--------------------|------------------------|-----------------|-------------------|
| Client:            | G Environmental        | Date Collected: |                   |
| Project:           | Amsterdam              | Date Received:  |                   |
| Client Sample ID:  | PB167889BS             | SDG No.:        | Q1945             |
| Lab Sample ID:     | PB167889BS             | Matrix:         | Water             |
| Analytical Method: | SW8270                 | % Solid:        | 0                 |
| Sample Wt/Vol:     | 1000      Units:    mL | Final Vol:      | 1000      uL      |
| Soil Aliquot Vol:  | uL                     | Test:           | SVOCMS Group1     |
| Extraction Type :  | Decanted :    N        | Level :         | LOW               |
| Injection Volume : | GPC Factor :    1.0    | GPC Cleanup :   | N            PH : |
| Prep Method :      | SW3510C                |                 |                   |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BM050142.D        | 1         | 05/07/25 08:53 | 05/08/25 12:00 | PB167889      |

| CAS Number | Parameter                  | Conc. | Qualifier | MDL  | LOQ / CRQL | Units |
|------------|----------------------------|-------|-----------|------|------------|-------|
| 131-11-3   | Dimethylphthalate          | 41.2  |           | 0.61 | 5.00       | ug/L  |
| 208-96-8   | Acenaphthylene             | 42.3  |           | 0.75 | 5.00       | ug/L  |
| 606-20-2   | 2,6-Dinitrotoluene         | 43.1  |           | 0.92 | 5.00       | ug/L  |
| 99-09-2    | 3-Nitroaniline             | 24.8  |           | 1.10 | 5.00       | ug/L  |
| 83-32-9    | Acenaphthene               | 42.1  |           | 0.55 | 5.00       | ug/L  |
| 51-28-5    | 2,4-Dinitrophenol          | 79.6  |           | 6.00 | 10.0       | ug/L  |
| 100-02-7   | 4-Nitrophenol              | 75.7  |           | 2.40 | 10.0       | ug/L  |
| 132-64-9   | Dibenzofuran               | 41.8  |           | 0.61 | 5.00       | ug/L  |
| 121-14-2   | 2,4-Dinitrotoluene         | 42.9  |           | 1.20 | 5.00       | ug/L  |
| 84-66-2    | Diethylphthalate           | 40.0  |           | 0.69 | 5.00       | ug/L  |
| 7005-72-3  | 4-Chlorophenyl-phenylether | 41.7  |           | 0.68 | 5.00       | ug/L  |
| 86-73-7    | Fluorene                   | 41.6  |           | 0.63 | 5.00       | ug/L  |
| 100-01-6   | 4-Nitroaniline             | 38.0  |           | 1.50 | 5.00       | ug/L  |
| 534-52-1   | 4,6-Dinitro-2-methylphenol | 44.5  |           | 2.90 | 10.0       | ug/L  |
| 86-30-6    | n-Nitrosodiphenylamine     | 45.5  |           | 0.58 | 5.00       | ug/L  |
| 101-55-3   | 4-Bromophenyl-phenylether  | 44.3  |           | 0.40 | 5.00       | ug/L  |
| 118-74-1   | Hexachlorobenzene          | 44.5  |           | 0.52 | 5.00       | ug/L  |
| 1912-24-9  | Atrazine                   | 43.7  |           | 1.00 | 5.00       | ug/L  |
| 87-86-5    | Pentachlorophenol          | 95.9  | E         | 1.60 | 10.0       | ug/L  |
| 85-01-8    | Phenanthrene               | 43.2  |           | 0.50 | 5.00       | ug/L  |
| 120-12-7   | Anthracene                 | 43.9  |           | 0.61 | 5.00       | ug/L  |
| 86-74-8    | Carbazole                  | 43.3  |           | 0.72 | 5.00       | ug/L  |
| 84-74-2    | Di-n-butylphthalate        | 42.6  |           | 1.20 | 5.00       | ug/L  |
| 206-44-0   | Fluoranthene               | 42.4  |           | 0.82 | 5.00       | ug/L  |
| 129-00-0   | Pyrene                     | 44.0  |           | 0.50 | 5.00       | ug/L  |
| 85-68-7    | Butylbenzylphthalate       | 43.8  |           | 1.90 | 5.00       | ug/L  |
| 91-94-1    | 3,3-Dichlorobenzidine      | 24.9  |           | 0.93 | 10.0       | ug/L  |
| 56-55-3    | Benzo(a)anthracene         | 43.8  |           | 0.45 | 5.00       | ug/L  |
| 218-01-9   | Chrysene                   | 43.2  |           | 0.44 | 5.00       | ug/L  |
| 117-81-7   | Bis(2-ethylhexyl)phthalate | 42.8  |           | 1.60 | 5.00       | ug/L  |
| 117-84-0   | Di-n-octyl phthalate       | 43.7  |           | 2.30 | 10.0       | ug/L  |

## Report of Analysis

|                    |                 |                  |                 |               |
|--------------------|-----------------|------------------|-----------------|---------------|
| Client:            | G Environmental |                  | Date Collected: |               |
| Project:           | Amsterdam       |                  | Date Received:  |               |
| Client Sample ID:  | PB167889BS      |                  | SDG No.:        | Q1945         |
| Lab Sample ID:     | PB167889BS      |                  | Matrix:         | Water         |
| Analytical Method: | SW8270          |                  | % Solid:        | 0             |
| Sample Wt/Vol:     | 1000            | Units: mL        | Final Vol:      | 1000 uL       |
| Soil Aliquot Vol:  |                 | uL               | Test:           | SVOCMS Group1 |
| Extraction Type :  |                 | Decanted : N     | Level :         | LOW           |
| Injection Volume : |                 | GPC Factor : 1.0 | GPC Cleanup :   | N PH :        |
| Prep Method :      | SW3510C         |                  |                 |               |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BM050142.D        | 1         | 05/07/25 08:53 | 05/08/25 12:00 | PB167889      |

| CAS Number                | Parameter                  | Conc.   | Qualifier | MDL                 | LOQ / CRQL | Units    |
|---------------------------|----------------------------|---------|-----------|---------------------|------------|----------|
| 205-99-2                  | Benzo(b)fluoranthene       | 43.5    |           | 0.49                | 5.00       | ug/L     |
| 207-08-9                  | Benzo(k)fluoranthene       | 42.0    |           | 0.48                | 5.00       | ug/L     |
| 50-32-8                   | Benzo(a)pyrene             | 43.9    |           | 0.55                | 5.00       | ug/L     |
| 193-39-5                  | Indeno(1,2,3-cd)pyrene     | 48.7    |           | 0.59                | 5.00       | ug/L     |
| 53-70-3                   | Dibenzo(a,h)anthracene     | 49.0    |           | 0.67                | 5.00       | ug/L     |
| 191-24-2                  | Benzo(g,h,i)perylene       | 48.5    |           | 0.69                | 5.00       | ug/L     |
| 95-94-3                   | 1,2,4,5-Tetrachlorobenzene | 44.2    |           | 0.52                | 5.00       | ug/L     |
| 123-91-1                  | 1,4-Dioxane                | 33.9    |           | 1.00                | 5.00       | ug/L     |
| 58-90-2                   | 2,3,4,6-Tetrachlorophenol  | 41.9    |           | 0.72                | 5.00       | ug/L     |
| <b>SURROGATES</b>         |                            |         |           |                     |            |          |
| 367-12-4                  | 2-Fluorophenol             | 127     |           | 15 (10) - 110 (139) | 85%        | SPK: 150 |
| 13127-88-3                | Phenol-d6                  | 123     |           | 15 (10) - 110 (134) | 82%        | SPK: 150 |
| 4165-60-0                 | Nitrobenzene-d5            | 74.0    |           | 30 (49) - 130 (133) | 74%        | SPK: 100 |
| 321-60-8                  | 2-Fluorobiphenyl           | 76.1    |           | 30 (52) - 130 (132) | 76%        | SPK: 100 |
| 118-79-6                  | 2,4,6-Tribromophenol       | 124     |           | 15 (44) - 110 (137) | 83%        | SPK: 150 |
| 1718-51-0                 | Terphenyl-d14              | 79.2    |           | 30 (48) - 130 (125) | 79%        | SPK: 100 |
| <b>INTERNAL STANDARDS</b> |                            |         |           |                     |            |          |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4     | 270000  | 7.74      |                     |            |          |
| 1146-65-2                 | Naphthalene-d8             | 938000  | 10.534    |                     |            |          |
| 15067-26-2                | Acenaphthene-d10           | 568000  | 14.392    |                     |            |          |
| 1517-22-2                 | Phenanthrene-d10           | 1020000 | 17.139    |                     |            |          |
| 1719-03-5                 | Chrysene-d12               | 946000  | 21.38     |                     |            |          |
| 1520-96-3                 | Perylene-d12               | 978000  | 24.38     |                     |            |          |

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:           | Amsterdam        | Date Received:  |               |
| Client Sample ID:  | PB167889BSD      | SDG No.:        | Q1945         |
| Lab Sample ID:     | PB167889BSD      | Matrix:         | Water         |
| Analytical Method: | SW8270           | % Solid:        | 0             |
| Sample Wt/Vol:     | 1000 Units: mL   | Final Vol:      | 1000 uL       |
| Soil Aliquot Vol:  | uL               | Test:           | SVOCMS Group1 |
| Extraction Type :  | Decanted : N     | Level :         | LOW           |
| Injection Volume : | GPC Factor : 1.0 | GPC Cleanup :   | N PH :        |
| Prep Method :      | SW3510C          |                 |               |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BM050143.D        | 1         | 05/07/25 08:53 | 05/08/25 12:39 | PB167889      |

| CAS Number     | Parameter                   | Conc. | Qualifier | MDL  | LOQ / CRQL | Units |
|----------------|-----------------------------|-------|-----------|------|------------|-------|
| <b>TARGETS</b> |                             |       |           |      |            |       |
| 100-52-7       | Benzaldehyde                | 23.2  |           | 3.90 | 10.0       | ug/L  |
| 62-53-3        | Aniline                     | 27.0  |           | 1.50 | 5.00       | ug/L  |
| 108-95-2       | Phenol                      | 43.7  |           | 0.91 | 5.00       | ug/L  |
| 111-44-4       | bis(2-Chloroethyl)ether     | 41.7  |           | 0.81 | 5.00       | ug/L  |
| 95-57-8        | 2-Chlorophenol              | 43.7  |           | 0.58 | 5.00       | ug/L  |
| 95-48-7        | 2-Methylphenol              | 42.7  |           | 1.10 | 5.00       | ug/L  |
| 108-60-1       | 2,2-oxybis(1-Chloropropane) | 41.6  |           | 1.30 | 5.00       | ug/L  |
| 98-86-2        | Acetophenone                | 42.8  |           | 0.74 | 5.00       | ug/L  |
| 65794-96-9     | 3+4-Methylphenols           | 42.0  |           | 1.10 | 10.0       | ug/L  |
| 621-64-7       | n-Nitroso-di-n-propylamine  | 40.2  |           | 1.40 | 2.50       | ug/L  |
| 67-72-1        | Hexachloroethane            | 41.7  |           | 0.65 | 5.00       | ug/L  |
| 98-95-3        | Nitrobenzene                | 43.5  |           | 0.76 | 5.00       | ug/L  |
| 78-59-1        | Isophorone                  | 40.9  |           | 0.75 | 5.00       | ug/L  |
| 88-75-5        | 2-Nitrophenol               | 45.0  |           | 1.80 | 5.00       | ug/L  |
| 105-67-9       | 2,4-Dimethylphenol          | 44.0  |           | 1.90 | 5.00       | ug/L  |
| 111-91-1       | bis(2-Chloroethoxy)methane  | 42.0  |           | 0.68 | 5.00       | ug/L  |
| 120-83-2       | 2,4-Dichlorophenol          | 44.5  |           | 0.52 | 5.00       | ug/L  |
| 91-20-3        | Naphthalene                 | 42.4  |           | 0.50 | 5.00       | ug/L  |
| 106-47-8       | 4-Chloroaniline             | 16.2  |           | 0.84 | 5.00       | ug/L  |
| 87-68-3        | Hexachlorobutadiene         | 43.7  |           | 0.54 | 5.00       | ug/L  |
| 105-60-2       | Caprolactam                 | 37.8  |           | 1.10 | 10.0       | ug/L  |
| 59-50-7        | 4-Chloro-3-methylphenol     | 41.1  |           | 0.59 | 5.00       | ug/L  |
| 91-57-6        | 2-Methylnaphthalene         | 41.1  |           | 0.56 | 5.00       | ug/L  |
| 77-47-4        | Hexachlorocyclopentadiene   | 98.8  | E         | 3.60 | 10.0       | ug/L  |
| 88-06-2        | 2,4,6-Trichlorophenol       | 45.6  |           | 0.51 | 5.00       | ug/L  |
| 95-95-4        | 2,4,5-Trichlorophenol       | 45.8  |           | 0.62 | 5.00       | ug/L  |
| 92-52-4        | 1,1-Biphenyl                | 44.4  |           | 0.53 | 5.00       | ug/L  |
| 91-58-7        | 2-Chloronaphthalene         | 44.6  |           | 0.61 | 5.00       | ug/L  |
| 88-74-4        | 2-Nitroaniline              | 45.7  |           | 1.30 | 5.00       | ug/L  |

## Report of Analysis

|                    |                 |                  |                 |               |
|--------------------|-----------------|------------------|-----------------|---------------|
| Client:            | G Environmental |                  | Date Collected: |               |
| Project:           | Amsterdam       |                  | Date Received:  |               |
| Client Sample ID:  | PB167889BSD     |                  | SDG No.:        | Q1945         |
| Lab Sample ID:     | PB167889BSD     |                  | Matrix:         | Water         |
| Analytical Method: | SW8270          |                  | % Solid:        | 0             |
| Sample Wt/Vol:     | 1000            | Units: mL        | Final Vol:      | 1000 uL       |
| Soil Aliquot Vol:  |                 | uL               | Test:           | SVOCMS Group1 |
| Extraction Type :  |                 | Decanted : N     | Level :         | LOW           |
| Injection Volume : |                 | GPC Factor : 1.0 | GPC Cleanup :   | N PH :        |
| Prep Method :      | SW3510C         |                  |                 |               |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BM050143.D        | 1         | 05/07/25 08:53 | 05/08/25 12:39 | PB167889      |

| CAS Number | Parameter                  | Conc. | Qualifier | MDL  | LOQ / CRQL | Units |
|------------|----------------------------|-------|-----------|------|------------|-------|
| 131-11-3   | Dimethylphthalate          | 42.1  |           | 0.61 | 5.00       | ug/L  |
| 208-96-8   | Acenaphthylene             | 43.5  |           | 0.75 | 5.00       | ug/L  |
| 606-20-2   | 2,6-Dinitrotoluene         | 43.9  |           | 0.92 | 5.00       | ug/L  |
| 99-09-2    | 3-Nitroaniline             | 23.6  |           | 1.10 | 5.00       | ug/L  |
| 83-32-9    | Acenaphthene               | 43.4  |           | 0.55 | 5.00       | ug/L  |
| 51-28-5    | 2,4-Dinitrophenol          | 81.0  | E         | 6.00 | 10.0       | ug/L  |
| 100-02-7   | 4-Nitrophenol              | 75.5  |           | 2.40 | 10.0       | ug/L  |
| 132-64-9   | Dibenzofuran               | 42.6  |           | 0.61 | 5.00       | ug/L  |
| 121-14-2   | 2,4-Dinitrotoluene         | 43.4  |           | 1.20 | 5.00       | ug/L  |
| 84-66-2    | Diethylphthalate           | 40.7  |           | 0.69 | 5.00       | ug/L  |
| 7005-72-3  | 4-Chlorophenyl-phenylether | 42.7  |           | 0.68 | 5.00       | ug/L  |
| 86-73-7    | Fluorene                   | 42.4  |           | 0.63 | 5.00       | ug/L  |
| 100-01-6   | 4-Nitroaniline             | 37.3  |           | 1.50 | 5.00       | ug/L  |
| 534-52-1   | 4,6-Dinitro-2-methylphenol | 45.5  |           | 2.90 | 10.0       | ug/L  |
| 86-30-6    | n-Nitrosodiphenylamine     | 46.2  |           | 0.58 | 5.00       | ug/L  |
| 101-55-3   | 4-Bromophenyl-phenylether  | 45.6  |           | 0.40 | 5.00       | ug/L  |
| 118-74-1   | Hexachlorobenzene          | 45.6  |           | 0.52 | 5.00       | ug/L  |
| 1912-24-9  | Atrazine                   | 44.0  |           | 1.00 | 5.00       | ug/L  |
| 87-86-5    | Pentachlorophenol          | 97.1  | E         | 1.60 | 10.0       | ug/L  |
| 85-01-8    | Phenanthrene               | 44.3  |           | 0.50 | 5.00       | ug/L  |
| 120-12-7   | Anthracene                 | 44.6  |           | 0.61 | 5.00       | ug/L  |
| 86-74-8    | Carbazole                  | 44.0  |           | 0.72 | 5.00       | ug/L  |
| 84-74-2    | Di-n-butylphthalate        | 43.1  |           | 1.20 | 5.00       | ug/L  |
| 206-44-0   | Fluoranthene               | 42.5  |           | 0.82 | 5.00       | ug/L  |
| 129-00-0   | Pyrene                     | 46.5  |           | 0.50 | 5.00       | ug/L  |
| 85-68-7    | Butylbenzylphthalate       | 45.3  |           | 1.90 | 5.00       | ug/L  |
| 91-94-1    | 3,3-Dichlorobenzidine      | 25.0  |           | 0.93 | 10.0       | ug/L  |
| 56-55-3    | Benzo(a)anthracene         | 45.0  |           | 0.45 | 5.00       | ug/L  |
| 218-01-9   | Chrysene                   | 44.3  |           | 0.44 | 5.00       | ug/L  |
| 117-81-7   | Bis(2-ethylhexyl)phthalate | 44.2  |           | 1.60 | 5.00       | ug/L  |
| 117-84-0   | Di-n-octyl phthalate       | 44.4  |           | 2.30 | 10.0       | ug/L  |

## Report of Analysis

|                    |                  |                 |               |
|--------------------|------------------|-----------------|---------------|
| Client:            | G Environmental  | Date Collected: |               |
| Project:           | Amsterdam        | Date Received:  |               |
| Client Sample ID:  | PB167889BSD      | SDG No.:        | Q1945         |
| Lab Sample ID:     | PB167889BSD      | Matrix:         | Water         |
| Analytical Method: | SW8270           | % Solid:        | 0             |
| Sample Wt/Vol:     | 1000 Units: mL   | Final Vol:      | 1000 uL       |
| Soil Aliquot Vol:  | uL               | Test:           | SVOCMS Group1 |
| Extraction Type :  | Decanted : N     | Level :         | LOW           |
| Injection Volume : | GPC Factor : 1.0 | GPC Cleanup :   | N PH :        |
| Prep Method :      | SW3510C          |                 |               |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BM050143.D        | 1         | 05/07/25 08:53 | 05/08/25 12:39 | PB167889      |

| CAS Number                | Parameter                  | Conc.  | Qualifier | MDL                 | LOQ / CRQL | Units    |
|---------------------------|----------------------------|--------|-----------|---------------------|------------|----------|
| 205-99-2                  | Benzo(b)fluoranthene       | 44.1   |           | 0.49                | 5.00       | ug/L     |
| 207-08-9                  | Benzo(k)fluoranthene       | 43.1   |           | 0.48                | 5.00       | ug/L     |
| 50-32-8                   | Benzo(a)pyrene             | 44.6   |           | 0.55                | 5.00       | ug/L     |
| 193-39-5                  | Indeno(1,2,3-cd)pyrene     | 50.2   |           | 0.59                | 5.00       | ug/L     |
| 53-70-3                   | Dibenzo(a,h)anthracene     | 50.4   |           | 0.67                | 5.00       | ug/L     |
| 191-24-2                  | Benzo(g,h,i)perylene       | 50.4   |           | 0.69                | 5.00       | ug/L     |
| 95-94-3                   | 1,2,4,5-Tetrachlorobenzene | 45.8   |           | 0.52                | 5.00       | ug/L     |
| 123-91-1                  | 1,4-Dioxane                | 35.6   |           | 1.00                | 5.00       | ug/L     |
| 58-90-2                   | 2,3,4,6-Tetrachlorophenol  | 42.9   |           | 0.72                | 5.00       | ug/L     |
| <b>SURROGATES</b>         |                            |        |           |                     |            |          |
| 367-12-4                  | 2-Fluorophenol             | 134    |           | 15 (10) - 110 (139) | 89%        | SPK: 150 |
| 13127-88-3                | Phenol-d6                  | 129    |           | 15 (10) - 110 (134) | 86%        | SPK: 150 |
| 4165-60-0                 | Nitrobenzene-d5            | 78.3   |           | 30 (49) - 130 (133) | 78%        | SPK: 100 |
| 321-60-8                  | 2-Fluorobiphenyl           | 80.2   |           | 30 (52) - 130 (132) | 80%        | SPK: 100 |
| 118-79-6                  | 2,4,6-Tribromophenol       | 131    |           | 15 (44) - 110 (137) | 87%        | SPK: 150 |
| 1718-51-0                 | Terphenyl-d14              | 85.8   |           | 30 (48) - 130 (125) | 86%        | SPK: 100 |
| <b>INTERNAL STANDARDS</b> |                            |        |           |                     |            |          |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4     | 264000 | 7.74      |                     |            |          |
| 1146-65-2                 | Naphthalene-d8             | 911000 | 10.534    |                     |            |          |
| 15067-26-2                | Acenaphthene-d10           | 549000 | 14.392    |                     |            |          |
| 1517-22-2                 | Phenanthrene-d10           | 983000 | 17.139    |                     |            |          |
| 1719-03-5                 | Chrysene-d12               | 868000 | 21.386    |                     |            |          |
| 1520-96-3                 | Perylene-d12               | 894000 | 24.38     |                     |            |          |

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\_M\Methods\  
 Method File : 8270-BM042825.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 Last Update : Mon Apr 28 18:09:16 2025  
 Response Via : Initial Calibration

## Calibration Files

2.5 =BM050024.D 5 =BM050025.D 10 =BM050026.D 20 =BM050027.D 40 =BM050028.D 50 =BM050029.D 60 =BM050030.D 80 =BM050031.D

|       | Compound              | 2.5            | 5     | 10    | 20    | 40    | 50    | 60    | 80    | Avg   | %RSD  |
|-------|-----------------------|----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1) I  | 1,4-Dichlorobenzen... | -----ISTD----- |       |       |       |       |       |       |       |       |       |
| 2)    | 1,4-Dioxane           | 0.506          | 0.464 | 0.478 | 0.511 | 0.504 | 0.491 | 0.473 | 0.490 |       | 3.75  |
| 3)    | Pyridine              | 1.201          | 1.166 | 1.229 | 1.331 | 1.328 | 1.292 | 1.261 | 1.258 |       | 5.03  |
| 4)    | n-Nitrosodimet...     | 0.487          | 0.459 | 0.475 | 0.522 | 0.518 | 0.504 | 0.490 | 0.493 |       | 4.62  |
| 5) S  | 2-Fluorophenol        | 1.074          | 1.079 | 1.107 | 1.208 | 1.211 | 1.173 | 1.142 | 1.142 |       | 5.04  |
| 6)    | Aniline               | 1.657          | 1.689 | 1.768 | 1.942 | 1.922 | 1.875 | 1.835 | 1.813 |       | 6.16  |
| 7) S  | Phenol-d6             | 1.290          | 1.318 | 1.398 | 1.543 | 1.537 | 1.494 | 1.469 | 1.436 |       | 7.13  |
| 8)    | 2-Chlorophenol        | 1.169          | 1.161 | 1.198 | 1.312 | 1.301 | 1.268 | 1.235 | 1.235 |       | 4.96  |
| 9)    | Benzaldehyde          | 0.940          | 0.920 | 0.971 | 1.031 | 1.013 | 0.956 | 0.894 | 0.961 |       | 5.08  |
| 10) C | Phenol                | 1.349          | 1.344 | 1.420 | 1.539 | 1.537 | 1.501 | 1.483 | 1.453 |       | 5.73  |
| 11)   | bis(2-Chloroet...     | 1.213          | 1.105 | 1.176 | 1.279 | 1.271 | 1.233 | 1.218 | 1.213 |       | 4.90  |
| 12)   | 1,3-Dichlorobe...     | 1.483          | 1.428 | 1.453 | 1.566 | 1.552 | 1.508 | 1.453 | 1.492 |       | 3.51  |
| 13) C | 1,4-Dichlorobe...     | 1.518          | 1.418 | 1.463 | 1.561 | 1.557 | 1.516 | 1.458 | 1.499 |       | 3.60  |
| 14)   | 1,2-Dichlorobe...     | 1.420          | 1.393 | 1.423 | 1.522 | 1.506 | 1.464 | 1.405 | 1.448 |       | 3.50  |
| 15)   | Benzyl Alcohol        | 0.866          | 0.881 | 0.966 | 1.080 | 1.074 | 1.050 | 1.050 | 0.996 |       | 9.16  |
| 16)   | 2,2'-oxybis(1-...     | 1.487          | 1.422 | 1.445 | 1.552 | 1.513 | 1.473 | 1.433 | 1.475 |       | 3.17  |
| 17)   | 2-Methylphenol        | 0.857          | 0.893 | 0.931 | 1.033 | 1.026 | 0.988 | 0.975 | 0.957 |       | 6.96  |
| 18)   | Hexachloroethane      | 0.552          | 0.508 | 0.521 | 0.556 | 0.548 | 0.533 | 0.510 | 0.533 |       | 3.79  |
| 19) P | n-Nitroso-di-n...     | 0.802          | 0.889 | 0.885 | 0.921 | 1.003 | 0.988 | 0.949 | 0.928 | 0.921 | 6.95  |
| 20)   | 3+4-Methylphenols     | 1.137          | 1.170 | 1.267 | 1.393 | 1.392 | 1.349 | 1.341 | 1.293 |       | 8.09  |
| 21) I | Naphthalene-d8        | -----ISTD----- |       |       |       |       |       |       |       |       |       |
| 22)   | Acetophenone          | 0.483          | 0.464 | 0.485 | 0.531 | 0.525 | 0.506 | 0.487 | 0.497 |       | 4.94  |
| 23) S | Nitrobenzene-d5       | 0.386          | 0.374 | 0.397 | 0.434 | 0.433 | 0.417 | 0.400 | 0.406 |       | 5.68  |
| 24)   | Nitrobenzene          | 0.337          | 0.325 | 0.345 | 0.374 | 0.372 | 0.358 | 0.346 | 0.351 |       | 5.16  |
| 25)   | Isophorone            | 0.666          | 0.648 | 0.680 | 0.729 | 0.729 | 0.704 | 0.687 | 0.692 |       | 4.44  |
| 26) C | 2-Nitrophenol         | 0.148          | 0.157 | 0.172 | 0.196 | 0.198 | 0.192 | 0.191 | 0.179 |       | 11.33 |
| 27)   | 2,4-Dimethylph...     | 0.263          | 0.266 | 0.289 | 0.324 | 0.322 | 0.312 | 0.305 | 0.297 |       | 8.42  |
| 28)   | bis(2-Chloroet...     | 0.407          | 0.399 | 0.422 | 0.455 | 0.452 | 0.434 | 0.425 | 0.428 |       | 4.92  |
| 29) C | 2,4-Dichloroph...     | 0.294          | 0.298 | 0.326 | 0.362 | 0.359 | 0.351 | 0.342 | 0.333 |       | 8.47  |
| 30)   | 1,2,4-Trichlor...     | 0.400          | 0.384 | 0.394 | 0.427 | 0.426 | 0.412 | 0.399 | 0.406 |       | 4.02  |
| 31)   | Naphthalene           | 1.001          | 0.959 | 0.993 | 1.066 | 1.057 | 1.023 | 0.989 | 1.013 |       | 3.80  |
| 32)   | Benzoic acid          |                | 0.138 | 0.172 | 0.197 | 0.206 | 0.212 | 0.215 | 0.190 |       | 15.67 |
| 33)   | 4-Chloroaniline       | 0.361          | 0.393 | 0.404 | 0.441 | 0.448 | 0.437 | 0.423 | 0.415 |       | 7.51  |
| 34) C | Hexachlorobuta...     | 0.253          | 0.240 | 0.249 | 0.270 | 0.270 | 0.263 | 0.258 | 0.258 |       | 4.34  |
| 35)   | Caprolactam           | 0.090          | 0.085 | 0.095 | 0.104 | 0.104 | 0.102 | 0.100 | 0.097 |       | 7.73  |
| 36) C | 4-Chloro-3-met...     | 0.289          | 0.283 | 0.302 | 0.325 | 0.329 | 0.317 | 0.309 | 0.308 |       | 5.72  |
| 37)   | 2-Methylnaphth...     | 0.656          | 0.639 | 0.662 | 0.713 | 0.714 | 0.692 | 0.678 | 0.679 |       | 4.22  |
| 38)   | 1-Methylnaphth...     | 0.703          | 0.675 | 0.708 | 0.753 | 0.751 | 0.731 | 0.710 | 0.719 |       | 3.92  |

Method Path : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\  
 Method File : 8270-BM042825.M

|       |                   |                |       |       |       |       |       |       |       |       |  |
|-------|-------------------|----------------|-------|-------|-------|-------|-------|-------|-------|-------|--|
| 39) I | Acenaphthene-d10  | -----ISTD----- |       |       |       |       |       |       |       |       |  |
| 40)   | 1,2,4,5-Tetrac... | 0.624          | 0.622 | 0.655 | 0.742 | 0.745 | 0.725 | 0.733 | 0.692 | 8.17  |  |
| 41) P | Hexachlorocycl... | 0.303          | 0.362 | 0.455 | 0.468 | 0.467 | 0.483 | 0.423 | 17.30 |       |  |
| 42) S | 2,4,6-Tribromo... | 0.253          | 0.249 | 0.281 | 0.318 | 0.329 | 0.318 | 0.323 | 0.296 | 11.61 |  |
| 43) C | 2,4,6-Trichlor... | 0.372          | 0.381 | 0.423 | 0.476 | 0.485 | 0.467 | 0.469 | 0.439 | 10.76 |  |
| 44)   | 2,4,5-Trichlor... | 0.410          | 0.417 | 0.453 | 0.517 | 0.519 | 0.501 | 0.497 | 0.474 | 9.83  |  |
| 45) S | 2-Fluorobiphenyl  | 1.588          | 1.555 | 1.632 | 1.807 | 1.822 | 1.744 | 1.688 | 1.691 | 6.21  |  |
| 46)   | 1,1'-Biphenyl     | 1.427          | 1.395 | 1.452 | 1.573 | 1.581 | 1.507 | 1.473 | 1.487 | 4.77  |  |
| 47)   | 2-Chloronaphth... | 1.126          | 1.112 | 1.155 | 1.250 | 1.248 | 1.192 | 1.158 | 1.177 | 4.69  |  |
| 48)   | 2-Nitroaniline    | 0.238          | 0.242 | 0.269 | 0.302 | 0.304 | 0.294 | 0.286 | 0.276 | 9.96  |  |
| 49)   | Acenaphthylene    | 1.794          | 1.715 | 1.810 | 1.972 | 1.971 | 1.889 | 1.845 | 1.857 | 5.10  |  |
| 50)   | Dimethylphthalate | 1.444          | 1.377 | 1.437 | 1.532 | 1.543 | 1.470 | 1.429 | 1.462 | 4.02  |  |
| 51)   | 2,6-Dinitrotol... | 0.266          | 0.271 | 0.299 | 0.327 | 0.331 | 0.316 | 0.309 | 0.303 | 8.50  |  |
| 52) C | Acenaphthene      | 1.038          | 0.998 | 1.046 | 1.133 | 1.145 | 1.094 | 1.067 | 1.075 | 4.93  |  |
| 53)   | 3-Nitroaniline    | 0.233          | 0.247 | 0.284 | 0.321 | 0.325 | 0.311 | 0.302 | 0.289 | 12.47 |  |
| 54) P | 2,4-Dinitrophenol | 0.100          | 0.132 | 0.178 | 0.194 | 0.188 | 0.191 | 0.164 | 23.65 |       |  |
| 55)   | Dibenzofuran      | 1.749          | 1.681 | 1.749 | 1.876 | 1.888 | 1.810 | 1.763 | 1.788 | 4.17  |  |
| 56) P | 4-Nitrophenol     | 0.128          | 0.180 | 0.224 | 0.237 | 0.231 | 0.231 | 0.205 | 20.96 |       |  |
| 57)   | 2,4-Dinitrotol... | 0.338          | 0.366 | 0.412 | 0.456 | 0.468 | 0.447 | 0.440 | 0.418 | 11.72 |  |
| 58)   | Fluorene          | 1.387          | 1.343 | 1.431 | 1.558 | 1.573 | 1.500 | 1.453 | 1.463 | 5.84  |  |
| 59)   | 2,3,4,6-Tetrac... | 0.366          | 0.362 | 0.398 | 0.435 | 0.445 | 0.432 | 0.431 | 0.410 | 8.44  |  |
| 60)   | Diethylphthalate  | 1.372          | 1.301 | 1.380 | 1.433 | 1.451 | 1.376 | 1.328 | 1.377 | 3.86  |  |
| 61)   | 4-Chlorophenyl... | 0.741          | 0.716 | 0.770 | 0.857 | 0.871 | 0.836 | 0.836 | 0.804 | 7.58  |  |
| 62)   | 4-Nitroaniline    | 0.208          | 0.234 | 0.277 | 0.313 | 0.321 | 0.301 | 0.295 | 0.279 | 15.17 |  |
| 63)   | Azobenzene        | 1.118          | 1.091 | 1.150 | 1.216 | 1.229 | 1.165 | 1.110 | 1.154 | 4.59  |  |
| 64) I | Phenanthrene-d10  | -----ISTD----- |       |       |       |       |       |       |       |       |  |
| 65)   | 4,6-Dinitro-2-... | 0.088          | 0.110 | 0.135 | 0.142 | 0.138 | 0.137 | 0.125 | 17.16 |       |  |
| 66) c | n-Nitrosodiphe... | 0.580          | 0.572 | 0.596 | 0.655 | 0.657 | 0.629 | 0.610 | 0.614 | 5.56  |  |
| 67)   | 4-Bromophenyl-... | 0.223          | 0.216 | 0.229 | 0.258 | 0.258 | 0.256 | 0.253 | 0.242 | 7.60  |  |
| 68)   | Hexachlorobenzene | 0.265          | 0.251 | 0.264 | 0.294 | 0.295 | 0.291 | 0.291 | 0.279 | 6.49  |  |
| 69)   | Atrazine          | 0.196          | 0.198 | 0.214 | 0.236 | 0.242 | 0.234 | 0.230 | 0.222 | 8.47  |  |
| 70) C | Pentachlorophenol | 0.117          | 0.141 | 0.167 | 0.172 | 0.170 | 0.174 | 0.157 | 14.52 |       |  |
| 71)   | Phenanthrene      | 1.075          | 1.035 | 1.083 | 1.187 | 1.212 | 1.173 | 1.132 | 1.128 | 5.84  |  |
| 72)   | Anthracene        | 1.062          | 1.038 | 1.096 | 1.214 | 1.236 | 1.191 | 1.154 | 1.142 | 6.78  |  |
| 73)   | Carbazole         | 0.909          | 0.900 | 0.960 | 1.054 | 1.075 | 1.038 | 0.999 | 0.991 | 7.05  |  |
| 74)   | Di-n-butylphth... | 1.106          | 1.082 | 1.151 | 1.246 | 1.277 | 1.231 | 1.165 | 1.180 | 6.25  |  |
| 75) C | Fluoranthene      | 1.178          | 1.142 | 1.250 | 1.410 | 1.455 | 1.425 | 1.411 | 1.324 | 9.86  |  |
| 76) I | Chrysene-d12      | -----ISTD----- |       |       |       |       |       |       |       |       |  |
| 77)   | Benzidine         | 0.560          | 0.646 | 0.772 | 0.769 | 0.765 | 0.751 | 0.710 | 12.36 |       |  |
| 78)   | Pyrene            | 1.290          | 1.255 | 1.332 | 1.518 | 1.520 | 1.465 | 1.453 | 1.404 | 7.83  |  |
| 79) S | Terphenyl-d14     | 1.176          | 1.189 | 1.332 | 1.524 | 1.541 | 1.458 | 1.239 | 1.352 | 11.58 |  |
| 80)   | Butylbenzylpht... | 0.489          | 0.479 | 0.515 | 0.562 | 0.568 | 0.545 | 0.524 | 0.526 | 6.53  |  |
| 81)   | Benzo(a)anthra... | 1.280          | 1.231 | 1.321 | 1.478 | 1.479 | 1.442 | 1.408 | 1.377 | 7.24  |  |
| 82)   | 3,3'-Dichlorob... | 0.434          | 0.432 | 0.483 | 0.580 | 0.597 | 0.583 | 0.581 | 0.527 | 14.14 |  |
| 83)   | Chrysene          | 1.208          | 1.170 | 1.214 | 1.342 | 1.369 | 1.325 | 1.296 | 1.275 | 6.03  |  |
| 84)   | Bis(2-ethylhex... | 0.726          | 0.725 | 0.775 | 0.843 | 0.852 | 0.814 | 0.765 | 0.786 | 6.61  |  |
| 85) c | Di-n-octyl pht... | 1.221          | 1.197 | 1.267 | 1.366 | 1.404 | 1.341 | 1.275 | 1.296 | 5.92  |  |

Method Path : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\  
Method File : 8270-BM042825.M

|       |                   |                |       |       |       |       |       |       |       |       |
|-------|-------------------|----------------|-------|-------|-------|-------|-------|-------|-------|-------|
| 86) I | Perylene-d12      | -----ISTD----- |       |       |       |       |       |       |       |       |
| 87)   | Indeno(1,2,3-c... | 1.301          | 1.293 | 1.404 | 1.602 | 1.646 | 1.591 | 1.595 | 1.490 | 10.27 |
| 88)   | Benzo(b)fluora... | 1.128          | 1.149 | 1.209 | 1.406 | 1.415 | 1.408 | 1.390 | 1.301 | 10.16 |
| 89)   | Benzo(k)fluora... | 1.219          | 1.150 | 1.251 | 1.387 | 1.449 | 1.383 | 1.372 | 1.316 | 8.29  |
| 90) C | Benzo(a)pyrene    | 1.094          | 1.066 | 1.147 | 1.295 | 1.330 | 1.298 | 1.297 | 1.218 | 9.15  |
| 91)   | Dibenzo(a,h)an... | 1.056          | 1.044 | 1.142 | 1.300 | 1.347 | 1.305 | 1.310 | 1.215 | 10.72 |
| 92)   | Benzo(g,h,i)pe... | 1.066          | 1.030 | 1.105 | 1.236 | 1.268 | 1.224 | 1.212 | 1.163 | 8.07  |

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1945 SAS No.: Q1945 SDG No.: Q1945

Instrument ID: BNA\_M Calibration Date/Time: 05/07/2025 09:56

Lab File ID: BM050129.D Init. Calib. Date(s): 04/28/2025 04/28/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 12:30 17:04

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

| COMPOUND                    | RRF   | RRF040 | MIN<br>RRF | %D    | MAX%D |
|-----------------------------|-------|--------|------------|-------|-------|
| 2-Fluorophenol              | 1.142 | 1.113  |            | -2.5  |       |
| Benzaldehyde                | 0.961 | 0.911  |            | -5.2  |       |
| Aniline                     | 1.813 | 1.767  |            | -2.5  |       |
| Phenol-d6                   | 1.436 | 1.401  |            | -2.4  |       |
| Phenol                      | 1.453 | 1.425  |            | -1.9  | 20.0  |
| bis(2-Chloroethyl)ether     | 1.214 | 1.149  |            | -5.4  |       |
| 2-Chlorophenol              | 1.235 | 1.194  |            | -3.3  |       |
| 2-Methylphenol              | 0.957 | 0.941  |            | -1.7  |       |
| 2,2-oxybis(1-Chloropropane) | 1.475 | 1.451  |            | -1.6  |       |
| Acetophenone                | 0.497 | 0.472  |            | -5.0  |       |
| 3+4-Methylphenols           | 1.293 | 1.266  |            | -2.1  |       |
| n-Nitroso-di-n-propylamine  | 0.921 | 0.900  | 0.050      | -2.3  |       |
| Nitrobenzene-d5             | 0.406 | 0.388  |            | -4.4  |       |
| Hexachloroethane            | 0.533 | 0.501  |            | -6.0  |       |
| Nitrobenzene                | 0.351 | 0.337  |            | -4.0  |       |
| Isophorone                  | 0.692 | 0.664  |            | -4.0  |       |
| 2-Nitrophenol               | 0.179 | 0.179  |            | 0.0   | 20.0  |
| 2,4-Dimethylphenol          | 0.297 | 0.291  |            | -2.0  |       |
| bis(2-Chloroethoxy)methane  | 0.428 | 0.407  |            | -4.9  |       |
| 2,4-Dichlorophenol          | 0.333 | 0.323  |            | -3.0  | 20.0  |
| Naphthalene                 | 1.013 | 0.949  |            | -6.3  |       |
| 4-Chloroaniline             | 0.415 | 0.401  |            | -3.4  |       |
| Hexachlorobutadiene         | 0.258 | 0.239  |            | -7.4  | 20.0  |
| Caprolactam                 | 0.097 | 0.094  |            | -3.1  |       |
| 4-Chloro-3-methylphenol     | 0.308 | 0.294  |            | -4.5  | 20.0  |
| 2-Methylnaphthalene         | 0.679 | 0.636  |            | -6.3  |       |
| Hexachlorocyclopentadiene   | 0.423 | 0.361  | 0.050      | -14.7 |       |
| 2,4,6-Trichlorophenol       | 0.439 | 0.428  |            | -2.5  | 20.0  |
| 2-Fluorobiphenyl            | 1.691 | 1.612  |            | -4.7  |       |
| 2,4,5-Trichlorophenol       | 0.474 | 0.464  |            | -2.1  |       |
| 1,1-Biphenyl                | 1.487 | 1.400  |            | -5.9  |       |
| 2-Chloronaphthalene         | 1.177 | 1.109  |            | -5.8  |       |
| 2-Nitroaniline              | 0.276 | 0.279  |            | 1.1   |       |
| Dimethylphthalate           | 1.462 | 1.370  |            | -6.3  |       |
| Acenaphthylene              | 1.857 | 1.752  |            | -5.7  |       |
| 2,6-Dinitrotoluene          | 0.303 | 0.297  |            | -2.0  |       |
| 3-Nitroaniline              | 0.289 | 0.290  |            | 0.3   |       |
| Acenaphthene                | 1.075 | 1.006  |            | -6.4  | 20.0  |
| 2,4-Dinitrophenol           | 0.164 | 0.160  | 0.050      | -2.4  |       |

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1945 SAS No.: Q1945 SDG No.: Q1945

Instrument ID: BNA\_M Calibration Date/Time: 05/07/2025 09:56

Lab File ID: BM050129.D Init. Calib. Date(s): 04/28/2025 04/28/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 12:30 17:04

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

| COMPOUND                     | RRF   | RRF040 | MIN<br>RRF | %D   | MAX%D |
|------------------------------|-------|--------|------------|------|-------|
| 4-Nitrophenol                | 0.205 | 0.189  | 0.050      | -7.8 |       |
| Dibenzofuran                 | 1.788 | 1.674  |            | -6.4 |       |
| 2,4-Dinitrotoluene           | 0.418 | 0.415  |            | -0.7 |       |
| Diethylphthalate             | 1.377 | 1.278  |            | -7.2 |       |
| 4-Chlorophenyl-phenylether   | 0.804 | 0.755  |            | -6.1 |       |
| Fluorene                     | 1.463 | 1.378  |            | -5.8 |       |
| 4-Nitroaniline               | 0.279 | 0.284  |            | 1.8  |       |
| 4,6-Dinitro-2-methylphenol   | 0.125 | 0.121  |            | -3.2 |       |
| n-Nitrosodiphenylamine       | 0.614 | 0.583  |            | -5.0 | 20.0  |
| 2,4,6-Tribromophenol         | 0.296 | 0.285  |            | -3.7 |       |
| 4-Bromophenyl-phenylether    | 0.242 | 0.230  |            | -5.0 |       |
| Hexachlorobenzene            | 0.279 | 0.263  |            | -5.7 |       |
| Atrazine                     | 0.222 | 0.211  |            | -5.0 |       |
| Pentachlorophenol            | 0.157 | 0.144  |            | -8.3 | 20.0  |
| Phenanthrene                 | 1.128 | 1.052  |            | -6.7 |       |
| Anthracene                   | 1.142 | 1.076  |            | -5.8 |       |
| Carbazole                    | 0.991 | 0.951  |            | -4.0 |       |
| Di-n-butylphthalate          | 1.180 | 1.112  |            | -5.8 |       |
| Fluoranthene                 | 1.324 | 1.258  |            | -5.0 | 20.0  |
| Pyrene                       | 1.404 | 1.381  |            | -1.6 |       |
| Terphenyl-d14                | 1.352 | 1.351  |            | -0.1 |       |
| Butylbenzylphthalate         | 0.526 | 0.517  |            | -1.7 |       |
| 3,3-Dichlorobenzidine        | 0.527 | 0.511  |            | -3.0 |       |
| Benzo (a) anthracene         | 1.377 | 1.299  |            | -5.7 |       |
| Chrysene                     | 1.275 | 1.183  |            | -7.2 |       |
| Bis (2-ethylhexyl) phthalate | 0.786 | 0.740  |            | -5.9 |       |
| Di-n-octyl phthalate         | 1.296 | 1.213  |            | -6.4 | 20.0  |
| Benzo (b) fluoranthene       | 1.301 | 1.180  |            | -9.3 |       |
| Benzo (k) fluoranthene       | 1.316 | 1.208  |            | -8.2 |       |
| Benzo (a) pyrene             | 1.218 | 1.131  |            | -7.1 | 20.0  |
| Indeno (1,2,3-cd) pyrene     | 1.490 | 1.413  |            | -5.2 |       |
| Dibenzo (a,h) anthracene     | 1.215 | 1.160  |            | -4.5 |       |
| Benzo (g,h,i) perylene       | 1.163 | 1.102  |            | -5.2 |       |
| 1,2,4,5-Tetrachlorobenzene   | 0.692 | 0.657  |            | -5.1 |       |
| 1,4-Dioxane                  | 0.490 | 0.461  |            | -5.9 | 20.0  |
| 2,3,4,6-Tetrachlorophenol    | 0.410 | 0.388  |            | -5.4 |       |

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.: Q1945 SAS No.: Q1945 SDG No.: Q1945  
Instrument ID: BNA\_M Calibration Date/Time: 05/08/2025 10:41  
Lab File ID: BM050140.D Init. Calib. Date(s): 04/28/2025 04/28/2025  
EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 12:30 17:04  
GC Column: ZB-GR ID: 0.25 (mm)

| COMPOUND                    | RRF   | RRF040 | MIN<br>RRF | %D   | MAX%D |
|-----------------------------|-------|--------|------------|------|-------|
| 2-Fluorophenol              | 1.142 | 1.109  |            | -2.9 |       |
| Benzaldehyde                | 0.961 | 0.933  |            | -2.9 |       |
| Aniline                     | 1.813 | 1.775  |            | -2.1 |       |
| Phenol-d6                   | 1.436 | 1.425  |            | -0.8 |       |
| Phenol                      | 1.453 | 1.439  |            | -1.0 | 20.0  |
| bis(2-Chloroethyl) ether    | 1.214 | 1.166  |            | -4.0 |       |
| 2-Chlorophenol              | 1.235 | 1.198  |            | -3.0 |       |
| 2-Methylphenol              | 0.957 | 0.937  |            | -2.1 |       |
| 2,2-oxybis(1-Chloropropane) | 1.475 | 1.453  |            | -1.5 |       |
| Acetophenone                | 0.497 | 0.474  |            | -4.6 |       |
| 3+4-Methylphenols           | 1.293 | 1.279  |            | -1.1 |       |
| n-Nitroso-di-n-propylamine  | 0.921 | 0.911  | 0.050      | -1.1 |       |
| Nitrobenzene-d5             | 0.406 | 0.390  |            | -3.9 |       |
| Hexachloroethane            | 0.533 | 0.500  |            | -6.2 |       |
| Nitrobenzene                | 0.351 | 0.337  |            | -4.0 |       |
| Isophorone                  | 0.692 | 0.663  |            | -4.2 |       |
| 2-Nitrophenol               | 0.179 | 0.183  |            | 2.2  | 20.0  |
| 2,4-Dimethylphenol          | 0.297 | 0.293  |            | -1.3 |       |
| bis(2-Chloroethoxy) methane | 0.428 | 0.411  |            | -4.0 |       |
| 2,4-Dichlorophenol          | 0.333 | 0.322  |            | -3.3 | 20.0  |
| Naphthalene                 | 1.013 | 0.949  |            | -6.3 |       |
| 4-Chloroaniline             | 0.415 | 0.399  |            | -3.9 |       |
| Hexachlorobutadiene         | 0.258 | 0.244  |            | -5.4 | 20.0  |
| Caprolactam                 | 0.097 | 0.090  |            | -7.2 |       |
| 4-Chloro-3-methylphenol     | 0.308 | 0.293  |            | -4.9 | 20.0  |
| 2-Methylnaphthalene         | 0.679 | 0.643  |            | -5.3 |       |
| Hexachlorocyclopentadiene   | 0.423 | 0.394  | 0.050      | -6.9 |       |
| 2,4,6-Trichlorophenol       | 0.439 | 0.444  |            | 1.1  | 20.0  |
| 2-Fluorobiphenyl            | 1.691 | 1.640  |            | -3.0 |       |
| 2,4,5-Trichlorophenol       | 0.474 | 0.470  |            | -0.8 |       |
| 1,1-Biphenyl                | 1.487 | 1.422  |            | -4.4 |       |
| 2-Chloronaphthalene         | 1.177 | 1.124  |            | -4.5 |       |
| 2-Nitroaniline              | 0.276 | 0.277  |            | 0.4  |       |
| Dimethylphthalate           | 1.462 | 1.353  |            | -7.5 |       |
| Acenaphthylene              | 1.857 | 1.762  |            | -5.1 |       |
| 2,6-Dinitrotoluene          | 0.303 | 0.293  |            | -3.3 |       |
| 3-Nitroaniline              | 0.289 | 0.282  |            | -2.4 |       |
| Acenaphthene                | 1.075 | 1.012  |            | -5.9 | 20.0  |
| 2,4-Dinitrophenol           | 0.164 | 0.155  | 0.050      | -5.5 |       |

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1945 SAS No.: Q1945 SDG No.: Q1945

Instrument ID: BNA\_M Calibration Date/Time: 05/08/2025 10:41

Lab File ID: BM050140.D Init. Calib. Date(s): 04/28/2025 04/28/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 12:30 17:04

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

| COMPOUND                     | RRF   | RRF040 | MIN<br>RRF | %D    | MAX%D |
|------------------------------|-------|--------|------------|-------|-------|
| 4-Nitrophenol                | 0.205 | 0.181  | 0.050      | -11.7 |       |
| Dibenzofuran                 | 1.788 | 1.680  |            | -6.0  |       |
| 2,4-Dinitrotoluene           | 0.418 | 0.409  |            | -2.2  |       |
| Diethylphthalate             | 1.377 | 1.253  |            | -9.0  |       |
| 4-Chlorophenyl-phenylether   | 0.804 | 0.768  |            | -4.5  |       |
| Fluorene                     | 1.463 | 1.365  |            | -6.7  |       |
| 4-Nitroaniline               | 0.279 | 0.246  |            | -11.8 |       |
| 4,6-Dinitro-2-methylphenol   | 0.125 | 0.121  |            | -3.2  |       |
| n-Nitrosodiphenylamine       | 0.614 | 0.603  |            | -1.8  | 20.0  |
| 2,4,6-Tribromophenol         | 0.296 | 0.286  |            | -3.4  |       |
| 4-Bromophenyl-phenylether    | 0.242 | 0.240  |            | -0.8  |       |
| Hexachlorobenzene            | 0.279 | 0.271  |            | -2.9  |       |
| Atrazine                     | 0.222 | 0.212  |            | -4.5  |       |
| Pentachlorophenol            | 0.157 | 0.148  |            | -5.7  | 20.0  |
| Phenanthrene                 | 1.128 | 1.059  |            | -6.1  |       |
| Anthracene                   | 1.142 | 1.078  |            | -5.6  |       |
| Carbazole                    | 0.991 | 0.919  |            | -7.3  |       |
| Di-n-butylphthalate          | 1.180 | 1.082  |            | -8.3  |       |
| Fluoranthene                 | 1.324 | 1.185  |            | -10.5 | 20.0  |
| Pyrene                       | 1.404 | 1.584  |            | 12.8  |       |
| Terphenyl-d14                | 1.352 | 1.555  |            | 15.0  |       |
| Butylbenzylphthalate         | 0.526 | 0.538  |            | 2.3   |       |
| 3,3-Dichlorobenzidine        | 0.527 | 0.482  |            | -8.5  |       |
| Benzo (a) anthracene         | 1.377 | 1.314  |            | -4.6  |       |
| Chrysene                     | 1.275 | 1.201  |            | -5.8  |       |
| Bis (2-ethylhexyl) phthalate | 0.786 | 0.738  |            | -6.1  |       |
| Di-n-octyl phthalate         | 1.296 | 1.114  |            | -14.0 | 20.0  |
| Benzo (b) fluoranthene       | 1.301 | 1.242  |            | -4.5  |       |
| Benzo (k) fluoranthene       | 1.316 | 1.279  |            | -2.8  |       |
| Benzo (a) pyrene             | 1.218 | 1.160  |            | -4.8  | 20.0  |
| Indeno (1,2,3-cd) pyrene     | 1.490 | 1.414  |            | -5.1  |       |
| Dibenzo (a,h) anthracene     | 1.215 | 1.154  |            | -5.0  |       |
| Benzo (g,h,i) perylene       | 1.163 | 1.097  |            | -5.7  |       |
| 1,2,4,5-Tetrachlorobenzene   | 0.692 | 0.686  |            | -0.9  |       |
| 1,4-Dioxane                  | 0.490 | 0.453  |            | -7.6  | 20.0  |
| 2,3,4,6-Tetrachlorophenol    | 0.410 | 0.385  |            | -6.1  |       |

All other compounds must meet a minimum RRF of 0.010.



# SAMPLE RAW DATA



Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM050725\  
Data File : BM050134.D  
Acq On : 07 May 2025 14:26  
Operator : RC/JU  
Sample : Q1945-01  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
GB1W

Quant Time: May 07 15:01:06 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM042825.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Apr 28 18:09:16 2025  
Response via : Initial Calibration

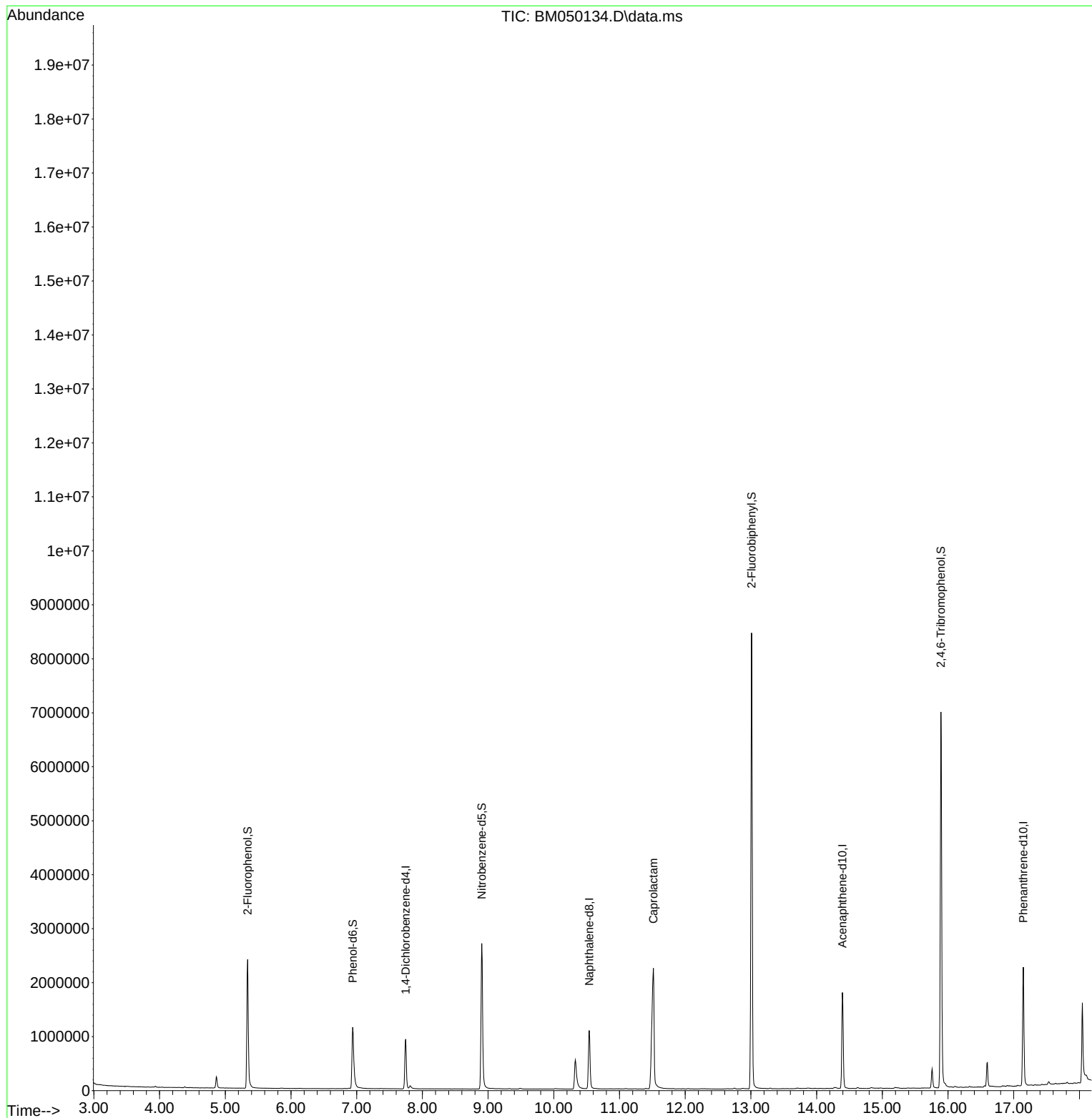
| Compound                    | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-----------------------------|--------|------|----------|---------|-------|----------|
| -----                       |        |      |          |         |       |          |
| Internal Standards          |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.746  | 152  | 277291   | 20.000  | ng    | -0.02    |
| 21) Naphthalene-d8          | 10.540 | 136  | 994970   | 20.000  | ng    | -0.02    |
| 39) Acenaphthene-d10        | 14.392 | 164  | 676090   | 20.000  | ng    | -0.02    |
| 64) Phenanthrene-d10        | 17.145 | 188  | 1357979  | 20.000  | ng    | -0.01    |
| 76) Chrysene-d12            | 21.392 | 240  | 1252372  | 20.000  | ng    | 0.00     |
| 86) Perylene-d12            | 24.386 | 264  | 1282159  | 20.000  | ng    | -0.02    |
|                             |        |      |          |         |       |          |
| System Monitoring Compounds |        |      |          |         |       |          |
| 5) 2-Fluorophenol           | 5.340  | 112  | 1154676  | 72.917  | ng    | -0.02    |
| 7) Phenol-d6                | 6.940  | 99   | 906174   | 45.529  | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 8.904  | 82   | 1712536  | 84.814  | ng    | -0.02    |
| 42) 2,4,6-Tribromophenol    | 15.892 | 330  | 1605708  | 160.621 | ng    | -0.01    |
| 45) 2-Fluorobiphenyl        | 13.010 | 172  | 4624825  | 80.923  | ng    | -0.02    |
| 79) Terphenyl-d14           | 19.774 | 244  | 7828359  | 92.496  | ng    | 0.00     |
|                             |        |      |          |         |       |          |
| Target Compounds            |        |      |          |         |       | Qvalue   |
| 35) Caprolactam             | 11.516 | 113  | 646736   | 133.856 | ng    | 96       |
| -----                       |        |      |          |         |       |          |

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

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM050725\  
Data File : BM050134.D  
Acq On : 07 May 2025 14:26  
Operator : RC/JU  
Sample : Q1945-01  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
GB1W

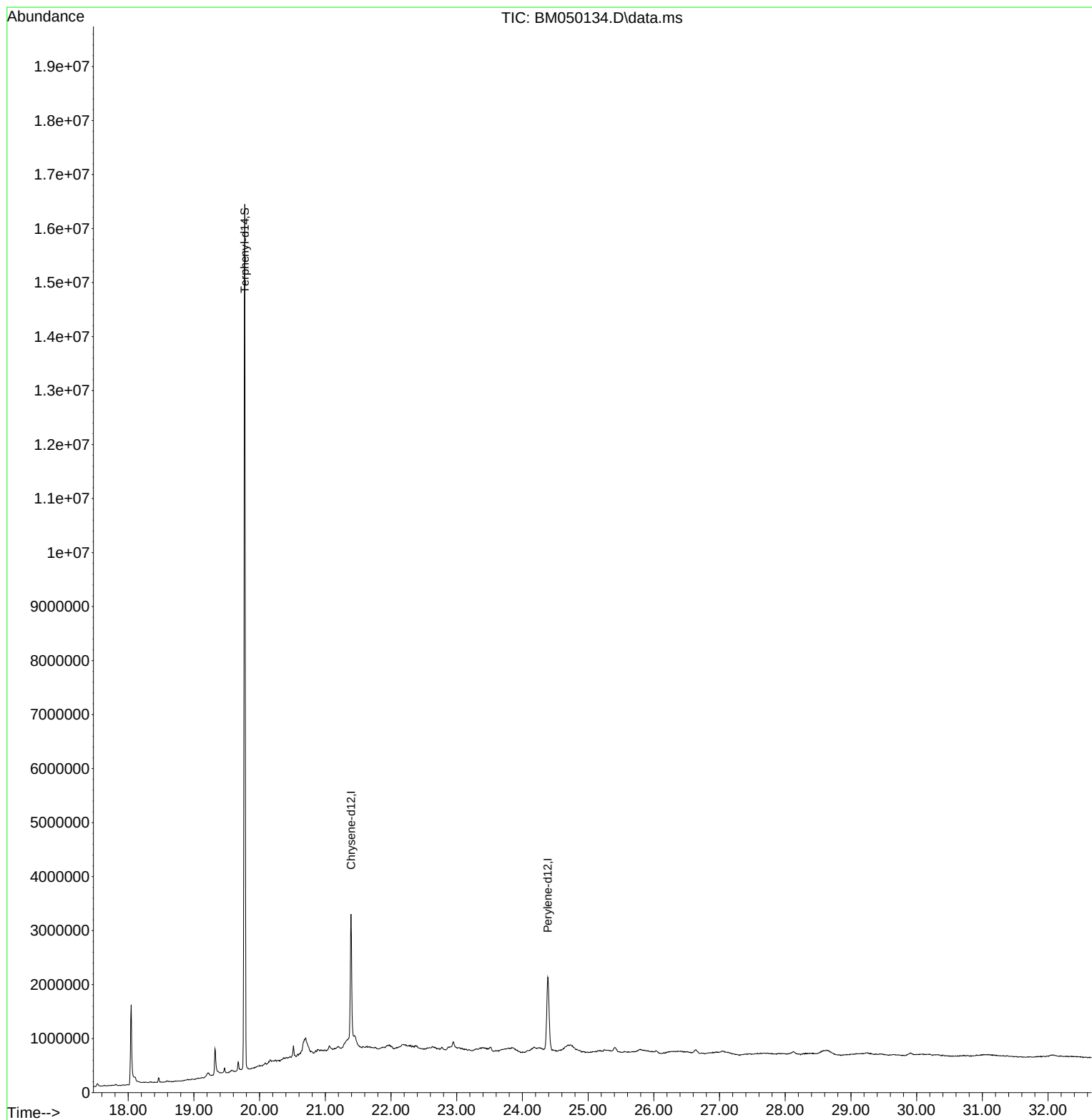
Quant Time: May 07 15:01:06 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM042825.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Apr 28 18:09:16 2025  
Response via : Initial Calibration

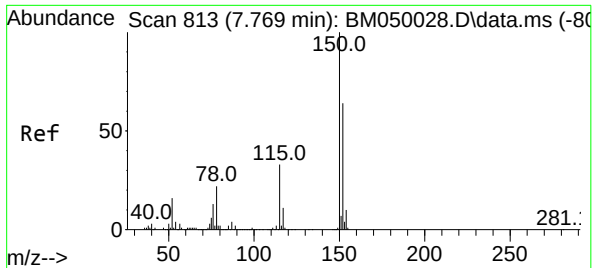


Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM050725\  
Data File : BM050134.D  
Acq On : 07 May 2025 14:26  
Operator : RC/JU  
Sample : Q1945-01  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
GB1W

Quant Time: May 07 15:01:06 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM042825.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Apr 28 18:09:16 2025  
Response via : Initial Calibration

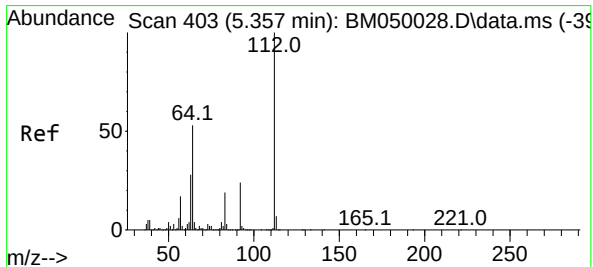
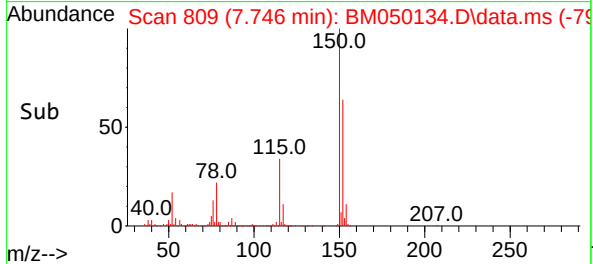
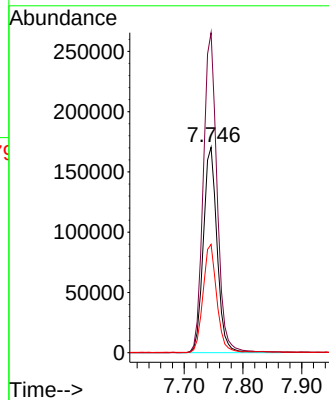
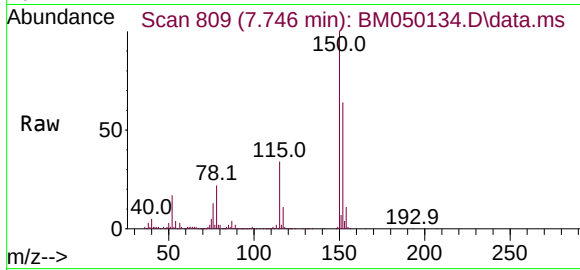




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.746 min Scan# 809  
Delta R.T. -0.023 min  
Lab File: BM050134.D  
Acq: 07 May 2025 14:26

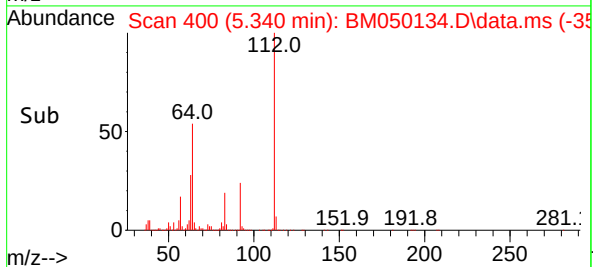
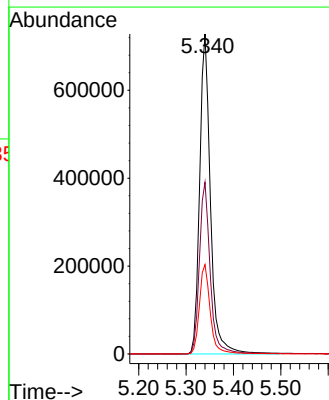
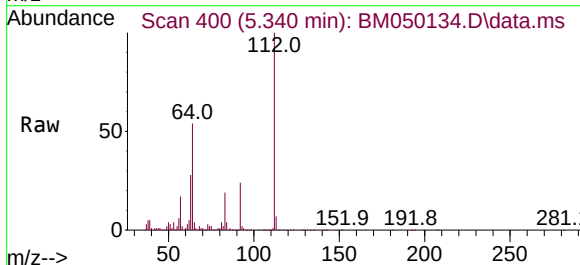
Instrument :  
BNA\_M  
ClientSampleId :  
GB1W

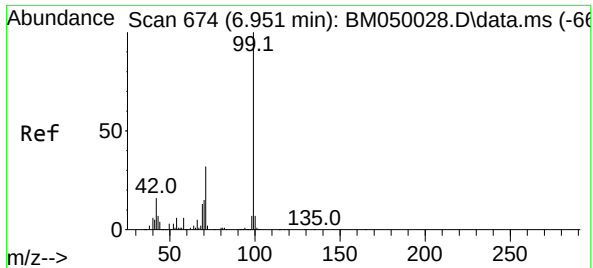
Tgt Ion:152 Resp: 277291  
Ion Ratio Lower Upper  
152 100  
150 155.7 124.1 186.1  
115 52.7 41.2 61.8



#5  
2-Fluorophenol  
Concen: 72.917 ng  
RT: 5.340 min Scan# 400  
Delta R.T. -0.017 min  
Lab File: BM050134.D  
Acq: 07 May 2025 14:26

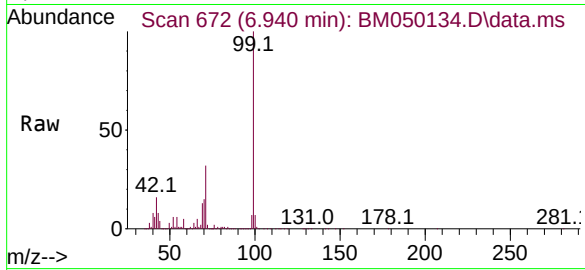
Tgt Ion:112 Resp: 1154676  
Ion Ratio Lower Upper  
112 100  
64 53.7 42.6 64.0  
63 28.0 22.2 33.4



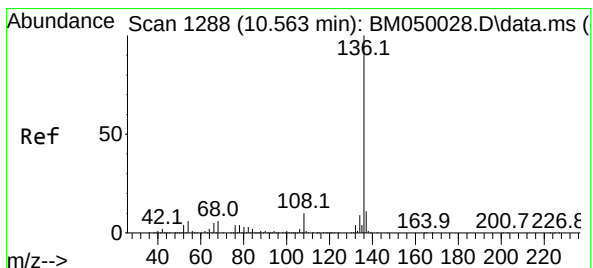
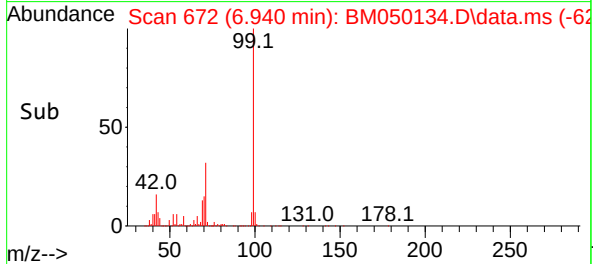
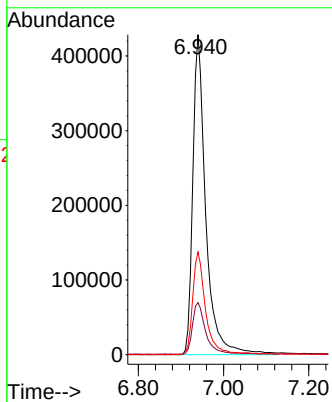


#7  
Phenol-d6  
Concen: 45.529 ng  
RT: 6.940 min Scan# 61  
Delta R.T. -0.012 min  
Lab File: BM050134.D  
Acq: 07 May 2025 14:26

Instrument :  
BNA\_M  
ClientSampleId :  
GB1W

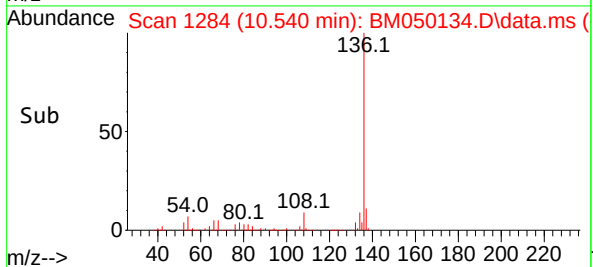
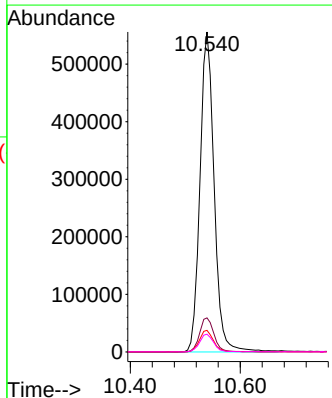
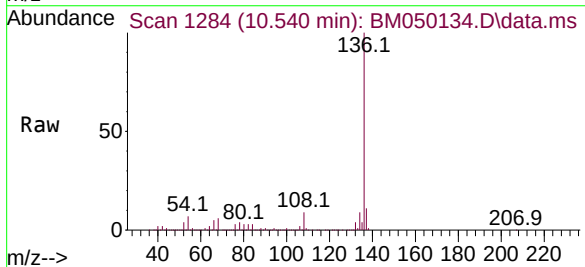


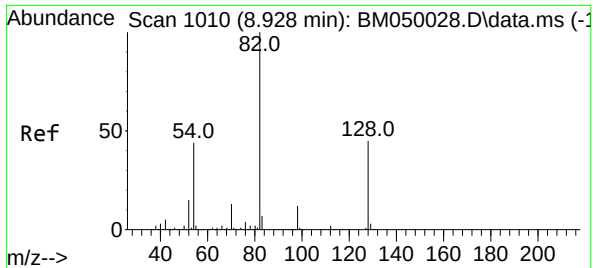
Tgt Ion: 99 Resp: 906174  
Ion Ratio Lower Upper  
99 100  
42 16.3 13.0 19.4  
71 32.1 25.6 38.4



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.540 min Scan# 1284  
Delta R.T. -0.023 min  
Lab File: BM050134.D  
Acq: 07 May 2025 14:26

Tgt Ion: 136 Resp: 994970  
Ion Ratio Lower Upper  
136 100  
137 10.6 8.9 13.3  
54 6.8 5.1 7.7  
68 5.5 4.4 6.6





#23

Nitrobenzene-d5

Concen: 84.814 ng

RT: 8.904 min Scan# 1010

Delta R.T. -0.023 min

Lab File: BM050134.D

Acq: 07 May 2025 14:26

Instrument :

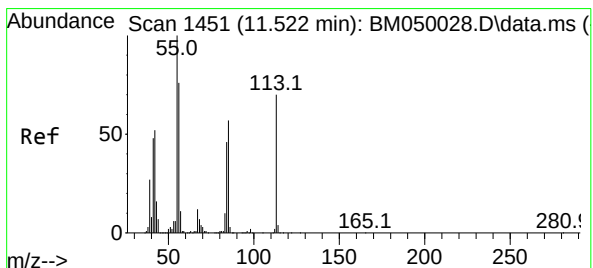
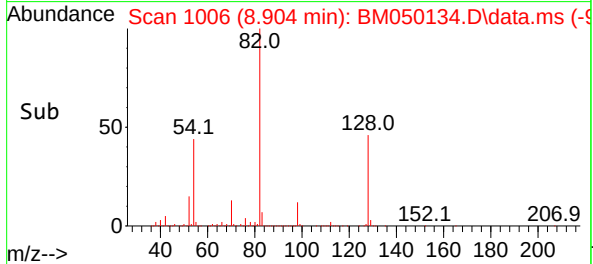
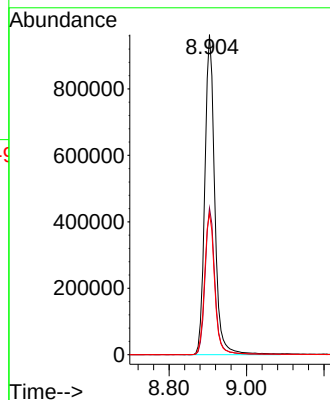
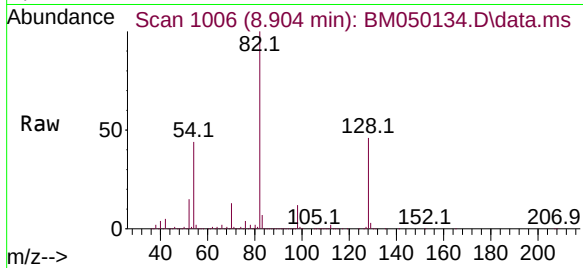
BNA\_M

ClientSampleId :

GB1W

Tgt Ion: 82 Resp: 1712536

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 45.9  | 35.7  | 53.5  |
| 54  | 44.1  | 35.4  | 53.2  |



#35

Caprolactam

Concen: 133.856 ng

RT: 11.516 min Scan# 1450

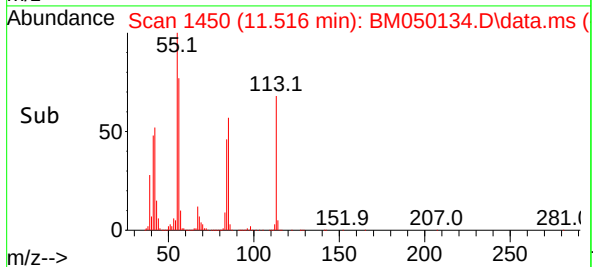
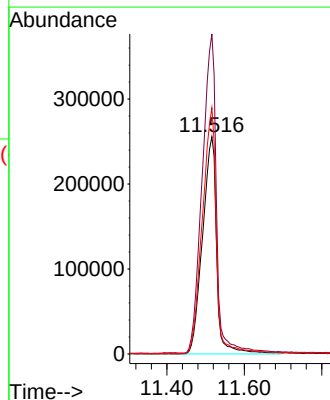
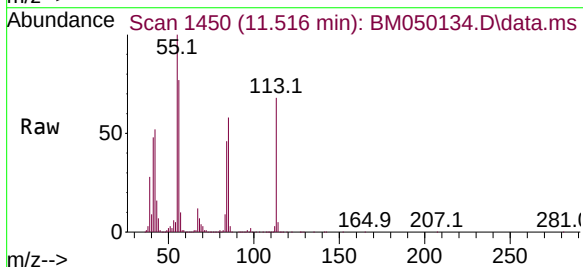
Delta R.T. -0.006 min

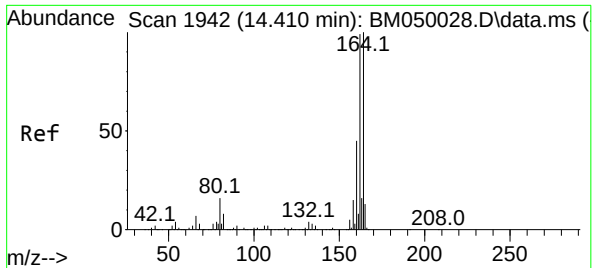
Lab File: BM050134.D

Acq: 07 May 2025 14:26

Tgt Ion: 113 Resp: 646736

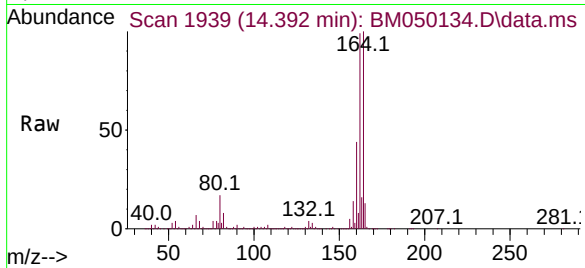
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 113 | 100   |       |       |
| 55  | 147.2 | 122.9 | 162.9 |
| 56  | 113.3 | 88.1  | 128.1 |



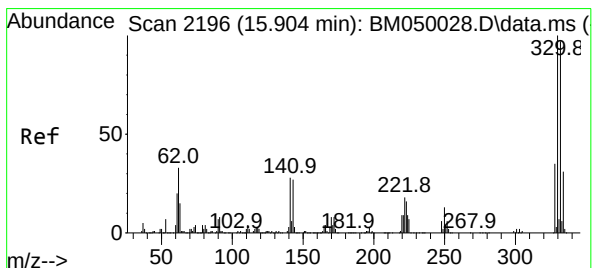
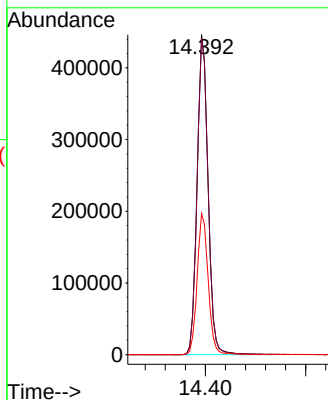
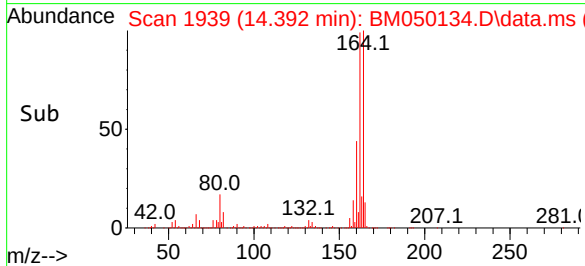


#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.392 min Scan# 1939  
Delta R.T. -0.018 min  
Lab File: BM050134.D  
Acq: 07 May 2025 14:26

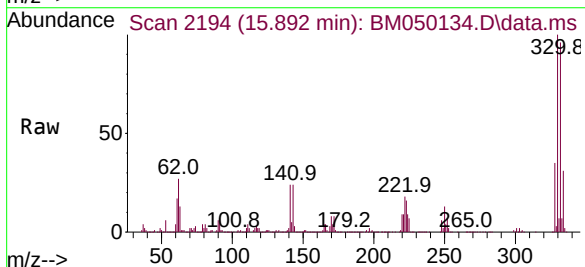
Instrument :  
BNA\_M  
ClientSampleId :  
GB1W



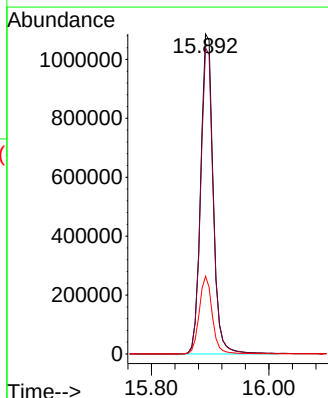
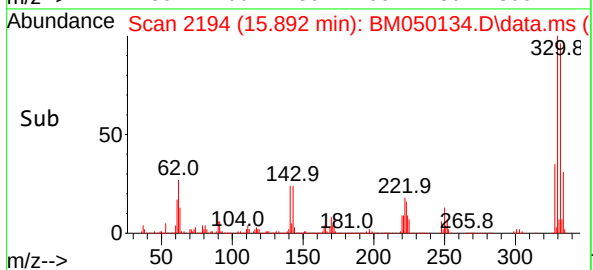
Tgt Ion:164 Resp: 676090  
Ion Ratio Lower Upper  
164 100  
162 99.0 79.4 119.0  
160 44.1 36.2 54.4

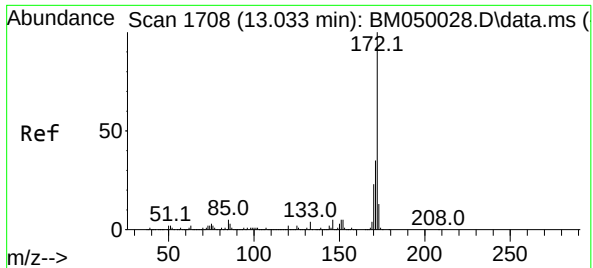


#42  
2,4,6-Tribromophenol  
Concen: 160.621 ng  
RT: 15.892 min Scan# 2194  
Delta R.T. -0.012 min  
Lab File: BM050134.D  
Acq: 07 May 2025 14:26



Tgt Ion:330 Resp: 1605708  
Ion Ratio Lower Upper  
330 100  
332 96.3 77.3 115.9  
141 25.2 22.5 33.7

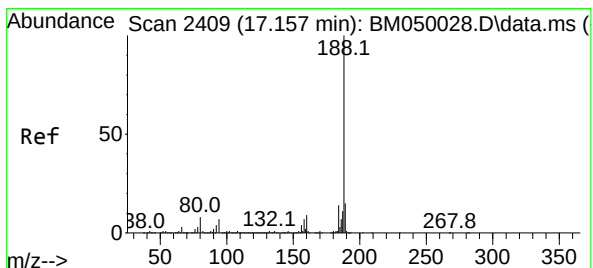
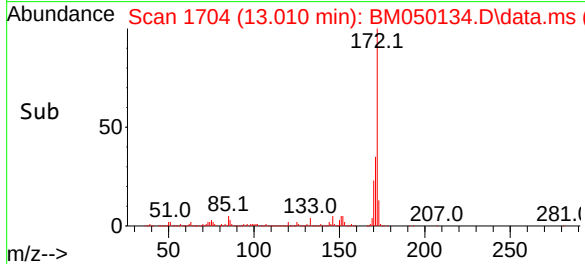
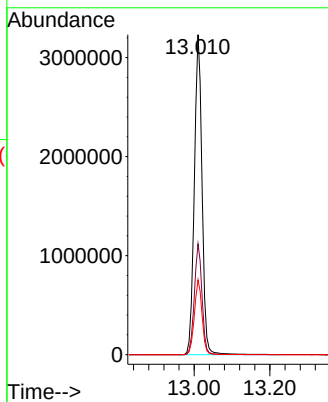
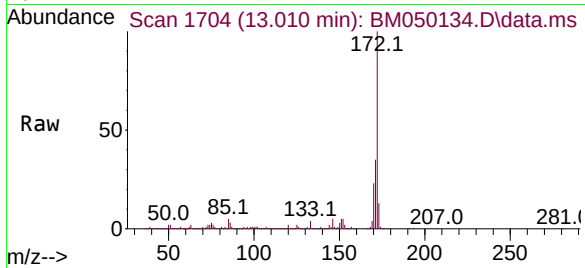




#45  
2-Fluorobiphenyl  
Concen: 80.923 ng  
RT: 13.010 min Scan# 1  
Delta R.T. -0.023 min  
Lab File: BM050134.D  
Acq: 07 May 2025 14:26

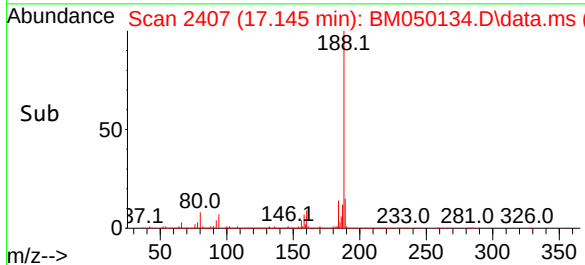
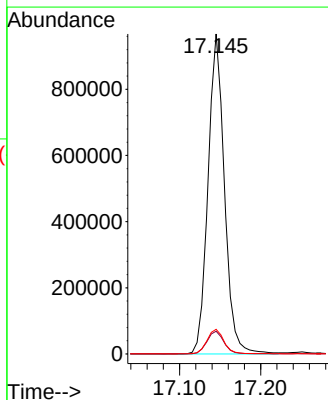
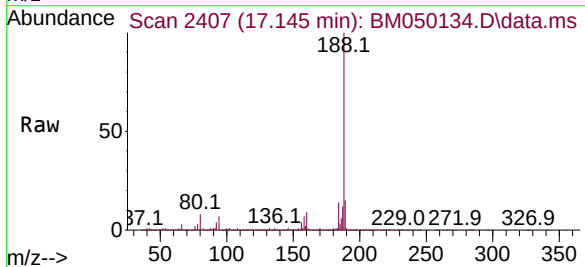
Instrument :  
BNA\_M  
ClientSampleId :  
GB1W

Tgt Ion:172 Resp: 4624825  
Ion Ratio Lower Upper  
172 100  
171 34.6 27.8 41.6  
170 23.4 18.6 28.0

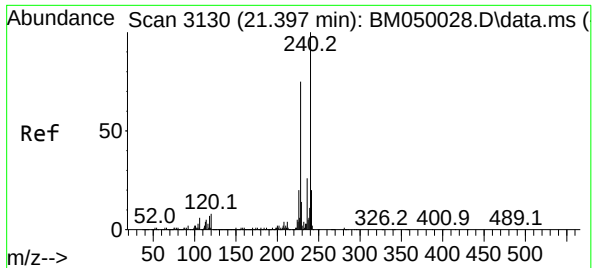


#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.145 min Scan# 2407  
Delta R.T. -0.012 min  
Lab File: BM050134.D  
Acq: 07 May 2025 14:26

Tgt Ion:188 Resp: 1357979  
Ion Ratio Lower Upper  
188 100  
94 7.1 5.7 8.5  
80 7.7 6.2 9.4



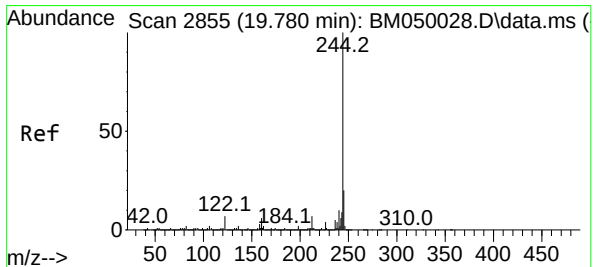
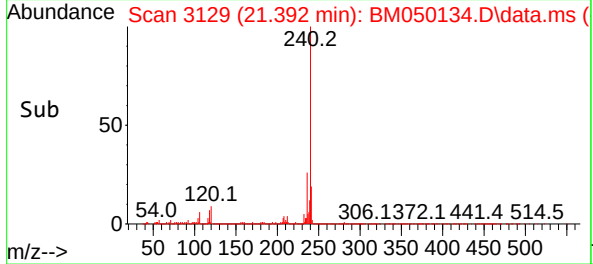
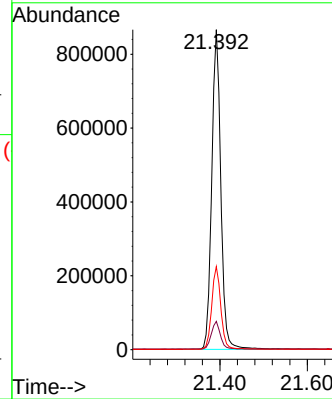
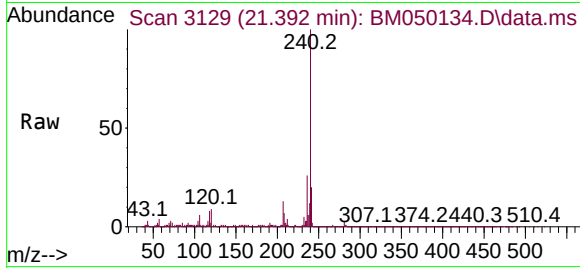




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.392 min Scan# 31  
Delta R.T. -0.005 min  
Lab File: BM050134.D  
Acq: 07 May 2025 14:26

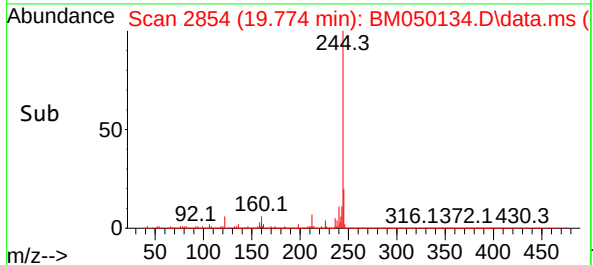
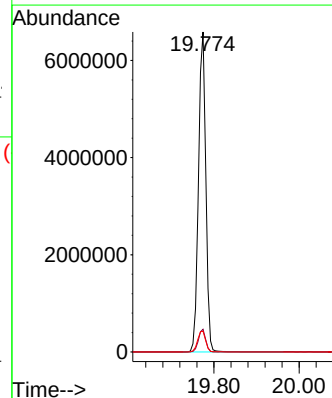
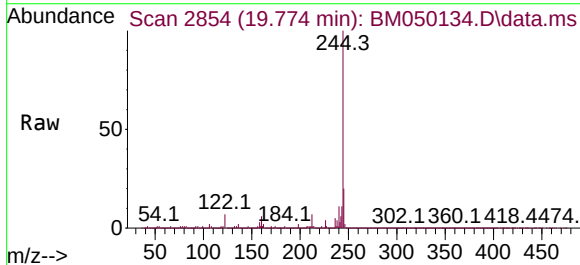
Instrument :  
BNA\_M  
ClientSampleId :  
GB1W

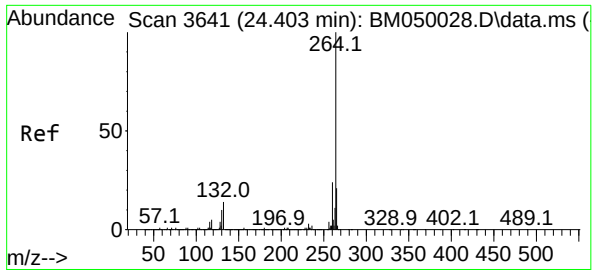
Tgt Ion:240 Resp: 1252372  
Ion Ratio Lower Upper  
240 100  
120 8.9 6.5 9.7  
236 25.9 20.9 31.3



#79  
Terphenyl-d14  
Concen: 92.496 ng  
RT: 19.774 min Scan# 2854  
Delta R.T. -0.006 min  
Lab File: BM050134.D  
Acq: 07 May 2025 14:26

Tgt Ion:244 Resp: 7828359  
Ion Ratio Lower Upper  
244 100  
212 7.1 5.6 8.4  
122 6.5 5.6 8.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.386 min Scan# 30

Delta R.T. -0.017 min

Lab File: BM050134.D

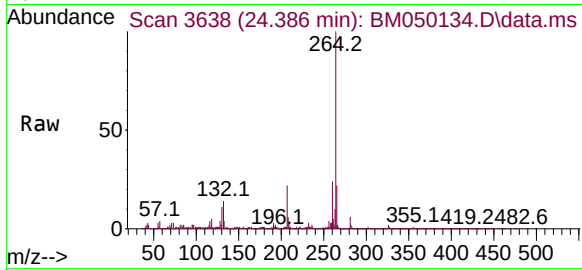
Acq: 07 May 2025 14:26

Instrument :

BNA\_M

ClientSampleId :

GB1W



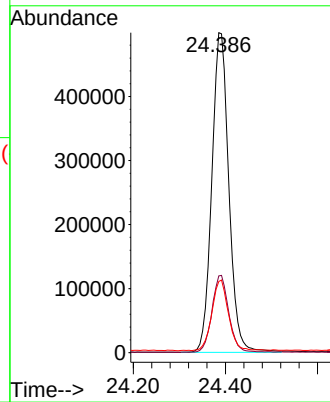
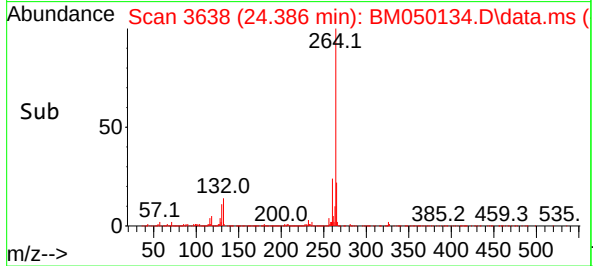
Tgt Ion:264 Resp: 1282159

Ion Ratio Lower Upper

264 100

260 24.0 18.8 28.2

265 22.2 17.0 25.4



Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM050725\  
 Data File : BM050134.D  
 Acq On : 07 May 2025 14:26  
 Operator : RC/JU  
 Sample : Q1945-01  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 GB1W

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\_M\Methods\8270-BM042825.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BM050134.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         | 4.863       | 314           | 319         | 331          | rVB      | 208240         | 310157        | 1.61%           | 0.384%        |
| 2         | 5.340       | 393           | 400         | 415          | rBV      | 2385945        | 3770258       | 19.55%          | 4.663%        |
| 3         | 6.940       | 665           | 672         | 699          | rBV      | 1132890        | 2400630       | 12.45%          | 2.969%        |
| 4         | 7.746       | 799           | 809         | 816          | rBV      | 922189         | 1502810       | 7.79%           | 1.859%        |
| 5         | 8.904       | 998           | 1006        | 1023         | rBV      | 2695910        | 4799196       | 24.88%          | 5.935%        |
| 6         | 10.328      | 1241          | 1248        | 1269         | rBV      | 537750         | 1312818       | 6.81%           | 1.624%        |
| 7         | 10.540      | 1277          | 1284        | 1297         | rBV      | 1075868        | 1918339       | 9.95%           | 2.372%        |
| 8         | 11.516      | 1438          | 1450        | 1477         | rBV      | 2231038        | 5625961       | 29.17%          | 6.958%        |
| 9         | 13.010      | 1697          | 1704        | 1722         | rBV      | 8445469        | 12165948      | 63.08%          | 15.046%       |
| 10        | 14.392      | 1933          | 1939        | 1956         | rVB      | 1779670        | 2743703       | 14.23%          | 3.393%        |
| 11        | 15.757      | 2165          | 2171        | 2182         | rBV      | 352981         | 520261        | 2.70%           | 0.643%        |
| 12        | 15.892      | 2187          | 2194        | 2216         | rBV      | 6964284        | 10602956      | 54.98%          | 13.113%       |
| 13        | 16.598      | 2309          | 2314        | 2321         | rVB      | 441338         | 616059        | 3.19%           | 0.762%        |
| 14        | 17.145      | 2401          | 2407        | 2420         | rBV      | 2197050        | 3170702       | 16.44%          | 3.921%        |
| 15        | 18.045      | 2554          | 2560        | 2568         | rBV      | 1487258        | 2215520       | 11.49%          | 2.740%        |
| 16        | 19.321      | 2773          | 2777        | 2789         | rBV      | 484335         | 839837        | 4.35%           | 1.039%        |
| 17        | 19.674      | 2834          | 2837        | 2844         | rBV      | 151479         | 193997        | 1.01%           | 0.240%        |
| 18        | 19.774      | 2848          | 2854        | 2862         | rVB      | 16012713       | 19286006      | 100.00%         | 23.851%       |
| 19        | 20.515      | 2978          | 2980        | 2987         | rVB      | 206589         | 207304        | 1.07%           | 0.256%        |
| 20        | 21.392      | 3124          | 3129        | 3135         | rBV      | 2282621        | 3267112       | 16.94%          | 4.041%        |
| 21        | 24.386      | 3632          | 3638        | 3649         | rVB      | 1351096        | 3389325       | 17.57%          | 4.192%        |

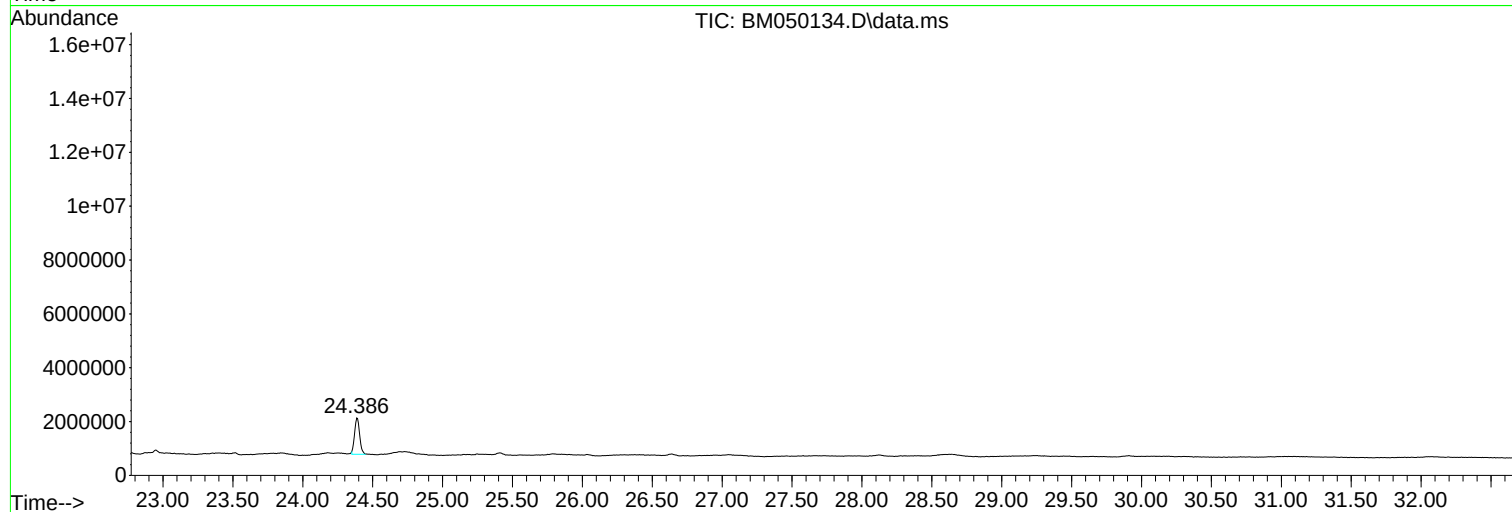
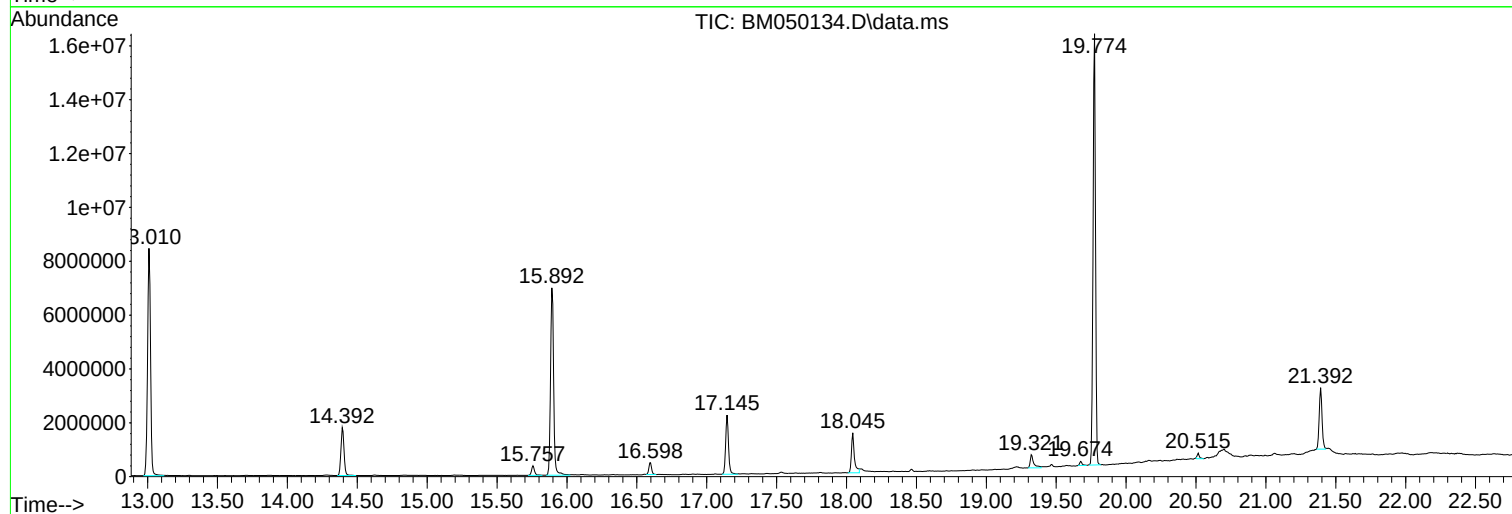
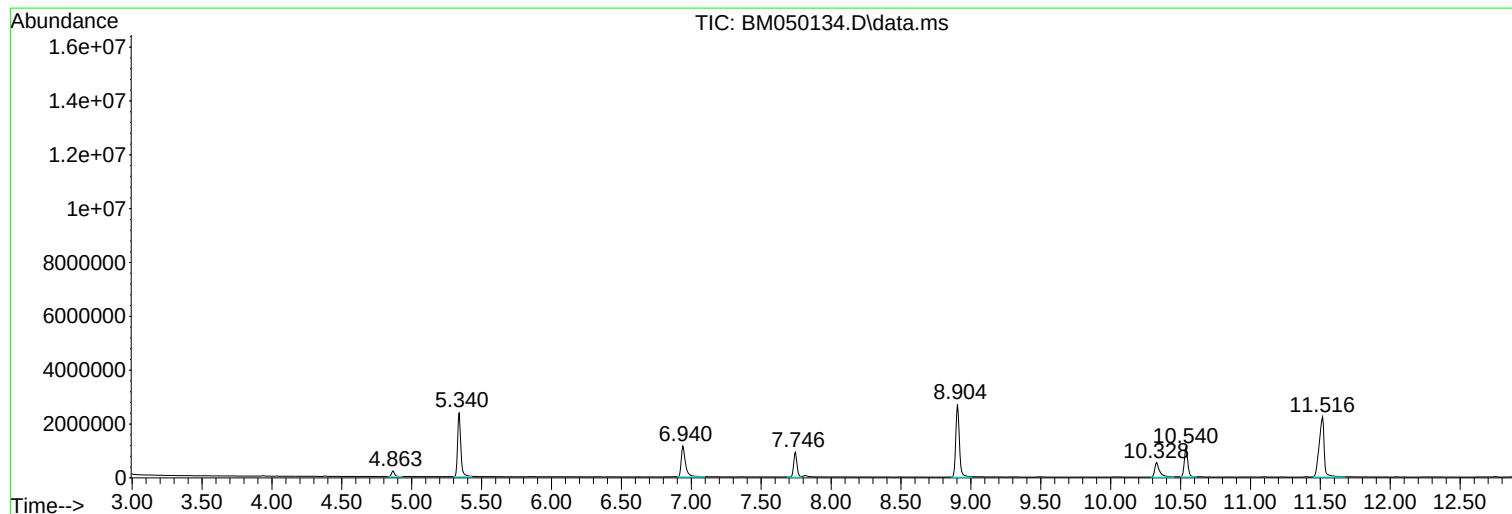
Sum of corrected areas: 80858899

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM050725\  
Data File : BM050134.D  
Acq On : 07 May 2025 14:26  
Operator : RC/JU  
Sample : Q1945-01  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
GB1W

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM042825.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM050725\  
Data File : BM050134.D  
Acq On : 07 May 2025 14:26  
Operator : RC/JU  
Sample : Q1945-01  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
GB1W

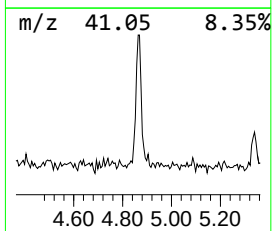
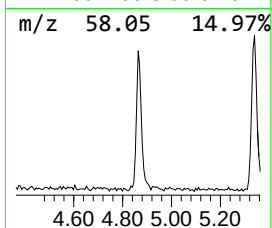
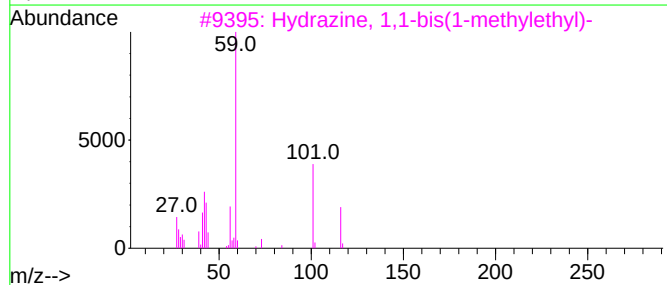
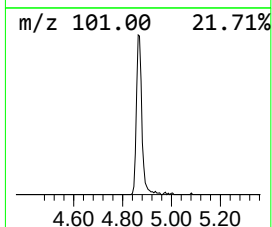
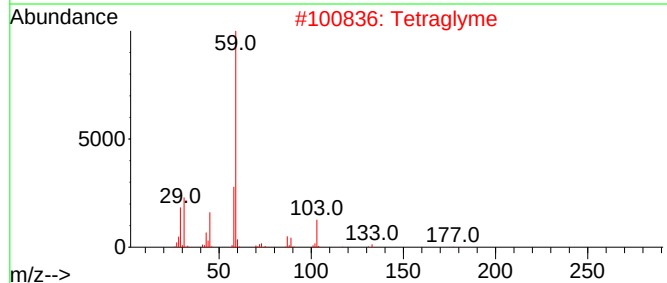
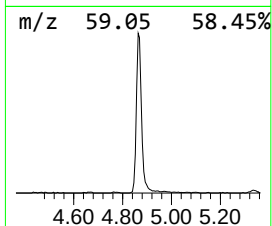
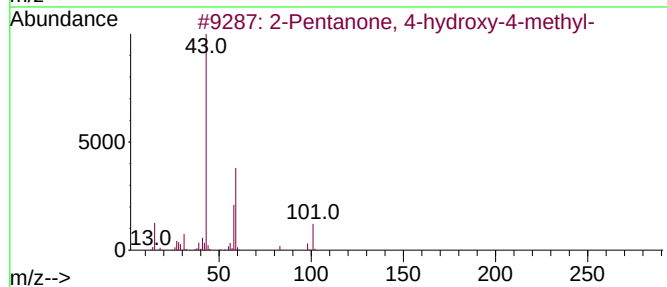
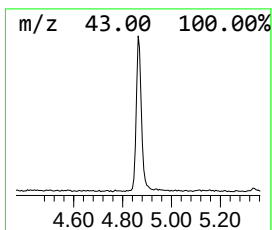
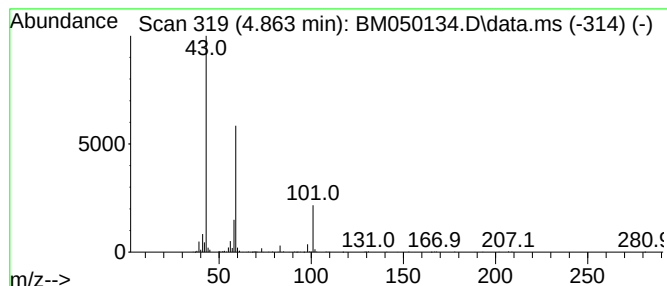
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM042825.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 4

| R.T.  | EstConc | Area   | Relative to ISTD       | R.T.  |
|-------|---------|--------|------------------------|-------|
| 4.863 | 4.13 ng | 310157 | 1,4-Dichlorobenzene-d4 | 7.746 |

| Hit# | of                                  | 5   | Tentative ID | MW          | MolForm | CAS# | Qual |
|------|-------------------------------------|-----|--------------|-------------|---------|------|------|
| 1    | 2-Pentanone, 4-hydroxy-4-methyl-    | 116 | C6H12O2      | 000123-42-2 | 50      |      |      |
| 2    | Tetraglyme                          | 222 | C10H22O5     | 000143-24-8 | 37      |      |      |
| 3    | Hydrazine, 1,1-bis(1-methylethyl)-  | 116 | C6H16N2      | 000921-14-2 | 28      |      |      |
| 4    | 1,3-Dioxolane-2-methanol, 2,4-di... | 132 | C6H12O3      | 053951-43-2 | 25      |      |      |
| 5    | 2,3-Butanedione, monooxime          | 101 | C4H7NO2      | 000057-71-6 | 17      |      |      |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM050725\  
Data File : BM050134.D  
Acq On : 07 May 2025 14:26  
Operator : RC/JU  
Sample : Q1945-01  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
GB1W

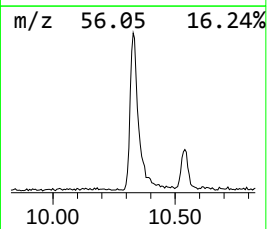
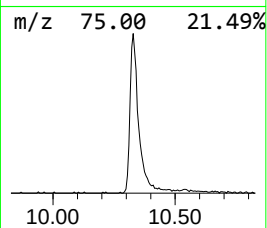
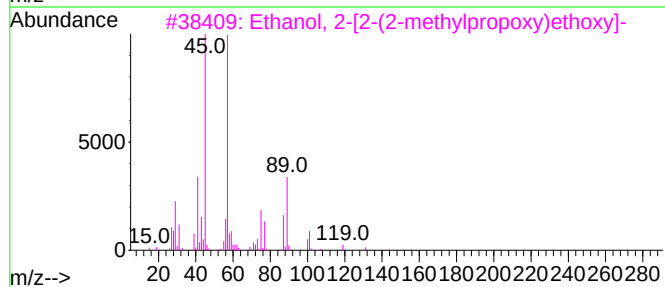
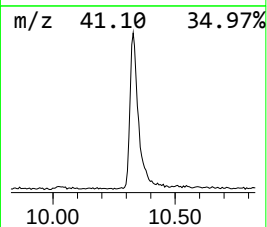
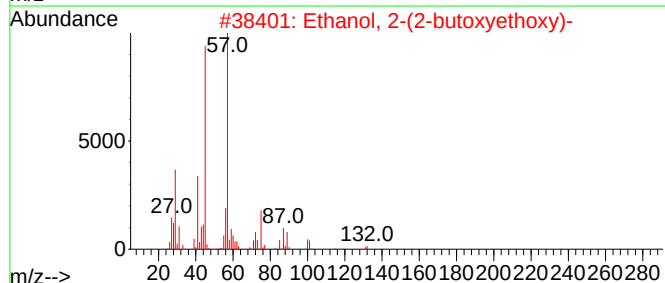
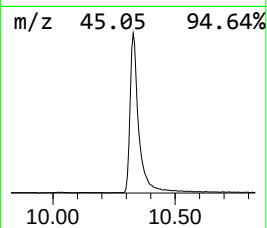
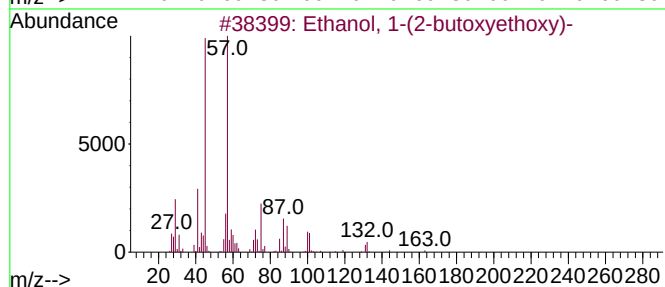
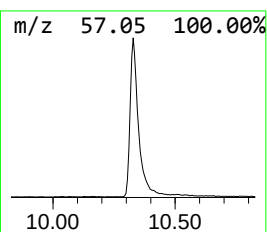
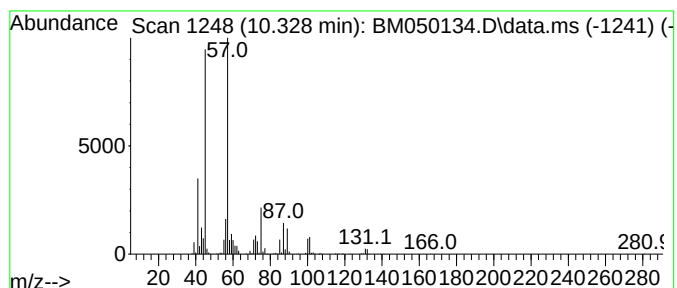
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 2 Ethanol, 1-(2-butoxyethoxy)- Concentration Rank 2

| R.T.      | EstConc                             | Area    | Relative to ISTD | R.T.        |      |
|-----------|-------------------------------------|---------|------------------|-------------|------|
| 10.328    | 13.69 ng                            | 1312820 | Naphthalene-d8   | 10.540      |      |
| Hit# of 5 | Tentative ID                        | MW      | MolForm          | CAS#        | Qual |
| 1         | Ethanol, 1-(2-butoxyethoxy)-        | 162     | C8H18O3          | 054446-78-5 | 90   |
| 2         | Ethanol, 2-(2-butoxyethoxy)-        | 162     | C8H18O3          | 000112-34-5 | 90   |
| 3         | Ethanol, 2-[2-(2-methylpropoxy)e... | 162     | C8H18O3          | 018912-80-6 | 72   |
| 4         | 3,3-Dimethylbutane-2-ol             | 102     | C6H14O           | 000464-07-3 | 52   |
| 5         | Methoxyacetic acid, 2-butyl ester   | 146     | C7H14O3          | 070159-90-9 | 50   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM050725\  
Data File : BM050134.D  
Acq On : 07 May 2025 14:26  
Operator : RC/JU  
Sample : Q1945-01  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
GB1W

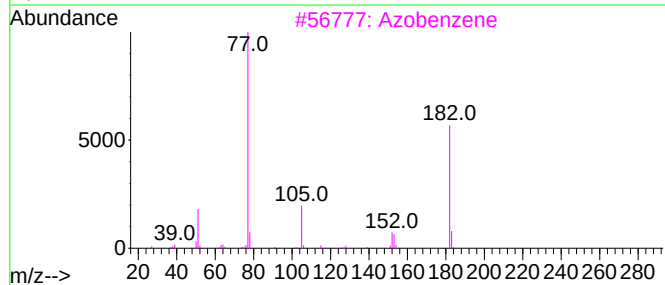
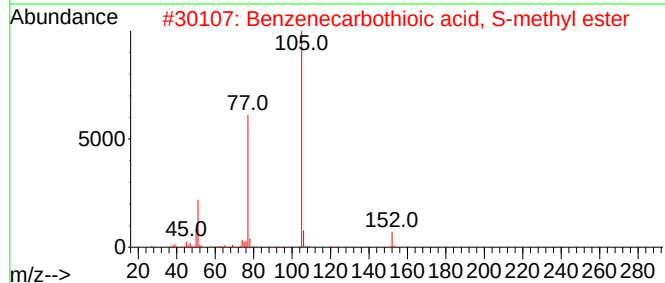
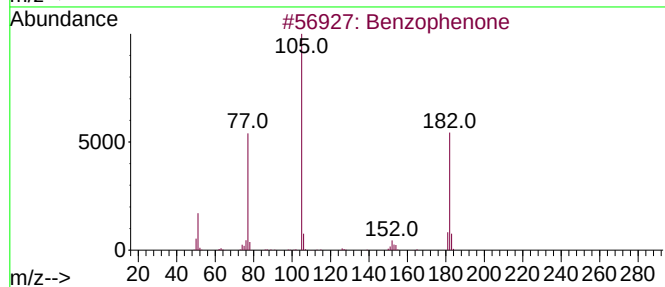
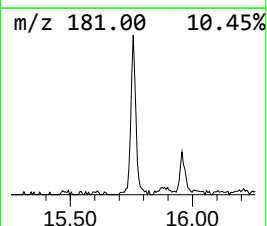
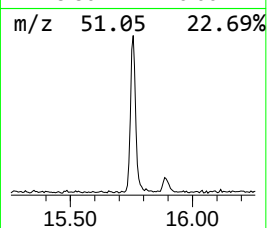
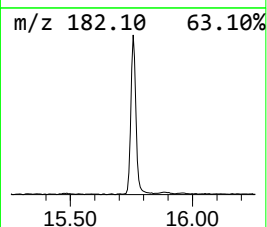
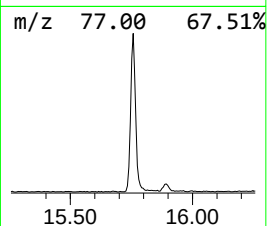
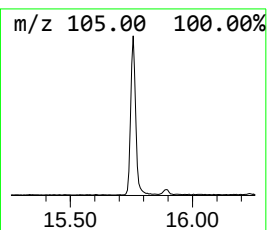
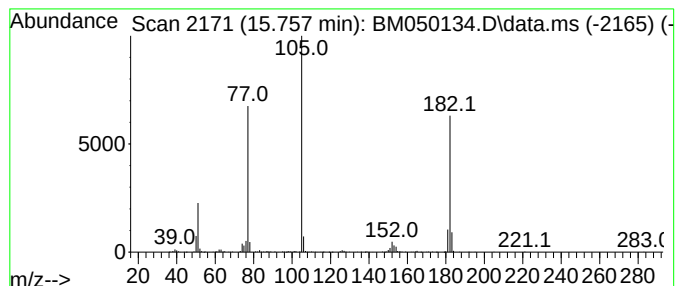
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 3 Benzophenone Concentration Rank 6

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 15.757 | 3.79 ng | 520261 | Acenaphthene-d10 | 14.392 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm       | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------------|-------------|------|
| 1    |    |   | Benzophenone                        | 182 | C13H10O       | 000119-61-9 | 96   |
| 2    |    |   | Benzenecarbothioic acid, S-methy... | 152 | C8H8OS        | 005925-68-8 | 47   |
| 3    |    |   | Azobenzene                          | 182 | C12H10N2      | 000103-33-3 | 47   |
| 4    |    |   | N-[2,2-Dichloro-1-(toluene-4-sul... | 371 | C16H15Cl2N03S | 136800-77-6 | 43   |
| 5    |    |   | Vinyl benzoate                      | 148 | C9H8O2        | 000769-78-8 | 43   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM050725\  
Data File : BM050134.D  
Acq On : 07 May 2025 14:26  
Operator : RC/JU  
Sample : Q1945-01  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
GB1W

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM042825.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

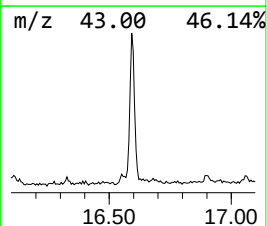
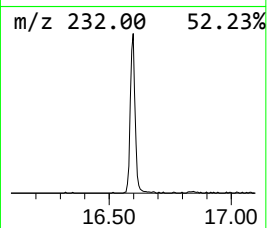
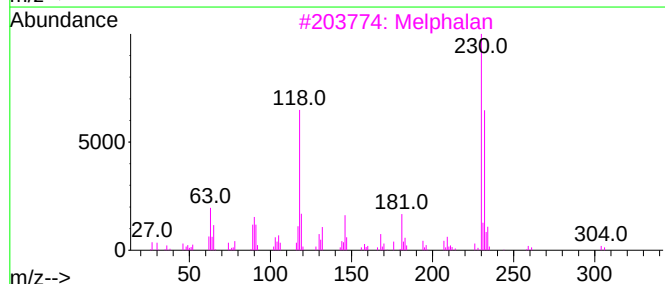
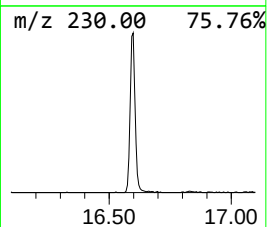
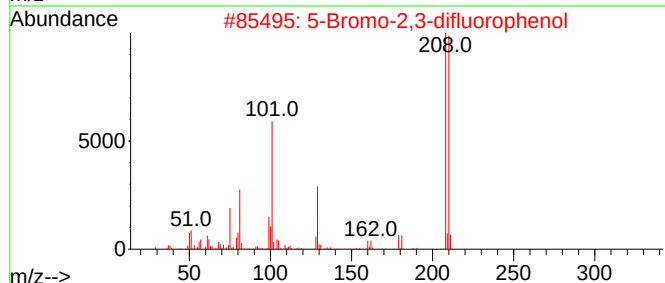
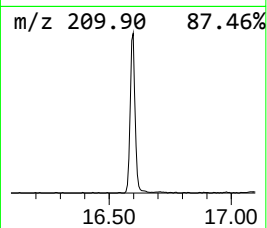
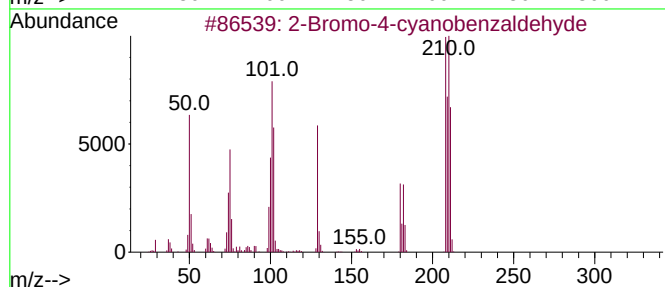
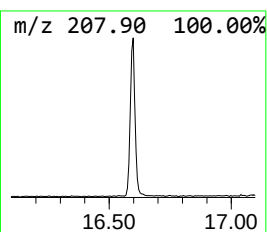
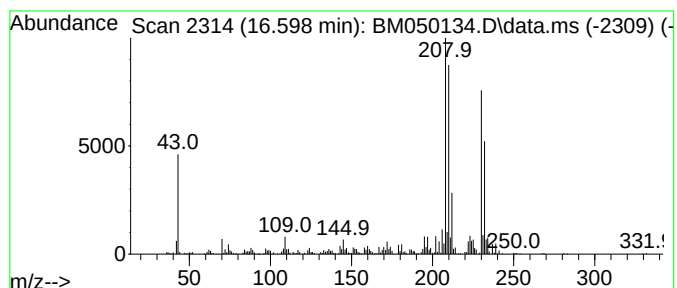
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 4 unknown16.598 Concentration Rank 5

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 16.598 | 3.89 ng | 616059 | Phenanthrene-d10 | 17.145 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm       | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|---------------|--------------|------|
| 1    |    |   | 2-Bromo-4-cyanobenzaldehyde         | 209 | C8H4BrNO      | 089891-69-0  | 38   |
| 2    |    |   | 5-Bromo-2,3-difluorophenol          | 208 | C6H3BrF2O     | 186590-26-1  | 35   |
| 3    |    |   | Melphalan                           | 304 | C13H18Cl2N2O2 | 000148-82-3  | 27   |
| 4    |    |   | Methyl 2-amino-3-(4-(N,N-bis(2-c... | 318 | C14H20Cl2N2O2 | 1000468-61-4 | 22   |
| 5    |    |   | 2-(1-Piperazinyl)nicotinamide, N... | 278 | C13H22N4OSi   | 1000476-27-4 | 18   |





Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM050725\  
Data File : BM050134.D  
Acq On : 07 May 2025 14:26  
Operator : RC/JU  
Sample : Q1945-01  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
GB1W

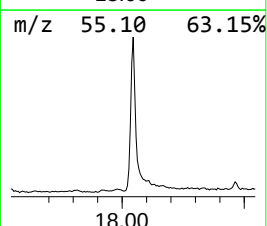
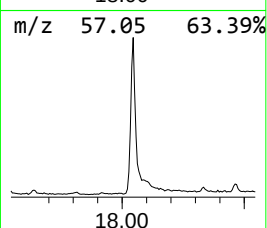
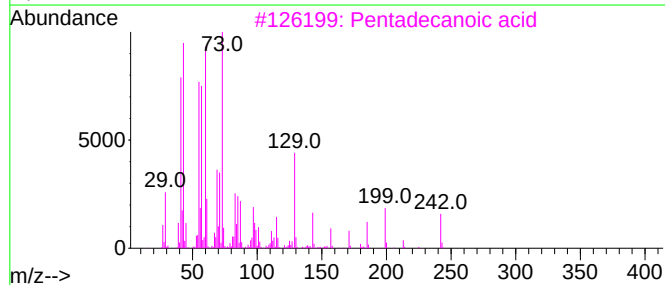
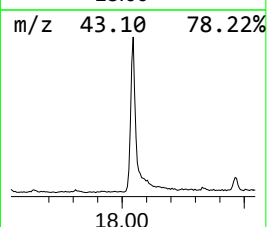
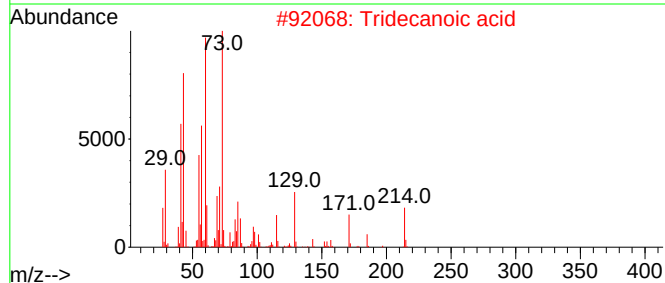
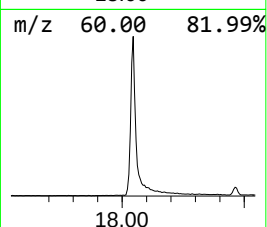
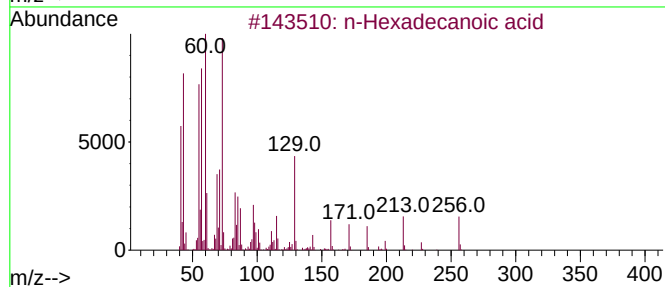
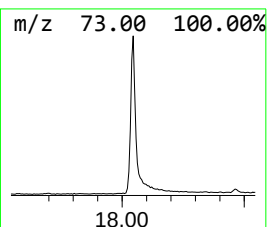
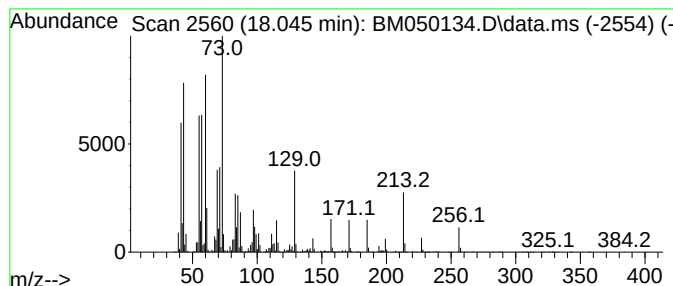
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 5 n-Hexadecanoic acid Concentration Rank 1

| R.T.   | EstConc  | Area    | Relative to ISTD | R.T.   |
|--------|----------|---------|------------------|--------|
| 18.045 | 13.97 ng | 2215520 | Phenanthrene-d10 | 17.145 |

| Hit# | of | 5 | Tentative ID        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|---------------------|-----|----------|-------------|------|
| 1    |    |   | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 99   |
| 2    |    |   | Tridecanoic acid    | 214 | C13H26O2 | 000638-53-9 | 91   |
| 3    |    |   | Pentadecanoic acid  | 242 | C15H30O2 | 001002-84-2 | 91   |
| 4    |    |   | Octadecanoic acid   | 284 | C18H36O2 | 000057-11-4 | 87   |
| 5    |    |   | n-Decanoic acid     | 172 | C10H20O2 | 000334-48-5 | 70   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM050725\  
Data File : BM050134.D  
Acq On : 07 May 2025 14:26  
Operator : RC/JU  
Sample : Q1945-01  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
GB1W

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM042825.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

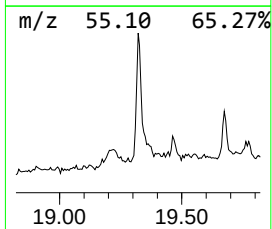
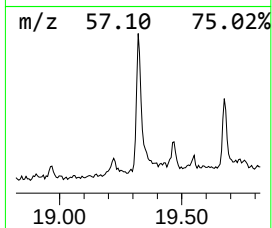
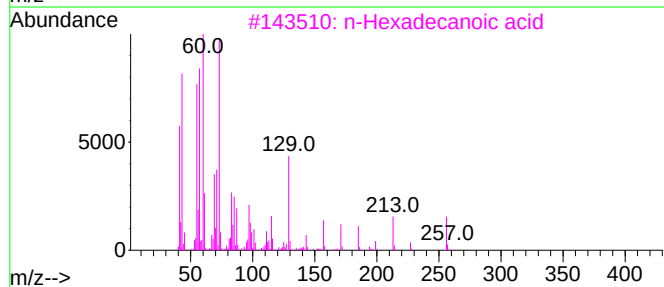
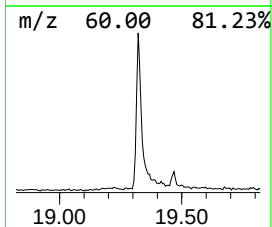
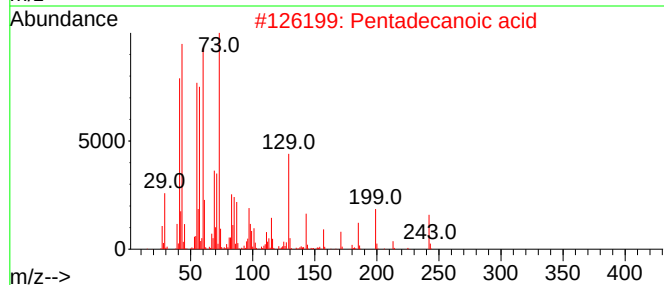
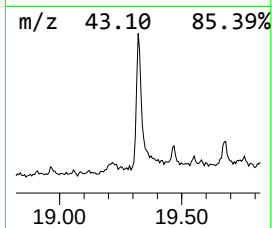
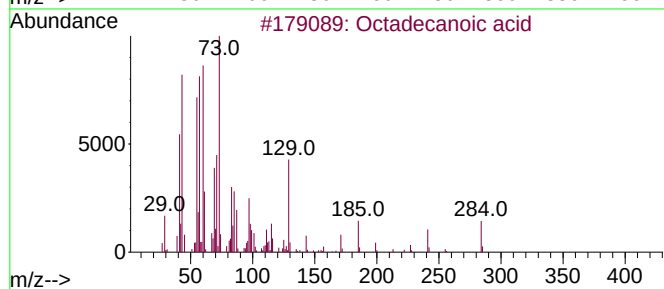
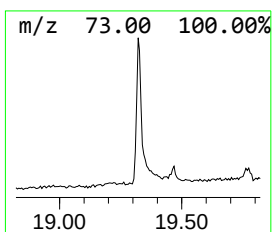
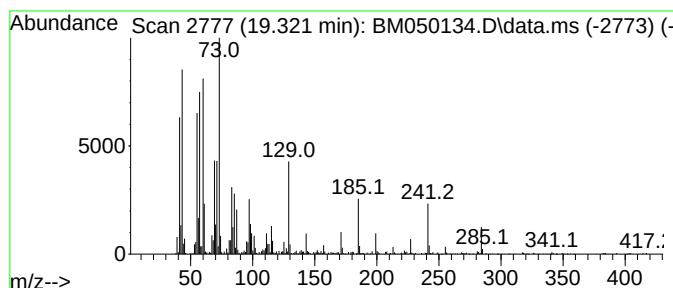
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 6 Octadecanoic acid Concentration Rank 3

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 19.321 | 5.14 ng | 839837 | Chrysene-d12     | 21.392 |

| Hit# | of | 5 | Tentative ID        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|---------------------|-----|----------|-------------|------|
| 1    |    |   | Octadecanoic acid   | 284 | C18H36O2 | 000057-11-4 | 99   |
| 2    |    |   | Pentadecanoic acid  | 242 | C15H30O2 | 001002-84-2 | 93   |
| 3    |    |   | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 87   |
| 4    |    |   | Tetradecanoic acid  | 228 | C14H28O2 | 000544-63-8 | 83   |
| 5    |    |   | Tridecanoic acid    | 214 | C13H26O2 | 000638-53-9 | 76   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM050725\  
Data File : BM050134.D  
Acq On : 07 May 2025 14:26  
Operator : RC/JU  
Sample : Q1945-01  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
GB1W

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM042825.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 | --Internal Standard-- |        |         |      |
|--------------------|--------|---------|-------|----------|-----------------------|--------|---------|------|
|                    |        |         |       |          | #                     | RT     | Resp    | Conc |
| 2-Pentanone, 4-... | 4.863  | 4.1     | ng    | 310157   | 1                     | 7.746  | 1502810 | 20.0 |
| Ethanol, 1-(2-b... | 10.328 | 13.7    | ng    | 1312820  | 2                     | 10.540 | 1918340 | 20.0 |
| Benzophenone       | 15.757 | 3.8     | ng    | 520261   | 3                     | 14.392 | 2743700 | 20.0 |
| unknown16.598      | 16.598 | 3.9     | ng    | 616059   | 4                     | 17.145 | 3170700 | 20.0 |
| n-Hexadecanoic ... | 18.045 | 14.0    | ng    | 2215520  | 4                     | 17.145 | 3170700 | 20.0 |
| Octadecanoic acid  | 19.321 | 5.1     | ng    | 839837   | 5                     | 21.392 | 3267110 | 20.0 |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM050725\  
Data File : BM050137.D  
Acq On : 07 May 2025 16:24  
Operator : RC/JU  
Sample : Q1945-01DL 5X  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
GB1WDL

Quant Time: May 07 17:05:14 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM042825.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Apr 28 18:09:16 2025  
Response via : Initial Calibration

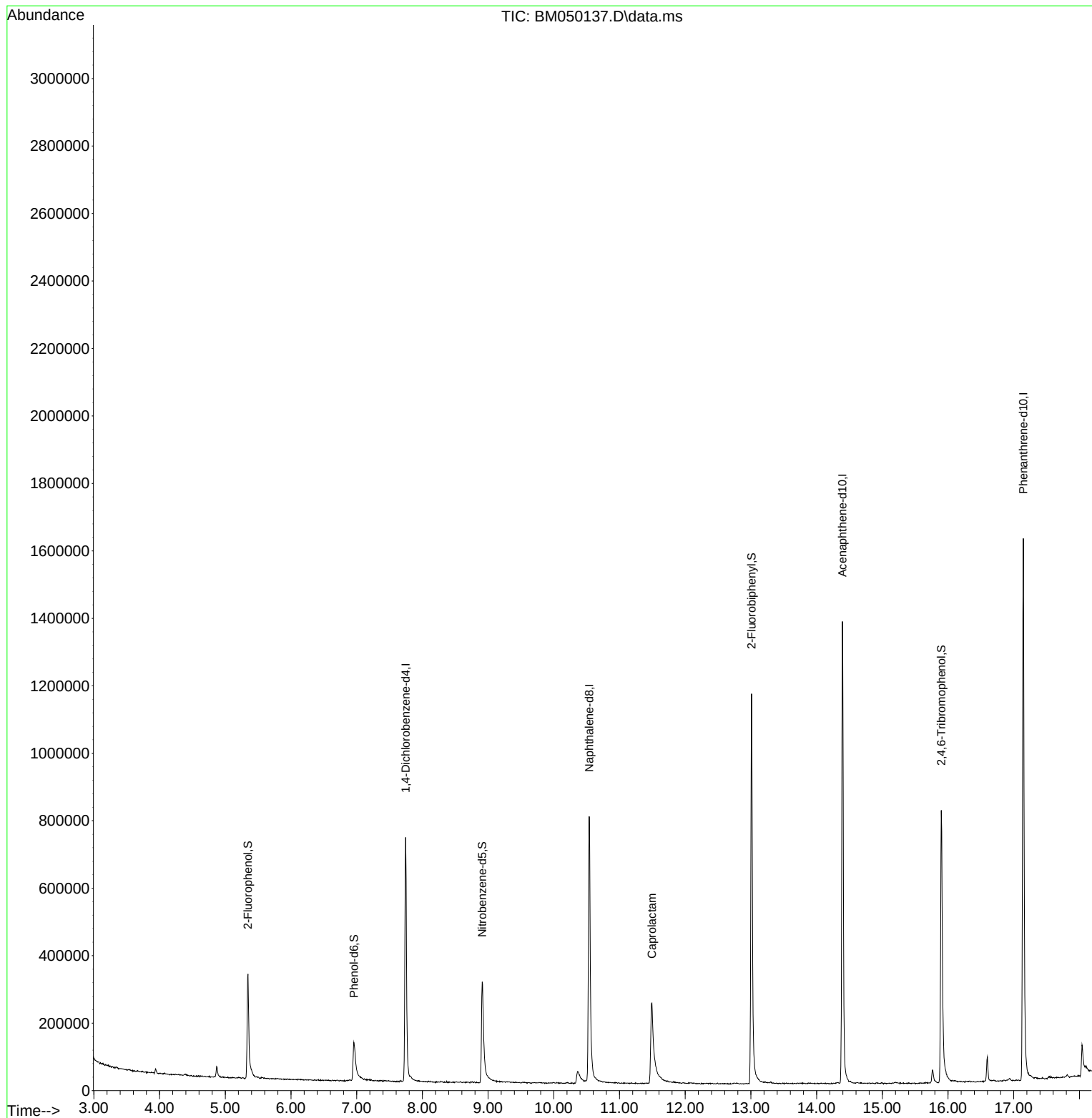
| Compound                    | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|--------|------|----------|--------|-------|----------|
| -----                       |        |      |          |        |       |          |
| Internal Standards          |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.746  | 152  | 237908   | 20.000 | ng    | -0.02    |
| 21) Naphthalene-d8          | 10.540 | 136  | 833708   | 20.000 | ng    | -0.02    |
| 39) Acenaphthene-d10        | 14.392 | 164  | 563306   | 20.000 | ng    | -0.02    |
| 64) Phenanthrene-d10        | 17.145 | 188  | 1154973  | 20.000 | ng    | -0.01    |
| 76) Chrysene-d12            | 21.392 | 240  | 1121664  | 20.000 | ng    | 0.00     |
| 86) Perylene-d12            | 24.386 | 264  | 1136201  | 20.000 | ng    | -0.02    |
|                             |        |      |          |        |       |          |
| System Monitoring Compounds |        |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.346  | 112  | 193342   | 14.231 | ng    | -0.01    |
| 7) Phenol-d6                | 6.957  | 99   | 135739   | 7.949  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 8.910  | 82   | 275583   | 16.288 | ng    | -0.02    |
| 42) 2,4,6-Tribromophenol    | 15.898 | 330  | 223621   | 26.848 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 13.010 | 172  | 748052   | 15.710 | ng    | -0.02    |
| 79) Terphenyl-d14           | 19.768 | 244  | 1216066  | 16.043 | ng    | -0.01    |
|                             |        |      |          |        |       |          |
| Target Compounds            |        |      |          |        |       | Qvalue   |
| 35) Caprolactam             | 11.492 | 113  | 95555m   | 23.603 | ng    |          |
| -----                       |        |      |          |        |       |          |

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

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM050725\  
Data File : BM050137.D  
Acq On : 07 May 2025 16:24  
Operator : RC/JU  
Sample : Q1945-01DL 5X  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
GB1WDL

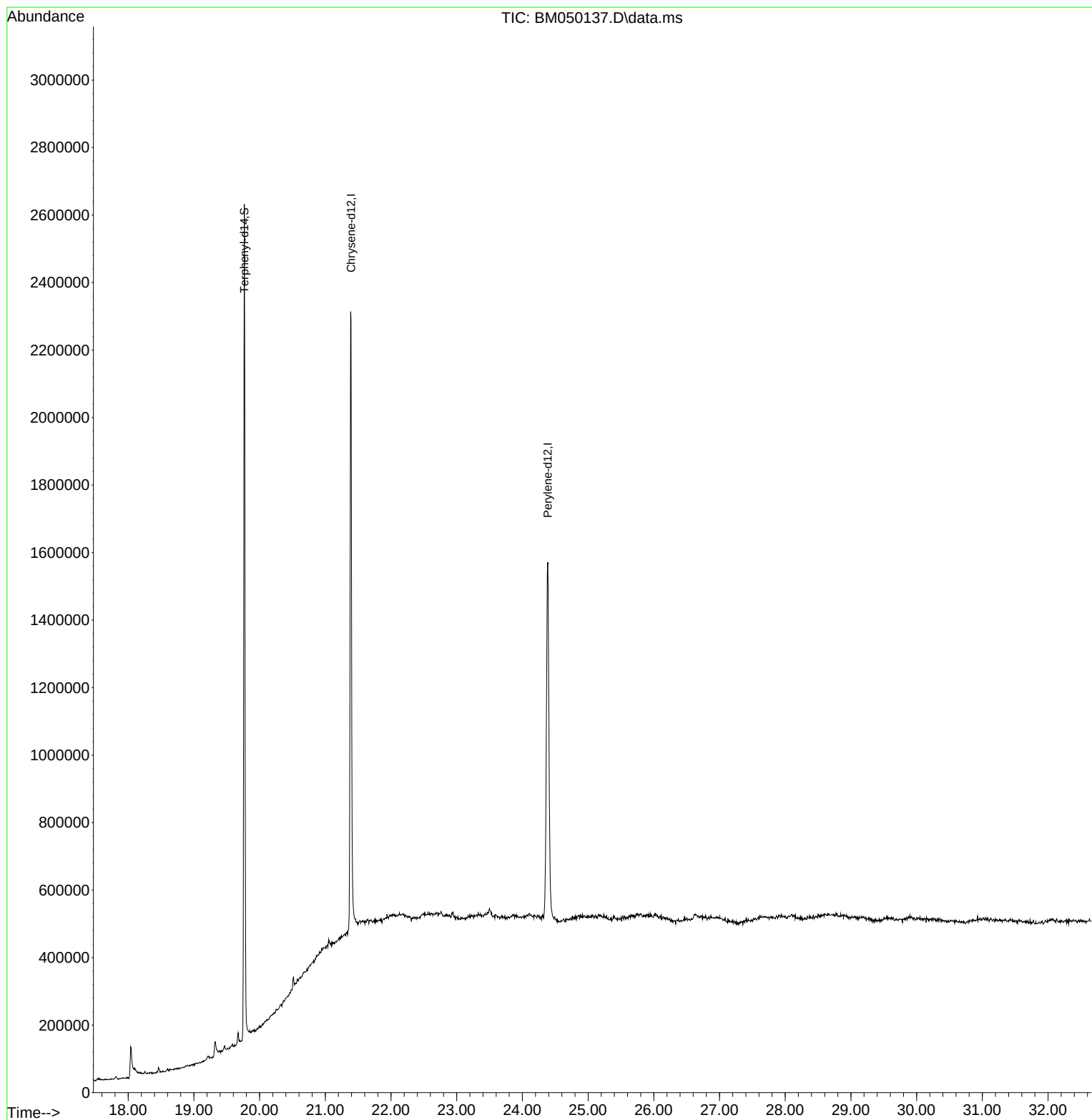
Quant Time: May 07 17:05:14 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM042825.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Apr 28 18:09:16 2025  
Response via : Initial Calibration

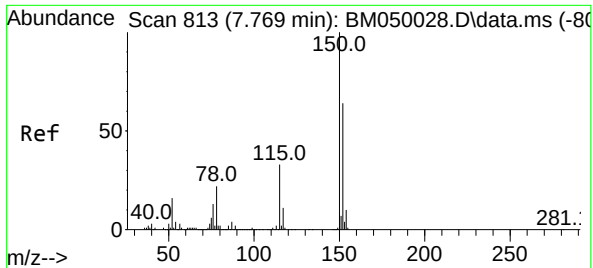


Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM050725\  
Data File : BM050137.D  
Acq On : 07 May 2025 16:24  
Operator : RC/JU  
Sample : Q1945-01DL 5X  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
GB1WDL

Quant Time: May 07 17:05:14 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM042825.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Apr 28 18:09:16 2025  
Response via : Initial Calibration

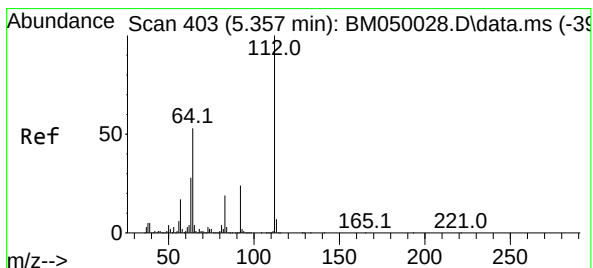
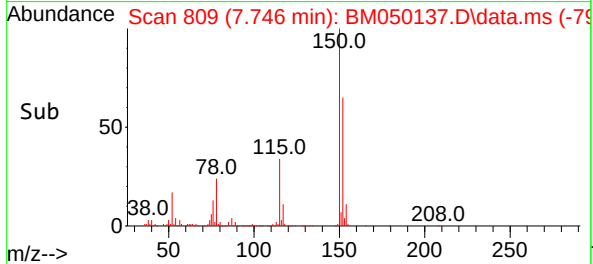
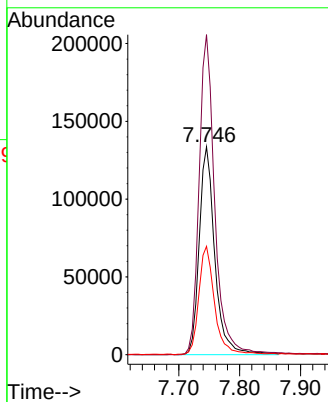
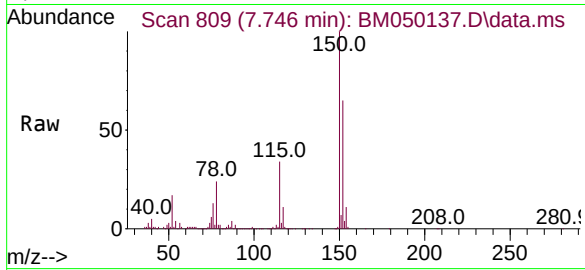




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.746 min Scan# 809  
Delta R.T. -0.023 min  
Lab File: BM050137.D  
Acq: 07 May 2025 16:24

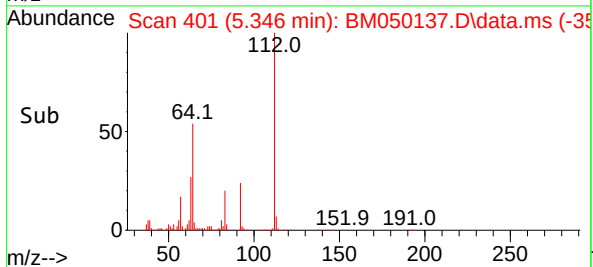
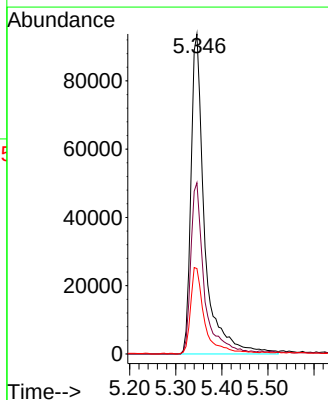
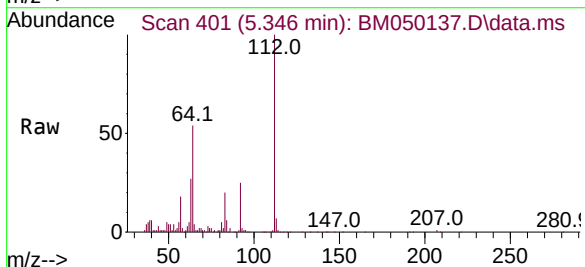
Instrument :  
BNA\_M  
ClientSampleId :  
GB1WDL

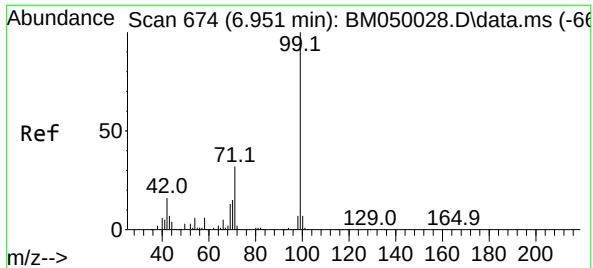
Tgt Ion:152 Resp: 237908  
Ion Ratio Lower Upper  
152 100  
150 154.0 124.1 186.1  
115 52.1 41.2 61.8



#5  
2-Fluorophenol  
Concen: 14.231 ng  
RT: 5.346 min Scan# 401  
Delta R.T. -0.012 min  
Lab File: BM050137.D  
Acq: 07 May 2025 16:24

Tgt Ion:112 Resp: 193342  
Ion Ratio Lower Upper  
112 100  
64 53.5 42.6 64.0  
63 26.7 22.2 33.4

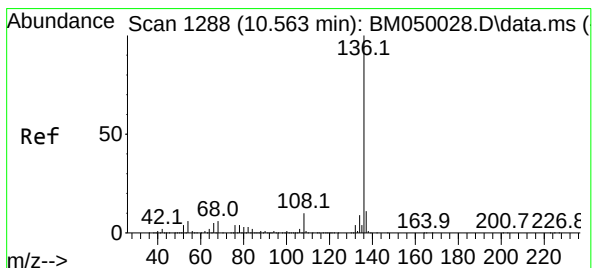
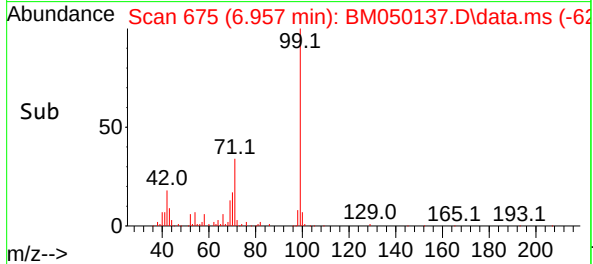
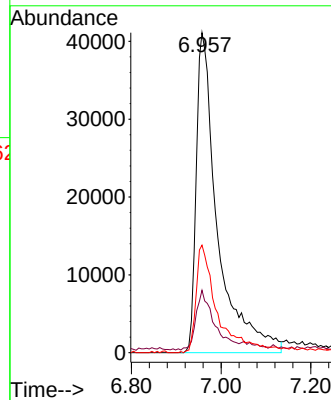
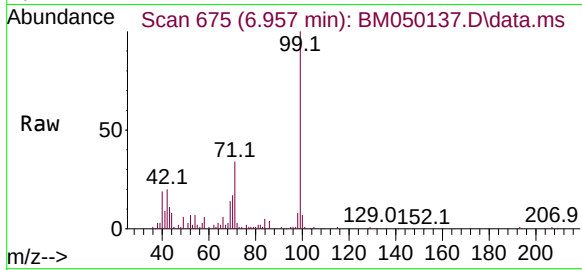




#7  
Phenol-d6  
Concen: 7.949 ng  
RT: 6.957 min Scan# 61  
Delta R.T. 0.006 min  
Lab File: BM050137.D  
Acq: 07 May 2025 16:24

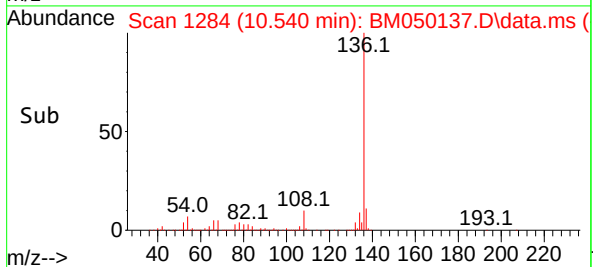
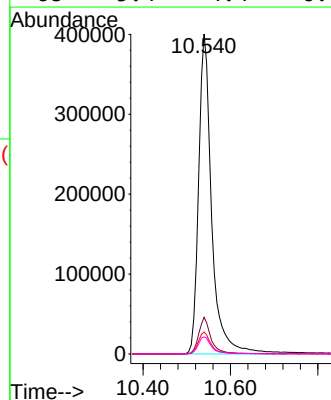
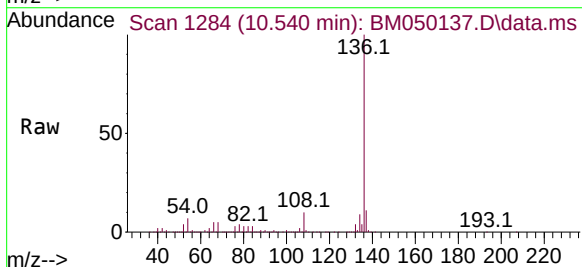
Instrument :  
BNA\_M  
ClientSampleId :  
GB1WDL

Tgt Ion: 99 Resp: 135739  
Ion Ratio Lower Upper  
99 100  
42 19.5 13.0 19.4#  
71 33.6 25.6 38.4

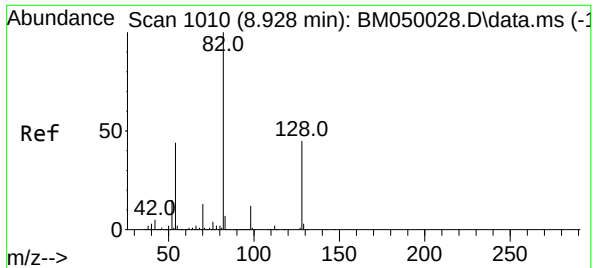


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.540 min Scan# 1284  
Delta R.T. -0.023 min  
Lab File: BM050137.D  
Acq: 07 May 2025 16:24

Tgt Ion: 136 Resp: 833708  
Ion Ratio Lower Upper  
136 100  
137 11.5 8.9 13.3  
54 6.8 5.1 7.7  
68 5.4 4.4 6.6







#23

Nitrobenzene-d5

Concen: 16.288 ng

RT: 8.910 min Scan# 1010

Delta R.T. -0.018 min

Lab File: BM050137.D

Acq: 07 May 2025 16:24

Instrument :

BNA\_M

ClientSampleId :

GB1WDL

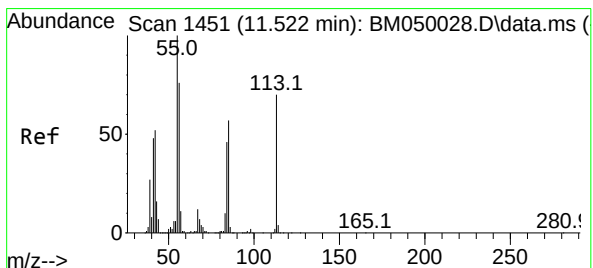
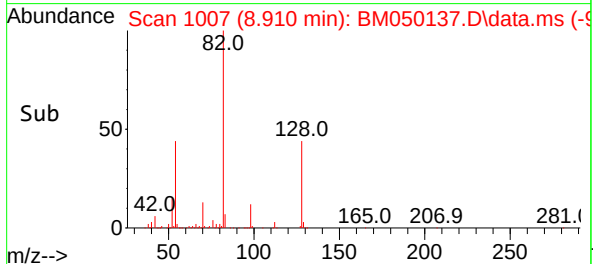
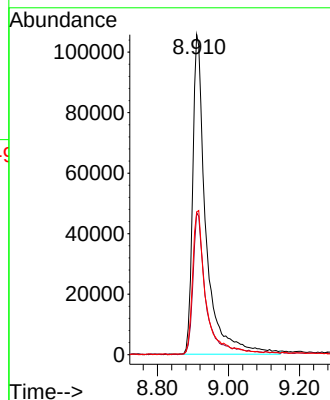
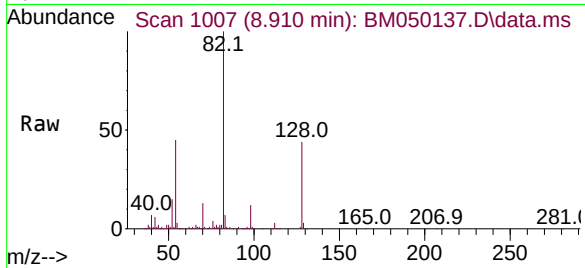
Tgt Ion: 82 Resp: 275583

Ion Ratio Lower Upper

82 100

128 44.4 35.7 53.5

54 44.6 35.4 53.2



#35

Caprolactam

Concen: 23.603 ng m

RT: 11.492 min Scan# 1446

Delta R.T. -0.029 min

Lab File: BM050137.D

Acq: 07 May 2025 16:24

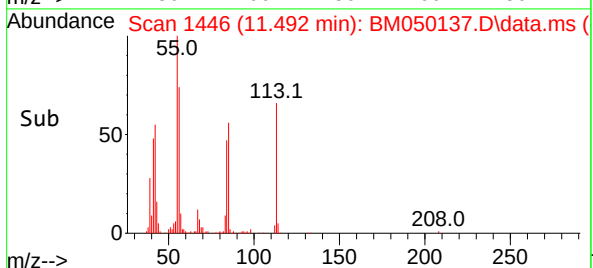
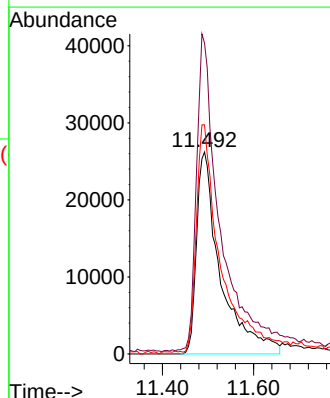
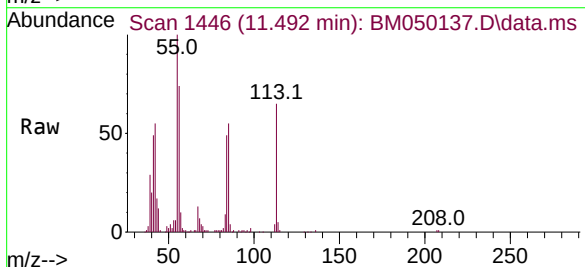
Tgt Ion: 113 Resp: 95555

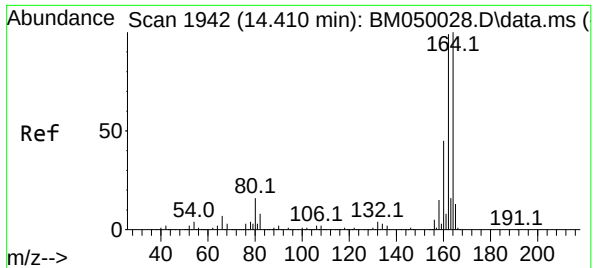
Ion Ratio Lower Upper

113 100

55 153.9 122.9 162.9

56 113.5 88.1 128.1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.392 min Scan# 1939

Delta R.T. -0.018 min

Lab File: BM050137.D

Acq: 07 May 2025 16:24

Instrument :

BNA\_M

ClientSampleId :

GB1WDL

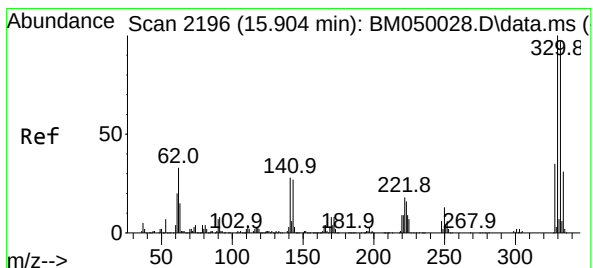
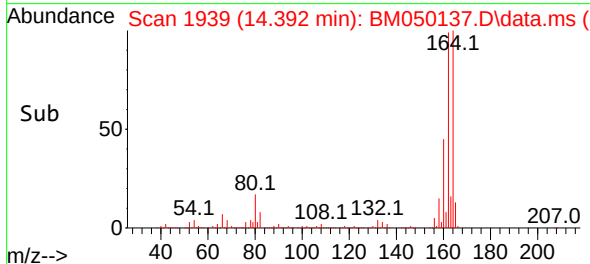
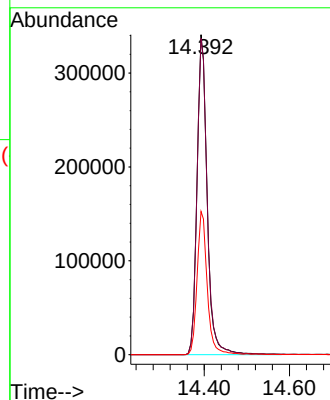
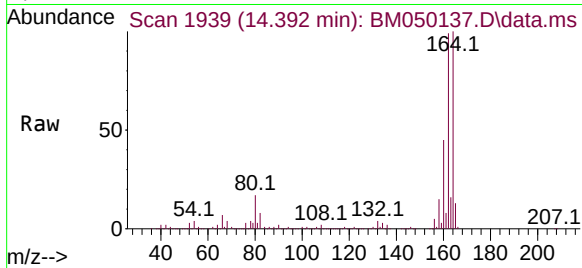
Tgt Ion:164 Resp: 563306

Ion Ratio Lower Upper

164 100

162 98.9 79.4 119.0

160 44.8 36.2 54.4



#42

2,4,6-Tribromophenol

Concen: 26.848 ng

RT: 15.898 min Scan# 2195

Delta R.T. -0.006 min

Lab File: BM050137.D

Acq: 07 May 2025 16:24

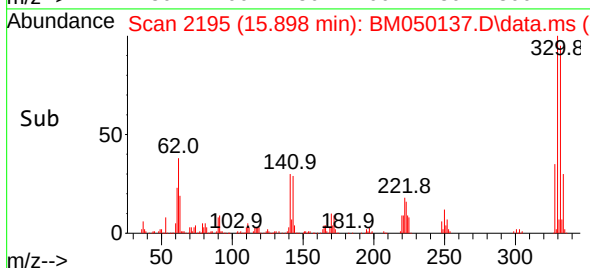
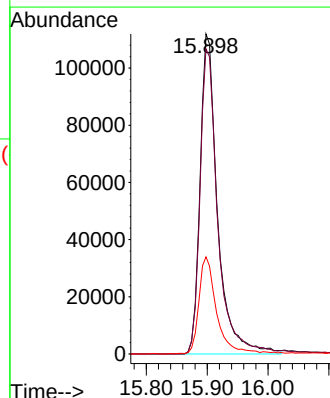
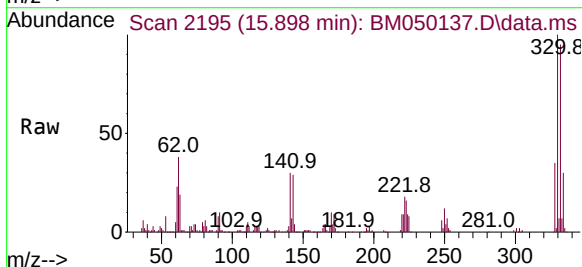
Tgt Ion:330 Resp: 223621

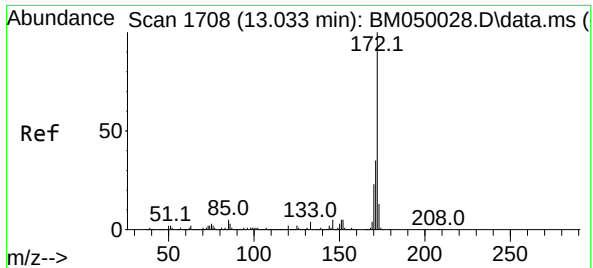
Ion Ratio Lower Upper

330 100

332 96.3 77.3 115.9

141 31.1 22.5 33.7

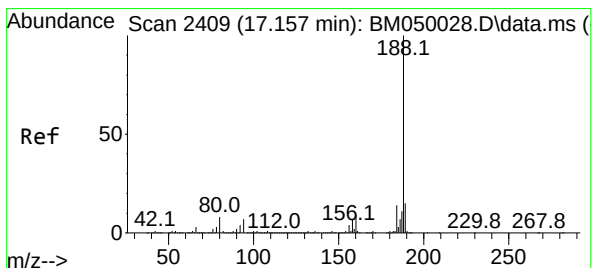
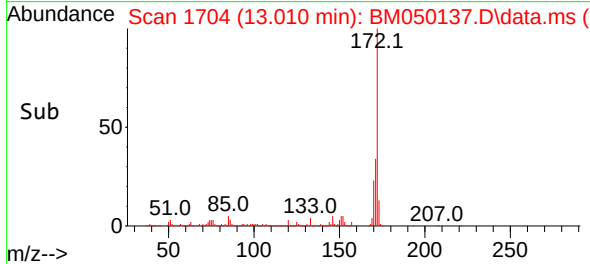
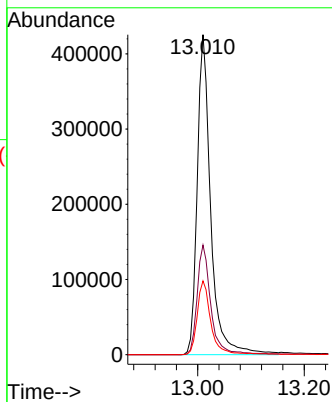
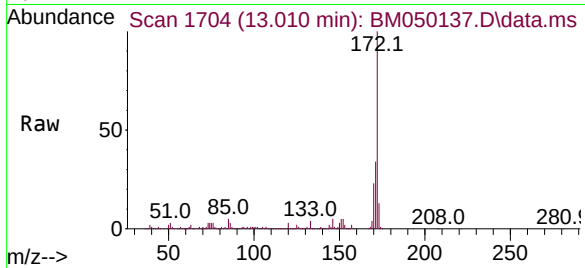




#45  
2-Fluorobiphenyl  
Concen: 15.710 ng  
RT: 13.010 min Scan# 11  
Delta R.T. -0.023 min  
Lab File: BM050137.D  
Acq: 07 May 2025 16:24

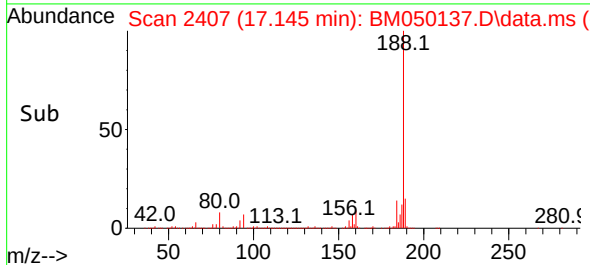
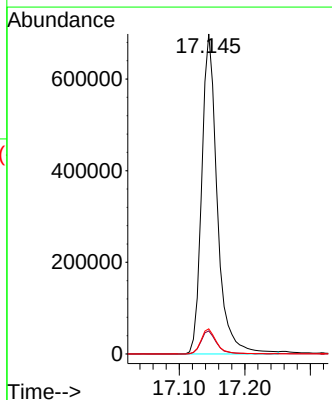
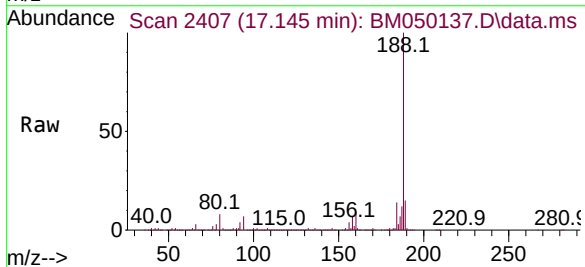
Instrument :  
BNA\_M  
ClientSampleId :  
GB1WDL

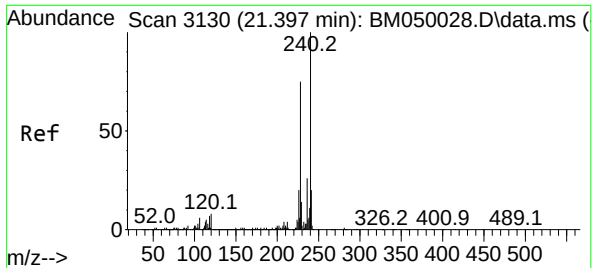
Tgt Ion:172 Resp: 748052  
Ion Ratio Lower Upper  
172 100  
171 34.2 27.8 41.6  
170 23.0 18.6 28.0



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.145 min Scan# 2407  
Delta R.T. -0.012 min  
Lab File: BM050137.D  
Acq: 07 May 2025 16:24

Tgt Ion:188 Resp: 1154973  
Ion Ratio Lower Upper  
188 100  
94 7.2 5.7 8.5  
80 7.9 6.2 9.4

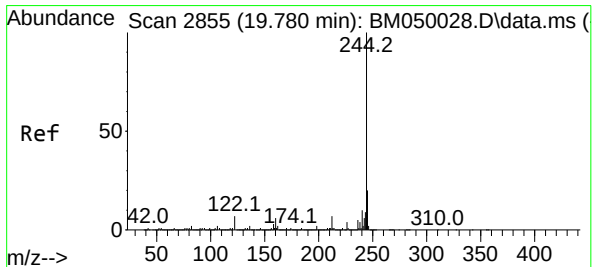
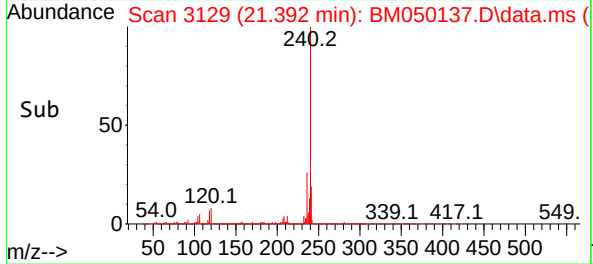
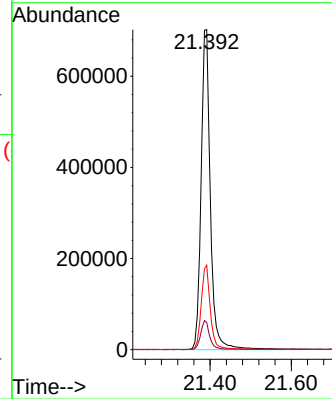
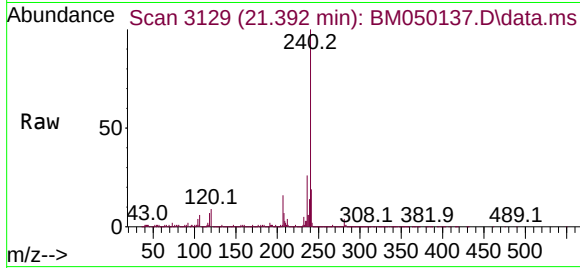




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.392 min Scan# 31  
Delta R.T. -0.005 min  
Lab File: BM050137.D  
Acq: 07 May 2025 16:24

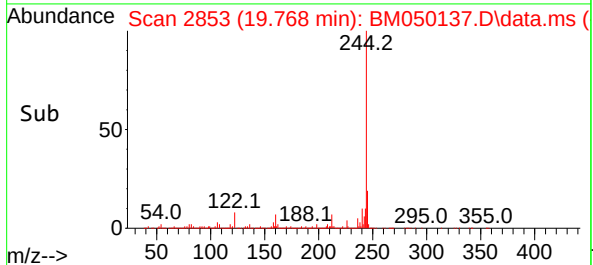
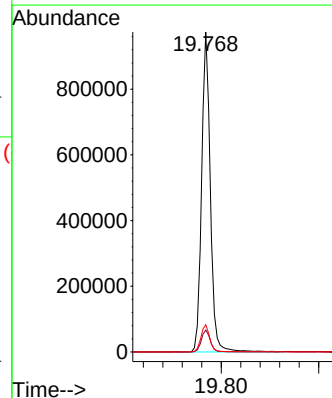
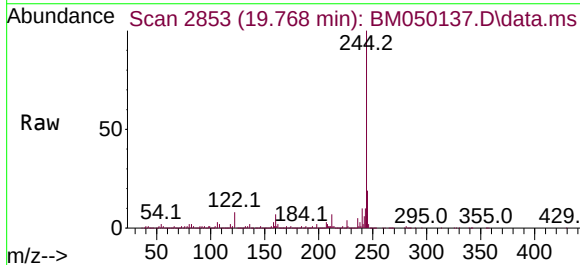
Instrument :  
BNA\_M  
ClientSampleId :  
GB1WDL

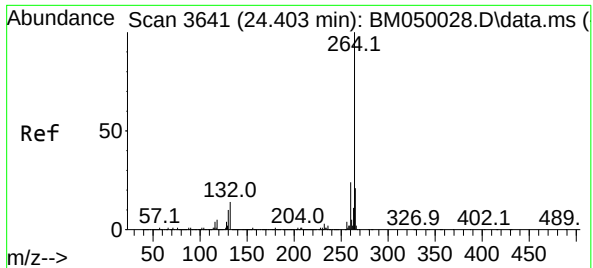
Tgt Ion:240 Resp: 1121664  
Ion Ratio Lower Upper  
240 100  
120 8.5 6.5 9.7  
236 26.4 20.9 31.3



#79  
Terphenyl-d14  
Concen: 16.043 ng  
RT: 19.768 min Scan# 2853  
Delta R.T. -0.012 min  
Lab File: BM050137.D  
Acq: 07 May 2025 16:24

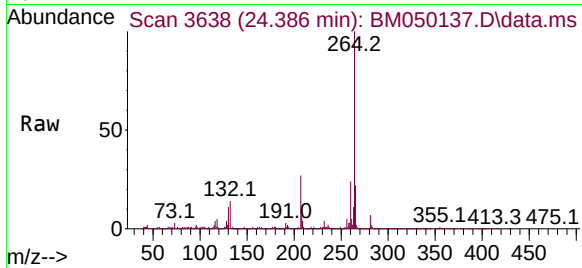
Tgt Ion:244 Resp: 1216066  
Ion Ratio Lower Upper  
244 100  
212 6.8 5.6 8.4  
122 8.5 5.6 8.4#



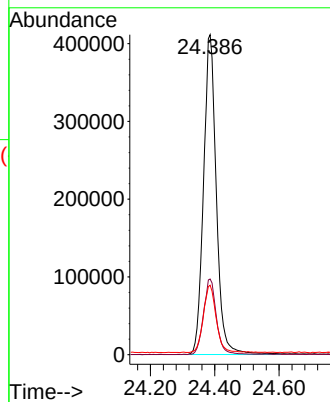
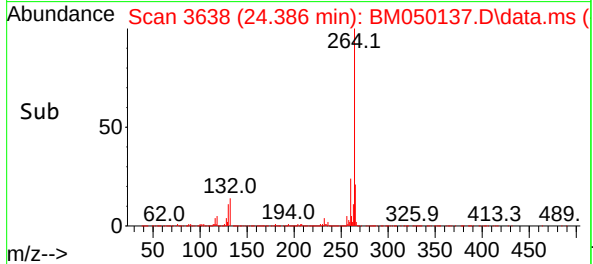


#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 24.386 min Scan# 30  
Delta R.T. -0.018 min  
Lab File: BM050137.D  
Acq: 07 May 2025 16:24

Instrument :  
BNA\_M  
ClientSampleId :  
GB1WDL



Tgt Ion:264 Resp: 1136201  
Ion Ratio Lower Upper  
264 100  
260 23.6 18.8 28.2  
265 21.7 17.0 25.4



Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM050725\  
Data File : BM050135.D  
Acq On : 07 May 2025 15:05  
Operator : RC/JU  
Sample : Q1945-02  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
GB3W

Quant Time: May 07 15:45:21 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM042825.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Apr 28 18:09:16 2025  
Response via : Initial Calibration

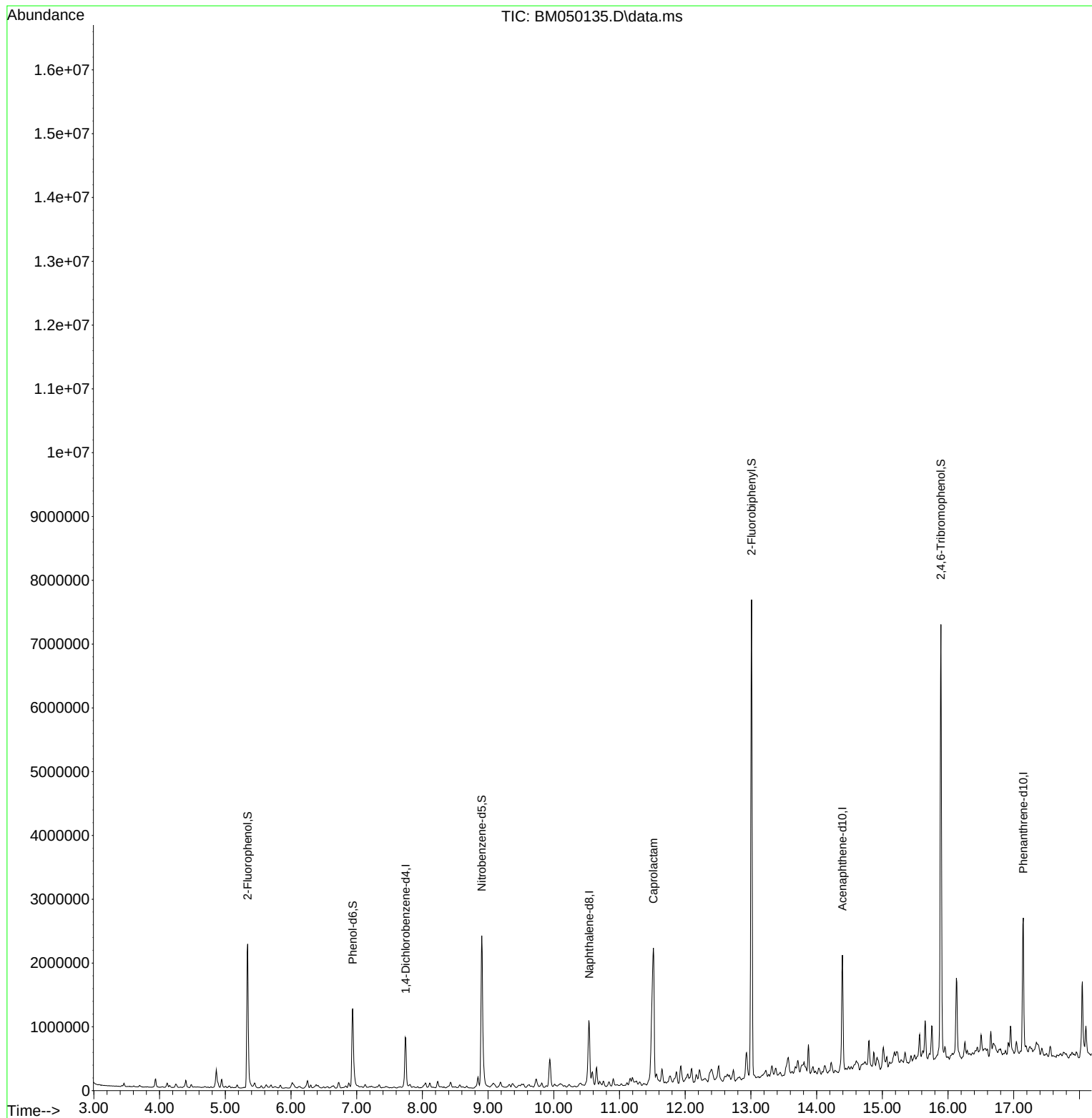
| Compound                    | R.T.   | QIon | Response | Conc    | Units | Dev(Min)     |
|-----------------------------|--------|------|----------|---------|-------|--------------|
| -----                       |        |      |          |         |       |              |
| Internal Standards          |        |      |          |         |       |              |
| 1) 1,4-Dichlorobenzene-d4   | 7.745  | 152  | 242816   | 20.000  | ng    | -0.02        |
| 21) Naphthalene-d8          | 10.539 | 136  | 891368   | 20.000  | ng    | -0.02        |
| 39) Acenaphthene-d10        | 14.392 | 164  | 635661   | 20.000  | ng    | -0.02        |
| 64) Phenanthrene-d10        | 17.145 | 188  | 1255364  | 20.000  | ng    | -0.01        |
| 76) Chrysene-d12            | 21.386 | 240  | 1187377  | 20.000  | ng    | -0.01        |
| 86) Perylene-d12            | 24.385 | 264  | 1257762  | 20.000  | ng    | -0.02        |
| System Monitoring Compounds |        |      |          |         |       |              |
| 5) 2-Fluorophenol           | 5.340  | 112  | 1133119  | 81.715  | ng    | -0.02        |
| 7) Phenol-d6                | 6.940  | 99   | 946530   | 54.309  | ng    | -0.01        |
| 23) Nitrobenzene-d5         | 8.904  | 82   | 1472624  | 81.409  | ng    | -0.02        |
| 42) 2,4,6-Tribromophenol    | 15.892 | 330  | 1486604  | 158.165 | ng    | -0.01        |
| 45) 2-Fluorobiphenyl        | 13.010 | 172  | 4125107  | 76.770  | ng    | -0.02        |
| 79) Terphenyl-d14           | 19.768 | 244  | 6648397  | 82.854  | ng    | -0.01        |
| Target Compounds            |        |      |          |         |       |              |
| 35) Caprolactam             | 11.516 | 113  | 673454   | 155.586 | ng    | Qvalue<br>98 |
| -----                       |        |      |          |         |       |              |

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

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM050725\  
Data File : BM050135.D  
Acq On : 07 May 2025 15:05  
Operator : RC/JU  
Sample : Q1945-02  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
GB3W

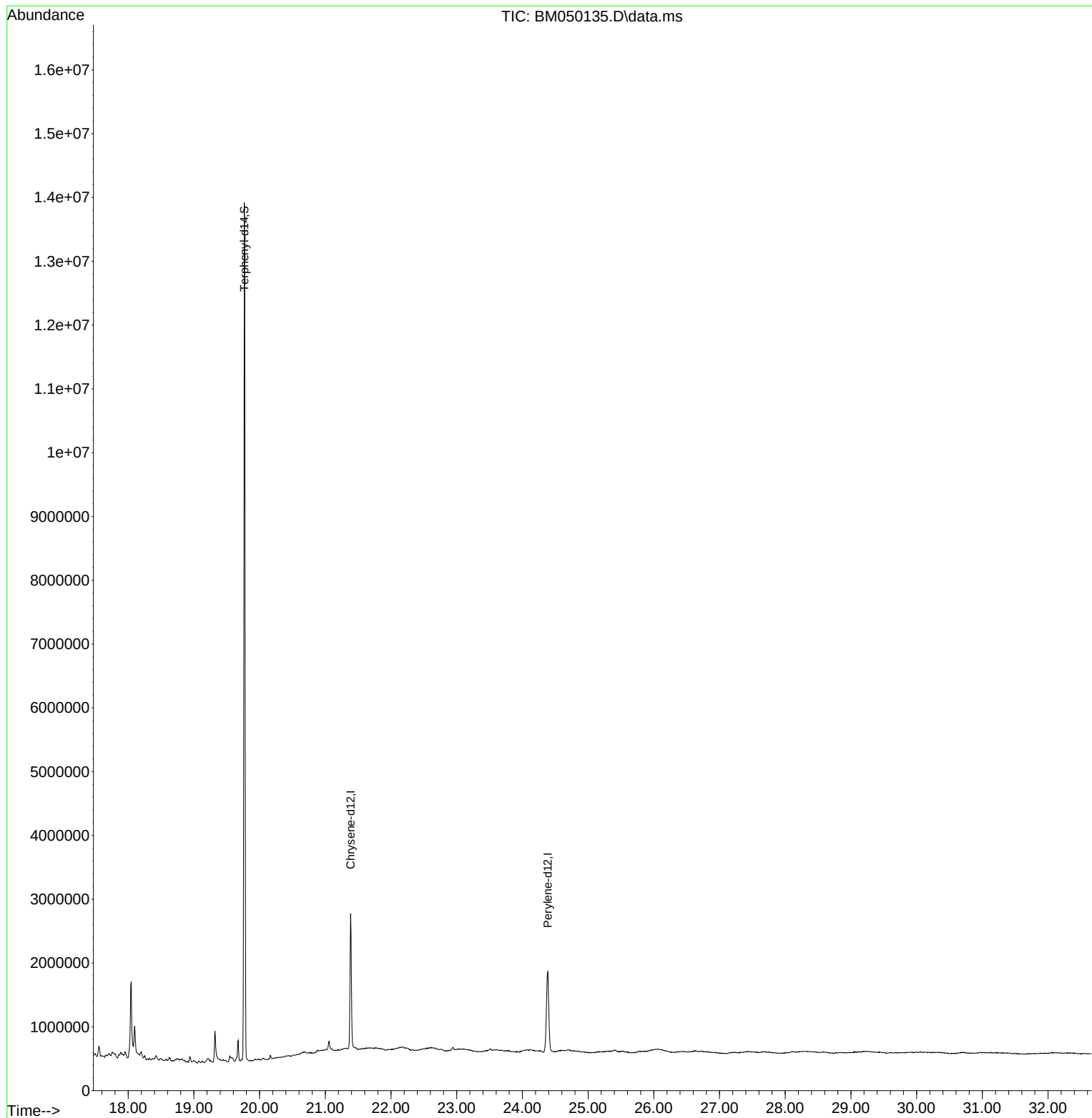
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Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM042825.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Apr 28 18:09:16 2025  
Response via : Initial Calibration



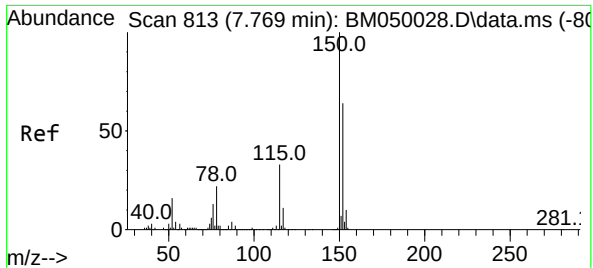
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Data File : BM050135.D  
Acq On : 07 May 2025 15:05  
Operator : RC/JU  
Sample : Q1945-02  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
GB3W

Quant Time: May 07 15:45:21 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM042825.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Apr 28 18:09:16 2025  
Response via : Initial Calibration



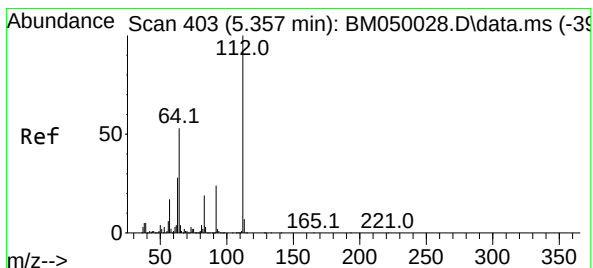
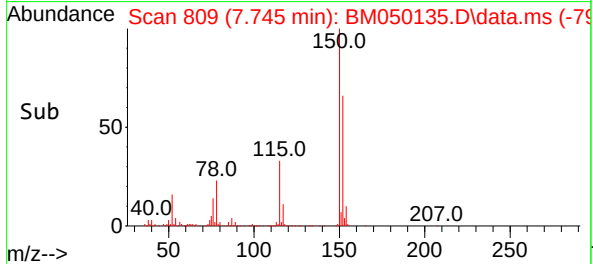
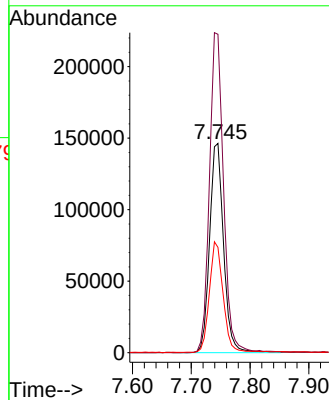
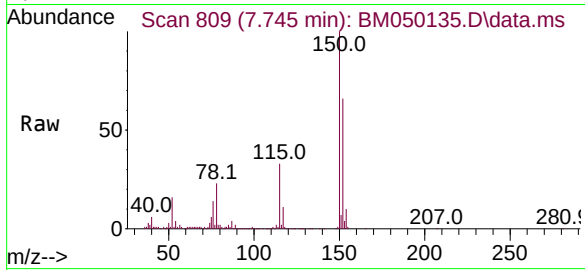




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.745 min Scan# 809  
Delta R.T. -0.024 min  
Lab File: BM050135.D  
Acq: 07 May 2025 15:05

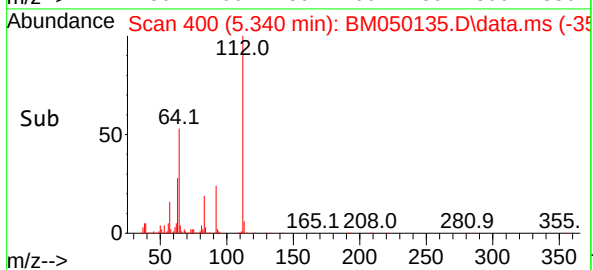
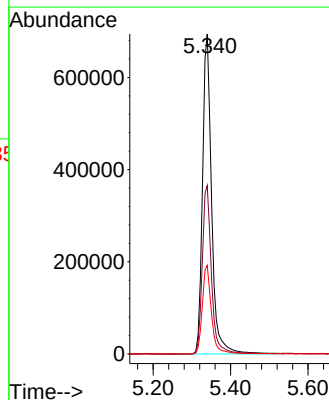
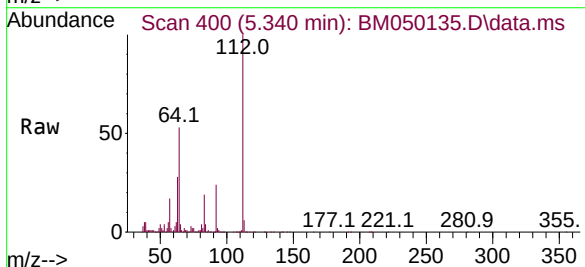
Instrument :  
BNA\_M  
ClientSampleId :  
GB3W

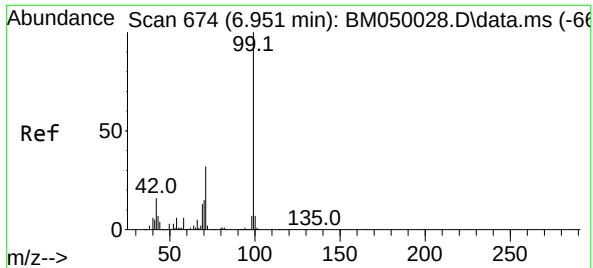
Tgt Ion:152 Resp: 242816  
Ion Ratio Lower Upper  
152 100  
150 152.1 124.1 186.1  
115 50.3 41.2 61.8



#5  
2-Fluorophenol  
Concen: 81.715 ng  
RT: 5.340 min Scan# 400  
Delta R.T. -0.018 min  
Lab File: BM050135.D  
Acq: 07 May 2025 15:05

Tgt Ion:112 Resp: 1133119  
Ion Ratio Lower Upper  
112 100  
64 52.6 42.6 64.0  
63 27.7 22.2 33.4

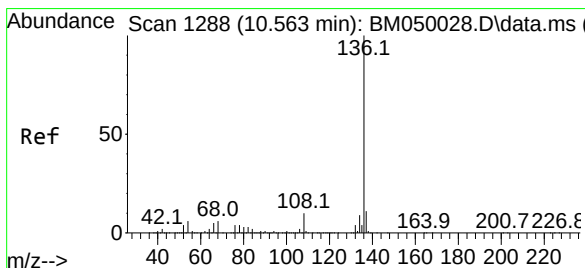
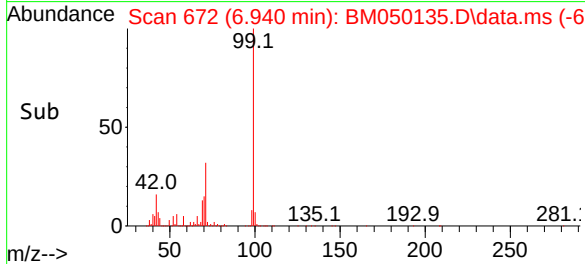
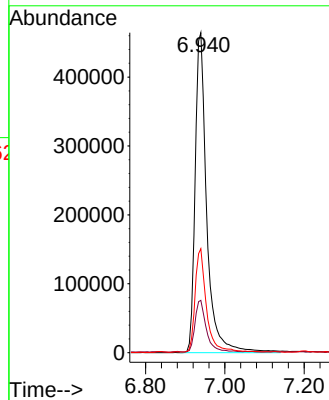
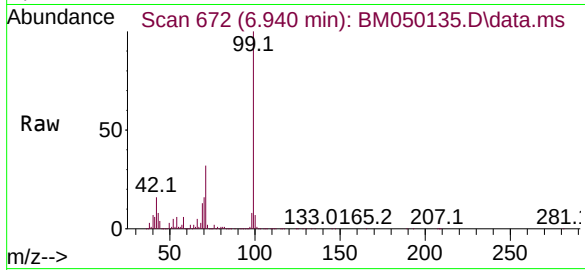




#7  
Phenol-d6  
Concen: 54.309 ng  
RT: 6.940 min Scan# 61  
Delta R.T. -0.012 min  
Lab File: BM050135.D  
Acq: 07 May 2025 15:05

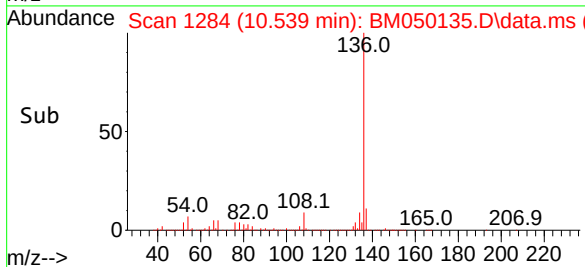
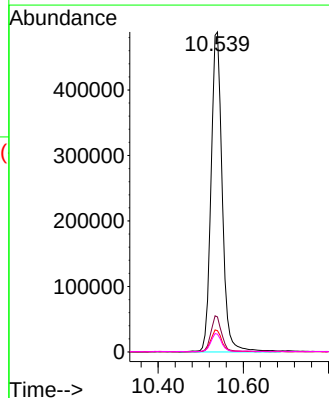
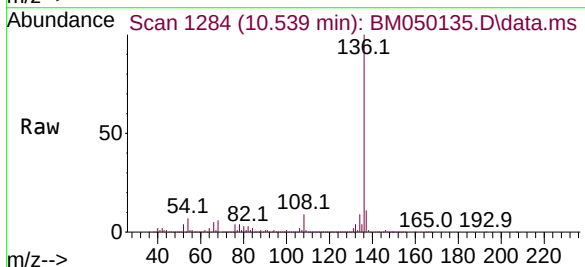
Instrument :  
BNA\_M  
ClientSampleId :  
GB3W

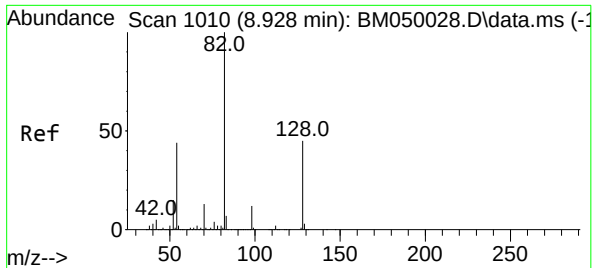
Tgt Ion: 99 Resp: 946530  
Ion Ratio Lower Upper  
99 100  
42 16.4 13.0 19.4  
71 32.5 25.6 38.4



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.539 min Scan# 1284  
Delta R.T. -0.024 min  
Lab File: BM050135.D  
Acq: 07 May 2025 15:05

Tgt Ion: 136 Resp: 891368  
Ion Ratio Lower Upper  
136 100  
137 11.0 8.9 13.3  
54 6.7 5.1 7.7  
68 5.6 4.4 6.6





#23

Nitrobenzene-d5

Concen: 81.409 ng

RT: 8.904 min Scan# 1006

Delta R.T. -0.024 min

Lab File: BM050135.D

Acq: 07 May 2025 15:05

Instrument :

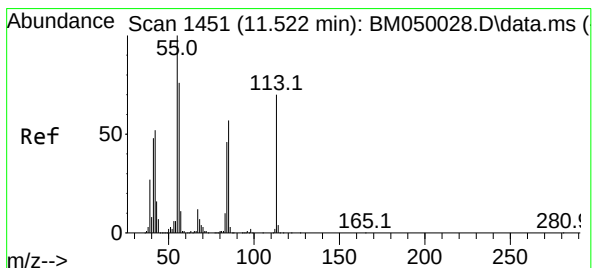
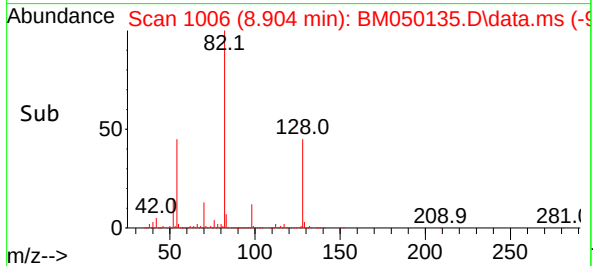
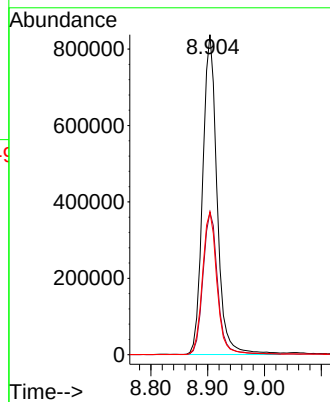
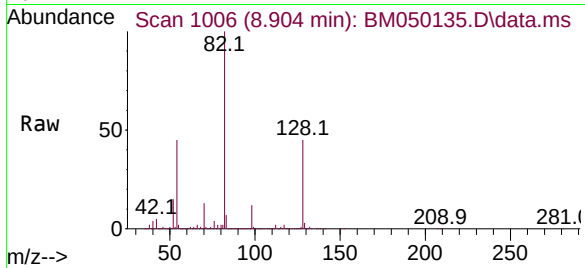
BNA\_M

ClientSampleId :

GB3W

Tgt Ion: 82 Resp: 1472624

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 44.6  | 35.7  | 53.5  |
| 54  | 44.6  | 35.4  | 53.2  |



#35

Caprolactam

Concen: 155.586 ng

RT: 11.516 min Scan# 1450

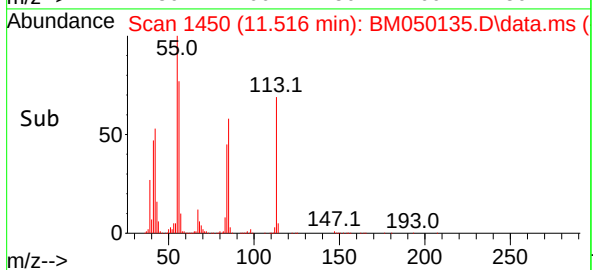
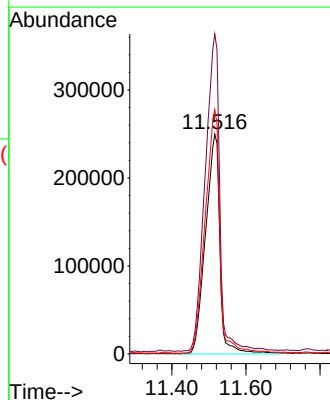
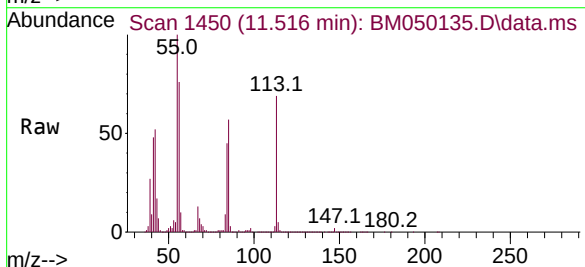
Delta R.T. -0.006 min

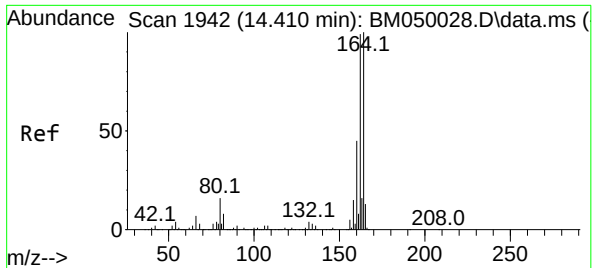
Lab File: BM050135.D

Acq: 07 May 2025 15:05

Tgt Ion: 113 Resp: 673454

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 113 | 100   |       |       |
| 55  | 145.5 | 122.9 | 162.9 |
| 56  | 111.1 | 88.1  | 128.1 |

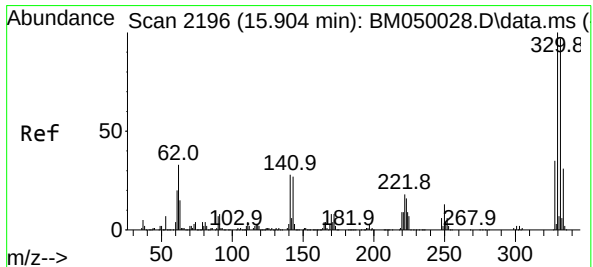
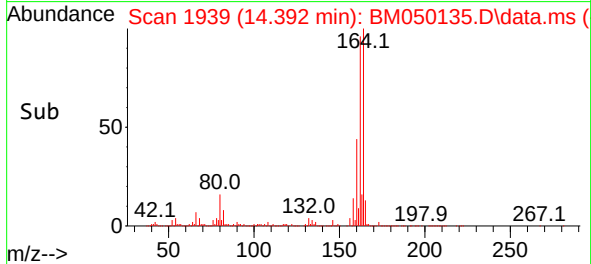
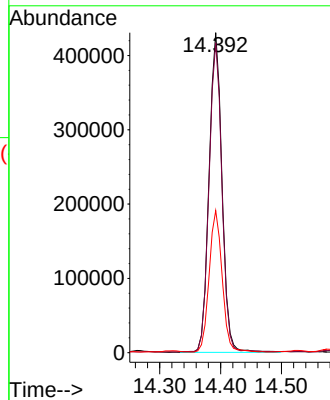
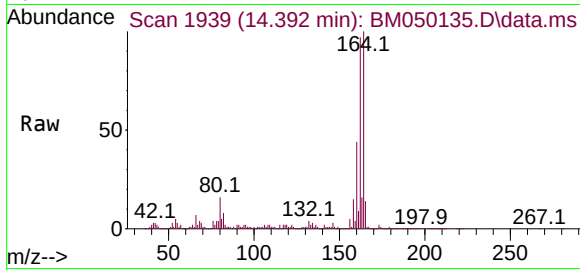




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.392 min Scan# 1939  
Delta R.T. -0.018 min  
Lab File: BM050135.D  
Acq: 07 May 2025 15:05

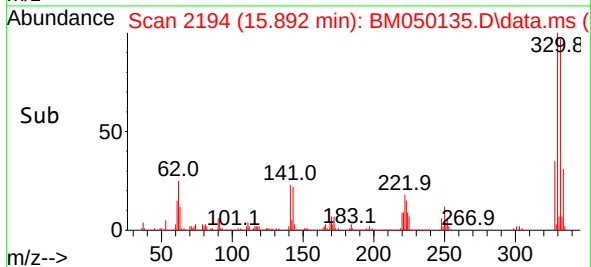
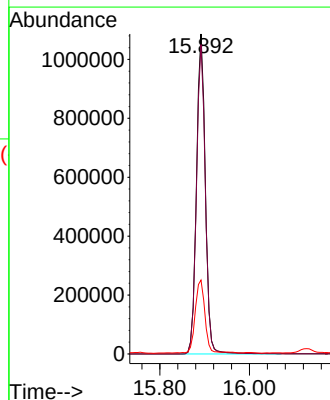
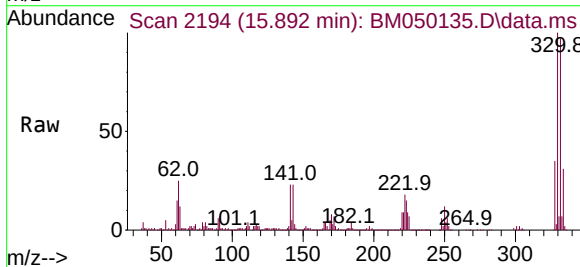
Instrument :  
BNA\_M  
ClientSampleId :  
GB3W

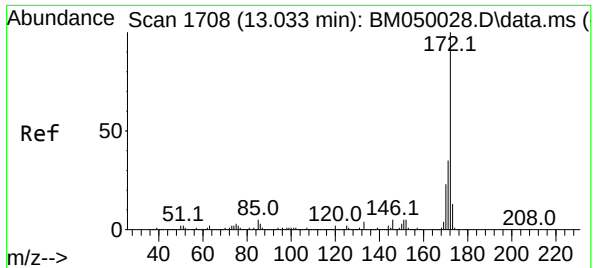
Tgt Ion:164 Resp: 635661  
Ion Ratio Lower Upper  
164 100  
162 96.8 79.4 119.0  
160 44.4 36.2 54.4



#42  
2,4,6-Tribromophenol  
Concen: 158.165 ng  
RT: 15.892 min Scan# 2194  
Delta R.T. -0.012 min  
Lab File: BM050135.D  
Acq: 07 May 2025 15:05

Tgt Ion:330 Resp: 1486604  
Ion Ratio Lower Upper  
330 100  
332 96.9 77.3 115.9  
141 25.3 22.5 33.7

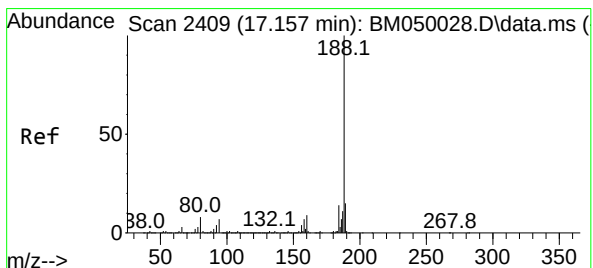
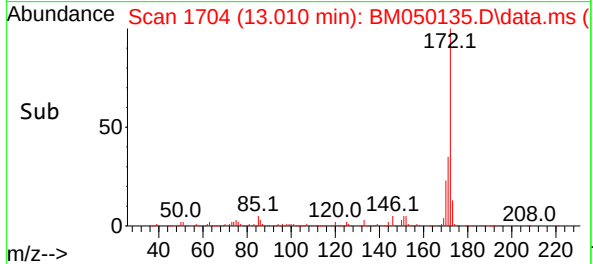
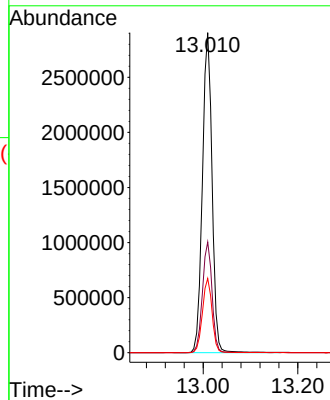
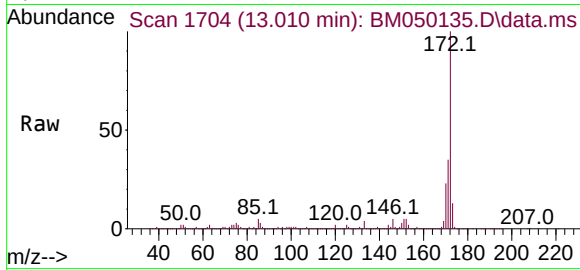




#45  
2-Fluorobiphenyl  
Concen: 76.770 ng  
RT: 13.010 min Scan# 1  
Delta R.T. -0.024 min  
Lab File: BM050135.D  
Acq: 07 May 2025 15:05

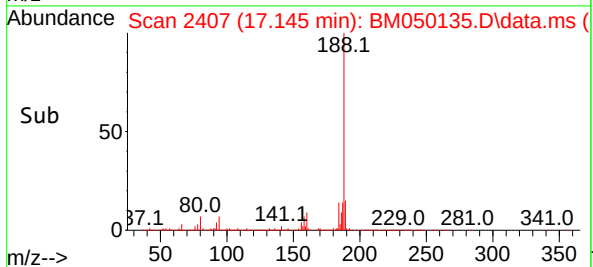
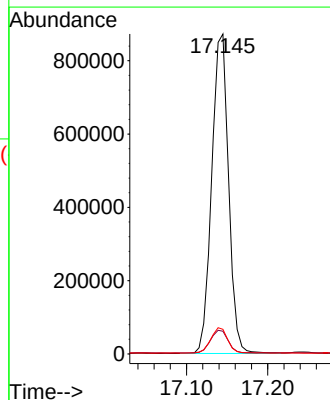
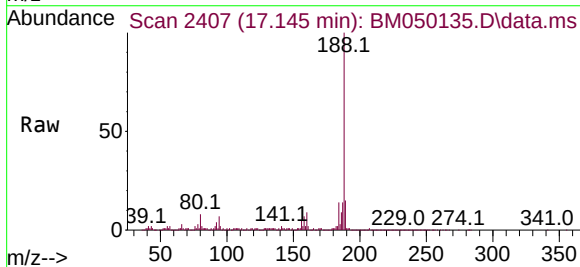
Instrument :  
BNA\_M  
ClientSampleId :  
GB3W

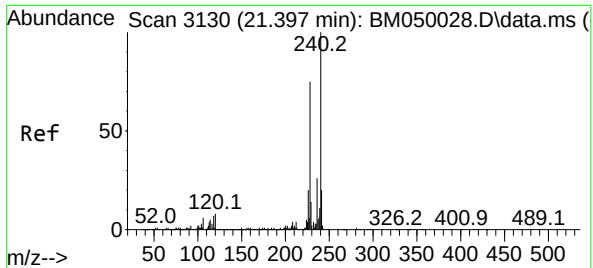
Tgt Ion:172 Resp: 4125107  
Ion Ratio Lower Upper  
172 100  
171 34.6 27.8 41.6  
170 23.2 18.6 28.0



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.145 min Scan# 2407  
Delta R.T. -0.012 min  
Lab File: BM050135.D  
Acq: 07 May 2025 15:05

Tgt Ion:188 Resp: 1255364  
Ion Ratio Lower Upper  
188 100  
94 7.1 5.7 8.5  
80 7.7 6.2 9.4

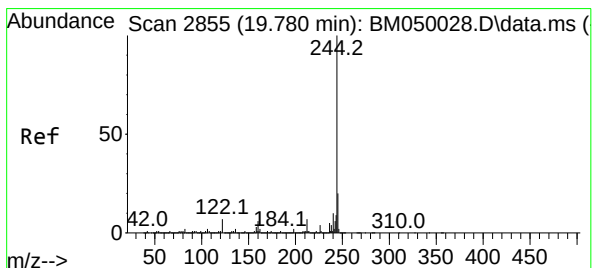
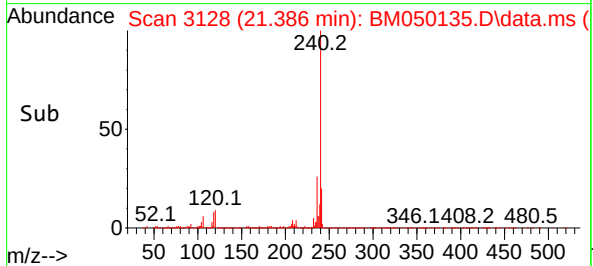
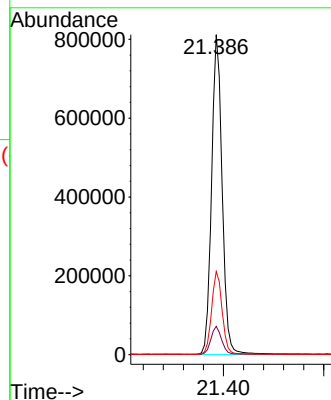
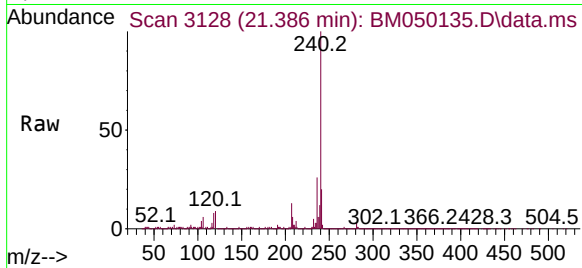




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.386 min Scan# 31  
Delta R.T. -0.011 min  
Lab File: BM050135.D  
Acq: 07 May 2025 15:05

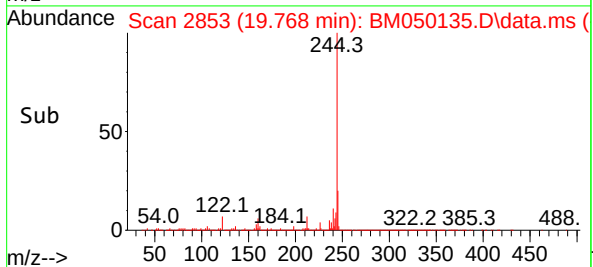
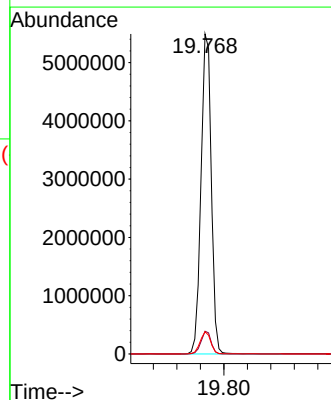
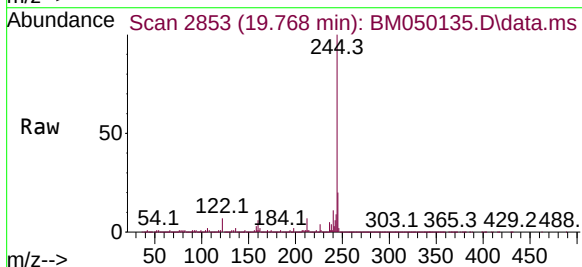
Instrument :  
BNA\_M  
ClientSampleId :  
GB3W

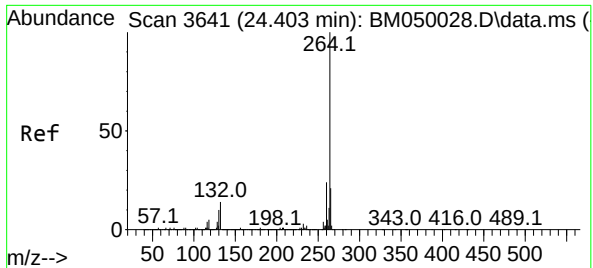
Tgt Ion:240 Resp: 1187377  
Ion Ratio Lower Upper  
240 100  
120 8.8 6.5 9.7  
236 26.0 20.9 31.3



#79  
Terphenyl-d14  
Concen: 82.854 ng  
RT: 19.768 min Scan# 2853  
Delta R.T. -0.012 min  
Lab File: BM050135.D  
Acq: 07 May 2025 15:05

Tgt Ion:244 Resp: 6648397  
Ion Ratio Lower Upper  
244 100  
212 7.1 5.6 8.4  
122 6.9 5.6 8.4

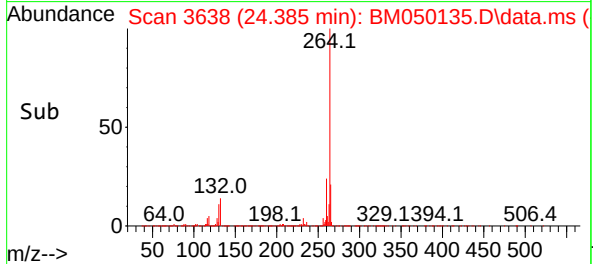
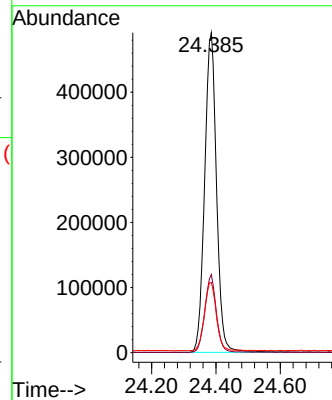
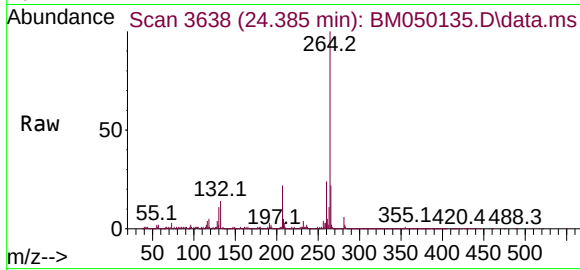




#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 24.385 min Scan# 30  
Delta R.T. -0.018 min  
Lab File: BM050135.D  
Acq: 07 May 2025 15:05

Instrument :  
BNA\_M  
ClientSampleId :  
GB3W

Tgt Ion:264 Resp: 1257762  
Ion Ratio Lower Upper  
264 100  
260 24.4 18.8 28.2  
265 22.0 17.0 25.4



Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM050725\  
 Data File : BM050135.D  
 Acq On : 07 May 2025 15:05  
 Operator : RC/JU  
 Sample : Q1945-02  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 GB3W

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\_M\Methods\8270-BM042825.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BM050135.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         | 3.940       | 156           | 162         | 169          | rVB      | 126985         | 185131        | 1.13%           | 0.197%        |
| 2         | 4.399       | 231           | 240         | 249          | rVB2     | 116058         | 203207        | 1.24%           | 0.216%        |
| 3         | 4.863       | 310           | 319         | 328          | rBV2     | 279159         | 512582        | 3.13%           | 0.546%        |
| 4         | 4.946       | 328           | 333         | 339          | rVV      | 123020         | 177135        | 1.08%           | 0.189%        |
| 5         | 5.340       | 394           | 400         | 412          | rBV      | 2249464        | 3618871       | 22.12%          | 3.852%        |
| 6         | 6.022       | 507           | 516         | 528          | rBV4     | 83342          | 238845        | 1.46%           | 0.254%        |
| 7         | 6.251       | 543           | 555         | 560          | rBV3     | 118742         | 238193        | 1.46%           | 0.254%        |
| 8         | 6.940       | 666           | 672         | 690          | rVB      | 1227926        | 2382329       | 14.56%          | 2.536%        |
| 9         | 7.739       | 799           | 808         | 815          | rBV      | 785516         | 1349752       | 8.25%           | 1.437%        |
| 10        | 8.045       | 848           | 860         | 865          | rBV2     | 75028          | 184565        | 1.13%           | 0.196%        |
| 11        | 8.234       | 886           | 892         | 897          | rBV      | 99943          | 171922        | 1.05%           | 0.183%        |
| 12        | 8.428       | 912           | 925         | 930          | rBV4     | 86671          | 202395        | 1.24%           | 0.215%        |
| 13        | 8.845       | 983           | 996         | 1000         | rBV      | 172913         | 335518        | 2.05%           | 0.357%        |
| 14        | 8.904       | 1000          | 1006        | 1021         | rVB      | 2367040        | 4545303       | 27.79%          | 4.839%        |
| 15        | 9.081       | 1027          | 1036        | 1045         | rVB7     | 66196          | 214525        | 1.31%           | 0.228%        |
| 16        | 9.186       | 1045          | 1054        | 1063         | rBV      | 82379          | 183165        | 1.12%           | 0.195%        |
| 17        | 9.733       | 1139          | 1147        | 1154         | rBV2     | 126513         | 281742        | 1.72%           | 0.300%        |
| 18        | 9.939       | 1176          | 1182        | 1190         | rBV3     | 420537         | 771473        | 4.72%           | 0.821%        |
| 19        | 10.404      | 1251          | 1261        | 1267         | rBV7     | 56475          | 187029        | 1.14%           | 0.199%        |
| 20        | 10.533      | 1272          | 1283        | 1289         | rVV2     | 1018905        | 2118262       | 12.95%          | 2.255%        |
| 21        | 10.586      | 1289          | 1292        | 1298         | rVV3     | 202209         | 335936        | 2.05%           | 0.358%        |
| 22        | 10.651      | 1298          | 1303        | 1308         | rVV      | 268472         | 415252        | 2.54%           | 0.442%        |
| 23        | 10.904      | 1341          | 1346        | 1352         | rBV      | 112280         | 181582        | 1.11%           | 0.193%        |
| 24        | 11.163      | 1385          | 1390        | 1393         | rBV      | 101425         | 180061        | 1.10%           | 0.192%        |
| 25        | 11.516      | 1432          | 1450        | 1455         | rBV      | 2149246        | 5744369       | 35.12%          | 6.115%        |
| 26        | 11.563      | 1455          | 1458        | 1463         | rVV4     | 151255         | 299078        | 1.83%           | 0.318%        |
| 27        | 11.645      | 1467          | 1472        | 1478         | rVB      | 216964         | 385537        | 2.36%           | 0.410%        |
| 28        | 11.769      | 1488          | 1493        | 1500         | rVB6     | 95218          | 205058        | 1.25%           | 0.218%        |
| 29        | 11.863      | 1500          | 1509        | 1515         | rVB3     | 179416         | 429065        | 2.62%           | 0.457%        |
| 30        | 11.933      | 1515          | 1521        | 1528         | rBV3     | 272040         | 569652        | 3.48%           | 0.606%        |
| 31        | 12.039      | 1532          | 1539        | 1542         | rVV2     | 111163         | 241622        | 1.48%           | 0.257%        |
| 32        | 12.098      | 1545          | 1549        | 1554         | rVB2     | 217383         | 357668        | 2.19%           | 0.381%        |
| 33        | 12.169      | 1556          | 1561        | 1565         | rBV3     | 114498         | 207173        | 1.27%           | 0.221%        |
| 34        | 12.216      | 1565          | 1569        | 1576         | rVB      | 163044         | 295325        | 1.81%           | 0.314%        |
| 35        | 12.398      | 1591          | 1600        | 1608         | rBV4     | 197117         | 711479        | 4.35%           | 0.757%        |
| 36        | 12.510      | 1614          | 1619        | 1629         | rVB3     | 240460         | 500797        | 3.06%           | 0.533%        |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM050725\  
Data File : BM050135.D  
Acq On : 07 May 2025 15:05  
Operator : RC/JU  
Sample : Q1945-02  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
GB3W

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

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

Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM042825.M  
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |      |      |      |      |          |          |         |         |
|----|--------|------|------|------|------|----------|----------|---------|---------|
| 37 | 12.733 | 1651 | 1657 | 1662 | rVB  | 175606   | 319508   | 1.95%   | 0.340%  |
| 38 | 12.933 | 1685 | 1691 | 1697 | rBV3 | 390116   | 762769   | 4.66%   | 0.812%  |
| 39 | 13.010 | 1697 | 1704 | 1710 | rVV  | 7459677  | 10572857 | 64.63%  | 11.255% |
| 40 | 13.321 | 1752 | 1757 | 1761 | rBV  | 143596   | 239302   | 1.46%   | 0.255%  |
| 41 | 13.374 | 1763 | 1766 | 1771 | rVB5 | 108431   | 174325   | 1.07%   | 0.186%  |
| 42 | 13.569 | 1789 | 1799 | 1805 | rBV8 | 273687   | 784728   | 4.80%   | 0.835%  |
| 43 | 13.716 | 1820 | 1824 | 1829 | rVB3 | 179089   | 299307   | 1.83%   | 0.319%  |
| 44 | 13.874 | 1847 | 1851 | 1856 | rVB3 | 453806   | 602290   | 3.68%   | 0.641%  |
| 45 | 14.033 | 1875 | 1878 | 1884 | rVB8 | 96224    | 173722   | 1.06%   | 0.185%  |
| 46 | 14.121 | 1890 | 1893 | 1901 | rVB8 | 117521   | 237707   | 1.45%   | 0.253%  |
| 47 | 14.221 | 1906 | 1910 | 1916 | rVB3 | 162839   | 296631   | 1.81%   | 0.316%  |
| 48 | 14.392 | 1931 | 1939 | 1946 | rBV  | 1809614  | 2817828  | 17.23%  | 3.000%  |
| 49 | 14.798 | 2003 | 2008 | 2016 | rVB2 | 402794   | 632030   | 3.86%   | 0.673%  |
| 50 | 14.868 | 2017 | 2020 | 2025 | rBV  | 209049   | 263837   | 1.61%   | 0.281%  |
| 51 | 14.921 | 2025 | 2029 | 2037 | rVB5 | 186841   | 449334   | 2.75%   | 0.478%  |
| 52 | 15.015 | 2040 | 2045 | 2051 | rBV  | 308575   | 623234   | 3.81%   | 0.663%  |
| 53 | 15.345 | 2098 | 2101 | 2107 | rVB2 | 163528   | 249924   | 1.53%   | 0.266%  |
| 54 | 15.568 | 2135 | 2139 | 2143 | rVB2 | 342974   | 444177   | 2.72%   | 0.473%  |
| 55 | 15.651 | 2149 | 2153 | 2160 | rVB2 | 596321   | 876819   | 5.36%   | 0.933%  |
| 56 | 15.751 | 2166 | 2170 | 2175 | rVB2 | 524103   | 803686   | 4.91%   | 0.856%  |
| 57 | 15.892 | 2188 | 2194 | 2201 | rVB  | 6709733  | 9334284  | 57.06%  | 9.937%  |
| 58 | 16.127 | 2229 | 2234 | 2247 | rVB2 | 1260394  | 2228623  | 13.62%  | 2.372%  |
| 59 | 16.257 | 2253 | 2256 | 2260 | rVB  | 175410   | 205301   | 1.26%   | 0.219%  |
| 60 | 16.504 | 2295 | 2298 | 2303 | rVB3 | 244987   | 322082   | 1.97%   | 0.343%  |
| 61 | 16.651 | 2319 | 2323 | 2326 | rBV  | 385565   | 539498   | 3.30%   | 0.574%  |
| 62 | 16.915 | 2365 | 2368 | 2371 | rBV  | 178680   | 265310   | 1.62%   | 0.282%  |
| 63 | 16.951 | 2371 | 2374 | 2383 | rVB2 | 433796   | 683418   | 4.18%   | 0.728%  |
| 64 | 17.145 | 2402 | 2407 | 2413 | rBV  | 2086129  | 3022775  | 18.48%  | 3.218%  |
| 65 | 18.045 | 2553 | 2560 | 2566 | rBV3 | 1177478  | 1969099  | 12.04%  | 2.096%  |
| 66 | 18.098 | 2566 | 2569 | 2582 | rVB  | 463230   | 777127   | 4.75%   | 0.827%  |
| 67 | 19.321 | 2773 | 2777 | 2786 | rBV  | 474846   | 730337   | 4.46%   | 0.777%  |
| 68 | 19.674 | 2834 | 2837 | 2841 | rVB  | 313670   | 340063   | 2.08%   | 0.362%  |
| 69 | 19.768 | 2848 | 2853 | 2866 | rVB  | 13451000 | 16358025 | 100.00% | 17.413% |
| 70 | 21.386 | 3123 | 3128 | 3145 | rVB  | 2126941  | 3249054  | 19.86%  | 3.459%  |
| 71 | 24.385 | 3630 | 3638 | 3653 | rVB  | 1248353  | 3128363  | 19.12%  | 3.330%  |

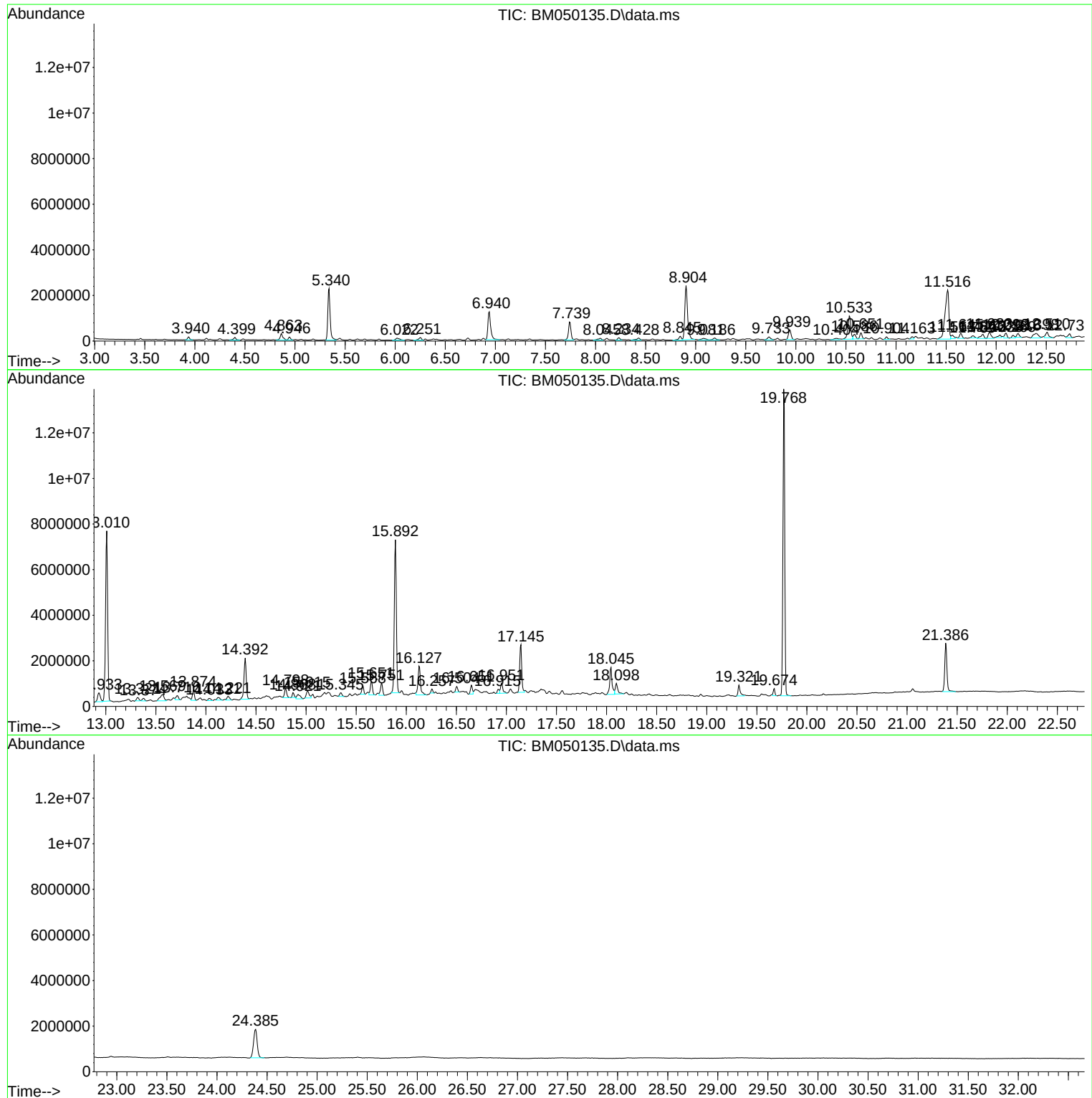
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Data File : BM050135.D  
Acq On : 07 May 2025 15:05  
Operator : RC/JU  
Sample : Q1945-02  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
GB3W

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM042825.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM050725\  
Data File : BM050135.D  
Acq On : 07 May 2025 15:05  
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Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

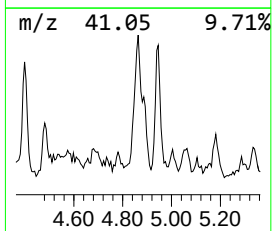
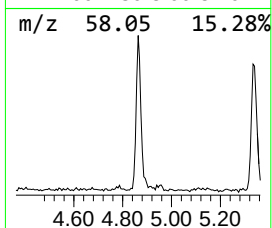
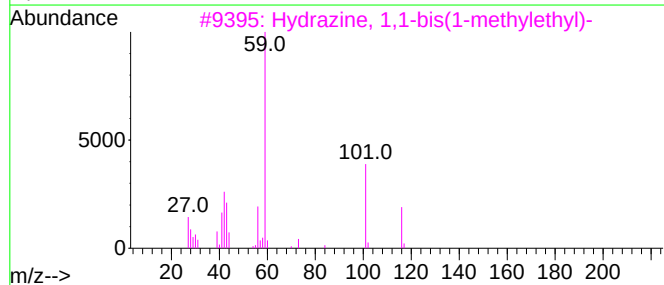
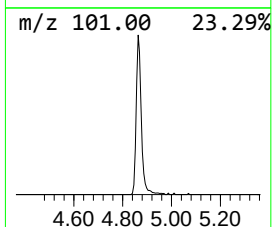
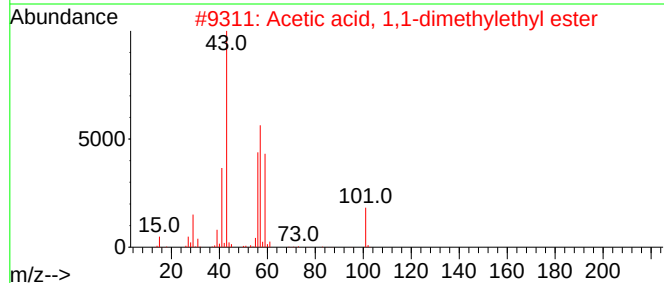
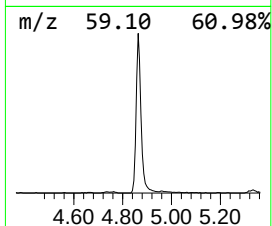
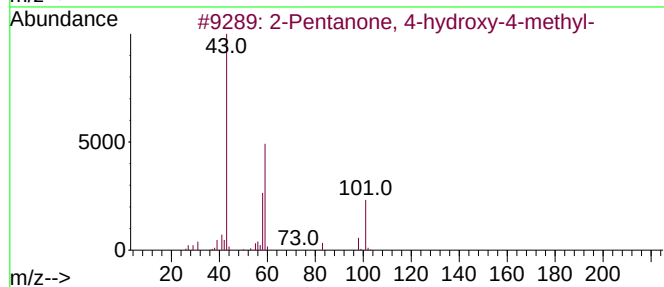
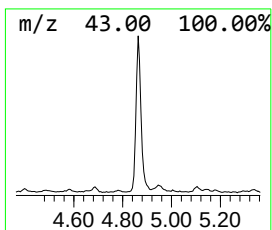
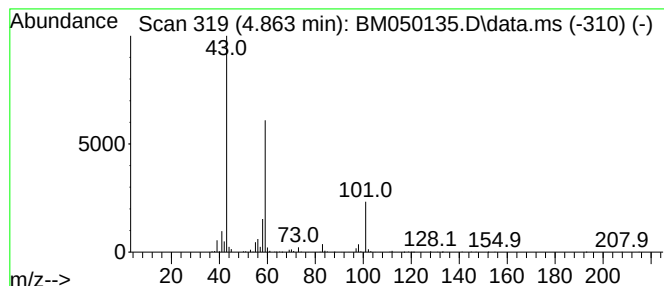
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TIC Integration Parameters: LSCINT.P

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Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

| R.T.  | EstConc | Area   | Relative to ISTD       | R.T.  |
|-------|---------|--------|------------------------|-------|
| 4.863 | 7.60 ng | 512582 | 1,4-Dichlorobenzene-d4 | 7.745 |

| Hit# | of                                  | 5   | Tentative ID | MW          | MolForm | CAS# | Qual |
|------|-------------------------------------|-----|--------------|-------------|---------|------|------|
| 1    | 2-Pentanone, 4-hydroxy-4-methyl-    | 116 | C6H12O2      | 000123-42-2 | 50      |      |      |
| 2    | Acetic acid, 1,1-dimethylethyl e... | 116 | C6H12O2      | 000540-88-5 | 45      |      |      |
| 3    | Hydrazine, 1,1-bis(1-methylethyl)-  | 116 | C6H16N2      | 000921-14-2 | 28      |      |      |
| 4    | 2,3-Butanedione, monooxime          | 101 | C4H7NO2      | 000057-71-6 | 25      |      |      |
| 5    | 2-Hexanol, 2-methyl-                | 116 | C7H16O       | 000625-23-0 | 25      |      |      |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM050725\  
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Acq On : 07 May 2025 15:05  
Operator : RC/JU  
Sample : Q1945-02  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
GB3W

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM042825.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

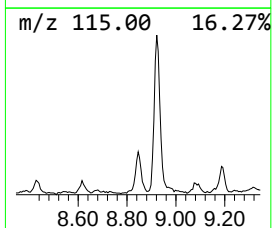
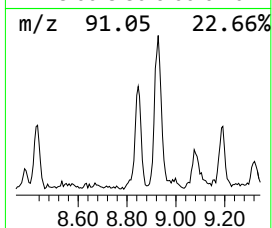
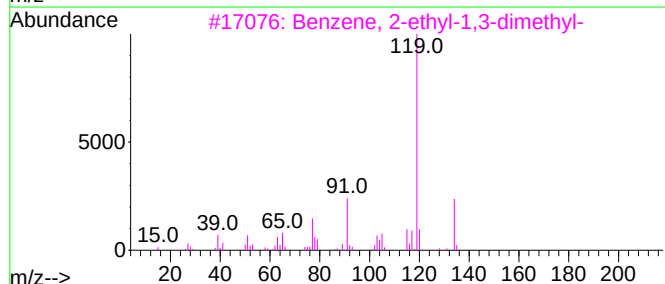
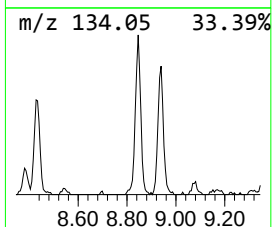
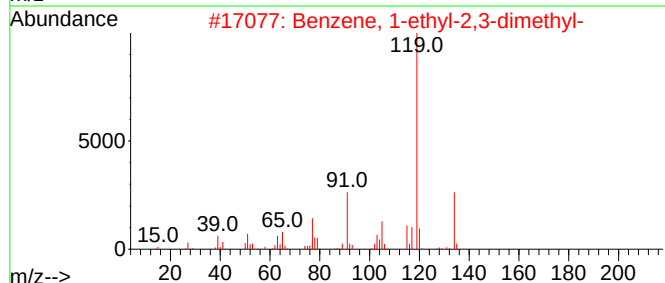
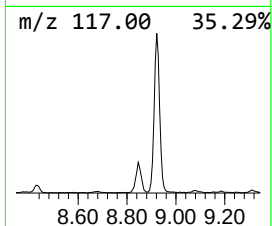
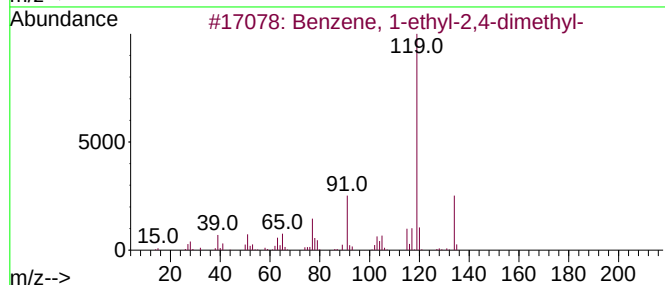
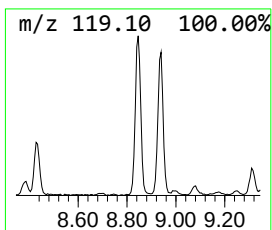
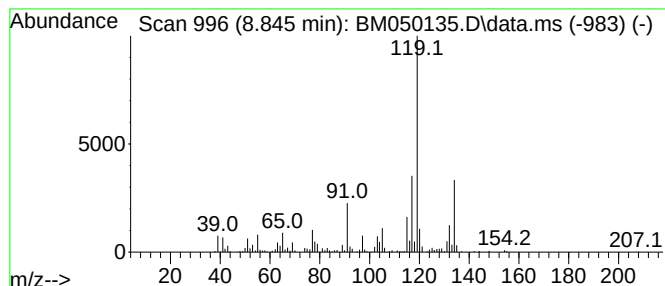
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 Benzene, 1-ethyl-2,4-dimethyl- Concentration Rank 12

| R.T.  | EstConc | Area   | Relative to ISTD       | R.T.  |
|-------|---------|--------|------------------------|-------|
| 8.845 | 4.97 ng | 335518 | 1,4-Dichlorobenzene-d4 | 7.745 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, 1-ethyl-2,4-dimethyl-      | 134 | C10H14  | 000874-41-9 | 90   |
| 2    |    |   | Benzene, 1-ethyl-2,3-dimethyl-      | 134 | C10H14  | 000933-98-2 | 81   |
| 3    |    |   | Benzene, 2-ethyl-1,3-dimethyl-      | 134 | C10H14  | 002870-04-4 | 81   |
| 4    |    |   | 1,3-Cyclopentadiene, 1,2,3,4-tet... | 134 | C10H14  | 076089-59-3 | 81   |
| 5    |    |   | Benzene, 1-ethyl-3,5-dimethyl-      | 134 | C10H14  | 000934-74-7 | 76   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM050725\  
Data File : BM050135.D  
Acq On : 07 May 2025 15:05  
Operator : RC/JU  
Sample : Q1945-02  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
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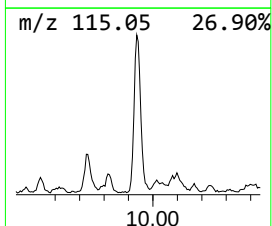
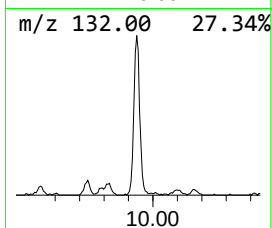
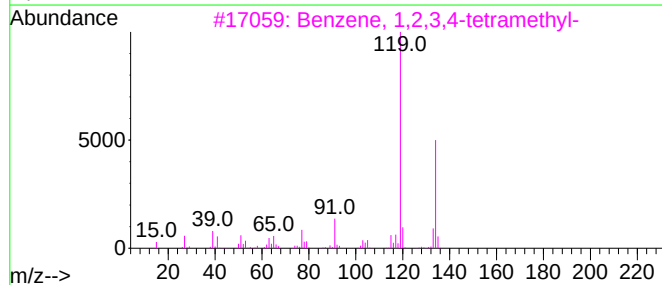
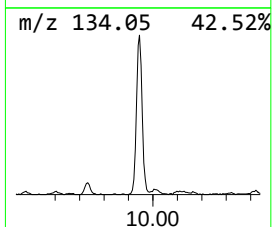
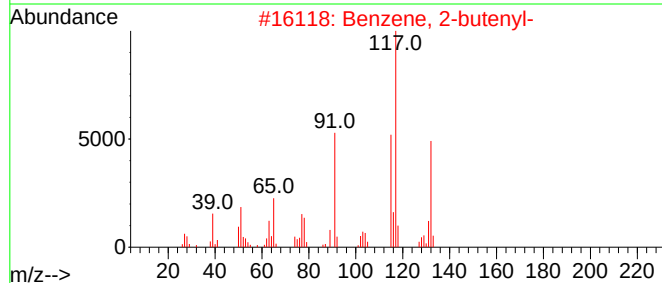
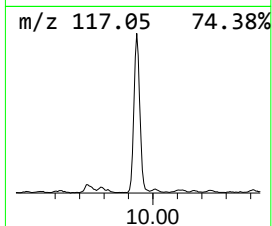
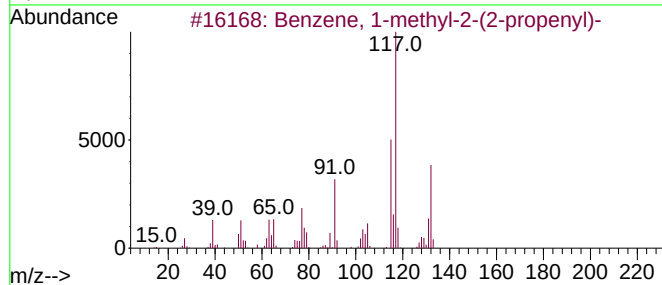
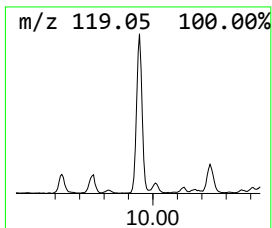
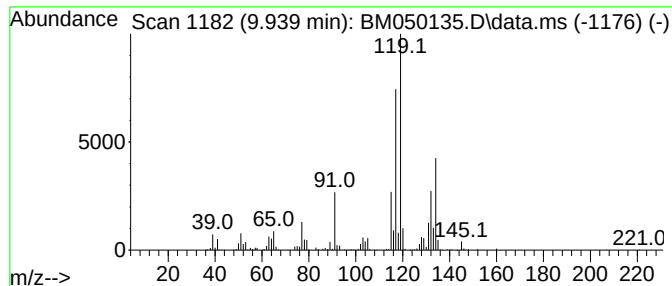
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 3 Benzene, 1-methyl-2-(2-prop... Concentration Rank 4

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.   |
|-------|---------|--------|------------------|--------|
| 9.939 | 7.28 ng | 771473 | Naphthalene-d8   | 10.539 |

| Hit# | of | 5 | Tentative ID                      | MW  | MolForm | CAS#        | Qual |
|------|----|---|-----------------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, 1-methyl-2-(2-propenyl)- | 132 | C10H12  | 001587-04-8 | 87   |
| 2    |    |   | Benzene, 2-butenyl-               | 132 | C10H12  | 001560-06-1 | 87   |
| 3    |    |   | Benzene, 1,2,3,4-tetramethyl-     | 134 | C10H14  | 000488-23-3 | 50   |
| 4    |    |   | p-Cymene                          | 134 | C10H14  | 000099-87-6 | 50   |
| 5    |    |   | Benzene, 2-ethenyl-1,3-dimethyl-  | 132 | C10H12  | 002039-90-9 | 50   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM050725\  
Data File : BM050135.D  
Acq On : 07 May 2025 15:05  
Operator : RC/JU  
Sample : Q1945-02  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
GB3W

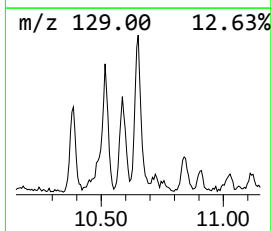
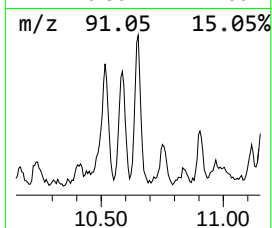
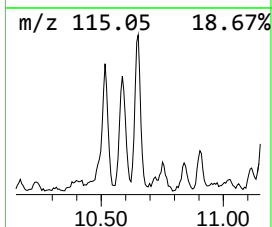
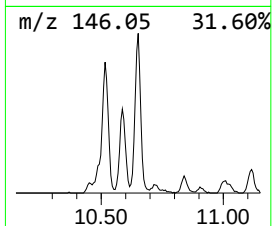
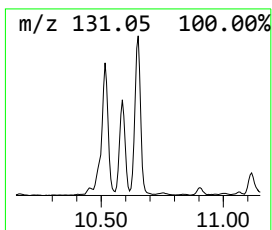
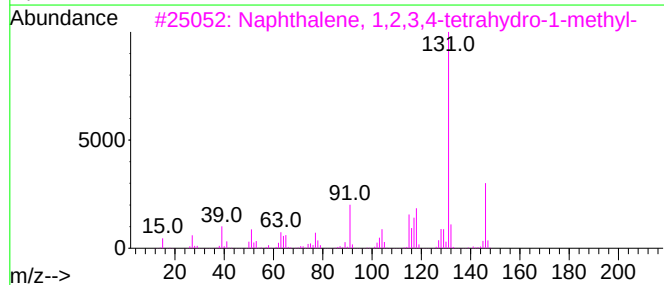
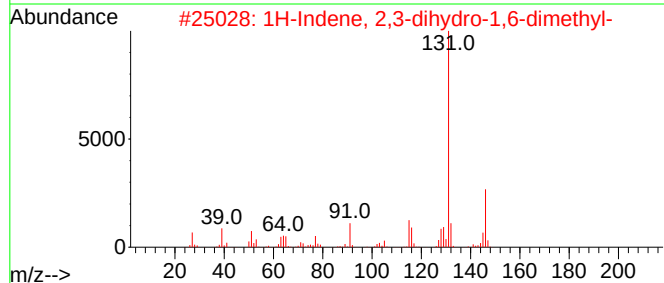
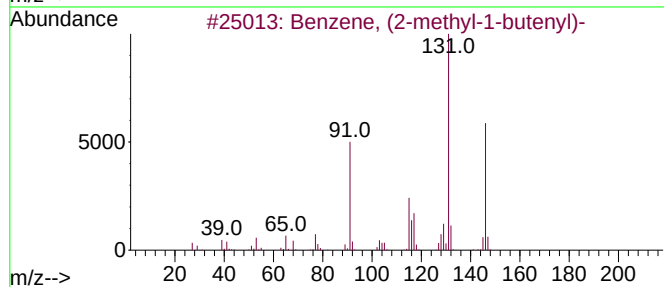
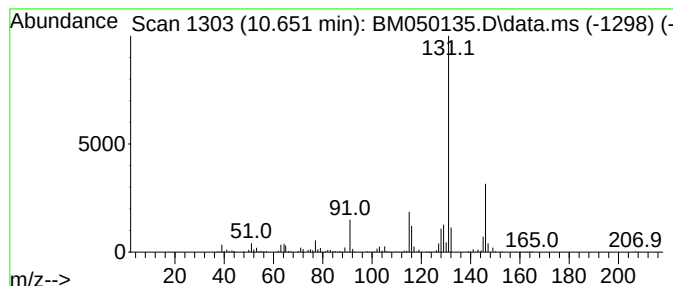
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 4 Benzene, (2-methyl-1-butenyl)- Concentration Rank 19

| R.T.      | EstConc                             | Area   | Relative to ISTD | R.T.        |      |
|-----------|-------------------------------------|--------|------------------|-------------|------|
| 10.651    | 3.92 ng                             | 415252 | Naphthalene-d8   | 10.539      |      |
| Hit# of 5 | Tentative ID                        | MW     | MolForm          | CAS#        | Qual |
| 1         | Benzene, (2-methyl-1-butenyl)-      | 146    | C11H14           | 056253-64-6 | 94   |
| 2         | 1H-Indene, 2,3-dihydro-1,6-dimet... | 146    | C11H14           | 017059-48-2 | 94   |
| 3         | Naphthalene, 1,2,3,4-tetrahydro-... | 146    | C11H14           | 001559-81-5 | 91   |
| 4         | Benzene, 1-methyl-4-(1-methyl-2-... | 146    | C11H14           | 097664-18-1 | 91   |
| 5         | Benzene, (3-methyl-2-butenyl)-      | 146    | C11H14           | 004489-84-3 | 91   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM050725\  
Data File : BM050135.D  
Acq On : 07 May 2025 15:05  
Operator : RC/JU  
Sample : Q1945-02  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
GB3W

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM042825.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

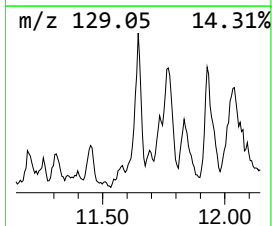
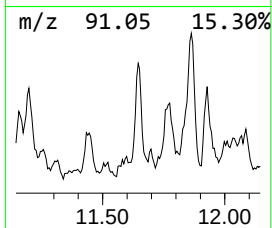
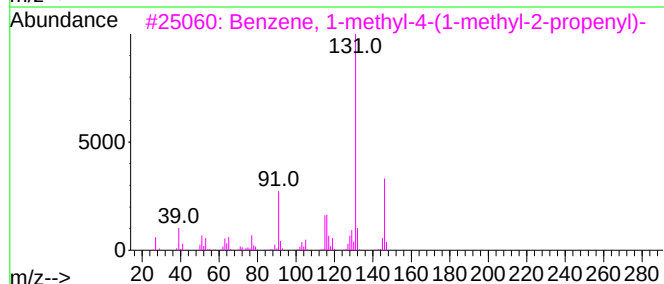
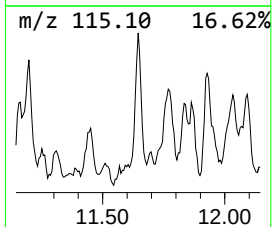
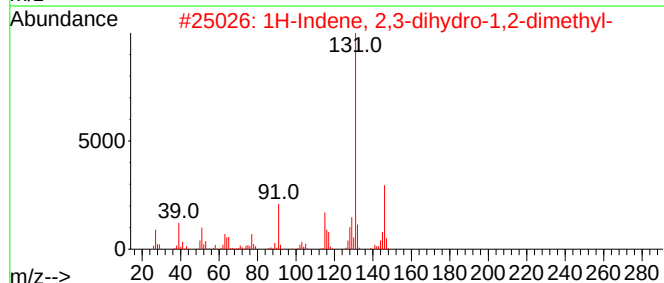
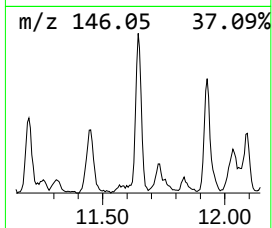
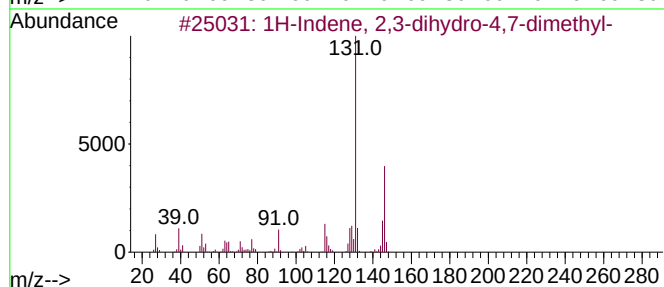
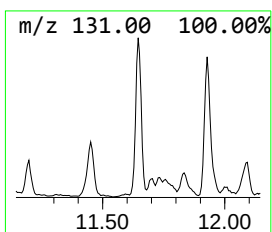
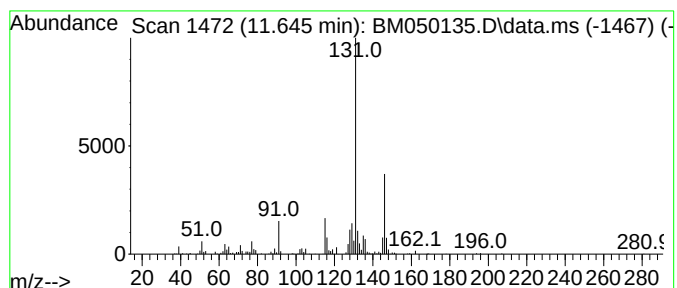
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 5 1H-Indene, 2,3-dihydro-4,7-... Concentration Rank 20

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 11.645 | 3.64 ng | 385537 | Naphthalene-d8   | 10.539 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | 1H-Indene, 2,3-dihydro-4,7-dimet... | 146 | C11H14  | 006682-71-9 | 91   |
| 2    |    |   | 1H-Indene, 2,3-dihydro-1,2-dimet... | 146 | C11H14  | 017057-82-8 | 90   |
| 3    |    |   | Benzene, 1-methyl-4-(1-methyl-2-... | 146 | C11H14  | 097664-18-1 | 90   |
| 4    |    |   | 1H-Indene, 2,3-dihydro-1,6-dimet... | 146 | C11H14  | 017059-48-2 | 87   |
| 5    |    |   | 2,2-Dimethylindene, 2,3-dihydro-    | 146 | C11H14  | 020836-11-7 | 87   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM050725\  
Data File : BM050135.D  
Acq On : 07 May 2025 15:05  
Operator : RC/JU  
Sample : Q1945-02  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
GB3W

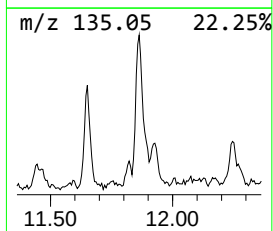
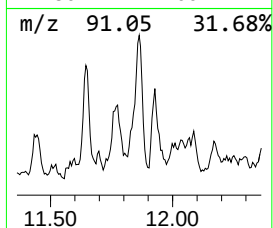
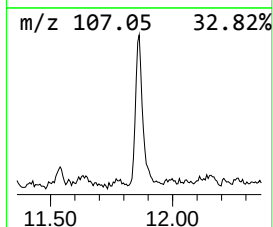
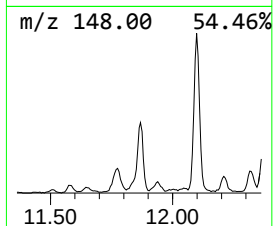
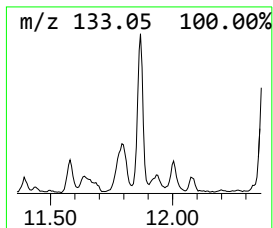
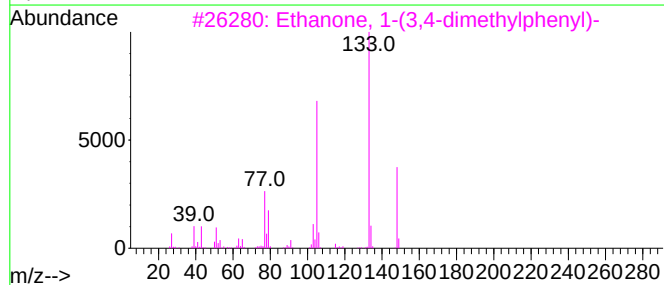
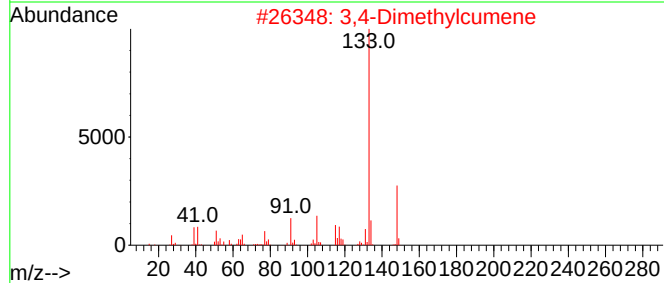
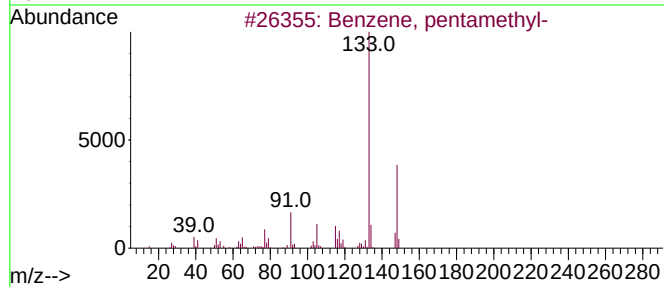
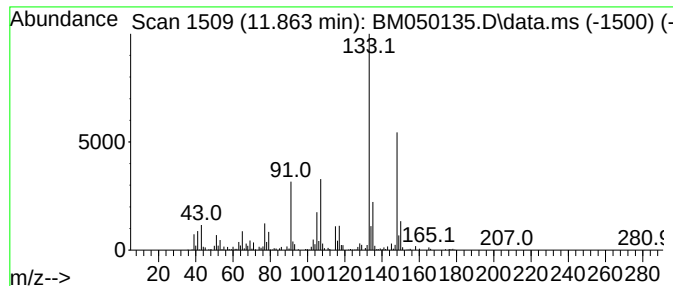
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 6 Benzene, pentamethyl- Concentration Rank 18

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 11.863 | 4.05 ng | 429065 | Naphthalene-d8   | 10.539 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|---------|--------------|------|
| 1    |    |   | Benzene, pentamethyl-               | 148 | C11H16  | 000700-12-9  | 76   |
| 2    |    |   | 3,4-Dimethylcumene                  | 148 | C11H16  | 1000370-34-1 | 76   |
| 3    |    |   | Ethanone, 1-(3,4-dimethylphenyl)-   | 148 | C10H12O | 003637-01-2  | 64   |
| 4    |    |   | Ethanone, 1-(4-ethylphenyl)-        | 148 | C10H12O | 000937-30-4  | 64   |
| 5    |    |   | Benzene, 1-ethyl-4-(1-methylethyl)- | 148 | C11H16  | 004218-48-8  | 62   |





Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM050725\  
Data File : BM050135.D  
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Operator : RC/JU  
Sample : Q1945-02  
Misc :  
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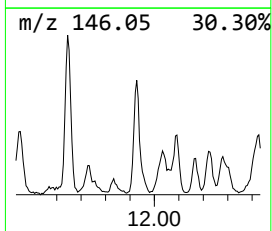
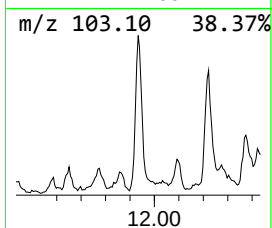
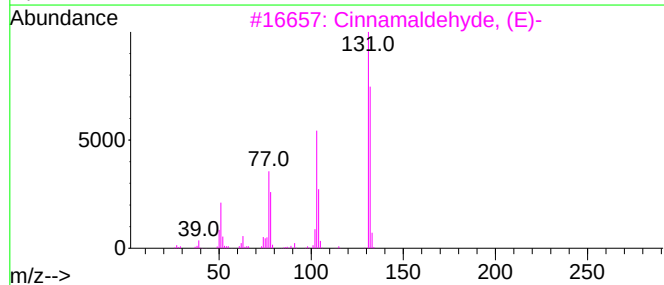
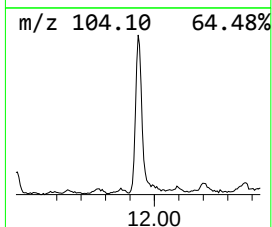
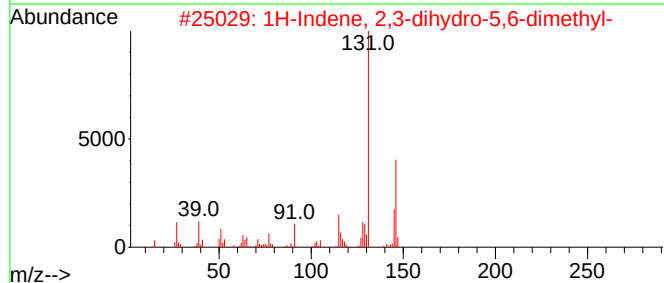
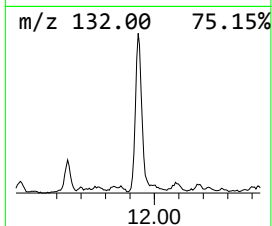
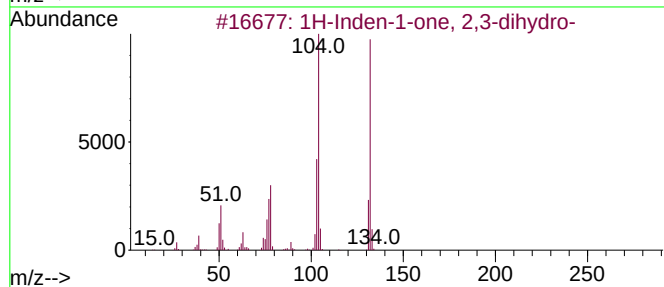
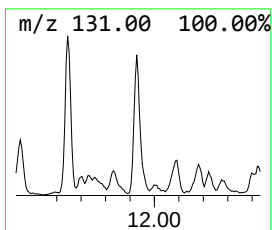
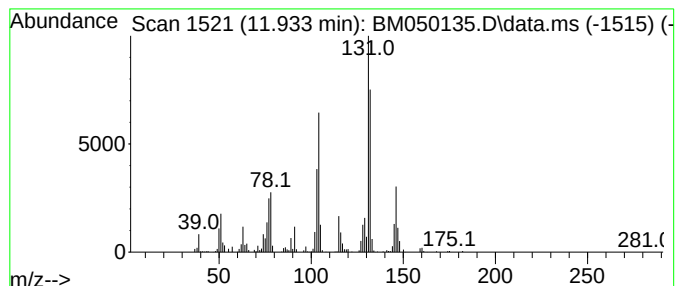
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 7 1H-Inden-1-one, 2,3-dihydro- Concentration Rank 10

| R.T.      | EstConc                             | Area   | Relative to ISTD | R.T.         |      |
|-----------|-------------------------------------|--------|------------------|--------------|------|
| 11.933    | 5.38 ng                             | 569652 | Naphthalene-d8   | 10.539       |      |
| Hit# of 5 | Tentative ID                        | MW     | MolForm          | CAS#         | Qual |
| 1         | 1H-Inden-1-one, 2,3-dihydro-        | 132    | C9H8O            | 000083-33-0  | 90   |
| 2         | 1H-Indene, 2,3-dihydro-5,6-dimet... | 146    | C11H14           | 001075-22-5  | 89   |
| 3         | Cinnamaldehyde, (E)-                | 132    | C9H8O            | 014371-10-9  | 70   |
| 4         | 3-Phenyl-2-propyn-1-ol              | 132    | C9H8O            | 001504-58-1  | 70   |
| 5         | 4-Methyl-1H-benzimidazole           | 132    | C8H8N2           | 1000486-24-5 | 60   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM050725\  
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ALS Vial : 9 Sample Multiplier: 1

Instrument :  
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ClientSampleId :  
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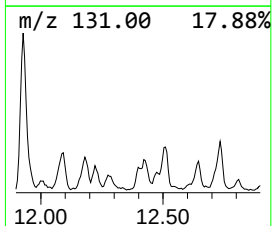
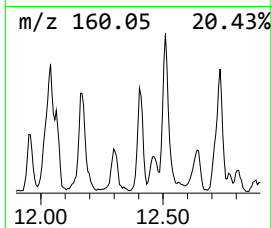
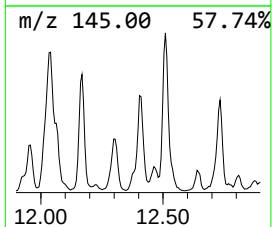
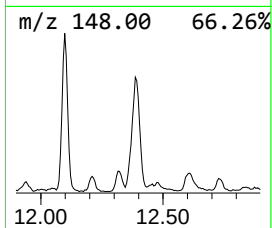
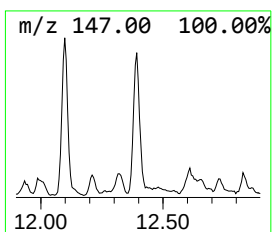
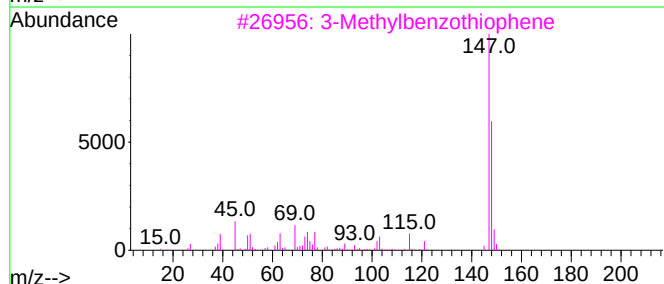
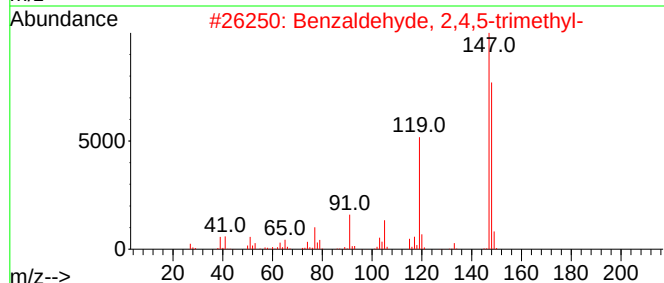
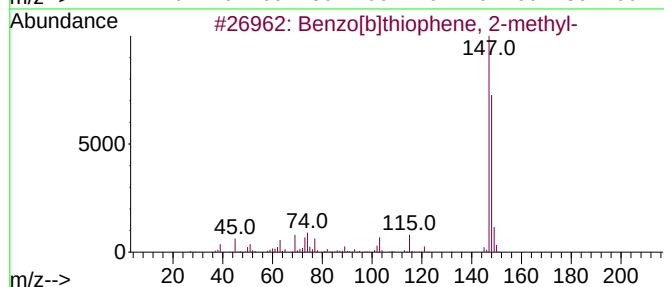
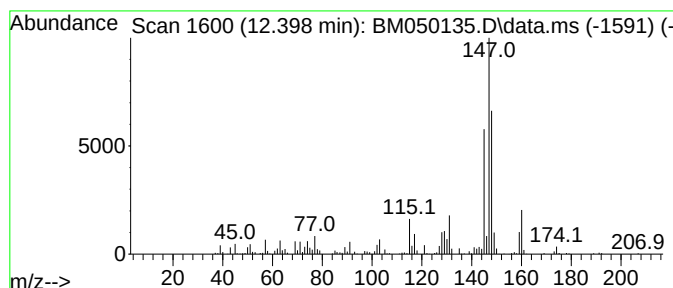
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 8 unknown12.398 Concentration Rank 5

| R.T.      | EstConc                             | Area   | Relative to ISTD | R.T.         |      |
|-----------|-------------------------------------|--------|------------------|--------------|------|
| 12.398    | 6.72 ng                             | 711479 | Naphthalene-d8   | 10.539       |      |
| Hit# of 5 | Tentative ID                        | MW     | MolForm          | CAS#         | Qual |
| 1         | Benzo[b]thiophene, 2-methyl-        | 148    | C9H8S            | 001195-14-8  | 49   |
| 2         | Benzaldehyde, 2,4,5-trimethyl-      | 148    | C10H12O          | 005779-72-6  | 46   |
| 3         | 3-Methylbenzothiophene              | 148    | C9H8S            | 001455-18-1  | 46   |
| 4         | 5-Methylthiophene-2,3-dicarbonit... | 148    | C7H4N2S          | 1000305-40-8 | 46   |
| 5         | 1H-Indene, 2,3-dihydro-4,5,7-tri... | 160    | C12H16           | 006682-06-0  | 38   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM050725\  
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Acq On : 07 May 2025 15:05  
Operator : RC/JU  
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Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
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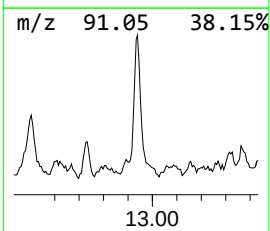
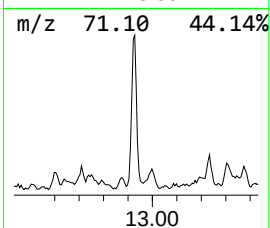
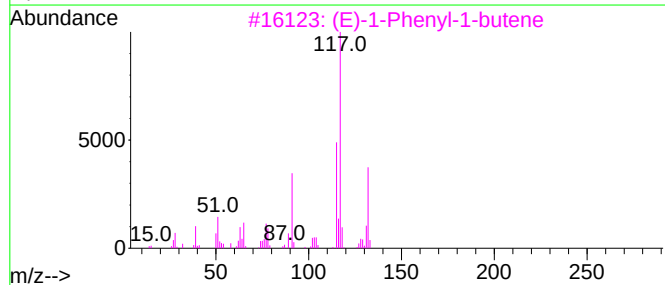
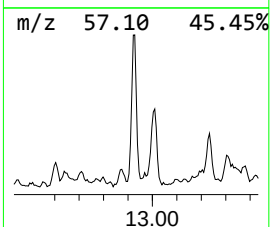
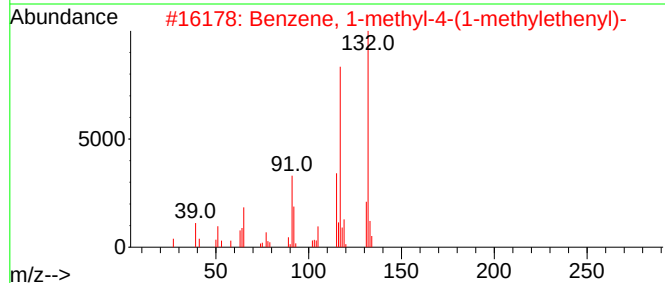
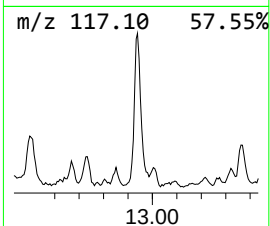
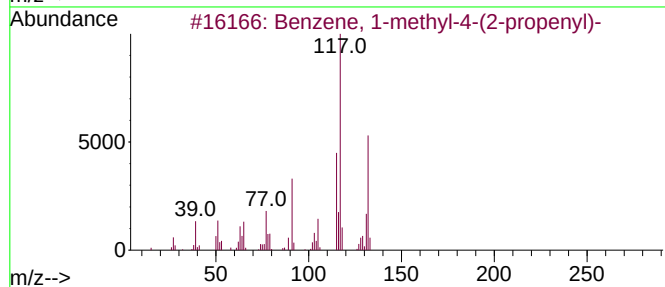
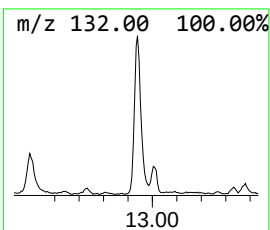
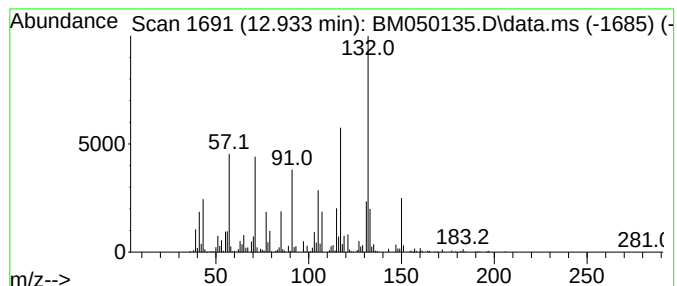
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 9 unknown12.933 Concentration Rank 9

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 12.933 | 5.41 ng | 762769 | Acenaphthene-d10 | 14.392 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|---------|--------------|------|
| 1    |    |   | Benzene, 1-methyl-4-(2-propenyl)-   | 132 | C10H12  | 003333-13-9  | 49   |
| 2    |    |   | Benzene, 1-methyl-4-(1-methyleth... | 132 | C10H12  | 001195-32-0  | 49   |
| 3    |    |   | (E)-1-Phenyl-1-butene               | 132 | C10H12  | 001005-64-7  | 43   |
| 4    |    |   | Benzene, (2-methyl-1-propenyl)-     | 132 | C10H12  | 000768-49-0  | 43   |
| 5    |    |   | p-(1-Propenyl)-toluene              | 132 | C10H12  | 1000429-54-9 | 41   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM050725\  
Data File : BM050135.D  
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Operator : RC/JU  
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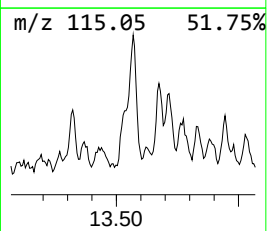
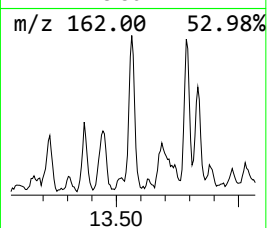
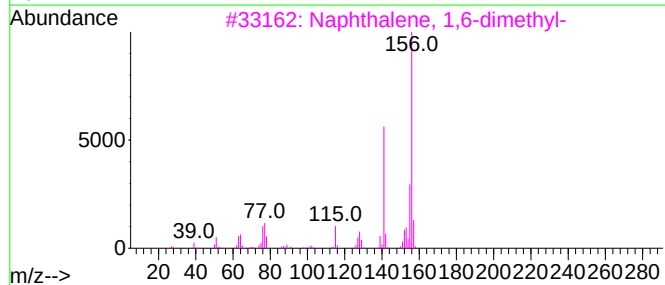
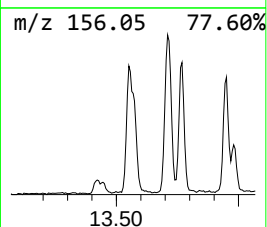
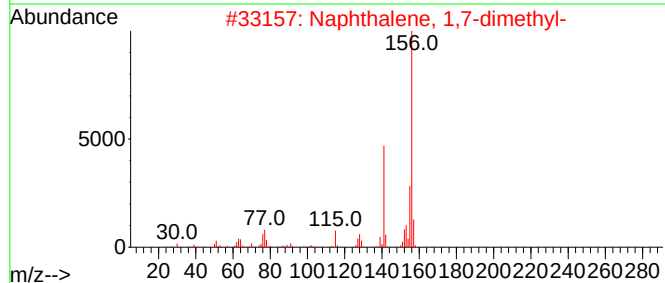
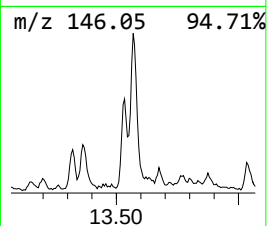
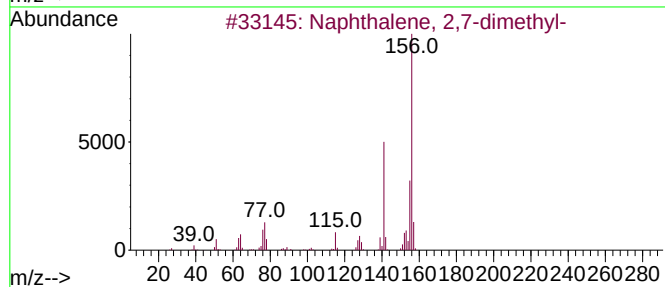
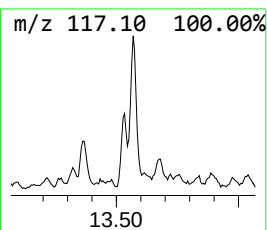
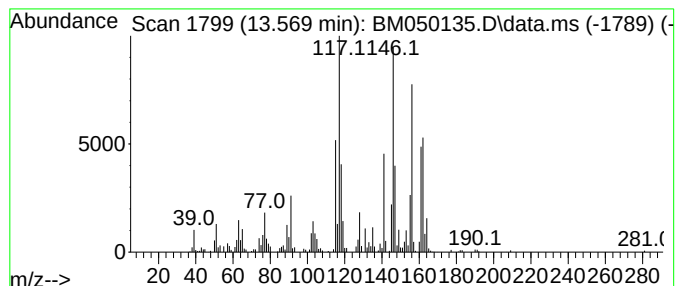
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TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 10 Naphthalene, 2,7-dimethyl- Concentration Rank 8

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 13.569 | 5.57 ng | 784728 | Acenaphthene-d10 | 14.392 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Naphthalene, 2,7-dimethyl-          | 156 | C12H12  | 000582-16-1 | 50   |
| 2    |    |   | Naphthalene, 1,7-dimethyl-          | 156 | C12H12  | 000575-37-1 | 48   |
| 3    |    |   | Naphthalene, 1,6-dimethyl-          | 156 | C12H12  | 000575-43-9 | 47   |
| 4    |    |   | Naphthalene, 2,6-dimethyl-          | 156 | C12H12  | 000581-42-0 | 47   |
| 5    |    |   | 1H-Indene-4-carboxaldehyde, 2,3-... | 146 | C10H10O | 051932-70-8 | 42   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM050725\  
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Acq On : 07 May 2025 15:05  
Operator : RC/JU  
Sample : Q1945-02  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
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ClientSampleId :  
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Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM042825.M  
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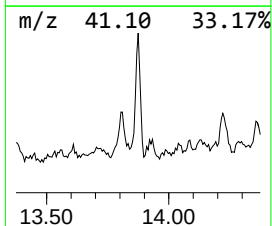
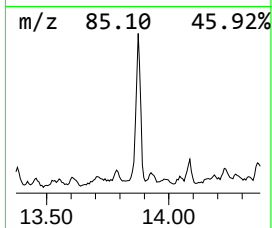
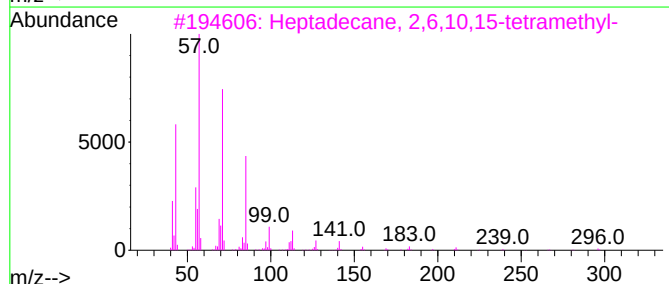
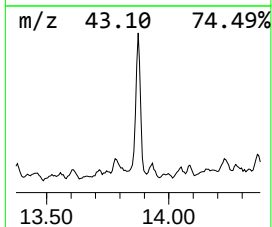
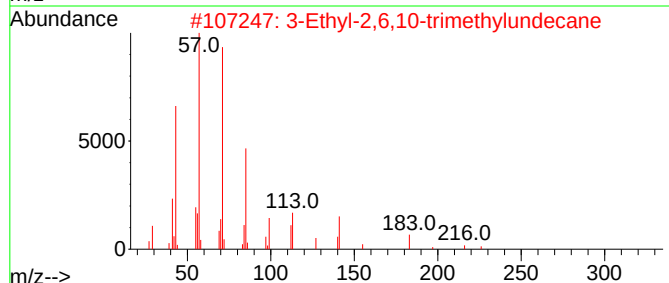
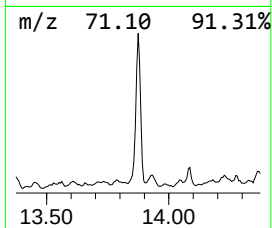
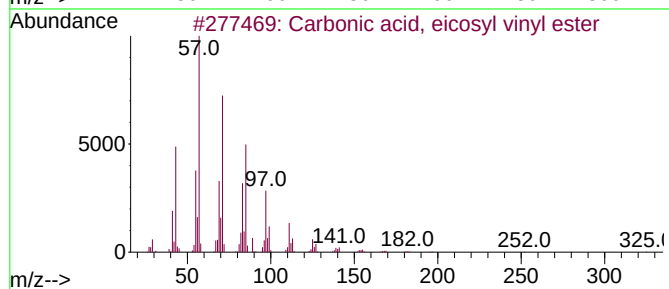
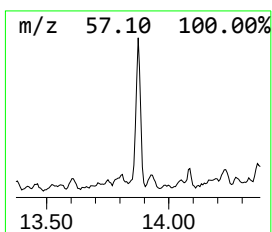
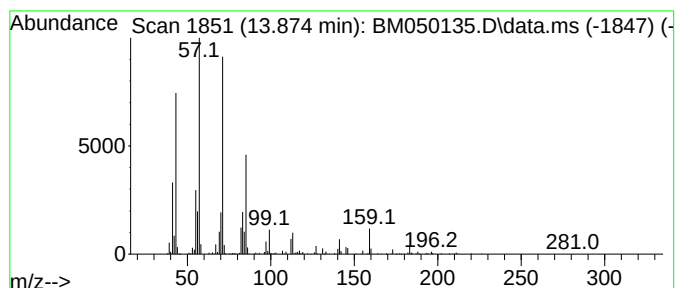
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Peak Number 11 Carbonic acid, eicosyl vinyl... Concentration Rank 17

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 13.874 | 4.27 ng | 602290 | Acenaphthene-d10 | 14.392 |

| Hit# | of 5 | Tentative ID                        | MW  | MolForm  | CAS#         | Qual |
|------|------|-------------------------------------|-----|----------|--------------|------|
| 1    |      | Carbonic acid, eicosyl vinyl ester  | 368 | C23H44O3 | 1000382-54-3 | 80   |
| 2    |      | 3-Ethyl-2,6,10-trimethylundecane    | 226 | C16H34   | 1000432-25-9 | 72   |
| 3    |      | Heptadecane, 2,6,10,15-tetramethyl- | 296 | C21H44   | 054833-48-6  | 72   |
| 4    |      | Decane, 5-propyl-                   | 184 | C13H28   | 017312-62-8  | 70   |
| 5    |      | Hexadecane                          | 226 | C16H34   | 000544-76-3  | 58   |



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Sample : Q1945-02  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

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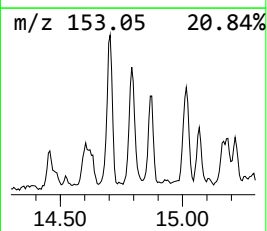
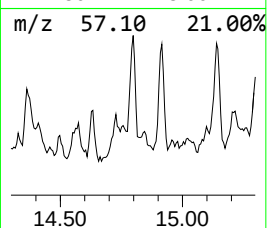
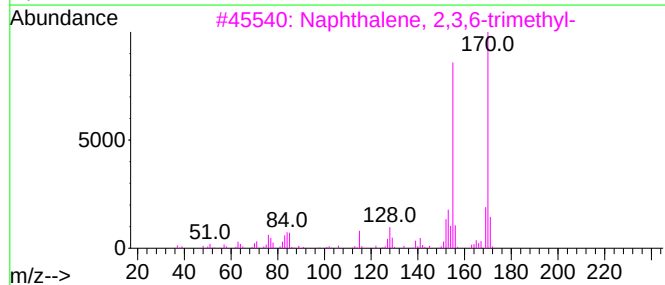
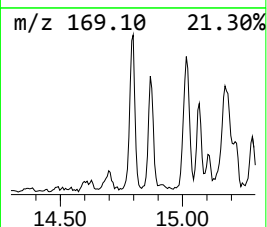
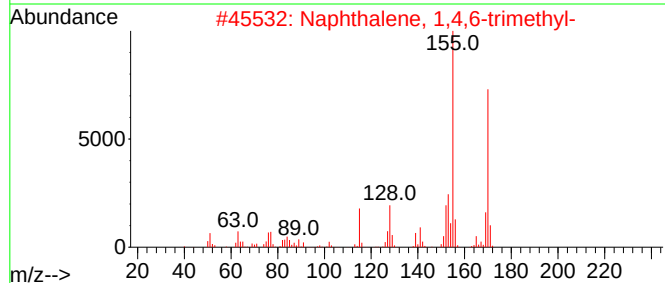
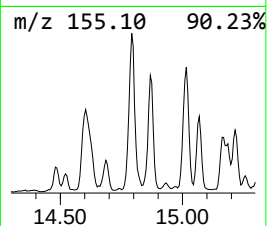
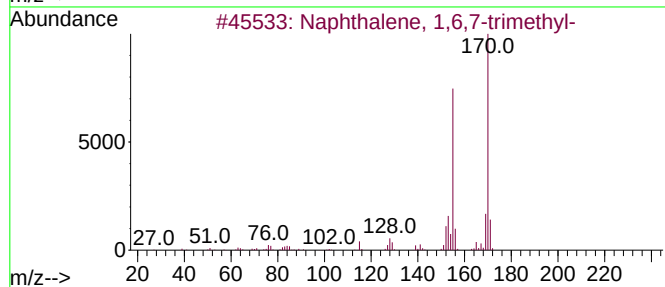
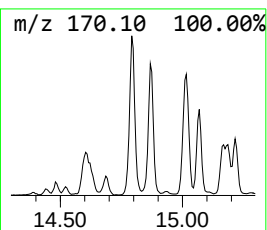
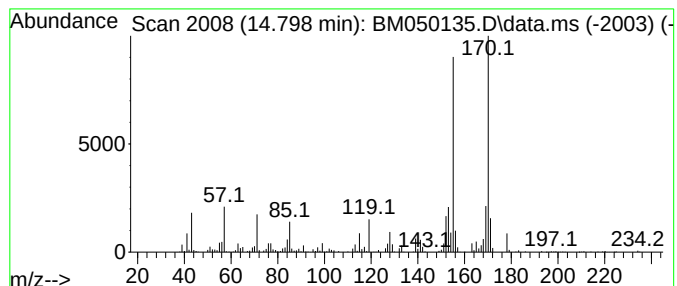
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 12 Naphthalene, 1,6,7-trimethyl- Concentration Rank 15

| R.T.      | EstConc                             | Area   | Relative to ISTD |         | R.T.         |      |
|-----------|-------------------------------------|--------|------------------|---------|--------------|------|
| 14.798    | 4.49 ng                             | 632030 | Acenaphthene-d10 |         | 14.392       |      |
| Hit# of 5 | Tentative ID                        |        | MW               | MolForm | CAS#         | Qual |
| 1         | Naphthalene, 1,6,7-trimethyl-       |        | 170              | C13H14  | 002245-38-7  | 96   |
| 2         | Naphthalene, 1,4,6-trimethyl-       |        | 170              | C13H14  | 002131-42-2  | 95   |
| 3         | Naphthalene, 2,3,6-trimethyl-       |        | 170              | C13H14  | 000829-26-5  | 94   |
| 4         | Naphthalene, 1,4,5-trimethyl-       |        | 170              | C13H14  | 002131-41-1  | 91   |
| 5         | 1-(2,2-Dimethylcyclopropyl)-2-ph... |        | 170              | C13H14  | 1000294-91-1 | 90   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM050725\  
Data File : BM050135.D  
Acq On : 07 May 2025 15:05  
Operator : RC/JU  
Sample : Q1945-02  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
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Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM042825.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

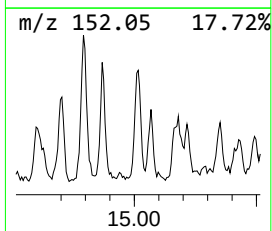
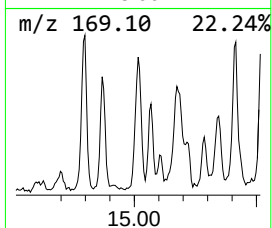
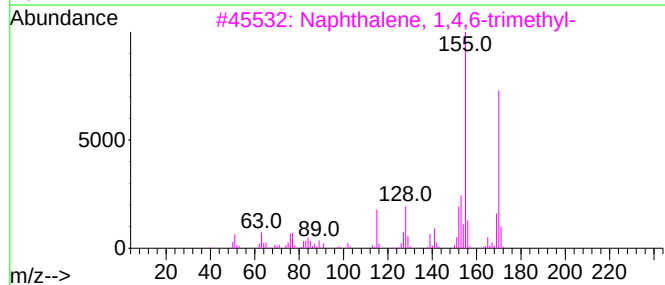
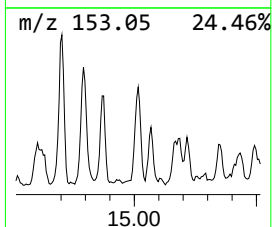
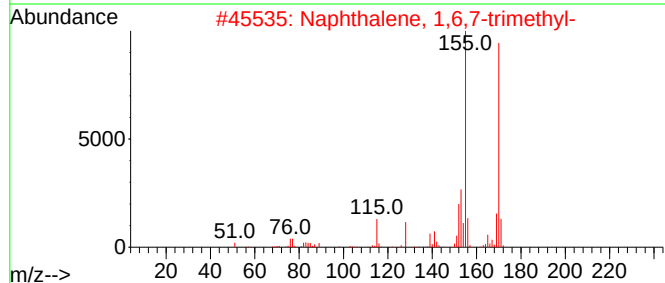
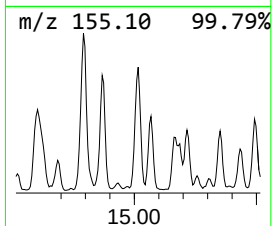
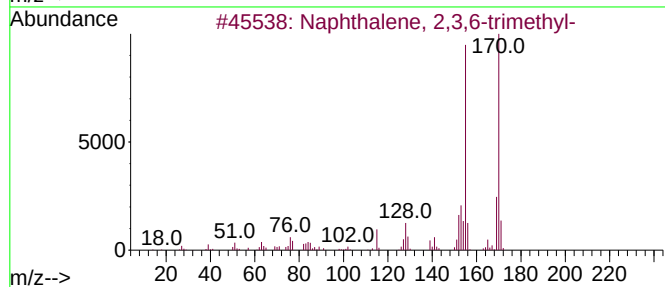
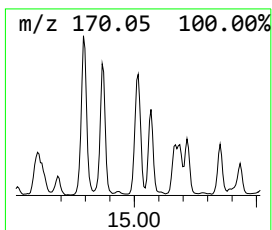
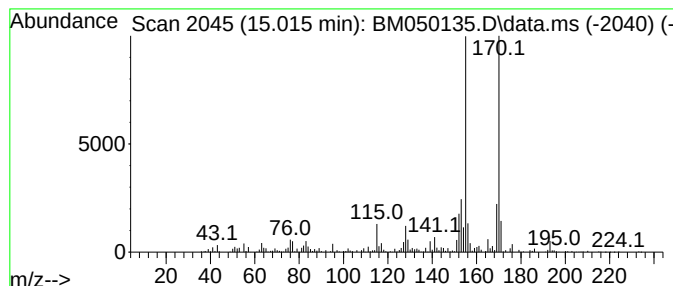
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TIC Integration Parameters: LSCINT.P

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Peak Number 13 Naphthalene, 2,3,6-trimethyl- Concentration Rank 16

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 15.015 | 4.42 ng | 623234 | Acenaphthene-d10 | 14.392 |

| Hit# | of 5 | Tentative ID                  | MW  | MolForm | CAS#        | Qual |
|------|------|-------------------------------|-----|---------|-------------|------|
| 1    |      | Naphthalene, 2,3,6-trimethyl- | 170 | C13H14  | 000829-26-5 | 98   |
| 2    |      | Naphthalene, 1,6,7-trimethyl- | 170 | C13H14  | 002245-38-7 | 97   |
| 3    |      | Naphthalene, 1,4,6-trimethyl- | 170 | C13H14  | 002131-42-2 | 96   |
| 4    |      | 4,6,8-Trimethylazulene        | 170 | C13H14  | 000941-81-1 | 93   |
| 5    |      | Naphthalene, 1,4,5-trimethyl- | 170 | C13H14  | 002131-41-1 | 93   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM050725\  
Data File : BM050135.D  
Acq On : 07 May 2025 15:05  
Operator : RC/JU  
Sample : Q1945-02  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
GB3W

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM042825.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

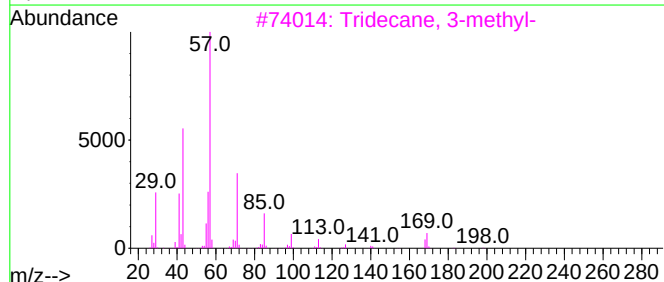
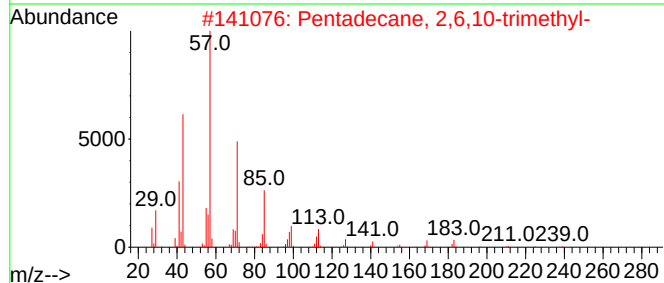
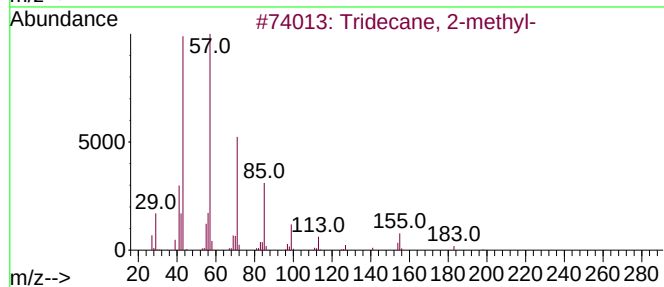
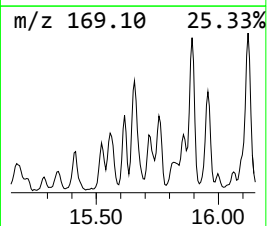
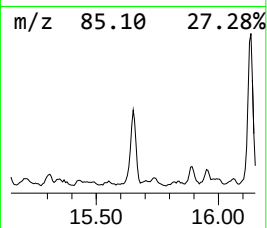
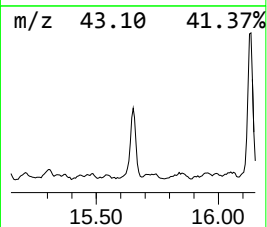
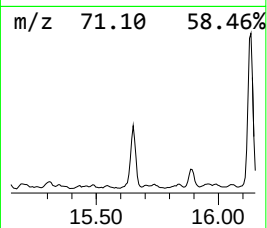
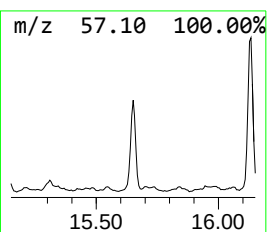
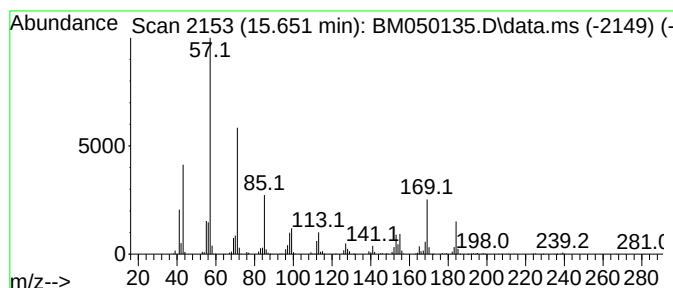
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TIC Integration Parameters: LSCINT.P

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Peak Number 14 Tridecane, 2-methyl- Concentration Rank 6

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 15.651 | 6.22 ng | 876819 | Acenaphthene-d10 | 14.392 |

| Hit# | of | 5 | Tentative ID                   | MW  | MolForm | CAS#        | Qual |
|------|----|---|--------------------------------|-----|---------|-------------|------|
| 1    |    |   | Tridecane, 2-methyl-           | 198 | C14H30  | 001560-96-9 | 70   |
| 2    |    |   | Pentadecane, 2,6,10-trimethyl- | 254 | C18H38  | 003892-00-0 | 64   |
| 3    |    |   | Tridecane, 3-methyl-           | 198 | C14H30  | 006418-41-3 | 60   |
| 4    |    |   | Heptacosane                    | 380 | C27H56  | 000593-49-7 | 58   |
| 5    |    |   | Octane, 3,5-dimethyl-          | 142 | C10H22  | 015869-93-9 | 58   |





Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM050725\  
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Instrument :  
BNA\_M  
ClientSampleId :  
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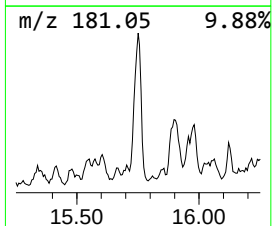
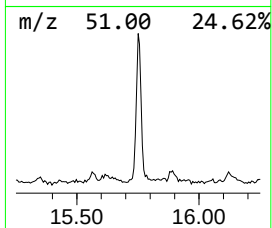
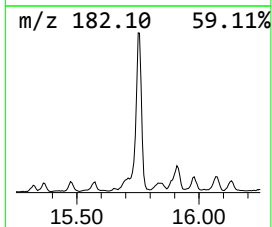
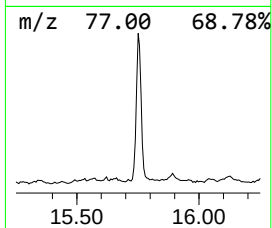
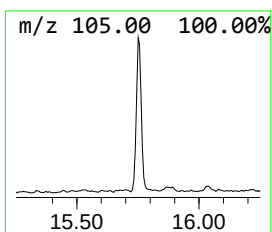
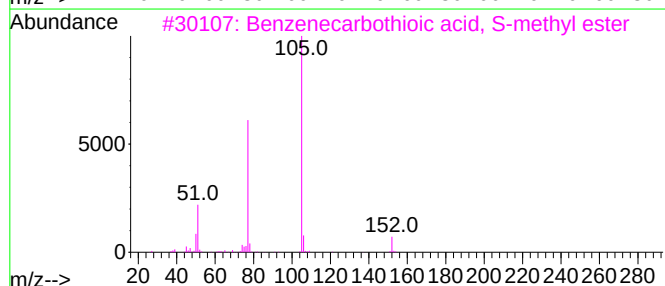
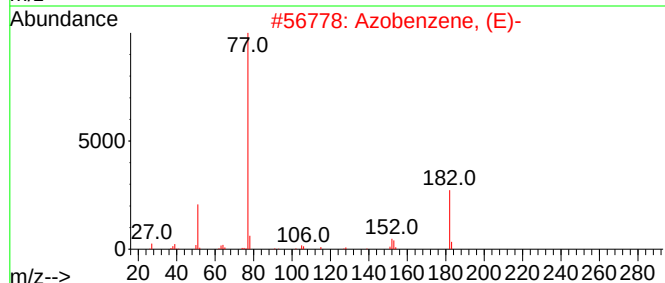
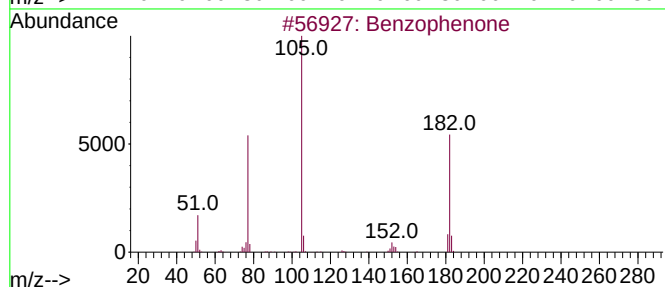
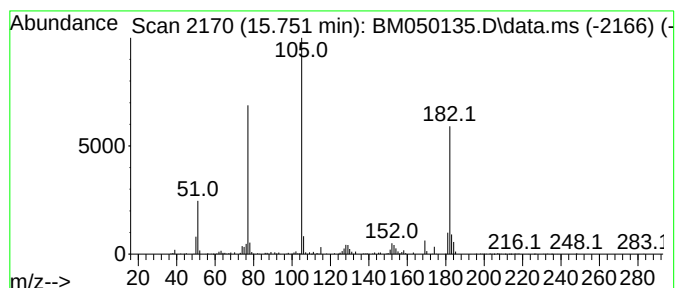
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 15 Benzophenone Concentration Rank 7

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 15.751 | 5.70 ng | 803686 | Acenaphthene-d10 | 14.392 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm     | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|-------------|--------------|------|
| 1    |    |   | Benzophenone                        | 182 | C13H10O     | 000119-61-9  | 96   |
| 2    |    |   | Azobenzene, (E)-                    | 182 | C12H10N2    | 017082-12-1  | 58   |
| 3    |    |   | Benzenecarbothioic acid, S-methy... | 152 | C8H8OS      | 005925-68-8  | 43   |
| 4    |    |   | N-Benzoylimidazole                  | 172 | C10H8N2O    | 010364-94-0  | 38   |
| 5    |    |   | Benzoic acid, 2-(benzoylthio)thi... | 341 | C17H11NO3S2 | 1000258-72-7 | 38   |



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Operator : RC/JU  
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Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
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ClientSampleId :  
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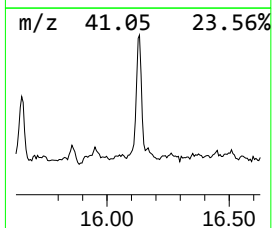
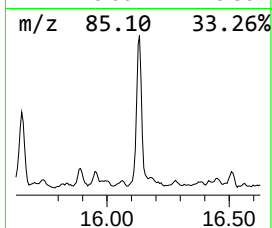
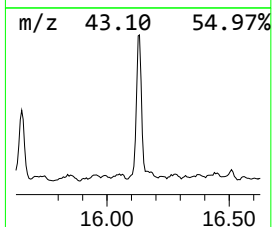
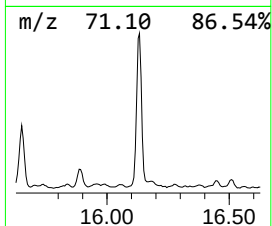
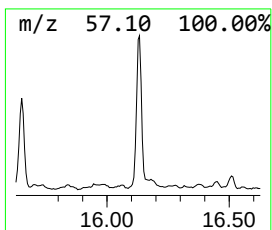
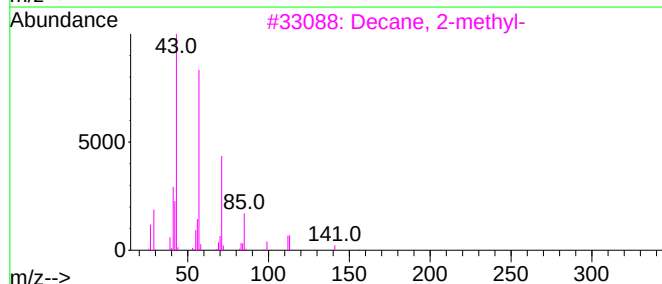
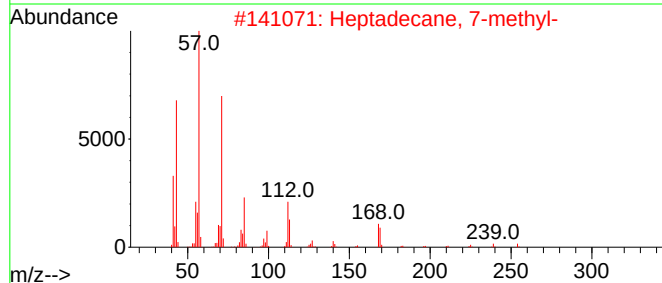
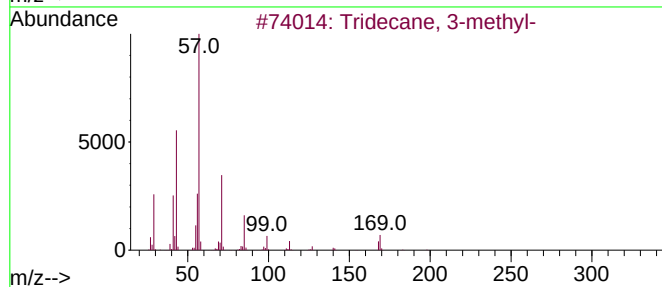
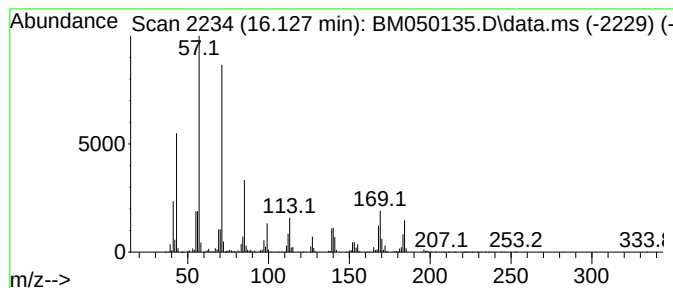
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 16 Tridecane, 3-methyl- Concentration Rank 1

| R.T.   | EstConc  | Area    | Relative to ISTD | R.T.   |
|--------|----------|---------|------------------|--------|
| 16.127 | 14.75 ng | 2228620 | Phenanthrene-d10 | 17.145 |

| Hit# | of | 5 | Tentative ID                  | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------|-----|---------|-------------|------|
| 1    |    |   | Tridecane, 3-methyl-          | 198 | C14H30  | 006418-41-3 | 81   |
| 2    |    |   | Heptadecane, 7-methyl-        | 254 | C18H38  | 020959-33-5 | 64   |
| 3    |    |   | Decane, 2-methyl-             | 156 | C11H24  | 006975-98-0 | 64   |
| 4    |    |   | Tridecane, 4-methyl-          | 198 | C14H30  | 026730-12-1 | 60   |
| 5    |    |   | Hexadecane, 2,6,10-trimethyl- | 268 | C19H40  | 055000-52-7 | 52   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM050725\  
Data File : BM050135.D  
Acq On : 07 May 2025 15:05  
Operator : RC/JU  
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Misc :  
ALS Vial : 9 Sample Multiplier: 1

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BNA\_M  
ClientSampleId :  
GB3W

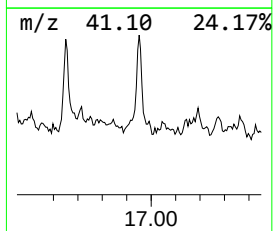
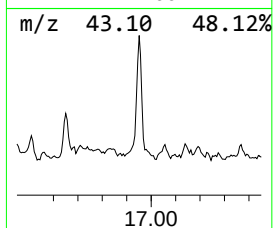
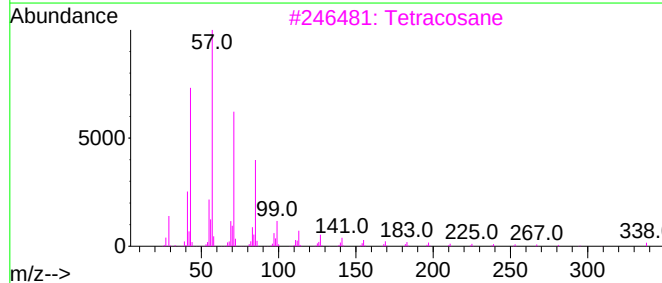
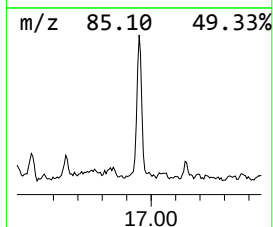
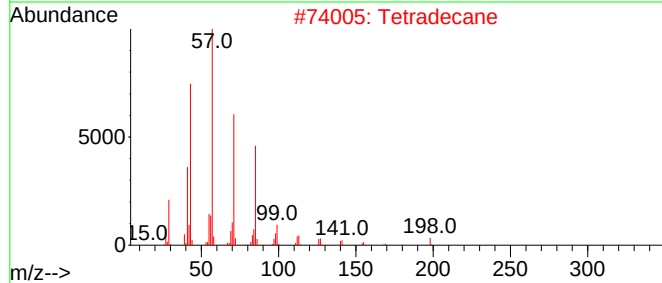
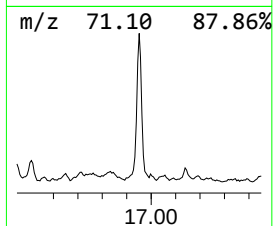
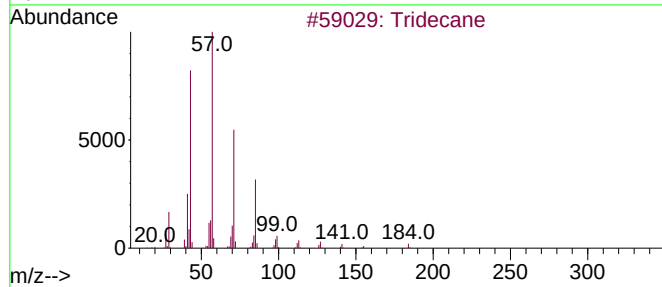
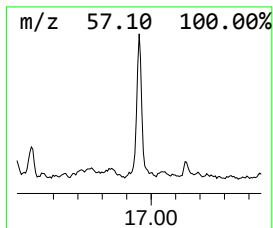
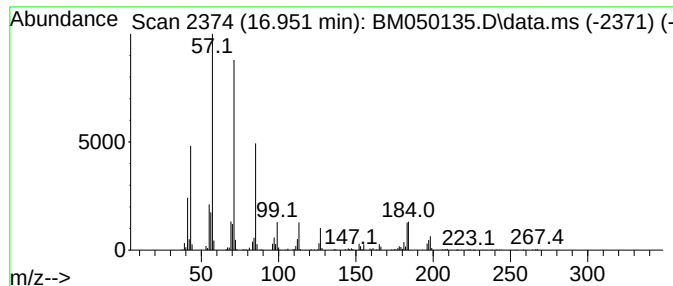
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 17 Tridecane Concentration Rank 13

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 16.951 | 4.52 ng | 683418 | Phenanthrene-d10 | 17.145 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Tridecane                           | 184 | C13H28  | 000629-50-5 | 86   |
| 2    |    |   | Tetradecane                         | 198 | C14H30  | 000629-59-4 | 81   |
| 3    |    |   | Tetracosane                         | 338 | C24H50  | 000646-31-1 | 80   |
| 4    |    |   | Heptadecane, 2,6,10,15-tetramethyl- | 296 | C21H44  | 054833-48-6 | 72   |
| 5    |    |   | Hexadecane, 2,6,10,14-tetramethyl-  | 282 | C20H42  | 000638-36-8 | 72   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM050725\  
Data File : BM050135.D  
Acq On : 07 May 2025 15:05  
Operator : RC/JU  
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Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
GB3W

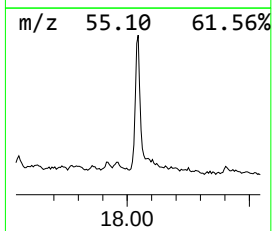
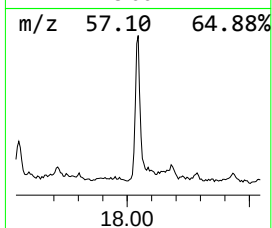
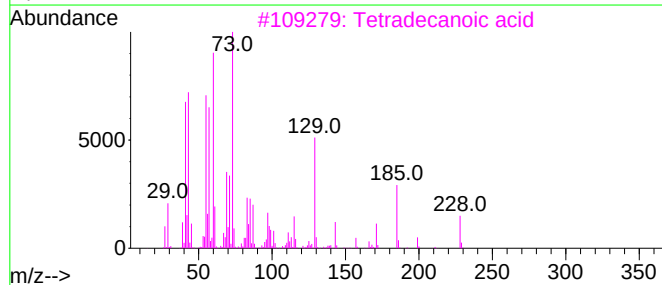
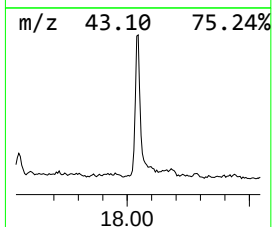
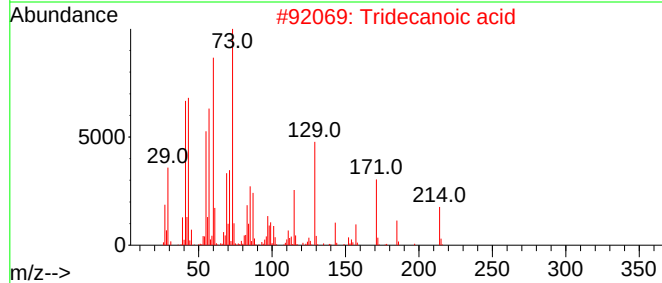
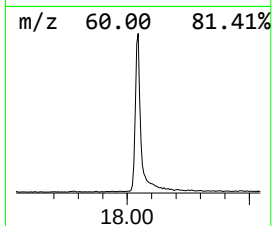
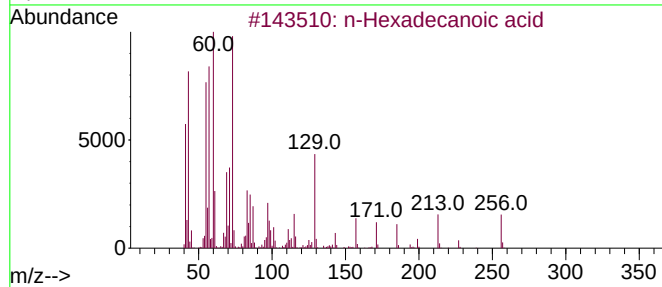
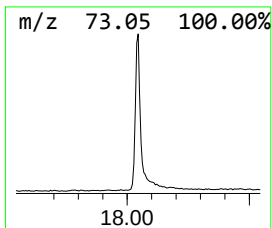
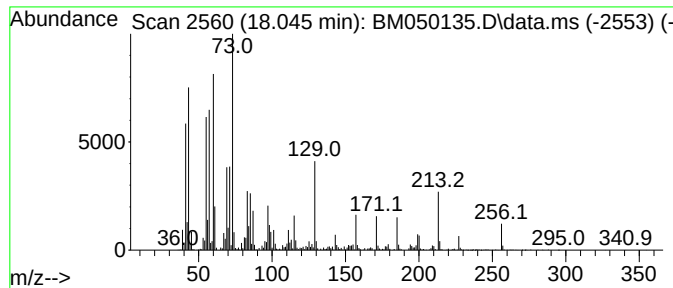
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM042825.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 18 n-Hexadecanoic acid Concentration Rank 2

| R.T.   | EstConc  | Area    | Relative to ISTD | R.T.   |
|--------|----------|---------|------------------|--------|
| 18.045 | 13.03 ng | 1969100 | Phenanthrene-d10 | 17.145 |

| Hit# | of | 5 | Tentative ID        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|---------------------|-----|----------|-------------|------|
| 1    |    |   | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 99   |
| 2    |    |   | Tridecanoic acid    | 214 | C13H26O2 | 000638-53-9 | 93   |
| 3    |    |   | Tetradecanoic acid  | 228 | C14H28O2 | 000544-63-8 | 91   |
| 4    |    |   | Pentadecanoic acid  | 242 | C15H30O2 | 001002-84-2 | 87   |
| 5    |    |   | Dodecanoic acid     | 200 | C12H24O2 | 000143-07-7 | 83   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM050725\  
Data File : BM050135.D  
Acq On : 07 May 2025 15:05  
Operator : RC/JU  
Sample : Q1945-02  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
GB3W

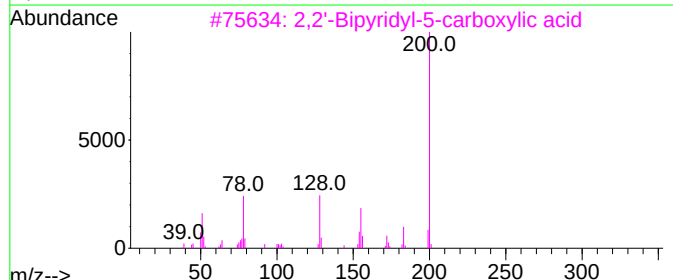
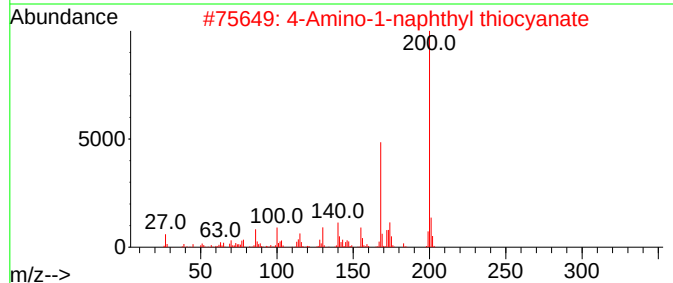
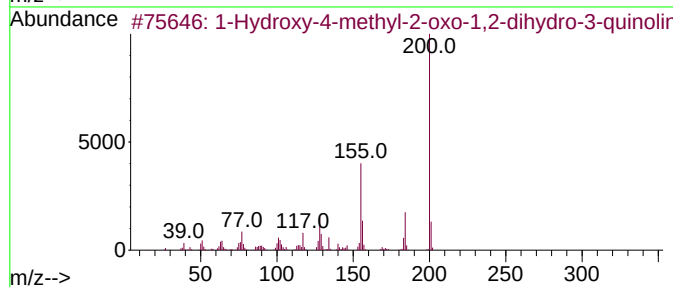
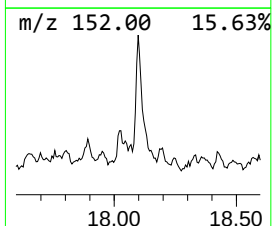
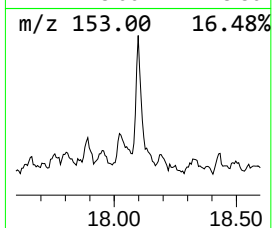
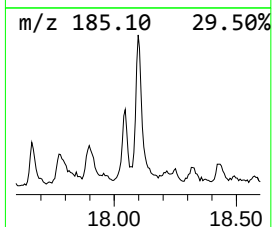
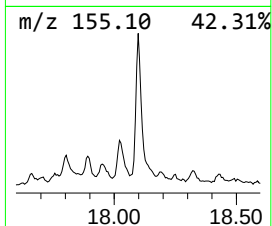
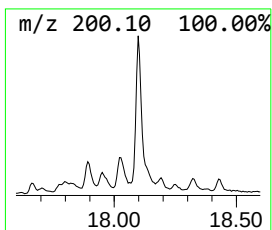
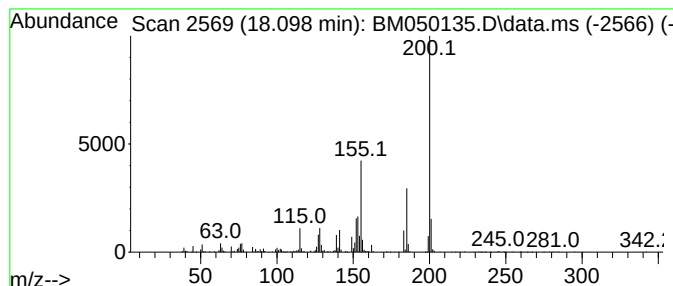
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM042825.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 19 1-Hydroxy-4-methyl-2-oxo-1,... Concentration Rank 11

| R.T.      | EstConc                             | Area   | Relative to ISTD |           |              | R.T.   |
|-----------|-------------------------------------|--------|------------------|-----------|--------------|--------|
| 18.098    | 5.14 ng                             | 777127 | Phenanthrene-d10 |           |              | 17.145 |
| Hit# of 5 | Tentative ID                        |        | MW               | MolForm   | CAS#         | Qual   |
| 1         | 1-Hydroxy-4-methyl-2-oxo-1,2-dih... |        | 200              | C11H8N2O2 | 021771-74-4  | 58     |
| 2         | 4-Amino-1-naphthyl thiocyanate      |        | 200              | C11H8N2S  | 032359-11-8  | 43     |
| 3         | 2,2'-Bipyridyl-5-carboxylic acid    |        | 200              | C11H8N2O2 | 001970-80-5  | 43     |
| 4         | Benzene, 1-methoxy-4-phenoxy-       |        | 200              | C13H12O2  | 001655-69-2  | 43     |
| 5         | Bisphenol F, 2-methylpropionate     |        | 270              | C17H18O3  | 1000462-19-4 | 40     |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM050725\  
Data File : BM050135.D  
Acq On : 07 May 2025 15:05  
Operator : RC/JU  
Sample : Q1945-02  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
GB3W

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM042825.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

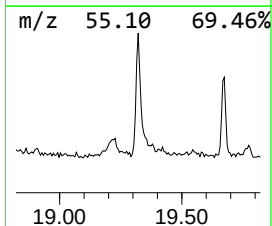
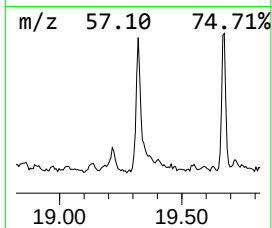
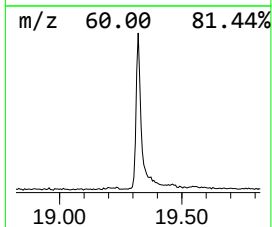
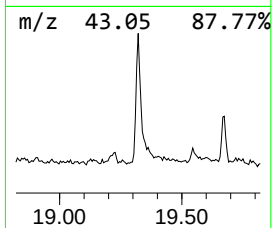
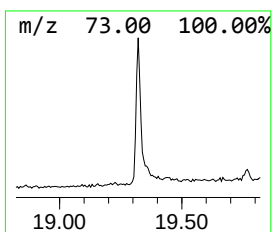
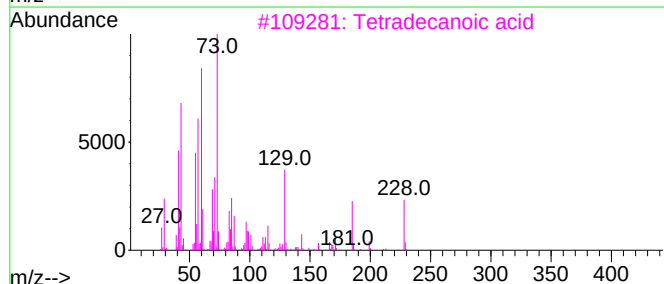
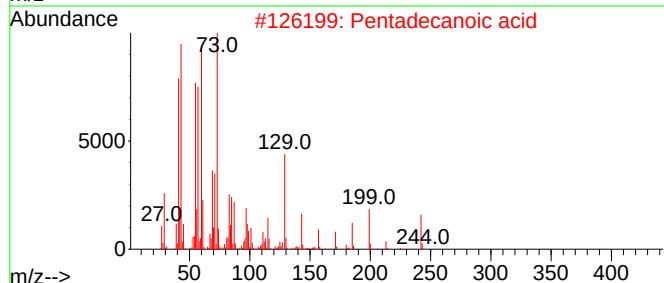
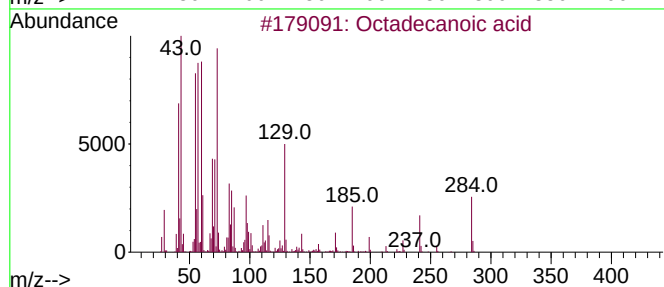
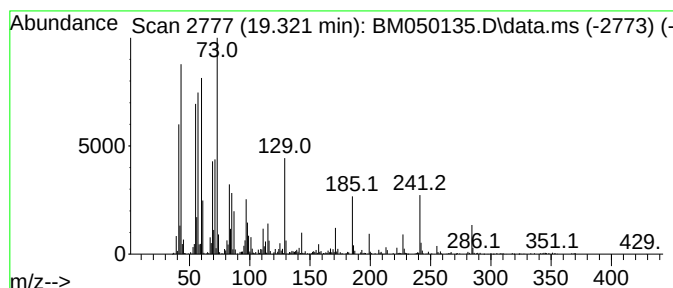
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Peak Number 20 Octadecanoic acid Concentration Rank 14

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 19.321 | 4.50 ng | 730337 | Chrysene-d12     | 21.386 |

| Hit# | of 5 | Tentative ID        | MW  | MolForm  | CAS#        | Qual |
|------|------|---------------------|-----|----------|-------------|------|
| 1    |      | Octadecanoic acid   | 284 | C18H36O2 | 000057-11-4 | 99   |
| 2    |      | Pentadecanoic acid  | 242 | C15H30O2 | 001002-84-2 | 87   |
| 3    |      | Tetradecanoic acid  | 228 | C14H28O2 | 000544-63-8 | 83   |
| 4    |      | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 81   |
| 5    |      | Undecanoic acid     | 186 | C11H22O2 | 000112-37-8 | 74   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM050725\  
Data File : BM050135.D  
Acq On : 07 May 2025 15:05  
Operator : RC/JU  
Sample : Q1945-02  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
GB3W

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM042825.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST0.L  
TIC Integration Parameters: LSCINT.P

| TIC Top Hit name   | RT     | EstConc | Units | Response | --Internal Standard-- |        |         |      |
|--------------------|--------|---------|-------|----------|-----------------------|--------|---------|------|
|                    |        |         |       |          | #                     | RT     | Resp    | Conc |
| 2-Pentanone, 4-... | 4.863  | 7.6     | ng    | 512582   | 1                     | 7.745  | 1349750 | 20.0 |
| Benzene, 1-ethy... | 8.845  | 5.0     | ng    | 335518   | 1                     | 7.745  | 1349750 | 20.0 |
| Benzene, 1-meth... | 9.939  | 7.3     | ng    | 771473   | 2                     | 10.539 | 2118260 | 20.0 |
| Benzene, (2-met... | 10.651 | 3.9     | ng    | 415252   | 2                     | 10.539 | 2118260 | 20.0 |
| 1H-Indene, 2,3-... | 11.645 | 3.6     | ng    | 385537   | 2                     | 10.539 | 2118260 | 20.0 |
| Benzene, pentam... | 11.863 | 4.0     | ng    | 429065   | 2                     | 10.539 | 2118260 | 20.0 |
| 1H-Inden-1-one,... | 11.933 | 5.4     | ng    | 569652   | 2                     | 10.539 | 2118260 | 20.0 |
| unknown12.398      | 12.398 | 6.7     | ng    | 711479   | 2                     | 10.539 | 2118260 | 20.0 |
| unknown12.933      | 12.933 | 5.4     | ng    | 762769   | 3                     | 14.392 | 2817830 | 20.0 |
| Naphthalene, 2,... | 13.569 | 5.6     | ng    | 784728   | 3                     | 14.392 | 2817830 | 20.0 |
| Carbonic acid, ... | 13.874 | 4.3     | ng    | 602290   | 3                     | 14.392 | 2817830 | 20.0 |
| Naphthalene, 1,... | 14.798 | 4.5     | ng    | 632030   | 3                     | 14.392 | 2817830 | 20.0 |
| Naphthalene, 2,... | 15.015 | 4.4     | ng    | 623234   | 3                     | 14.392 | 2817830 | 20.0 |
| Tridecane, 2-me... | 15.651 | 6.2     | ng    | 876819   | 3                     | 14.392 | 2817830 | 20.0 |
| Benzophenone       | 15.751 | 5.7     | ng    | 803686   | 3                     | 14.392 | 2817830 | 20.0 |
| Tridecane, 3-me... | 16.127 | 14.8    | ng    | 2228620  | 4                     | 17.145 | 3022780 | 20.0 |
| Tridecane          | 16.951 | 4.5     | ng    | 683418   | 4                     | 17.145 | 3022780 | 20.0 |
| n-Hexadecanoic ... | 18.045 | 13.0    | ng    | 1969100  | 4                     | 17.145 | 3022780 | 20.0 |
| 1-Hydroxy-4-met... | 18.098 | 5.1     | ng    | 777127   | 4                     | 17.145 | 3022780 | 20.0 |
| Octadecanoic acid  | 19.321 | 4.5     | ng    | 730337   | 5                     | 21.386 | 3249050 | 20.0 |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM050725\  
Data File : BM050138.D  
Acq On : 07 May 2025 17:03  
Operator : RC/JU  
Sample : Q1945-02DL 5X  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
GB3WDL

Quant Time: May 07 18:00:48 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM042825.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Apr 28 18:09:16 2025  
Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc   | Units | Dev(Min)  |
|-----------------------------|--------|------|----------|--------|-------|-----------|
| -----                       |        |      |          |        |       |           |
| Internal Standards          |        |      |          |        |       |           |
| 1) 1,4-Dichlorobenzene-d4   | 7.745  | 152  | 252681   | 20.000 | ng    | -0.02     |
| 21) Naphthalene-d8          | 10.539 | 136  | 948637   | 20.000 | ng    | -0.02     |
| 39) Acenaphthene-d10        | 14.392 | 164  | 680621   | 20.000 | ng    | -0.02     |
| 64) Phenanthrene-d10        | 17.145 | 188  | 1371677  | 20.000 | ng    | -0.01     |
| 76) Chrysene-d12            | 21.386 | 240  | 1252991  | 20.000 | ng    | -0.01     |
| 86) Perylene-d12            | 24.385 | 264  | 1255099  | 20.000 | ng    | -0.02     |
| System Monitoring Compounds |        |      |          |        |       |           |
| 5) 2-Fluorophenol           | 5.340  | 112  | 231975   | 16.076 | ng    | -0.02     |
| 7) Phenol-d6                | 6.951  | 99   | 184138   | 10.153 | ng    | 0.00      |
| 23) Nitrobenzene-d5         | 8.910  | 82   | 305105   | 15.849 | ng    | -0.02     |
| 42) 2,4,6-Tribromophenol    | 15.898 | 330  | 269859   | 26.815 | ng    | 0.00      |
| 45) 2-Fluorobiphenyl        | 13.010 | 172  | 867165   | 15.072 | ng    | -0.02     |
| 79) Terphenyl-d14           | 19.768 | 244  | 1273016  | 15.034 | ng    | -0.01     |
| Target Compounds            |        |      |          |        |       |           |
| 35) Caprolactam             | 11.486 | 113  | 130629   | 28.357 | ng    | Qvalue 93 |
| -----                       |        |      |          |        |       |           |

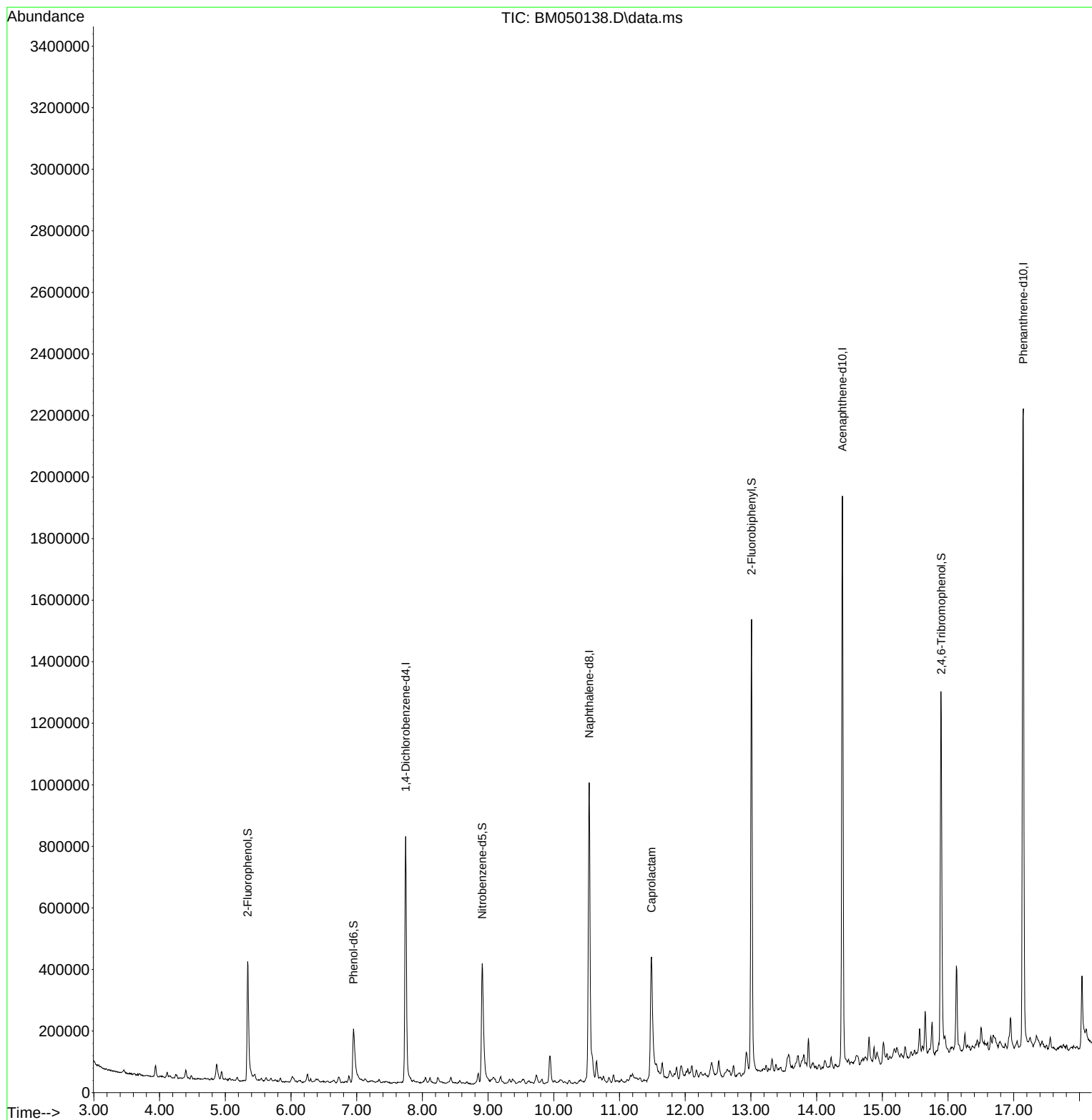
(#) = qualifier out of range (m) = manual integration (+) = signals summed



Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM050725\  
Data File : BM050138.D  
Acq On : 07 May 2025 17:03  
Operator : RC/JU  
Sample : Q1945-02DL 5X  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
GB3WDL

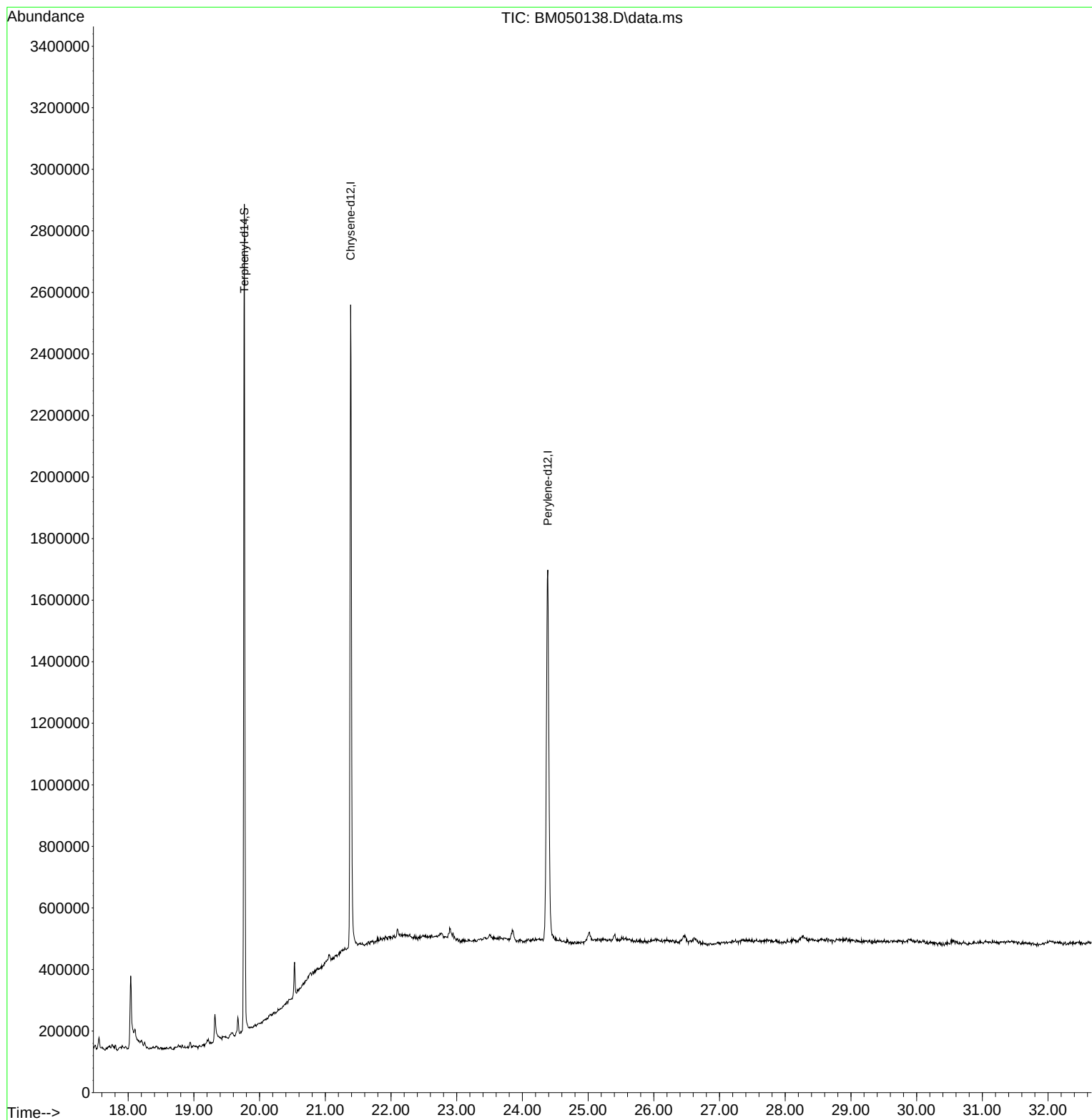
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Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM042825.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Apr 28 18:09:16 2025  
Response via : Initial Calibration

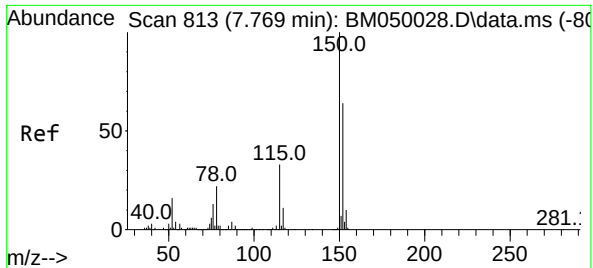


Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM050725\  
Data File : BM050138.D  
Acq On : 07 May 2025 17:03  
Operator : RC/JU  
Sample : Q1945-02DL 5X  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
GB3WDL

Quant Time: May 07 18:00:48 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM042825.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Apr 28 18:09:16 2025  
Response via : Initial Calibration

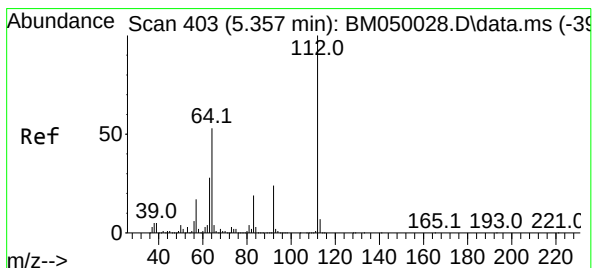
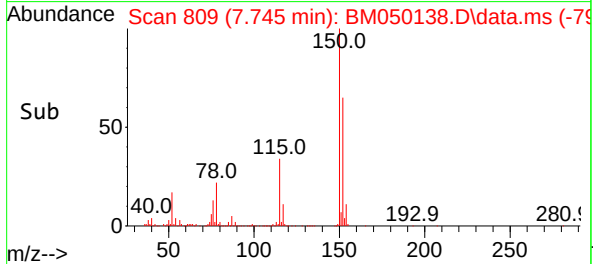
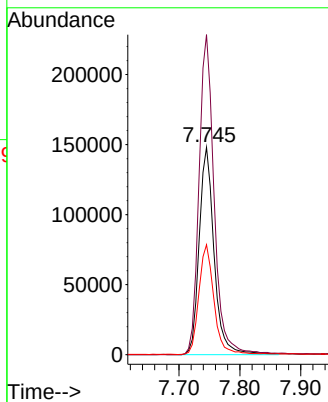
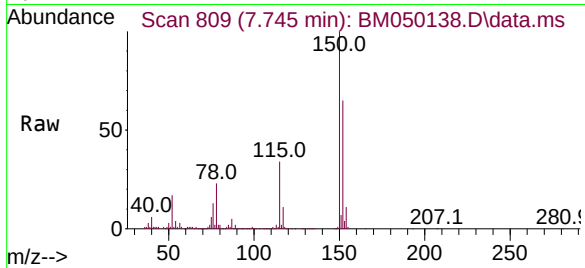




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.745 min Scan# 80  
Delta R.T. -0.024 min  
Lab File: BM050138.D  
Acq: 07 May 2025 17:03

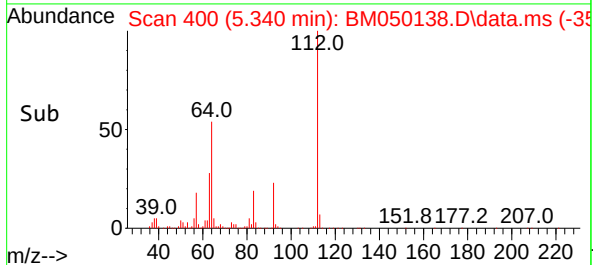
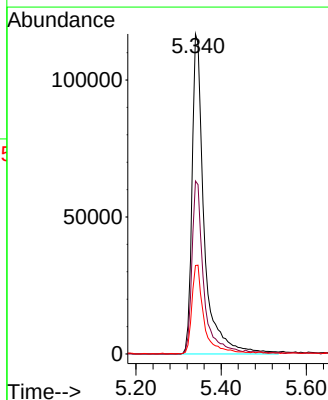
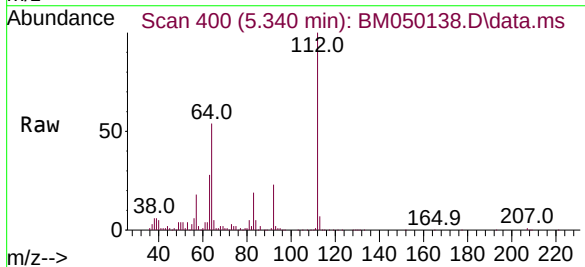
Instrument :  
BNA\_M  
ClientSampleId :  
GB3WDL

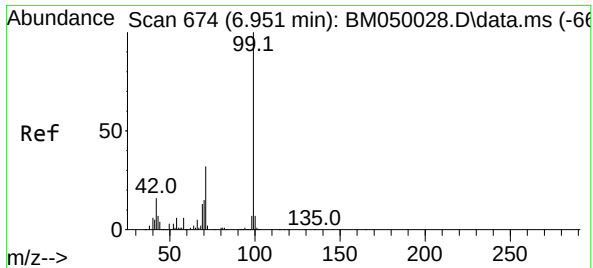
Tgt Ion:152 Resp: 252681  
Ion Ratio Lower Upper  
152 100  
150 154.3 124.1 186.1  
115 53.0 41.2 61.8



#5  
2-Fluorophenol  
Concen: 16.076 ng  
RT: 5.340 min Scan# 400  
Delta R.T. -0.018 min  
Lab File: BM050138.D  
Acq: 07 May 2025 17:03

Tgt Ion:112 Resp: 231975  
Ion Ratio Lower Upper  
112 100  
64 54.0 42.6 64.0  
63 27.7 22.2 33.4

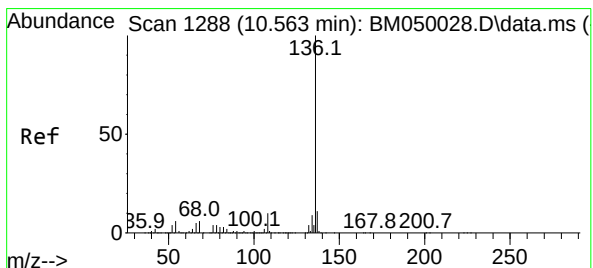
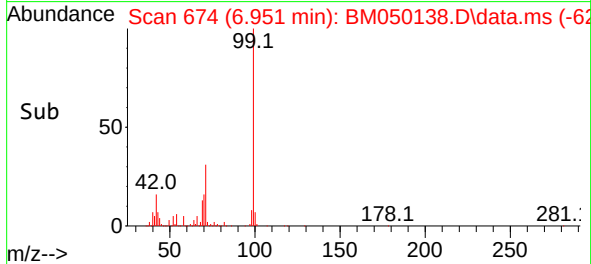
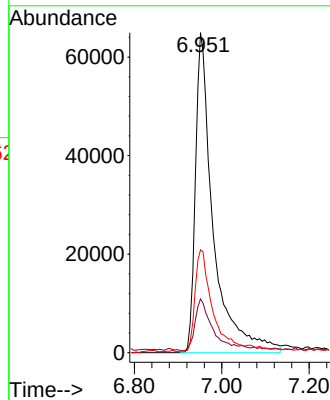
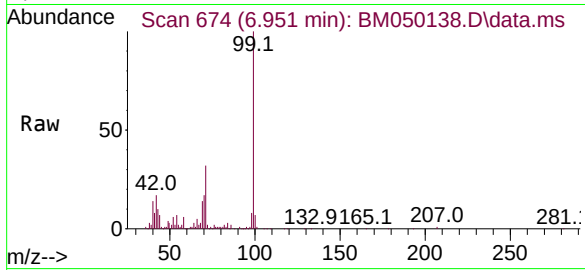




#7  
Phenol-d6  
Concen: 10.153 ng  
RT: 6.951 min Scan# 61  
Delta R.T. -0.000 min  
Lab File: BM050138.D  
Acq: 07 May 2025 17:03

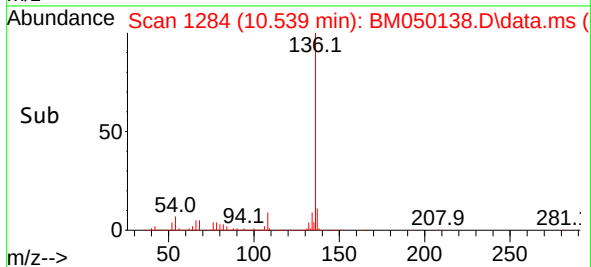
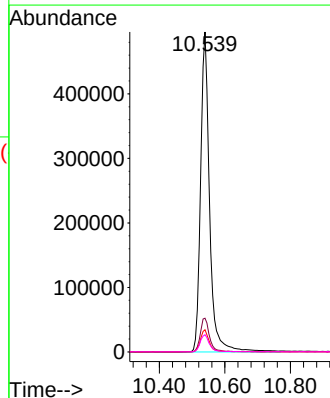
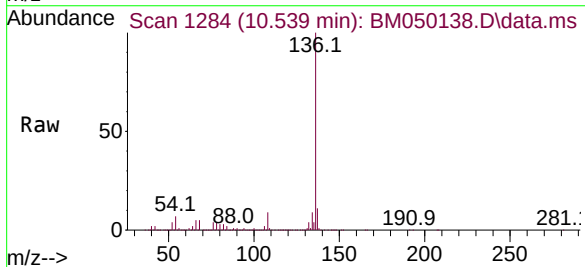
Instrument :  
BNA\_M  
ClientSampleId :  
GB3WDL

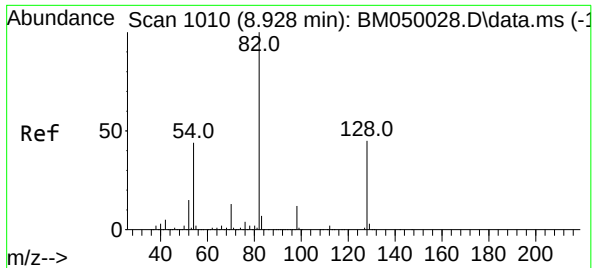
Tgt Ion: 99 Resp: 184138  
Ion Ratio Lower Upper  
99 100  
42 16.8 13.0 19.4  
71 32.2 25.6 38.4



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.539 min Scan# 1284  
Delta R.T. -0.024 min  
Lab File: BM050138.D  
Acq: 07 May 2025 17:03

Tgt Ion: 136 Resp: 948637  
Ion Ratio Lower Upper  
136 100  
137 10.5 8.9 13.3  
54 7.0 5.1 7.7  
68 5.4 4.4 6.6

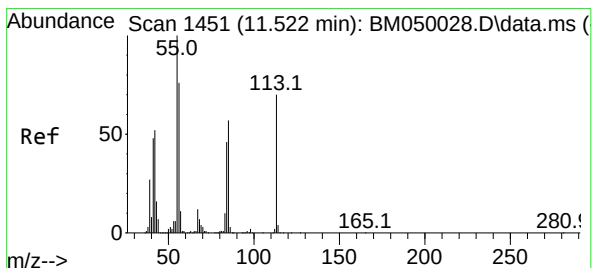
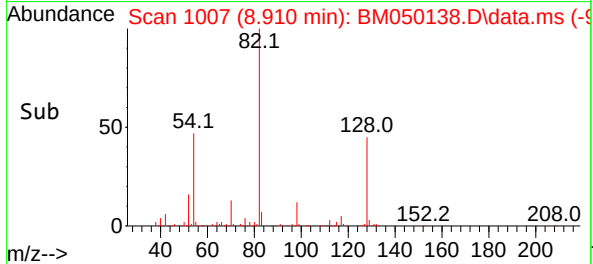
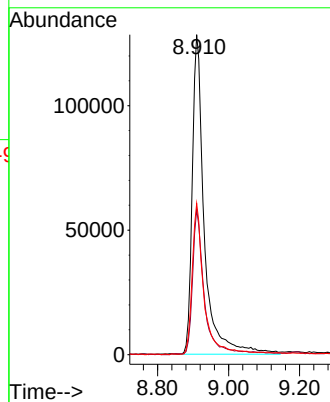
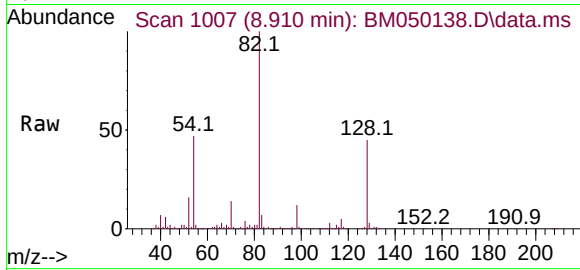




#23  
Nitrobenzene-d5  
Concen: 15.849 ng  
RT: 8.910 min Scan# 1010  
Delta R.T. -0.018 min  
Lab File: BM050138.D  
Acq: 07 May 2025 17:03

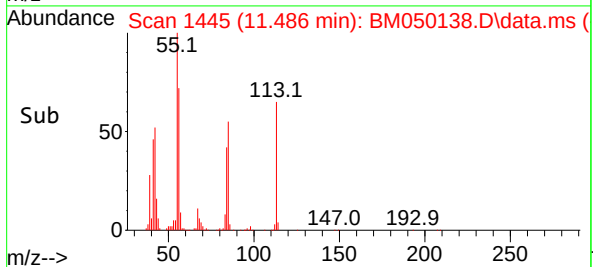
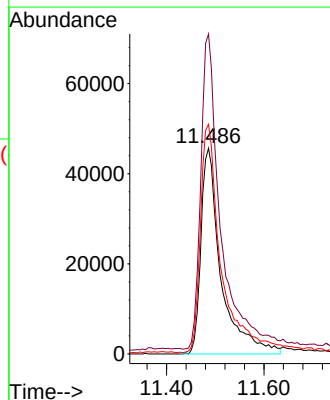
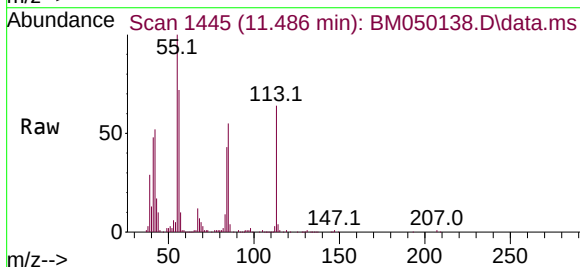
Instrument :  
BNA\_M  
ClientSampleId :  
GB3WDL

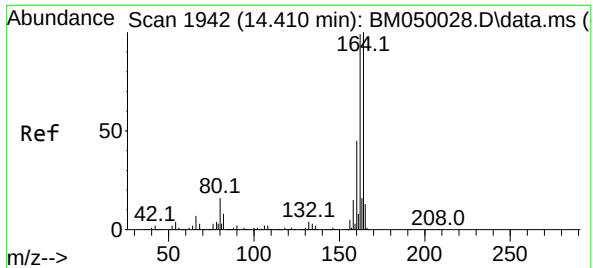
Tgt Ion: 82 Resp: 305105  
Ion Ratio Lower Upper  
82 100  
128 45.3 35.7 53.5  
54 47.3 35.4 53.2



#35  
Caprolactam  
Concen: 28.357 ng  
RT: 11.486 min Scan# 1445  
Delta R.T. -0.035 min  
Lab File: BM050138.D  
Acq: 07 May 2025 17:03

Tgt Ion: 113 Resp: 130629  
Ion Ratio Lower Upper  
113 100  
55 155.5 122.9 162.9  
56 111.6 88.1 128.1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.392 min Scan# 1939

Delta R.T. -0.018 min

Lab File: BM050138.D

Acq: 07 May 2025 17:03

Instrument :

BNA\_M

ClientSampleId :

GB3WDL

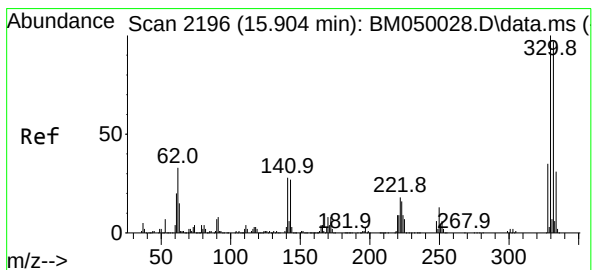
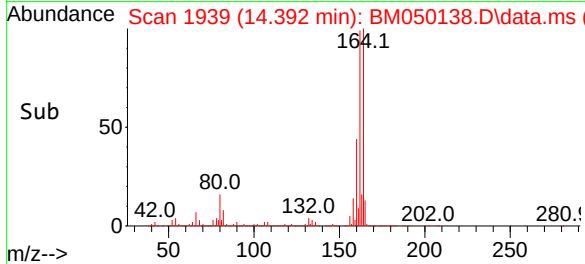
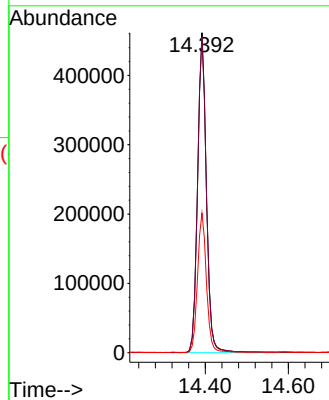
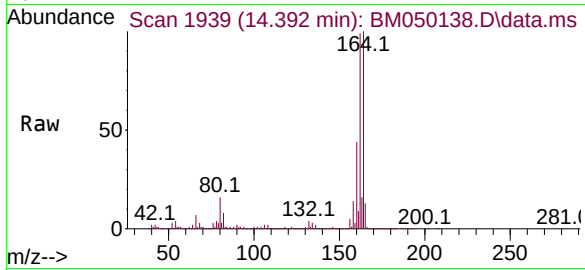
Tgt Ion:164 Resp: 680621

Ion Ratio Lower Upper

164 100

162 98.6 79.4 119.0

160 43.6 36.2 54.4



#42

2,4,6-Tribromophenol

Concen: 26.815 ng

RT: 15.898 min Scan# 2195

Delta R.T. -0.006 min

Lab File: BM050138.D

Acq: 07 May 2025 17:03

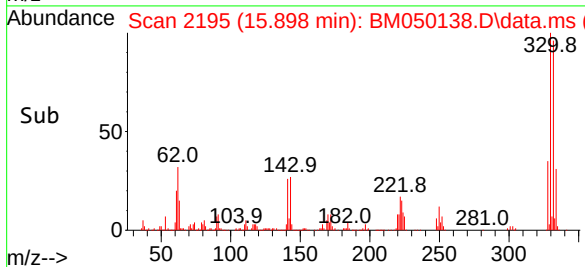
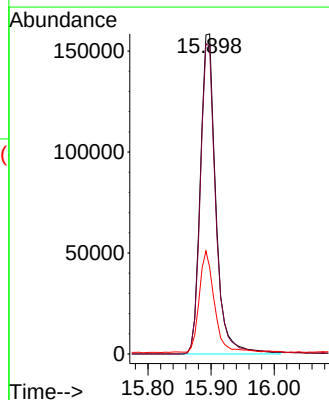
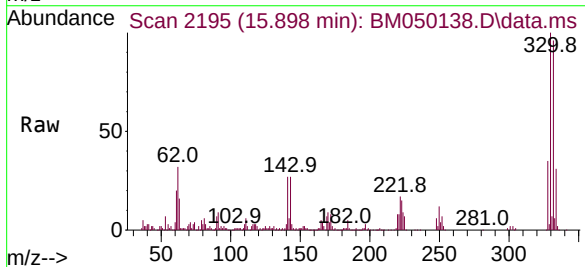
Tgt Ion:330 Resp: 269859

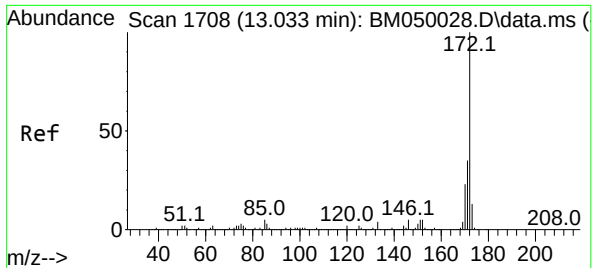
Ion Ratio Lower Upper

330 100

332 97.2 77.3 115.9

141 30.6 22.5 33.7

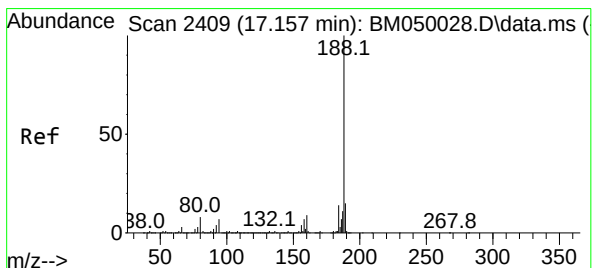
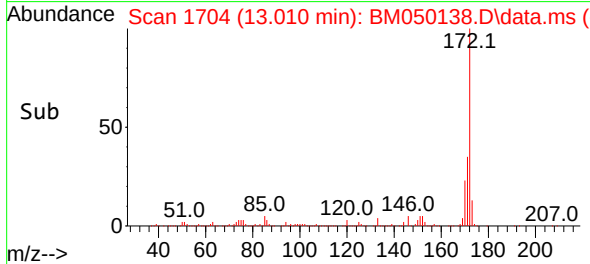
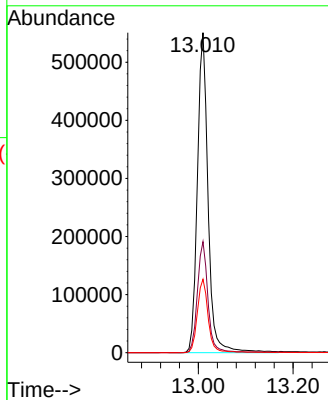
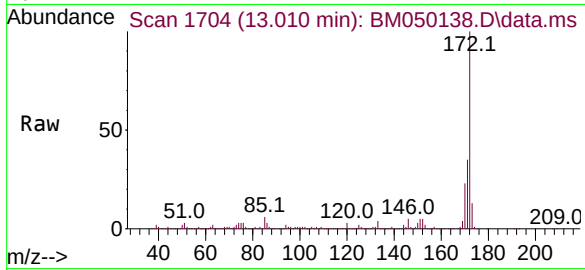




#45  
2-Fluorobiphenyl  
Concen: 15.072 ng  
RT: 13.010 min Scan# 11  
Delta R.T. -0.024 min  
Lab File: BM050138.D  
Acq: 07 May 2025 17:03

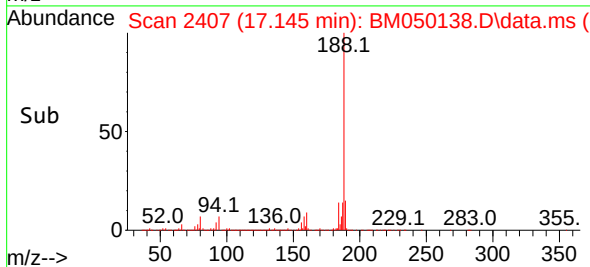
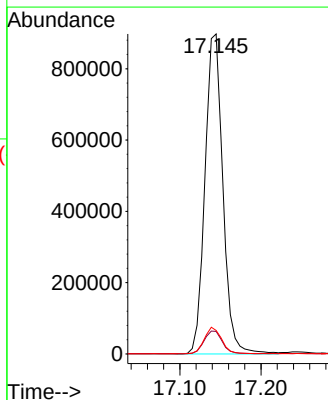
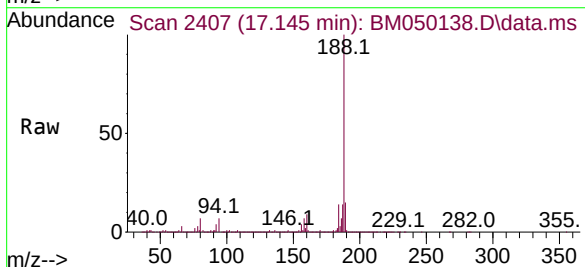
Instrument :  
BNA\_M  
ClientSampleId :  
GB3WDL

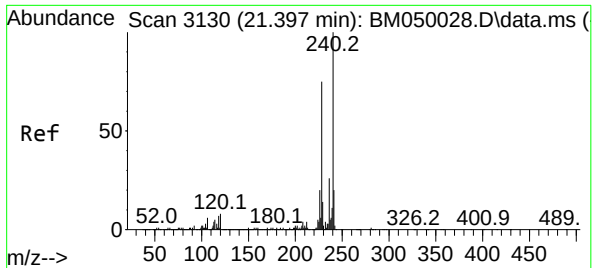
Tgt Ion:172 Resp: 867165  
Ion Ratio Lower Upper  
172 100  
171 34.7 27.8 41.6  
170 22.9 18.6 28.0



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.145 min Scan# 2407  
Delta R.T. -0.012 min  
Lab File: BM050138.D  
Acq: 07 May 2025 17:03

Tgt Ion:188 Resp: 1371677  
Ion Ratio Lower Upper  
188 100  
94 7.1 5.7 8.5  
80 7.4 6.2 9.4

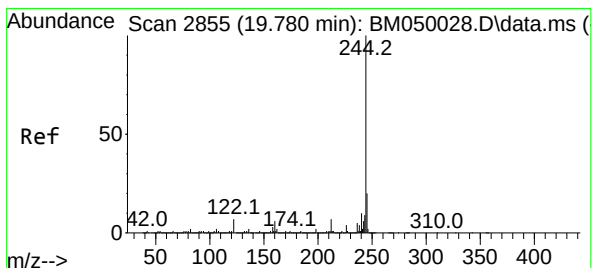
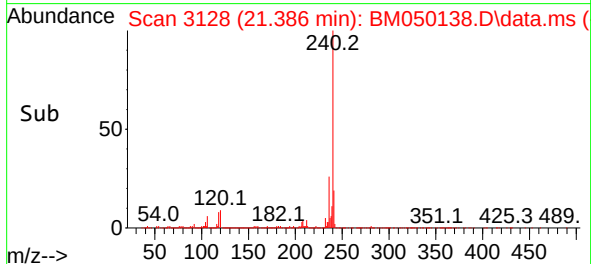
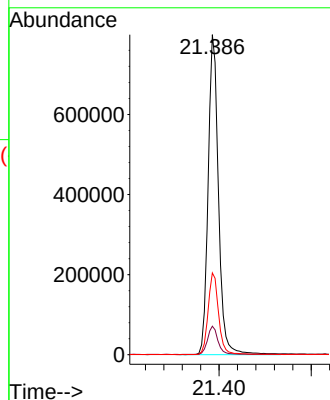
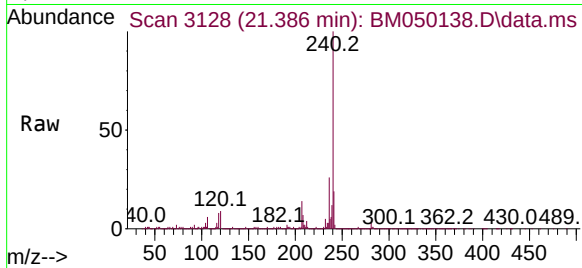




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.386 min Scan# 31  
Delta R.T. -0.011 min  
Lab File: BM050138.D  
Acq: 07 May 2025 17:03

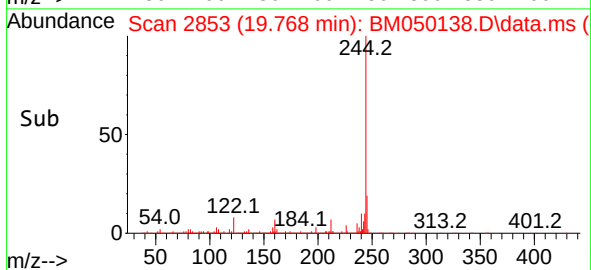
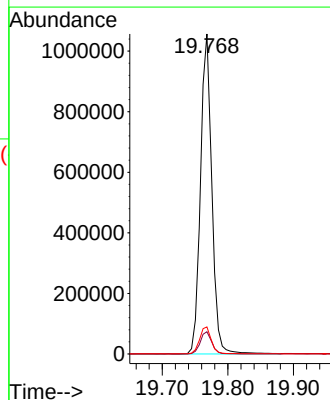
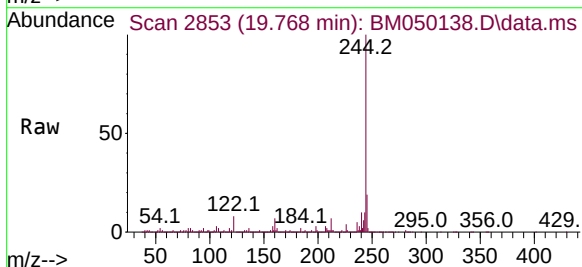
Instrument :  
BNA\_M  
ClientSampleId :  
GB3WDL

Tgt Ion:240 Resp: 1252991  
Ion Ratio Lower Upper  
240 100  
120 8.9 6.5 9.7  
236 25.5 20.9 31.3

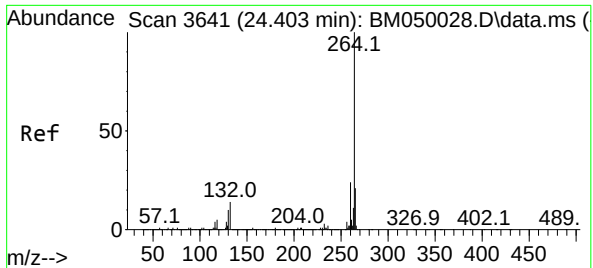


#79  
Terphenyl-d14  
Concen: 15.034 ng  
RT: 19.768 min Scan# 2853  
Delta R.T. -0.012 min  
Lab File: BM050138.D  
Acq: 07 May 2025 17:03

Tgt Ion:244 Resp: 1273016  
Ion Ratio Lower Upper  
244 100  
212 6.9 5.6 8.4  
122 8.4 5.6 8.4#

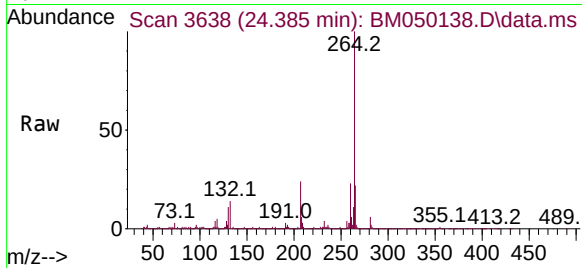




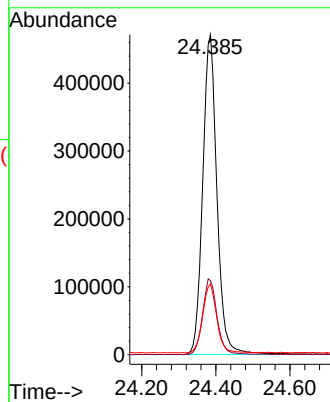
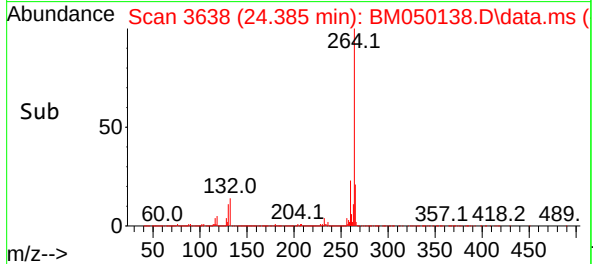


#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 24.385 min Scan# 30  
Delta R.T. -0.018 min  
Lab File: BM050138.D  
Acq: 07 May 2025 17:03

Instrument :  
BNA\_M  
ClientSampleId :  
GB3WDL



Tgt Ion:264 Resp: 1255099  
Ion Ratio Lower Upper  
264 100  
260 23.2 18.8 28.2  
265 22.1 17.0 25.4



Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM050825\  
Data File : BM050141.D  
Acq On : 08 May 2025 11:21  
Operator : RC/JU  
Sample : PB167889BL  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
PB167889BL

Quant Time: May 08 12:15:28 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM042825.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu May 08 12:03:21 2025  
Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-----------------------------|--------|------|----------|---------|-------|----------|
| -----                       |        |      |          |         |       |          |
| Internal Standards          |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.739  | 152  | 284899   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.539 | 136  | 988666   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 14.392 | 164  | 615934   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 17.145 | 188  | 1138365  | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12            | 21.391 | 240  | 926404   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12            | 24.385 | 264  | 1008661  | 20.000  | ng    | 0.00     |
| System Monitoring Compounds |        |      |          |         |       |          |
| 5) 2-Fluorophenol           | 5.340  | 112  | 2187119  | 134.427 | ng    | 0.00     |
| 7) Phenol-d6                | 6.934  | 99   | 2617121  | 127.981 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 8.904  | 82   | 1582925  | 78.895  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 15.892 | 330  | 1174696  | 128.983 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 13.010 | 172  | 4198005  | 80.628  | ng    | 0.00     |
| 79) Terphenyl-d14           | 19.768 | 244  | 5770748  | 92.176  | ng    | 0.00     |

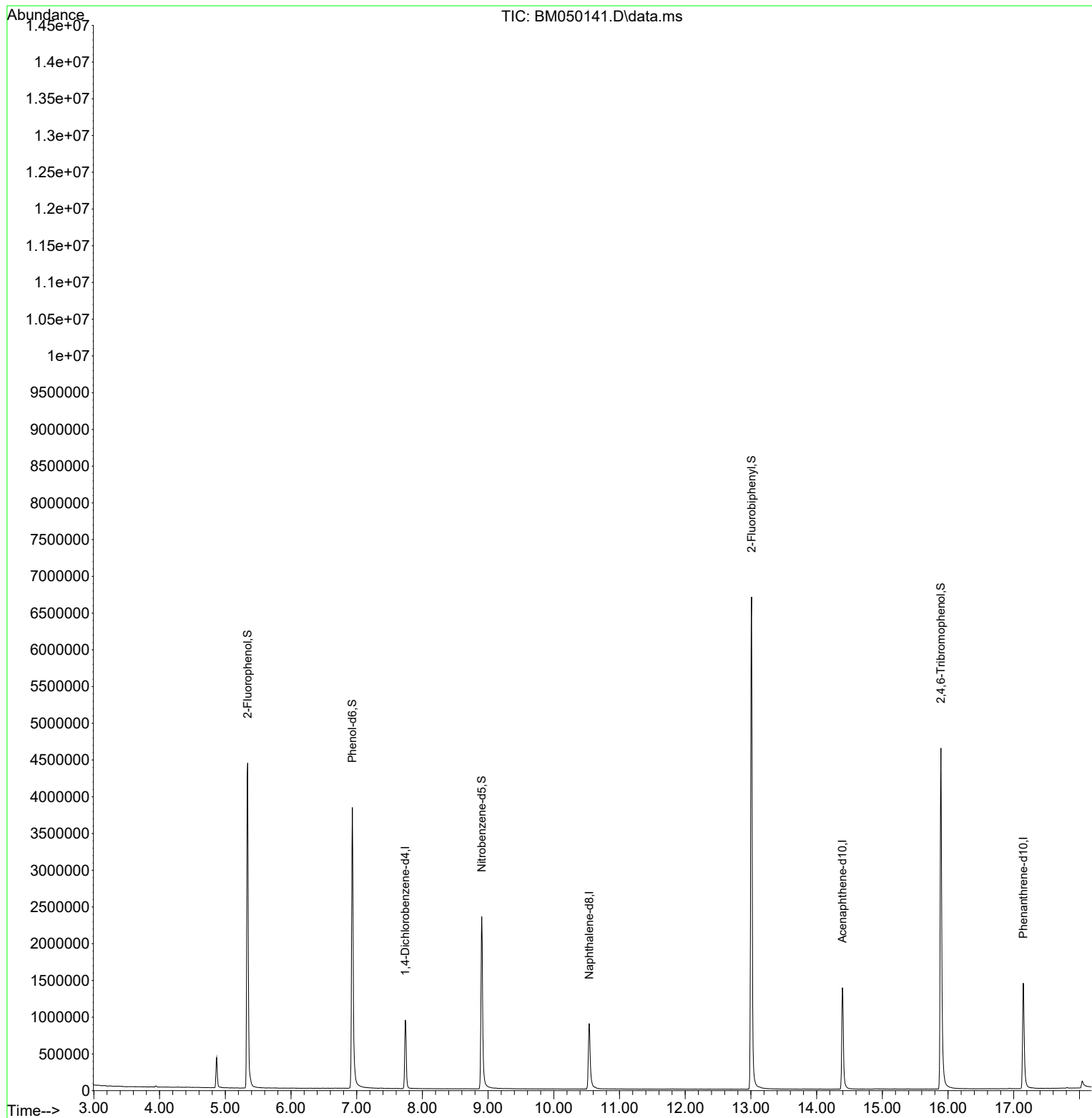
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

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

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM050825\  
Data File : BM050141.D  
Acq On : 08 May 2025 11:21  
Operator : RC/JU  
Sample : PB167889BL  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
PB167889BL

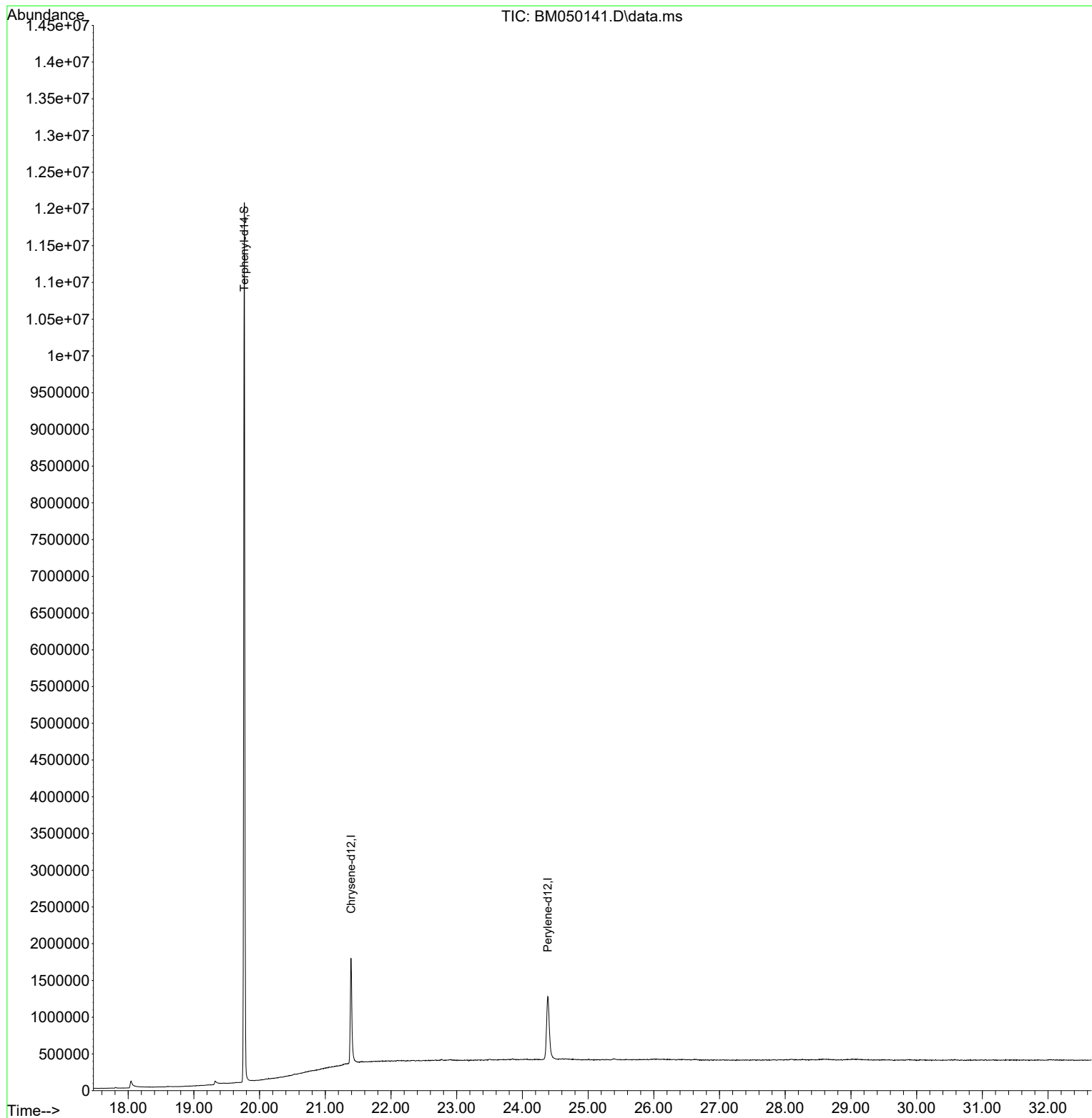
Quant Time: May 08 12:15:28 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM042825.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu May 08 12:03:21 2025  
Response via : Initial Calibration



Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM050825\  
Data File : BM050141.D  
Acq On : 08 May 2025 11:21  
Operator : RC/JU  
Sample : PB167889BL  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
PB167889BL

Quant Time: May 08 12:15:28 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM042825.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu May 08 12:03:21 2025  
Response via : Initial Calibration



Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM050825\  
 Data File : BM050141.D  
 Acq On : 08 May 2025 11:21  
 Operator : RC/JU  
 Sample : PB167889BL  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB167889BL

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\_M\Methods\8270-BM042825.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BM050141.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         | 4.869       | 314           | 320         | 330          | rBV      | 410473         | 612536        | 4.26%           | 0.918%        |
| 2         | 5.340       | 393           | 400         | 417          | rBV      | 4424702        | 7096282       | 49.41%          | 10.634%       |
| 3         | 6.934       | 664           | 671         | 700          | rBV      | 3817923        | 6914069       | 48.14%          | 10.360%       |
| 4         | 7.739       | 800           | 808         | 821          | rBV      | 935549         | 1563046       | 10.88%          | 2.342%        |
| 5         | 8.904       | 998           | 1006        | 1033         | rBV      | 2345754        | 4486181       | 31.23%          | 6.722%        |
| 6         | 10.539      | 1275          | 1284        | 1306         | rBV      | 892934         | 1964027       | 13.67%          | 2.943%        |
| 7         | 13.010      | 1696          | 1704        | 1731         | rBV      | 6698872        | 11110302      | 77.35%          | 16.648%       |
| 8         | 14.392      | 1929          | 1939        | 1959         | rBV      | 1381787        | 2513666       | 17.50%          | 3.767%        |
| 9         | 15.892      | 2187          | 2194        | 2233         | rBV      | 4640284        | 8173491       | 56.91%          | 12.248%       |
| 10        | 17.145      | 2400          | 2407        | 2427         | rBV2     | 1434806        | 2646945       | 18.43%          | 3.966%        |
| 11        | 18.045      | 2554          | 2560        | 2569         | rBV3     | 93206          | 244419        | 1.70%           | 0.366%        |
| 12        | 19.768      | 2847          | 2853        | 2871         | rBV      | 11970325       | 14363052      | 100.00%         | 21.523%       |
| 13        | 21.391      | 3123          | 3129        | 3143         | rBV2     | 1434153        | 2520935       | 17.55%          | 3.778%        |
| 14        | 24.385      | 3631          | 3638        | 3660         | rVB      | 848616         | 2525951       | 17.59%          | 3.785%        |

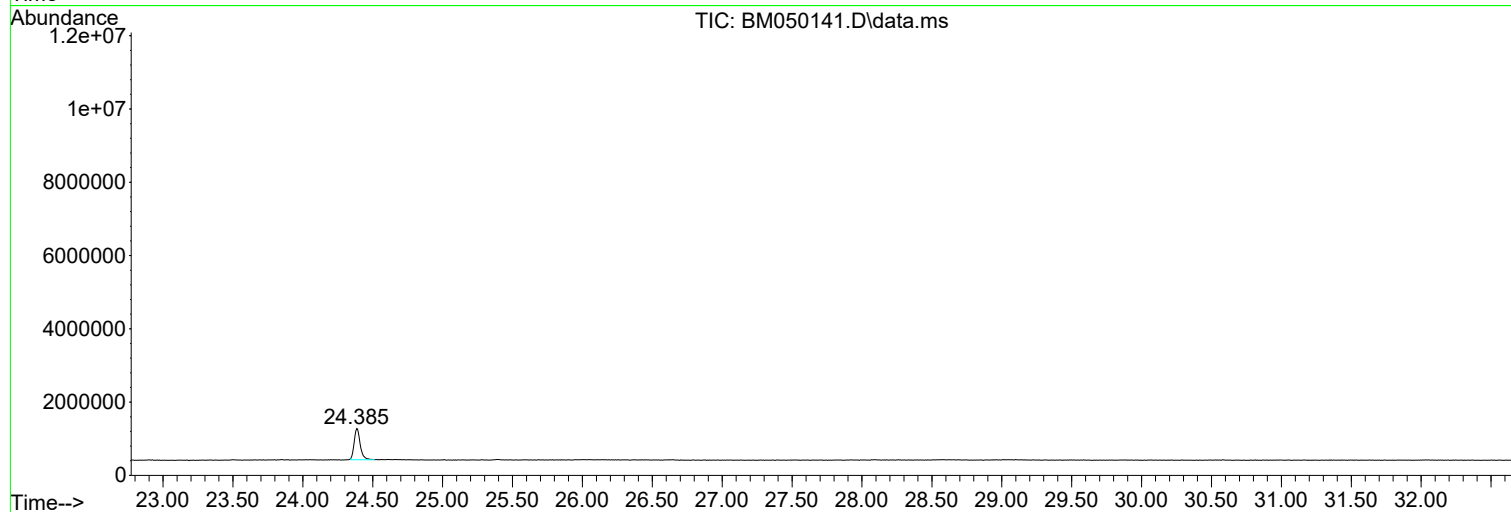
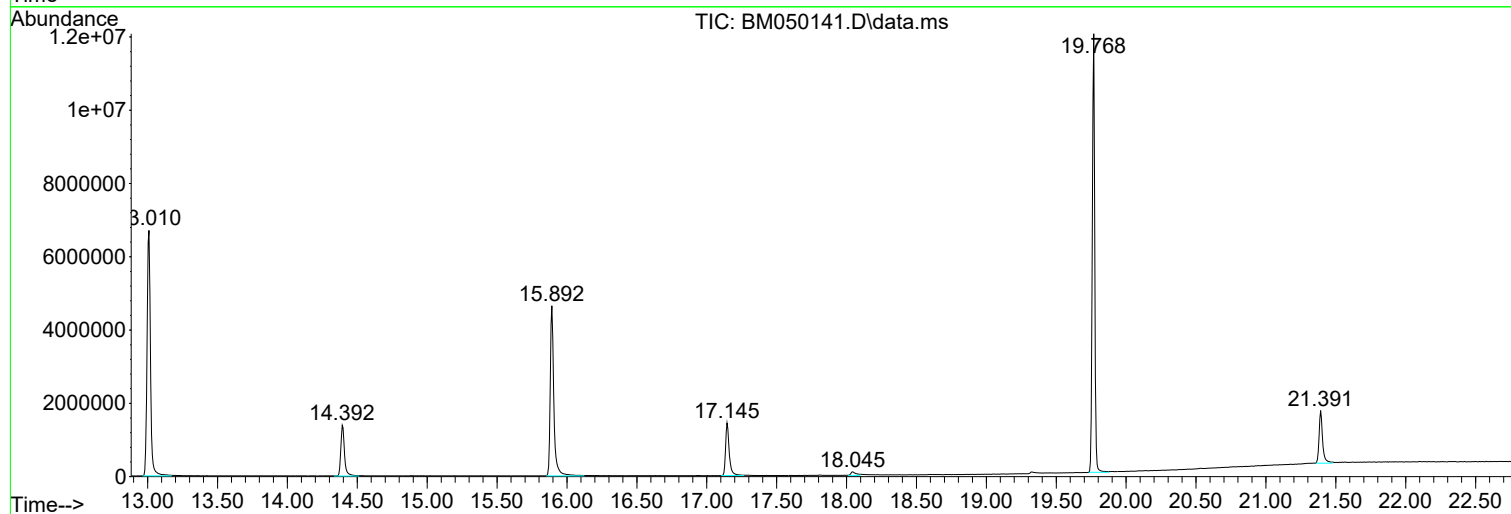
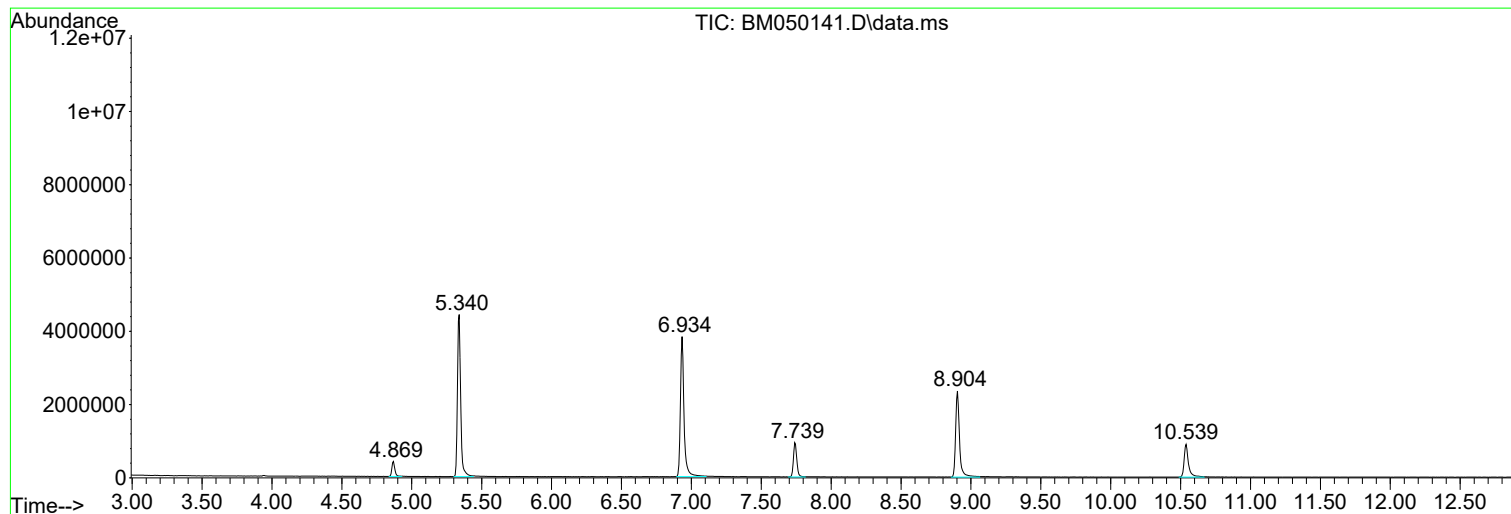
Sum of corrected areas: 66734902

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM050825\  
Data File : BM050141.D  
Acq On : 08 May 2025 11:21  
Operator : RC/JU  
Sample : PB167889BL  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
PB167889BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM042825.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM050825\  
Data File : BM050141.D  
Acq On : 08 May 2025 11:21  
Operator : RC/JU  
Sample : PB167889BL  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
PB167889BL

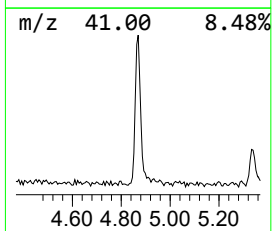
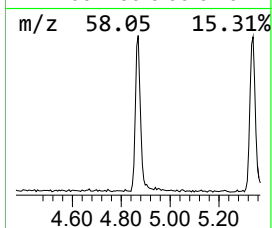
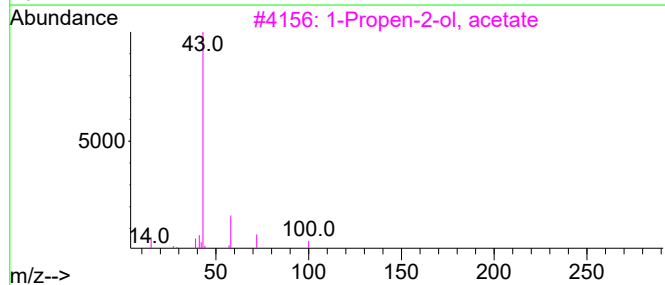
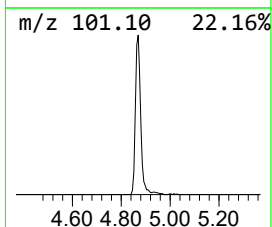
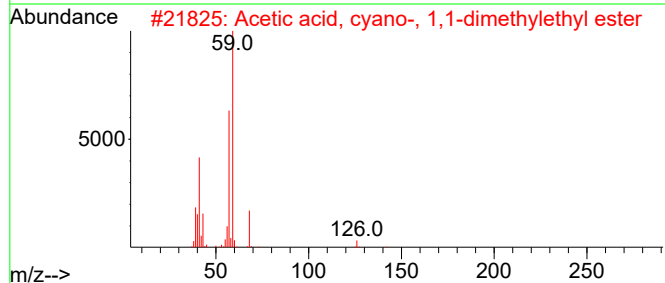
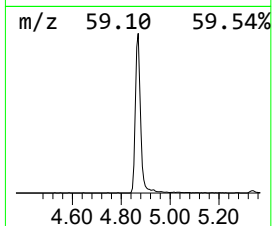
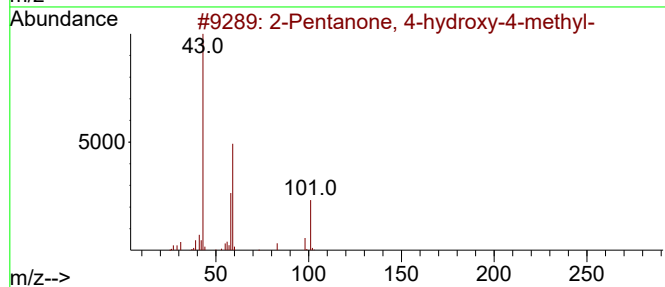
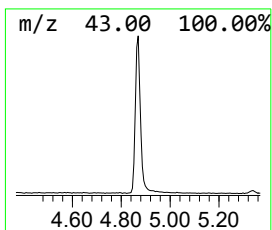
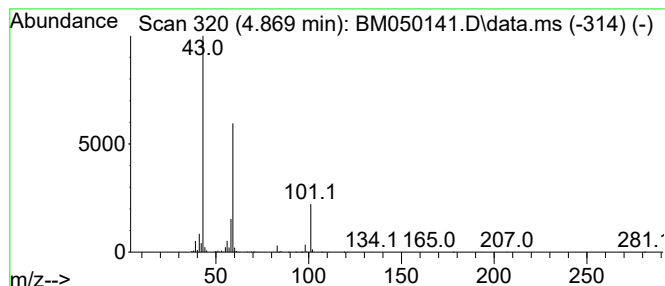
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM042825.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 1

| R.T.  | EstConc | Area   | Relative to ISTD       | R.T.  |
|-------|---------|--------|------------------------|-------|
| 4.869 | 7.84 ng | 612536 | 1,4-Dichlorobenzene-d4 | 7.739 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|----------|-------------|------|
| 1    |    |   | 2-Pentanone, 4-hydroxy-4-methyl-    | 116 | C6H12O2  | 000123-42-2 | 64   |
| 2    |    |   | Acetic acid, cyano-, 1,1-dimethy... | 141 | C7H11NO2 | 001116-98-9 | 17   |
| 3    |    |   | 1-Propen-2-ol, acetate              | 100 | C5H8O2   | 000108-22-5 | 10   |
| 4    |    |   | (+)-4-Amino-4,5-dihydro-2(3H)-f...  | 101 | C4H7NO2  | 016504-58-8 | 9    |
| 5    |    |   | 5-Hexen-2-one                       | 98  | C6H10O   | 000109-49-9 | 9    |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM050825\  
Data File : BM050141.D  
Acq On : 08 May 2025 11:21  
Operator : RC/JU  
Sample : PB167889BL  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
PB167889BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM042825.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 | --Internal Standard-- |       |         |      |
|--------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                    |       |         |       |          | #                     | RT    | Resp    | Conc |
| 2-Pentanone, 4-... | 4.869 | 7.8     | ng    | 612536   | 1                     | 7.739 | 1563050 | 20.0 |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM050825\  
 Data File : BM050142.D  
 Acq On : 08 May 2025 12:00  
 Operator : RC/JU  
 Sample : PB167889BS  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB167889BS

Quant Time: May 08 12:42:12 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM042825.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu May 08 12:03:21 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.740  | 152  | 270040   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.534 | 136  | 938494   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.392 | 164  | 568093   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.139 | 188  | 1021174  | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 21.380 | 240  | 945959   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 24.380 | 264  | 977986   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.340  | 112  | 1956963  | 126.899 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.934  | 99   | 2378415  | 122.708 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 8.904  | 82   | 1408955  | 73.978  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 15.886 | 330  | 1043589  | 124.237 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.004 | 172  | 3653835  | 76.087  | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.768 | 244  | 5064085  | 79.216  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.234  | 88   | 223866   | 33.856  | ng    | 99       |
| 3) Pyridine                   | 3.634  | 79   | 623284   | 36.688  | ng    | 98       |
| 4) n-Nitrosodimethylamine     | 3.546  | 42   | 274924   | 41.260  | ng    | 99       |
| 6) Aniline                    | 7.075  | 93   | 685482   | 28.007  | ng    | 99       |
| 8) 2-Chlorophenol             | 7.316  | 128  | 710289   | 42.599  | ng    | 98       |
| 9) Benzaldehyde               | 6.887  | 77   | 297678   | 22.950  | ng    | 98       |
| 10) Phenol                    | 6.957  | 94   | 842425   | 42.933  | ng    | 100      |
| 11) bis(2-Chloroethyl)ether   | 7.169  | 93   | 664180   | 40.537  | ng    | 100      |
| 12) 1,3-Dichlorobenzene       | 7.628  | 146  | 805508   | 39.992  | ng    | 99       |
| 13) 1,4-Dichlorobenzene       | 7.775  | 146  | 817636   | 40.408  | ng    | 100      |
| 14) 1,2-Dichlorobenzene       | 8.093  | 146  | 785343   | 40.180  | ng    | 99       |
| 15) Benzyl Alcohol            | 7.993  | 79   | 561188   | 41.749  | ng    | 97       |
| 16) 2,2'-oxybis(1-Chloropr... | 8.269  | 45   | 815438   | 40.942  | ng    | 99       |
| 17) 2-Methylphenol            | 8.204  | 107  | 539244   | 41.717  | ng    | 99       |
| 18) Hexachloroethane          | 8.816  | 117  | 289103   | 40.192  | ng    | 100      |
| 19) n-Nitroso-di-n-propyla... | 8.551  | 70   | 492380   | 39.608  | ng    | 99       |
| 20) 3+4-Methylphenols         | 8.534  | 107  | 724638   | 41.511  | ng    | 96       |
| 22) Acetophenone              | 8.569  | 105  | 967776   | 41.478  | ng    | 99       |
| 24) Nitrobenzene              | 8.945  | 77   | 696141   | 42.273  | ng    | 99       |
| 25) Isophorone                | 9.475  | 82   | 1295435  | 39.903  | ng    | 99       |
| 26) 2-Nitrophenol             | 9.657  | 139  | 368859   | 43.844  | ng    | 99       |
| 27) 2,4-Dimethylphenol        | 9.728  | 122  | 598259   | 42.880  | ng    | 100      |
| 28) bis(2-Chloroethoxy)met... | 9.945  | 93   | 827841   | 41.256  | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 10.210 | 162  | 672716   | 43.040  | ng    | 99       |
| 30) 1,2,4-Trichlorobenzene    | 10.398 | 180  | 783066   | 41.121  | ng    | 99       |
| 31) Naphthalene               | 10.587 | 128  | 1944854  | 40.920  | ng    | 99       |
| 32) Benzoic acid              | 9.910  | 122  | 373948   | 41.908  | ng    | 98       |
| 33) 4-Chloroaniline           | 10.716 | 127  | 345539   | 17.737  | ng    | 99       |
| 34) Hexachlorobutadiene       | 10.869 | 225  | 506147   | 41.872  | ng    | 100      |
| 35) Caprolactam               | 11.510 | 113  | 170422   | 37.395  | ng    | 97       |
| 36) 4-Chloro-3-methylphenol   | 11.851 | 107  | 588941   | 40.784  | ng    | 97       |
| 37) 2-Methylnaphthalene       | 12.204 | 142  | 1272363  | 39.930  | ng    | 99       |
| 38) 1-Methylnaphthalene       | 12.422 | 142  | 1330659  | 39.460  | ng    | 99       |
| 40) 1,2,4,5-Tetrachloroben... | 12.581 | 216  | 869756   | 44.227  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 12.551 | 237  | 1151100  | 95.780  | ng    | 99       |
| 43) 2,4,6-Trichlorophenol     | 12.828 | 196  | 558909   | 44.808  | ng    | 98       |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM050825\  
 Data File : BM050142.D  
 Acq On : 08 May 2025 12:00  
 Operator : RC/JU  
 Sample : PB167889BS  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB167889BS

Quant Time: May 08 12:42:12 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM042825.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu May 08 12:03:21 2025  
 Response via : Initial Calibration

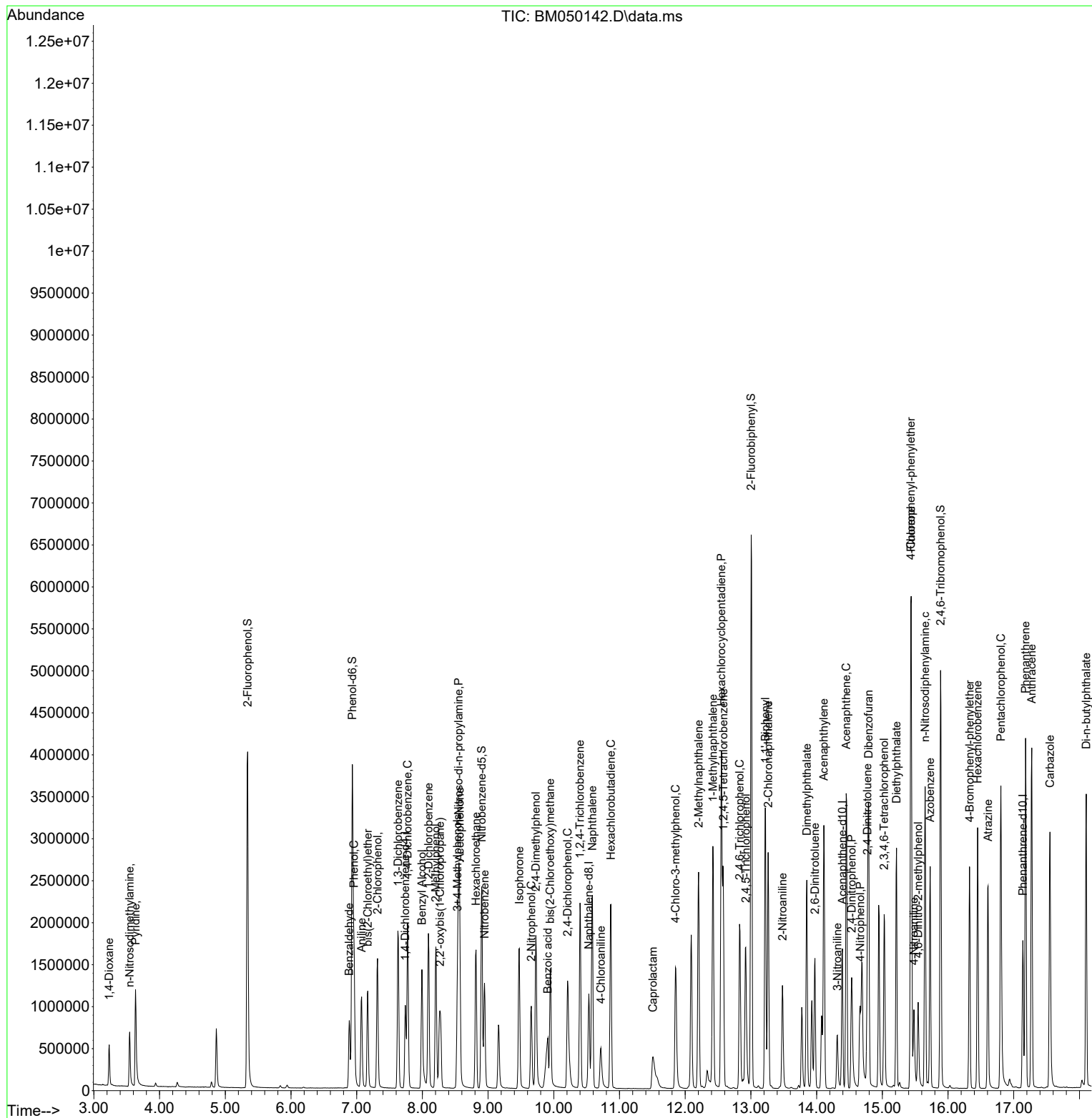
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 12.922 | 196  | 595418   | 44.267 | ng    | 99       |
| 46) 1,1'-Biphenyl             | 13.222 | 154  | 1824120  | 43.196 | ng    | 99       |
| 47) 2-Chloronaphthalene       | 13.263 | 162  | 1435664  | 42.925 | ng    | 100      |
| 48) 2-Nitroaniline            | 13.480 | 65   | 350822   | 44.692 | ng    | 99       |
| 49) Acenaphthylene            | 14.110 | 152  | 2229269  | 42.274 | ng    | 100      |
| 50) Dimethylphthalate         | 13.851 | 163  | 1711305  | 41.219 | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 13.975 | 165  | 370744   | 43.131 | ng    | 99       |
| 52) Acenaphthene              | 14.451 | 154  | 1286566  | 42.149 | ng    | 99       |
| 53) 3-Nitroaniline            | 14.316 | 138  | 203467   | 24.793 | ng    | 98       |
| 54) 2,4-Dinitrophenol         | 14.533 | 184  | 437692   | 79.596 | ng    | 98       |
| 55) Dibenzofuran              | 14.792 | 168  | 2121632  | 41.776 | ng    | 99       |
| 56) 4-Nitrophenol             | 14.663 | 139  | 503968   | 75.740 | ng    | 100      |
| 57) 2,4-Dinitrotoluene        | 14.774 | 165  | 509344   | 42.882 | ng    | 97       |
| 58) Fluorene                  | 15.439 | 166  | 1729486  | 41.605 | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol | 15.027 | 232  | 487372   | 41.860 | ng    | 99       |
| 60) Diethylphthalate          | 15.216 | 149  | 1565730  | 40.024 | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 15.433 | 204  | 952609   | 41.722 | ng    | 99       |
| 62) 4-Nitroaniline            | 15.480 | 138  | 300705   | 37.978 | ng    | 98       |
| 63) Azobenzene                | 15.727 | 77   | 1367543  | 41.712 | ng    | 99       |
| 65) 4,6-Dinitro-2-methylph... | 15.545 | 198  | 284575   | 44.519 | ng    | 97       |
| 66) n-Nitrosodiphenylamine    | 15.651 | 169  | 1427311  | 45.517 | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 16.327 | 248  | 547445   | 44.332 | ng    | 97       |
| 68) Hexachlorobenzene         | 16.451 | 284  | 633103   | 44.477 | ng    | 98       |
| 69) Atrazine                  | 16.610 | 200  | 493748   | 43.652 | ng    | 99       |
| 70) Pentachlorophenol         | 16.804 | 266  | 768709   | 95.939 | ng    | 99       |
| 71) Phenanthrene              | 17.180 | 178  | 2485581  | 43.156 | ng    | 100      |
| 72) Anthracene                | 17.274 | 178  | 2559025  | 43.905 | ng    | 100      |
| 73) Carbazole                 | 17.551 | 167  | 2188535  | 43.271 | ng    | 100      |
| 74) Di-n-butylphthalate       | 18.104 | 149  | 2568048  | 42.636 | ng    | 100      |
| 75) Fluoranthene              | 19.204 | 202  | 2865387  | 42.375 | ng    | 99       |
| 77) Benzidine                 | 19.392 | 184  | 1066546  | 31.741 | ng    | 99       |
| 78) Pyrene                    | 19.568 | 202  | 2925918  | 44.046 | ng    | 100      |
| 80) Butylbenzylphthalate      | 20.462 | 149  | 1090426  | 43.828 | ng    | 98       |
| 81) Benzo(a)anthracene        | 21.362 | 228  | 2849979  | 43.751 | ng    | 100      |
| 82) 3,3'-Dichlorobenzidine    | 21.292 | 252  | 620352   | 24.877 | ng    | # 99     |
| 83) Chrysene                  | 21.427 | 228  | 2604413  | 43.198 | ng    | 100      |
| 84) Bis(2-ethylhexyl)phtha... | 21.280 | 149  | 1590468  | 42.798 | ng    | 99       |
| 85) Di-n-octyl phthalate      | 22.403 | 149  | 2675728  | 43.660 | ng    | 100      |
| 87) Indeno(1,2,3-cd)pyrene    | 27.774 | 276  | 3550952  | 48.729 | ng    | 100      |
| 88) Benzo(b)fluoranthene      | 23.433 | 252  | 2769019  | 43.537 | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 23.492 | 252  | 2702901  | 42.013 | ng    | 99       |
| 90) Benzo(a)pyrene            | 24.239 | 252  | 2612810  | 43.862 | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 27.809 | 278  | 2908155  | 48.956 | ng    | 99       |
| 92) Benzo(g,h,i)perylene      | 28.815 | 276  | 2756751  | 48.474 | ng    | 100      |

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

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM050825\  
 Data File : BM050142.D  
 Acq On : 08 May 2025 12:00  
 Operator : RC/JU  
 Sample : PB167889BS  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB167889BS

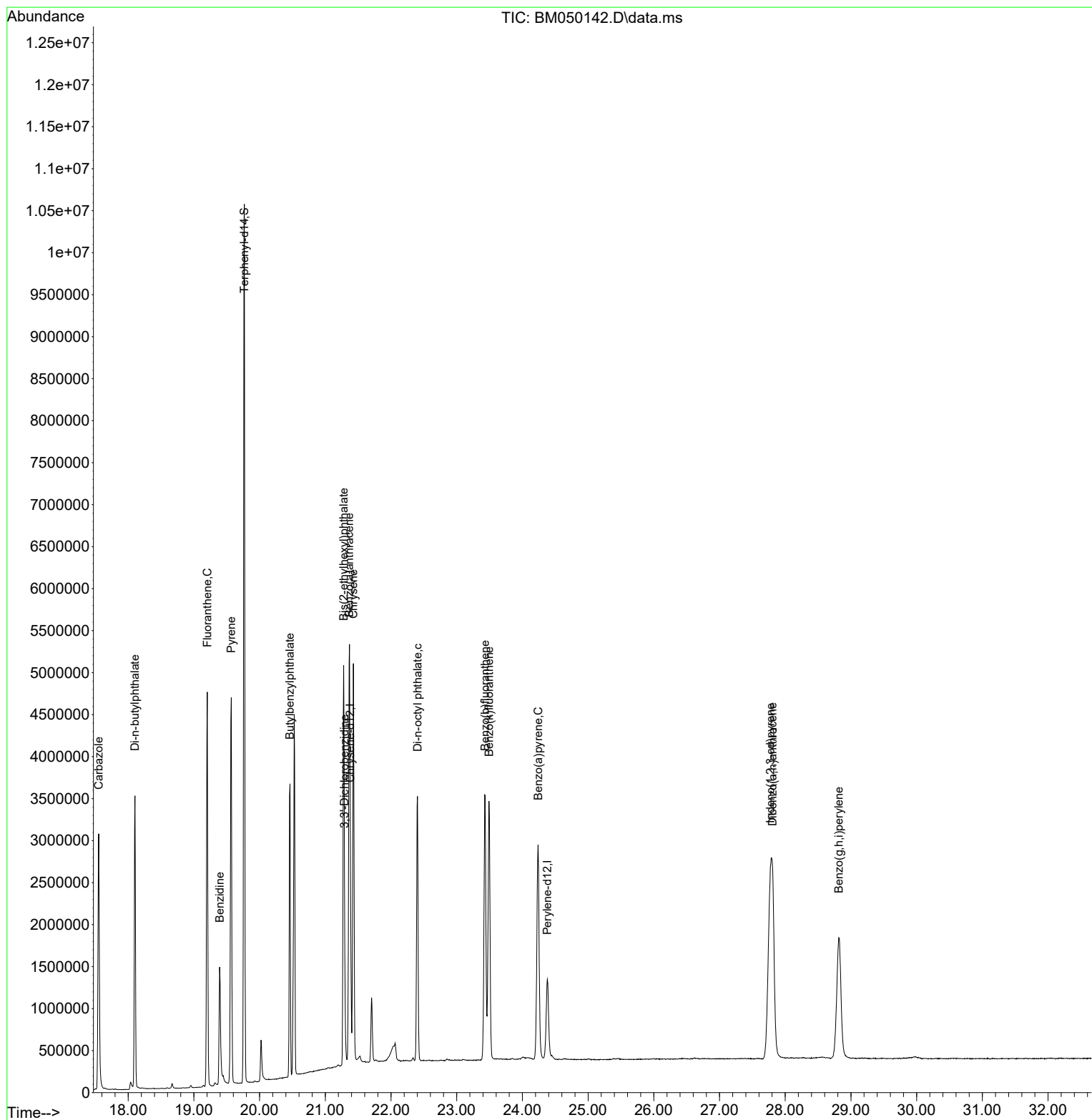
Quant Time: May 08 12:42:12 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM042825.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu May 08 12:03:21 2025  
 Response via : Initial Calibration



Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM050825\  
Data File : BM050142.D  
Acq On : 08 May 2025 12:00  
Operator : RC/JU  
Sample : PB167889BS  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
PB167889BS

Quant Time: May 08 12:42:12 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM042825.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu May 08 12:03:21 2025  
Response via : Initial Calibration



Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM050825\  
 Data File : BM050143.D  
 Acq On : 08 May 2025 12:39  
 Operator : RC/JU  
 Sample : PB167889BSD  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB167889BSD

Manual Integrations  
 APPROVED

Reviewed By :Rahul Chavli 05/09/2025  
 Supervised By :Jagrut Upadhyay 05/09/2025

Quant Time: May 08 13:14:53 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM042825.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu May 08 12:03:21 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.740  | 152  | 264346   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.534 | 136  | 911076   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.392 | 164  | 548910   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.139 | 188  | 982803   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 21.386 | 240  | 868474   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 24.380 | 264  | 893841   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.340  | 112  | 2021970  | 133.939 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.934  | 99   | 2452721  | 129.267 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 8.904  | 82   | 1448557  | 78.347  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 15.886 | 330  | 1063477  | 131.029 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.004 | 172  | 3723241  | 80.242  | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.768 | 244  | 5036934  | 85.821  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.234  | 88   | 230236   | 35.570  | ng    | 99       |
| 3) Pyridine                   | 3.634  | 79   | 631457   | 37.969  | ng    | 97       |
| 4) n-Nitrosodimethylamine     | 3.546  | 42   | 272864   | 41.833  | ng    | 99       |
| 6) Aniline                    | 7.075  | 93   | 646417   | 26.980  | ng    | 98       |
| 8) 2-Chlorophenol             | 7.316  | 128  | 713271   | 43.699  | ng    | 99       |
| 9) Benzaldehyde               | 6.887  | 77   | 294210   | 23.171  | ng    | 99       |
| 10) Phenol                    | 6.957  | 94   | 838666   | 43.662  | ng    | 99       |
| 11) bis(2-Chloroethyl)ether   | 7.169  | 93   | 669133   | 41.719  | ng    | 99       |
| 12) 1,3-Dichlorobenzene       | 7.628  | 146  | 816752   | 41.424  | ng    | 100      |
| 13) 1,4-Dichlorobenzene       | 7.775  | 146  | 821437   | 41.470  | ng    | 99       |
| 14) 1,2-Dichlorobenzene       | 8.093  | 146  | 788459   | 41.208  | ng    | 99       |
| 15) Benzyl Alcohol            | 7.993  | 79   | 559284   | 42.504  | ng    | 96       |
| 16) 2,2'-oxybis(1-Chloropr... | 8.263  | 45   | 810918   | 41.593  | ng    | 99       |
| 17) 2-Methylphenol            | 8.204  | 107  | 540207   | 42.691  | ng    | 99       |
| 18) Hexachloroethane          | 8.816  | 117  | 293460   | 41.677  | ng    | 99       |
| 19) n-Nitroso-di-n-propyla... | 8.551  | 70   | 488851   | 40.172  | ng    | 100      |
| 20) 3+4-Methylphenols         | 8.534  | 107  | 717828   | 42.007  | ng    | 98       |
| 22) Acetophenone              | 8.569  | 105  | 969487   | 42.801  | ng    | # 98     |
| 24) Nitrobenzene              | 8.945  | 77   | 695574   | 43.509  | ng    | 98       |
| 25) Isophorone                | 9.475  | 82   | 1290030  | 40.932  | ng    | 99       |
| 26) 2-Nitrophenol             | 9.657  | 139  | 367311   | 44.974  | ng    | 98       |
| 27) 2,4-Dimethylphenol        | 9.728  | 122  | 595475   | 43.965  | ng    | 99       |
| 28) bis(2-Chloroethoxy)met... | 9.945  | 93   | 817207   | 41.952  | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 10.210 | 162  | 674561   | 44.457  | ng    | 99       |
| 30) 1,2,4-Trichlorobenzene    | 10.398 | 180  | 792832   | 42.886  | ng    | 99       |
| 31) Naphthalene               | 10.587 | 128  | 1954746  | 42.366  | ng    | 100      |
| 32) Benzoic acid              | 9.910  | 122  | 394151m  | 45.501  | ng    |          |
| 33) 4-Chloroaniline           | 10.716 | 127  | 306640   | 16.214  | ng    | 98       |
| 34) Hexachlorobutadiene       | 10.869 | 225  | 513285   | 43.740  | ng    | 99       |
| 35) Caprolactam               | 11.510 | 113  | 167178   | 37.787  | ng    | 96       |
| 36) 4-Chloro-3-methylphenol   | 11.857 | 107  | 576231   | 41.105  | ng    | 99       |
| 37) 2-Methylnaphthalene       | 12.204 | 142  | 1271852  | 41.115  | ng    | 100      |
| 38) 1-Methylnaphthalene       | 12.422 | 142  | 1327396  | 40.548  | ng    | 99       |
| 40) 1,2,4,5-Tetrachloroben... | 12.581 | 216  | 870924   | 45.834  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 12.551 | 237  | 1147740  | 98.838  | ng    | 100      |
| 43) 2,4,6-Trichlorophenol     | 12.833 | 196  | 549841   | 45.622  | ng    | 97       |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM050825\  
 Data File : BM050143.D  
 Acq On : 08 May 2025 12:39  
 Operator : RC/JU  
 Sample : PB167889BSD  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB167889BSD

Manual Integrations  
 APPROVED

Reviewed By :Rahul Chavli 05/09/2025  
 Supervised By :Jagrut Upadhyay 05/09/2025

Quant Time: May 08 13:14:53 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM042825.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu May 08 12:03:21 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 12.922 | 196  | 594889   | 45.773 | ng    | 98       |
| 46) 1,1'-Biphenyl             | 13.216 | 154  | 1813471  | 44.444 | ng    | 99       |
| 47) 2-Chloronaphthalene       | 13.263 | 162  | 1442235  | 44.629 | ng    | 100      |
| 48) 2-Nitroaniline            | 13.480 | 65   | 346667   | 45.707 | ng    | 99       |
| 49) Acenaphthylene            | 14.110 | 152  | 2217366  | 43.518 | ng    | 100      |
| 50) Dimethylphthalate         | 13.851 | 163  | 1687386  | 42.064 | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 13.975 | 165  | 364981   | 43.944 | ng    | 99       |
| 52) Acenaphthene              | 14.451 | 154  | 1280948  | 43.432 | ng    | 99       |
| 53) 3-Nitroaniline            | 14.316 | 138  | 187182   | 23.606 | ng    | 98       |
| 54) 2,4-Dinitrophenol         | 14.533 | 184  | 430670   | 80.951 | ng    | 98       |
| 55) Dibenzofuran              | 14.792 | 168  | 2092337  | 42.639 | ng    | 99       |
| 56) 4-Nitrophenol             | 14.663 | 139  | 485201   | 75.484 | ng    | 99       |
| 57) 2,4-Dinitrotoluene        | 14.775 | 165  | 497539   | 43.352 | ng    | 97       |
| 58) Fluorene                  | 15.439 | 166  | 1702697  | 42.392 | ng    | 100      |
| 59) 2,3,4,6-Tetrachlorophenol | 15.033 | 232  | 482259   | 42.868 | ng    | 99       |
| 60) Diethylphthalate          | 15.216 | 149  | 1537382  | 40.672 | ng    | 100      |
| 61) 4-Chlorophenyl-phenyle... | 15.433 | 204  | 942516   | 42.723 | ng    | 99       |
| 62) 4-Nitroaniline            | 15.480 | 138  | 285268   | 37.288 | ng    | 97       |
| 63) Azobenzene                | 15.727 | 77   | 1345417  | 42.471 | ng    | 99       |
| 65) 4,6-Dinitro-2-methylph... | 15.545 | 198  | 279844   | 45.488 | ng    | 97       |
| 66) n-Nitrosodiphenylamine    | 15.651 | 169  | 1392965  | 46.156 | ng    | 100      |
| 67) 4-Bromophenyl-phenylether | 16.327 | 248  | 542393   | 45.638 | ng    | 98       |
| 68) Hexachlorobenzene         | 16.451 | 284  | 625015   | 45.623 | ng    | 97       |
| 69) Atrazine                  | 16.610 | 200  | 478867   | 43.989 | ng    | 100      |
| 70) Pentachlorophenol         | 16.804 | 266  | 748706   | 97.091 | ng    | 99       |
| 71) Phenanthrene              | 17.180 | 178  | 2456477  | 44.316 | ng    | 100      |
| 72) Anthracene                | 17.274 | 178  | 2500364  | 44.573 | ng    | 100      |
| 73) Carbazole                 | 17.551 | 167  | 2142721  | 44.019 | ng    | 99       |
| 74) Di-n-butylphthalate       | 18.104 | 149  | 2500884  | 43.142 | ng    | 100      |
| 75) Fluoranthene              | 19.204 | 202  | 2767529  | 42.525 | ng    | 100      |
| 77) Benzidine                 | 19.392 | 184  | 926472   | 30.033 | ng    | 99       |
| 78) Pyrene                    | 19.568 | 202  | 2838617  | 46.545 | ng    | 100      |
| 80) Butylbenzylphthalate      | 20.462 | 149  | 1034547  | 45.291 | ng    | 97       |
| 81) Benzo(a)anthracene        | 21.368 | 228  | 2693046  | 45.030 | ng    | 100      |
| 82) 3,3'-Dichlorobenzidine    | 21.292 | 252  | 571243   | 24.952 | ng    | 99       |
| 83) Chrysene                  | 21.427 | 228  | 2451903  | 44.297 | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 21.280 | 149  | 1507874  | 44.196 | ng    | 99       |
| 85) Di-n-octyl phthalate      | 22.403 | 149  | 2495544  | 44.353 | ng    | 100      |
| 87) Indeno(1,2,3-cd)pyrene    | 27.768 | 276  | 3344168  | 50.211 | ng    | 100      |
| 88) Benzo(b)fluoranthene      | 23.433 | 252  | 2565912  | 44.142 | ng    | 100      |
| 89) Benzo(k)fluoranthene      | 23.492 | 252  | 2534162  | 43.098 | ng    | 100      |
| 90) Benzo(a)pyrene            | 24.239 | 252  | 2428116  | 44.598 | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 27.809 | 278  | 2734690  | 50.370 | ng    | 99       |
| 92) Benzo(g,h,i)perylene      | 28.821 | 276  | 2620801  | 50.422 | ng    | 99       |

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



Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM050825\  
 Data File : BM050143.D  
 Acq On : 08 May 2025 12:39  
 Operator : RC/JU  
 Sample : PB167889BSD  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

**Instrument :**

BNA\_M

**ClientSampleId :**

PB167889BSD

**Manual Integrations****APPROVED**

Reviewed By :Rahul Chavli 05/09/2025

Supervised By :Jagrut Upadhyay 05/09/2025

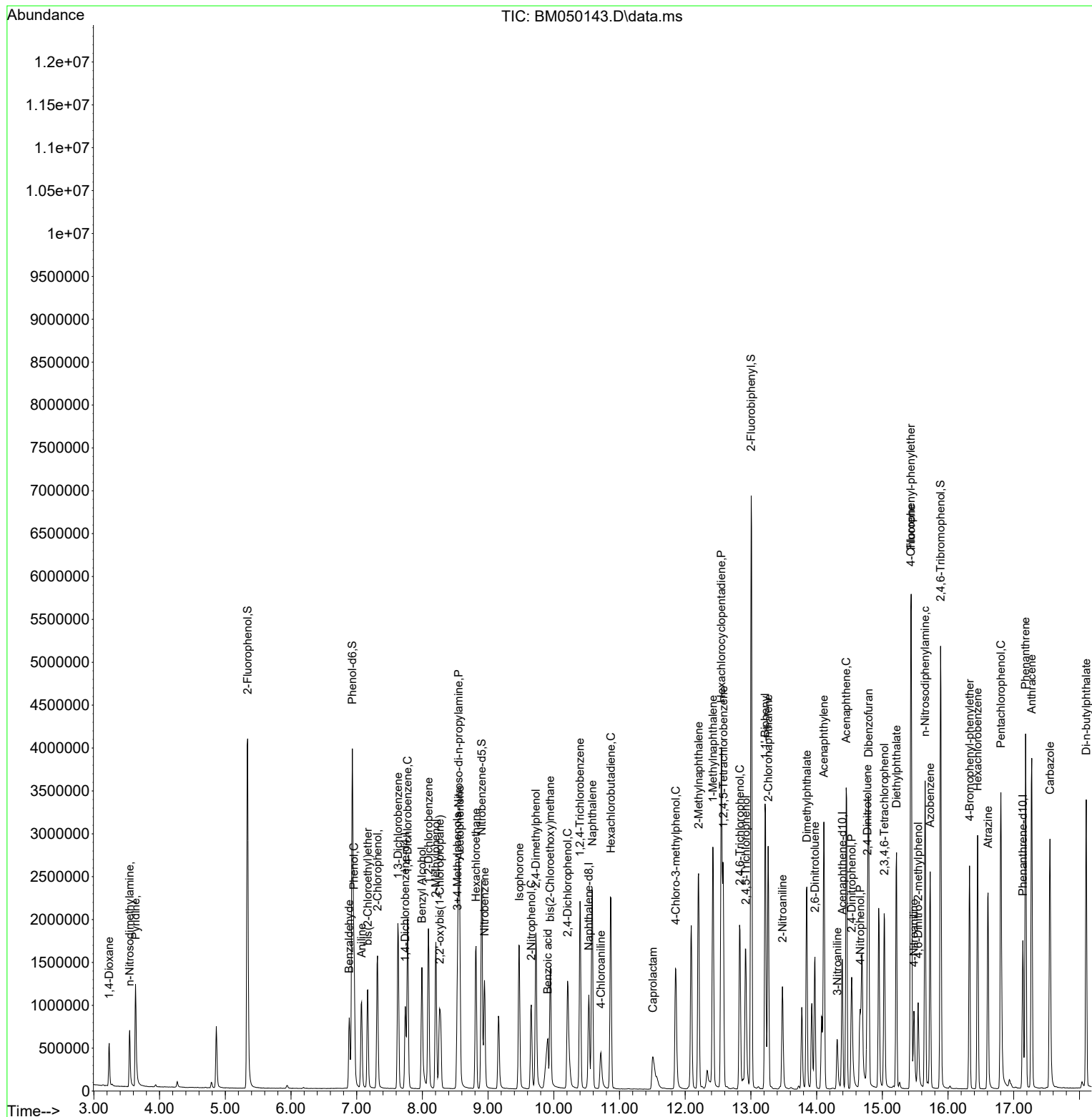
Quant Time: May 08 13:14:53 2025

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM042825.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Thu May 08 12:03:21 2025

Response via : Initial Calibration



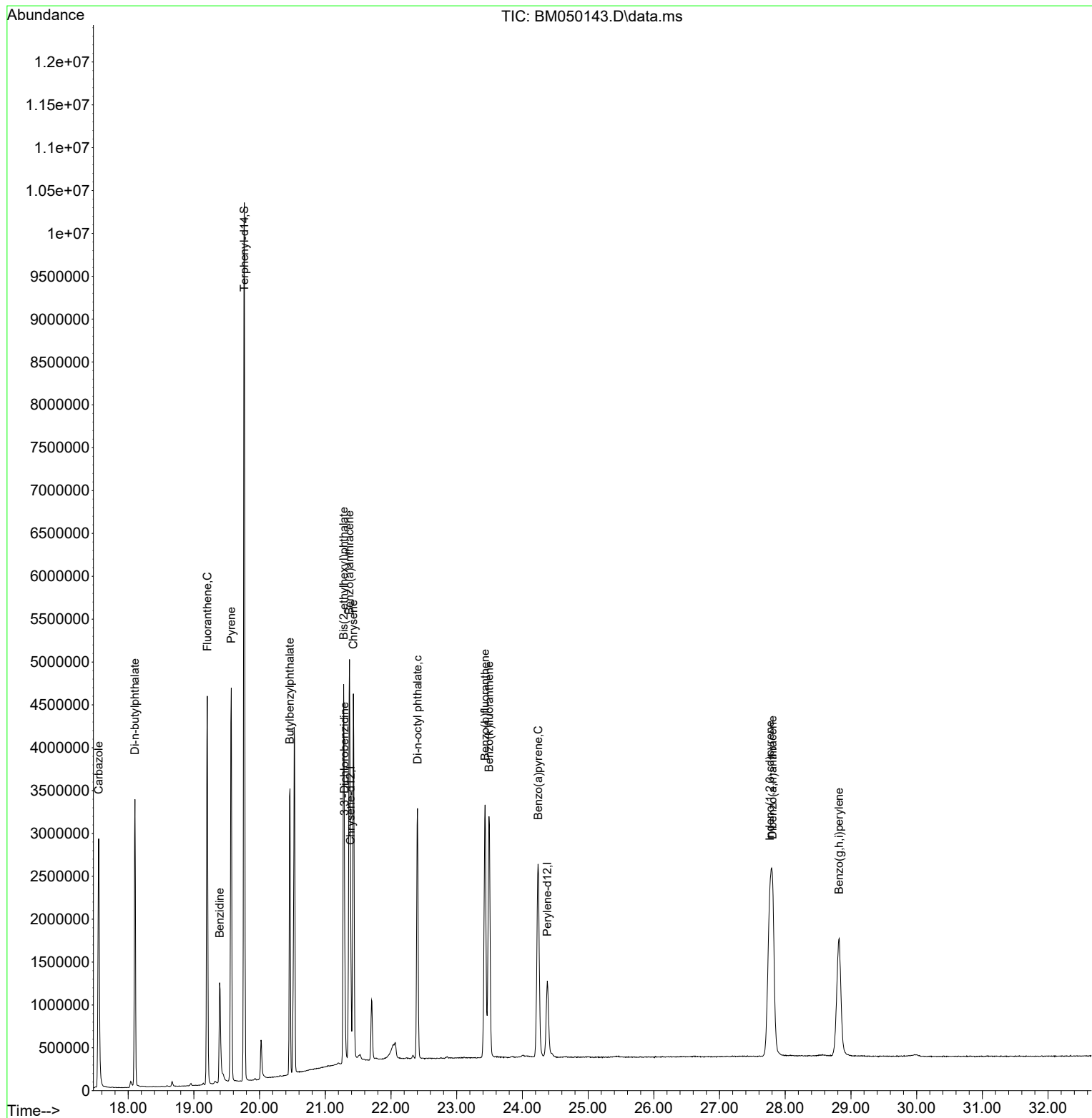
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM050825\  
Data File : BM050143.D  
Acq On : 08 May 2025 12:39  
Operator : RC/JU  
Sample : PB167889BSD  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
PB167889BSD

Manual Integrations  
**APPROVED**

Reviewed By :Rahul Chavli 05/09/2025  
Supervised By :Jagrut Upadhyay 05/09/2025

Quant Time: May 08 13:14:53 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM042825.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu May 08 12:03:21 2025  
Response via : Initial Calibration





## Manual Integration Report

|           |          |            |       |
|-----------|----------|------------|-------|
| Sequence: | BM042825 | Instrument | BNA_m |
|-----------|----------|------------|-------|

| Sample ID  | File ID    | Parameter            | Review By | Review On            | Supervised By | Supervised On         | Reason                      |
|------------|------------|----------------------|-----------|----------------------|---------------|-----------------------|-----------------------------|
| SSTDICC005 | BM050025.D | 4-Nitroaniline       | Rahul     | 4/29/2025 8:55:04 AM | Jagrut        | 4/29/2025 11:57:10 AM | Peak Integrated by Software |
| SSTDICC005 | BM050025.D | Benzaldehyde         | Rahul     | 4/29/2025 8:55:04 AM | Jagrut        | 4/29/2025 11:57:10 AM | Peak Integrated by Software |
| SSTDICC005 | BM050025.D | Benzo(k)fluoranthene | Rahul     | 4/29/2025 8:55:04 AM | Jagrut        | 4/29/2025 11:57:10 AM | Peak Integrated by Software |
| SSTDICC005 | BM050025.D | Caprolactam          | Rahul     | 4/29/2025 8:55:04 AM | Jagrut        | 4/29/2025 11:57:10 AM | Peak Integrated by Software |
| SSTDICC010 | BM050026.D | 4-Nitroaniline       | Rahul     | 4/29/2025 8:55:07 AM | Jagrut        | 4/29/2025 11:57:13 AM | Peak Integrated by Software |
| SSTDICC010 | BM050026.D | Benzaldehyde         | Rahul     | 4/29/2025 8:55:07 AM | Jagrut        | 4/29/2025 11:57:13 AM | Peak Integrated by Software |
| SSTDICC010 | BM050026.D | Benzoic acid         | Rahul     | 4/29/2025 8:55:07 AM | Jagrut        | 4/29/2025 11:57:13 AM | Peak Integrated by Software |
| SSTDICC020 | BM050027.D | Benzoic acid         | Rahul     | 4/29/2025 8:55:10 AM | Jagrut        | 4/29/2025 11:57:15 AM | Peak Integrated by Software |
| SSTDICV040 | BM050032.D | Benzaldehyde         | Rahul     | 4/29/2025 8:55:13 AM | Jagrut        | 4/29/2025 11:57:18 AM | Peak Integrated by Software |



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

## Manual Integration Report

|           |          |            |       |
|-----------|----------|------------|-------|
| Sequence: | bm050725 | Instrument | BNA_m |
|-----------|----------|------------|-------|

| Sample ID  | File ID    | Parameter   | Review By | Review On           | Supervised By | Supervised On        | Reason                      |
|------------|------------|-------------|-----------|---------------------|---------------|----------------------|-----------------------------|
| Q1945-01DL | BM050137.D | Caprolactam | Rahul     | 5/8/2025 9:30:44 AM | Jagrut        | 5/8/2025 11:18:58 AM | Peak Integrated by Software |



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## Manual Integration Report

|           |          |            |       |
|-----------|----------|------------|-------|
| Sequence: | bm050825 | Instrument | BNA_m |
|-----------|----------|------------|-------|

| Sample ID   | File ID    | Parameter    | Review By | Review On           | Supervised By | Supervised On       | Reason                      |
|-------------|------------|--------------|-----------|---------------------|---------------|---------------------|-----------------------------|
| PB167889BSD | BM050143.D | Benzoic acid | Rahul     | 5/9/2025 9:43:10 AM | Jagrut        | 5/9/2025 3:39:53 PM | Peak Integrated by Software |

Instrument ID: **BNA\_M**

**Daily Analysis Runlog For Sequence/QC Batch ID # BM042825**

|                          |          |                                                         |                       |                      |          |
|--------------------------|----------|---------------------------------------------------------|-----------------------|----------------------|----------|
| Review By                | Rahul    | Review On                                               | 4/29/2025 8:56:26 AM  |                      |          |
| Supervise By             | Jagrut   | Supervise On                                            | 4/29/2025 11:57:30 AM |                      |          |
| SubDirectory             | BM042825 | HP Acquire Method                                       | BNA_M                 | HP Processing Method | BM042825 |
| STD. NAME                |          | STD REF.#                                               |                       |                      |          |
| Tune/Reschk              |          | SP6757                                                  |                       |                      |          |
| Initial Calibration Stds |          | SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729 |                       |                      |          |
| CCC                      |          | SP6725                                                  |                       |                      |          |
| Internal Standard/PEM    |          | S12661,10ul/1000ul sample                               |                       |                      |          |
| ICV/I.BLK                |          | SP6770                                                  |                       |                      |          |
| Surrogate Standard       |          |                                                         |                       |                      |          |
| MS/MSD Standard          |          |                                                         |                       |                      |          |
| LCS Standard             |          |                                                         |                       |                      |          |

| Sr# | SampleId    | Data File Name | Date-Time         | Operator | Status |
|-----|-------------|----------------|-------------------|----------|--------|
| 1   | DFTPP       | BM050023.D     | 28 Apr 2025 11:46 | RC/JU    | Ok     |
| 2   | SSTDICC2.5  | BM050024.D     | 28 Apr 2025 12:30 | RC/JU    | Ok     |
| 3   | SSTDICC005  | BM050025.D     | 28 Apr 2025 13:09 | RC/JU    | Ok,M   |
| 4   | SSTDICC010  | BM050026.D     | 28 Apr 2025 13:48 | RC/JU    | Ok,M   |
| 5   | SSTDICC020  | BM050027.D     | 28 Apr 2025 14:27 | RC/JU    | Ok,M   |
| 6   | SSTDICCC040 | BM050028.D     | 28 Apr 2025 15:06 | RC/JU    | Ok     |
| 7   | SSTDICC050  | BM050029.D     | 28 Apr 2025 15:45 | RC/JU    | Ok     |
| 8   | SSTDICC060  | BM050030.D     | 28 Apr 2025 16:24 | RC/JU    | Ok     |
| 9   | SSTDICC080  | BM050031.D     | 28 Apr 2025 17:04 | RC/JU    | Ok     |
| 10  | SSTDICV040  | BM050032.D     | 28 Apr 2025 17:43 | RC/JU    | Ok,M   |
| 11  | PB167739BL  | BM050033.D     | 28 Apr 2025 19:40 | RC/JU    | Not Ok |

M : Manual Integration

Instrument ID: **BNA\_M**

**Daily Analysis Runlog For Sequence/QC Batch ID # BM050725**

|                          |          |                                                         |                      |                      |          |
|--------------------------|----------|---------------------------------------------------------|----------------------|----------------------|----------|
| Review By                | Rahul    | Review On                                               | 5/8/2025 9:31:30 AM  |                      |          |
| Supervise By             | Jagrut   | Supervise On                                            | 5/8/2025 11:19:09 AM |                      |          |
| SubDirectory             | BM050725 | HP Acquire Method                                       | BNA_M                | HP Processing Method | BM042825 |
| STD. NAME                |          | STD REF.#                                               |                      |                      |          |
| Tune/Reschk              |          | SP6757                                                  |                      |                      |          |
| Initial Calibration Stds |          | SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729 |                      |                      |          |
| CCC                      |          | SP6725                                                  |                      |                      |          |
| Internal Standard/PEM    |          | S12663,10ul/1000ul sample                               |                      |                      |          |
| ICV/I.BLK                |          | SP6770                                                  |                      |                      |          |
| Surrogate Standard       |          |                                                         |                      |                      |          |
| MS/MSD Standard          |          |                                                         |                      |                      |          |
| LCS Standard             |          |                                                         |                      |                      |          |

| Sr# | SampleId   | Data File Name | Date-Time         | Operator | Status   |
|-----|------------|----------------|-------------------|----------|----------|
| 1   | DFTPP      | BM050128.D     | 07 May 2025 09:17 | RC/JU    | Ok       |
| 2   | SSTDCCC040 | BM050129.D     | 07 May 2025 09:56 | RC/JU    | Ok       |
| 3   | PB167879BL | BM050130.D     | 07 May 2025 10:35 | RC/JU    | Ok       |
| 4   | PB167879BS | BM050131.D     | 07 May 2025 11:14 | RC/JU    | Ok,M     |
| 5   | Q1952-01DL | BM050132.D     | 07 May 2025 12:33 | RC/JU    | Ok,M     |
| 6   | Q1938-01   | BM050133.D     | 07 May 2025 13:12 | RC/JU    | Ok       |
| 7   | Q1945-01   | BM050134.D     | 07 May 2025 14:26 | RC/JU    | Dilution |
| 8   | Q1945-02   | BM050135.D     | 07 May 2025 15:05 | RC/JU    | Dilution |
| 9   | Q1956-07   | BM050136.D     | 07 May 2025 15:44 | RC/JU    | Ok       |
| 10  | Q1945-01DL | BM050137.D     | 07 May 2025 16:24 | RC/JU    | Ok,M     |
| 11  | Q1945-02DL | BM050138.D     | 07 May 2025 17:03 | RC/JU    | Ok       |

M : Manual Integration

Instrument ID: **BNA\_M**

**Daily Analysis Runlog For Sequence/QC Batch ID # BM050825**

|                          |          |                                                         |                     |                      |          |
|--------------------------|----------|---------------------------------------------------------|---------------------|----------------------|----------|
| Review By                | Rahul    | Review On                                               | 5/9/2025 9:43:48 AM |                      |          |
| Supervise By             | Jagrut   | Supervise On                                            | 5/9/2025 3:41:05 PM |                      |          |
| SubDirectory             | BM050825 | HP Acquire Method                                       | BNA_M               | HP Processing Method | BM042825 |
| STD. NAME                |          | STD REF.#                                               |                     |                      |          |
| Tune/Reschk              |          | SP6757                                                  |                     |                      |          |
| Initial Calibration Stds |          | SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729 |                     |                      |          |
| CCC                      |          | SP6725                                                  |                     |                      |          |
| Internal Standard/PEM    |          | S12663,10ul/1000ul sample                               |                     |                      |          |
| ICV/I.BLK                |          | SP6770                                                  |                     |                      |          |
| Surrogate Standard       |          |                                                         |                     |                      |          |
| MS/MSD Standard          |          |                                                         |                     |                      |          |
| LCS Standard             |          |                                                         |                     |                      |          |

| Sr# | SampleId    | Data File Name | Date-Time         | Operator | Status |
|-----|-------------|----------------|-------------------|----------|--------|
| 1   | DFTPP       | BM050139.D     | 08 May 2025 09:59 | RC/JU    | Ok     |
| 2   | SSTDCCC040  | BM050140.D     | 08 May 2025 10:41 | RC/JU    | Ok     |
| 3   | PB167889BL  | BM050141.D     | 08 May 2025 11:21 | RC/JU    | Ok     |
| 4   | PB167889BS  | BM050142.D     | 08 May 2025 12:00 | RC/JU    | Ok     |
| 5   | PB167889BSD | BM050143.D     | 08 May 2025 12:39 | RC/JU    | Ok,M   |
| 6   | PB167851TB  | BM050144.D     | 08 May 2025 13:18 | RC/JU    | Ok     |
| 7   | Q1964-01    | BM050145.D     | 08 May 2025 14:02 | RC/JU    | Ok     |
| 8   | Q1964-01MS  | BM050146.D     | 08 May 2025 14:42 | RC/JU    | Ok     |
| 9   | Q1964-01MSD | BM050147.D     | 08 May 2025 15:21 | RC/JU    | Ok,M   |
| 10  | Q1966-02    | BM050148.D     | 08 May 2025 16:00 | RC/JU    | Ok     |
| 11  | Q1968-01    | BM050149.D     | 08 May 2025 16:39 | RC/JU    | Ok     |
| 12  | Q1972-13    | BM050150.D     | 08 May 2025 17:19 | RC/JU    | Ok     |
| 13  | Q1978-01    | BM050151.D     | 08 May 2025 17:58 | RC/JU    | Ok     |
| 14  | Q1976-01    | BM050152.D     | 08 May 2025 18:37 | RC/JU    | Ok     |
| 15  | Q1972-21    | BM050153.D     | 08 May 2025 19:17 | RC/JU    | Ok,M   |
| 16  | Q1968-05    | BM050154.D     | 08 May 2025 19:56 | RC/JU    | Ok,M   |
| 17  | Q1969-01    | BM050155.D     | 08 May 2025 20:35 | RC/JU    | Ok     |

M : Manual Integration

Instrument ID: BNA\_M

**Daily Analysis Runlog For Sequence/QC Batch ID # BM042825**

|              |          |                      |                       |
|--------------|----------|----------------------|-----------------------|
| Review By    | Rahul    | Review On            | 4/29/2025 8:56:26 AM  |
| Supervise By | Jagrut   | Supervise On         | 4/29/2025 11:57:30 AM |
| SubDirectory | BM042825 | HP Acquire Method    | BNA_M                 |
|              |          | HP Processing Method | BM042825              |

| STD. NAME                | STD REF.#                                               |
|--------------------------|---------------------------------------------------------|
| Tune/Reschk              | SP6757                                                  |
| Initial Calibration Stds | SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729 |
| CCC                      | SP6725                                                  |
| Internal Standard/PEM    | S12661,10ul/1000ul sample                               |
| ICV/I.BLK                | SP6770                                                  |
| Surrogate Standard       |                                                         |
| MS/MSD Standard          |                                                         |
| LCS Standard             |                                                         |

| Sr# | SampleID    | ClientID    | Data File Name | Date-Time         | Comment                                              | Operator | Status |
|-----|-------------|-------------|----------------|-------------------|------------------------------------------------------|----------|--------|
| 1   | DFTPP       | DFTPP       | BM050023.D     | 28 Apr 2025 11:46 |                                                      | RC/JU    | Ok     |
| 2   | SSTDICC2.5  | SSTDICC2.5  | BM050024.D     | 28 Apr 2025 12:30 |                                                      | RC/JU    | Ok     |
| 3   | SSTDICC005  | SSTDICC005  | BM050025.D     | 28 Apr 2025 13:09 | Compound#32-41-54-56-65-70-7<br>7 removed from 5 ppm | RC/JU    | Ok,M   |
| 4   | SSTDICC010  | SSTDICC010  | BM050026.D     | 28 Apr 2025 13:48 |                                                      | RC/JU    | Ok,M   |
| 5   | SSTDICC020  | SSTDICC020  | BM050027.D     | 28 Apr 2025 14:27 |                                                      | RC/JU    | Ok,M   |
| 6   | SSTDICCC040 | SSTDICCC040 | BM050028.D     | 28 Apr 2025 15:06 | Compound#54 & 56 Kept on LR                          | RC/JU    | Ok     |
| 7   | SSTDICC050  | SSTDICC050  | BM050029.D     | 28 Apr 2025 15:45 |                                                      | RC/JU    | Ok     |
| 8   | SSTDICC060  | SSTDICC060  | BM050030.D     | 28 Apr 2025 16:24 |                                                      | RC/JU    | Ok     |
| 9   | SSTDICC080  | SSTDICC080  | BM050031.D     | 28 Apr 2025 17:04 |                                                      | RC/JU    | Ok     |
| 10  | SSTDICV040  | ICVBM042825 | BM050032.D     | 28 Apr 2025 17:43 |                                                      | RC/JU    | Ok,M   |
| 11  | PB167739BL  | PB167739BL  | BM050033.D     | 28 Apr 2025 19:40 | Analyzed for contamination<br>check                  | RC/JU    | Not Ok |

M : Manual Integration

Instrument ID: BNA\_M

**Daily Analysis Runlog For Sequence/QC Batch ID # BM050725**

|              |          |                      |                      |
|--------------|----------|----------------------|----------------------|
| Review By    | Rahul    | Review On            | 5/8/2025 9:31:30 AM  |
| Supervise By | Jagrut   | Supervise On         | 5/8/2025 11:19:09 AM |
| SubDirectory | BM050725 | HP Acquire Method    | BNA_M                |
|              |          | HP Processing Method | BM042825             |

| STD. NAME                | STD REF.#                                               |
|--------------------------|---------------------------------------------------------|
| Tune/Reschk              | SP6757                                                  |
| Initial Calibration Stds | SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729 |
| CCC                      | SP6725                                                  |
| Internal Standard/PEM    | S12663,10ul/1000ul sample                               |
| ICV/I.BLK                | SP6770                                                  |
| Surrogate Standard       |                                                         |
| MS/MSD Standard          |                                                         |
| LCS Standard             |                                                         |

| Sr# | SampleID   | ClientID          | Data File Name | Date-Time         | Comment          | Operator | Status   |
|-----|------------|-------------------|----------------|-------------------|------------------|----------|----------|
| 1   | DFTPP      | DFTPP             | BM050128.D     | 07 May 2025 09:17 |                  | RC/JU    | Ok       |
| 2   | SSTDCCC040 | SSTDCCC040        | BM050129.D     | 07 May 2025 09:56 |                  | RC/JU    | Ok       |
| 3   | PB167879BL | PB167879BL        | BM050130.D     | 07 May 2025 10:35 |                  | RC/JU    | Ok       |
| 4   | PB167879BS | PB167879BS        | BM050131.D     | 07 May 2025 11:14 |                  | RC/JU    | Ok,M     |
| 5   | Q1952-01DL | CLEAN-FILLDL      | BM050132.D     | 07 May 2025 12:33 |                  | RC/JU    | Ok,M     |
| 6   | Q1938-01   | LOWER-WALL-PILE-A | BM050133.D     | 07 May 2025 13:12 |                  | RC/JU    | Ok       |
| 7   | Q1945-01   | GB1W              | BM050134.D     | 07 May 2025 14:26 | Need 5X dilution | RC/JU    | Dilution |
| 8   | Q1945-02   | GB3W              | BM050135.D     | 07 May 2025 15:05 | Need 5X dilution | RC/JU    | Dilution |
| 9   | Q1956-07   | FB-05022025       | BM050136.D     | 07 May 2025 15:44 |                  | RC/JU    | Ok       |
| 10  | Q1945-01DL | GB1WDL            | BM050137.D     | 07 May 2025 16:24 |                  | RC/JU    | Ok,M     |
| 11  | Q1945-02DL | GB3WDL            | BM050138.D     | 07 May 2025 17:03 |                  | RC/JU    | Ok       |

M : Manual Integration



Instrument ID: BNA\_M

**Daily Analysis Runlog For Sequence/QC Batch ID # BM050825**

|              |          |                      |                     |
|--------------|----------|----------------------|---------------------|
| Review By    | Rahul    | Review On            | 5/9/2025 9:43:48 AM |
| Supervise By | Jagrut   | Supervise On         | 5/9/2025 3:41:05 PM |
| SubDirectory | BM050825 | HP Acquire Method    | BNA_M               |
|              |          | HP Processing Method | BM042825            |

| STD. NAME                | STD REF.#                                               |
|--------------------------|---------------------------------------------------------|
| Tune/Reschk              | SP6757                                                  |
| Initial Calibration Stds | SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729 |
| CCC                      | SP6725                                                  |
| Internal Standard/PEM    | S12663,10ul/1000ul sample                               |
| ICV/I.BLK                | SP6770                                                  |
| Surrogate Standard       |                                                         |
| MS/MSD Standard          |                                                         |
| LCS Standard             |                                                         |

| Sr# | SampleID    | ClientID       | Data File Name | Date-Time         | Comment | Operator | Status |
|-----|-------------|----------------|----------------|-------------------|---------|----------|--------|
| 1   | DFTPP       | DFTPP          | BM050139.D     | 08 May 2025 09:59 |         | RC/JU    | Ok     |
| 2   | SSTDCCC040  | SSTDCCC040     | BM050140.D     | 08 May 2025 10:41 |         | RC/JU    | Ok     |
| 3   | PB167889BL  | PB167889BL     | BM050141.D     | 08 May 2025 11:21 |         | RC/JU    | Ok     |
| 4   | PB167889BS  | PB167889BS     | BM050142.D     | 08 May 2025 12:00 |         | RC/JU    | Ok     |
| 5   | PB167889BSD | PB167889BSD    | BM050143.D     | 08 May 2025 12:39 |         | RC/JU    | Ok,M   |
| 6   | PB167851TB  | PB167851TB     | BM050144.D     | 08 May 2025 13:18 |         | RC/JU    | Ok     |
| 7   | Q1964-01    | MH-LL          | BM050145.D     | 08 May 2025 14:02 |         | RC/JU    | Ok     |
| 8   | Q1964-01MS  | MH-LLMS        | BM050146.D     | 08 May 2025 14:42 |         | RC/JU    | Ok     |
| 9   | Q1964-01MSD | MH-LLMSD       | BM050147.D     | 08 May 2025 15:21 |         | RC/JU    | Ok,M   |
| 10  | Q1966-02    | CONCRETE-2     | BM050148.D     | 08 May 2025 16:00 |         | RC/JU    | Ok     |
| 11  | Q1968-01    | MH-N           | BM050149.D     | 08 May 2025 16:39 |         | RC/JU    | Ok     |
| 12  | Q1972-13    | WC-B-7         | BM050150.D     | 08 May 2025 17:19 |         | RC/JU    | Ok     |
| 13  | Q1978-01    | 72-12016       | BM050151.D     | 08 May 2025 17:58 |         | RC/JU    | Ok     |
| 14  | Q1976-01    | VNJ-207        | BM050152.D     | 08 May 2025 18:37 |         | RC/JU    | Ok     |
| 15  | Q1972-21    | WC-B-1         | BM050153.D     | 08 May 2025 19:17 |         | RC/JU    | Ok,M   |
| 16  | Q1968-05    | MH-M           | BM050154.D     | 08 May 2025 19:56 |         | RC/JU    | Ok,M   |
| 17  | Q1969-01    | TR-06-05072025 | BM050155.D     | 08 May 2025 20:35 |         | RC/JU    | Ok     |

M : Manual Integration

SOP ID: M3510C,3580A-Extraction SVOC-20

Clean Up SOP #: N/A

Matrix: Water

Weigh By: N/A

Balance check: N/A

Balance ID: N/A

pH Strip Lot#: E3880

Extraction By: RJ

Filter By: RJ

pH Meter ID: N/A

Hood ID: 4,5,6,7

Extraction Start Date: 05/07/2025

Extraction Start Time: 08:53

Extraction End Date: 05/07/2025

Extraction End Time: 13:50

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          | SP6752              |
| Surrogate     | 1.0ML    | 100/150 PPM         | SP6754              |
| 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 |
|--------------------|----------------|------------|
| Methylene Chloride | N/A            | E3930      |
| Baked Na2SO4       | N/A            | EP2607     |
| 10N NaOH           | N/A            | EP2559     |
| H2SO4 1:1          | N/A            | EP2865     |
| 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:

1.5 ML Vial lot# 2210443. pH Adjusted<2 with 1:1 H2SO4 &>11 with 10 N NaOH.

KD Bath ID: WATER BATH-1,2

Envap ID: NEVAP-02

KD Bath Temperature: 60 °C

Envap Temperature: 40 °C

| Date / Time | Prepped Sample Relinquished By/Location | Received By/Location |
|-------------|-----------------------------------------|----------------------|
| 5/7/25      | RJ (Ext Lab)                            | Rolsvoc              |
| 13:55       | Preparation Group                       | Analysis Group       |

Analytical Method: M3510C,3580A-Extraction SVOC-20

Concentration Date: 05/07/2025

| Sample ID       | Client Sample ID | Test                | g / mL | PH | Surr/Spike By: |            | Final Vol.<br>(mL) | JarID | Comments | Prep<br>Pos |
|-----------------|------------------|---------------------|--------|----|----------------|------------|--------------------|-------|----------|-------------|
|                 |                  |                     |        |    | AddedBy        | VerifiedBy |                    |       |          |             |
| PB167889BL      | SBLK889          | SVOCMS<br>Group1    | 1000   | 6  | RUPESH         | ritesh     | 1                  |       |          | SEP-7       |
| PB167889BS      | SLCS889          | SVOCMS<br>Group1    | 1000   | 6  | RUPESH         | ritesh     | 1                  |       |          | 8           |
| PB167889BS<br>D | SLCSD889         | SVOCMS<br>Group1    | 1000   | 6  | RUPESH         | ritesh     | 1                  |       |          | 9           |
| Q1945-01        | GB1W             | SVOCMS<br>Group1    | 960    | 6  | RUPESH         | ritesh     | 1                  | D     |          | 10          |
| Q1945-02        | GB3W             | SVOCMS<br>Group1    | 840    | 6  | RUPESH         | ritesh     | 1                  | D     |          | 11          |
| Q1956-07        | FB-05022025      | SVOC-TCL BNA<br>-20 | 940    | 6  | RUPESH         | ritesh     | 1                  | I     |          | 12          |

RS  
517

1938812

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q1945      WorkList ID : 189359      Department : Extraction      Date : 05-07-2025 08:49:10

| Sample   | Customer Sample | Matrix | Test             | Preservative | Customer | Raw Sample Storage Location | Collect Date | Method |
|----------|-----------------|--------|------------------|--------------|----------|-----------------------------|--------------|--------|
| Q1945-01 | GB1W            | Water  | SVOCMS Group1    | Cool 4 deg C | GENV01   | L41                         | 05/02/2025   | 8270E  |
| Q1945-02 | GB3W            | Water  | SVOCMS Group1    | Cool 4 deg C | GENV01   | L41                         | 05/02/2025   | 8270E  |
| Q1956-07 | FB-05022025     | Water  | SVOC-TCL BNA -20 | Cool 4 deg C | CAMP02   | L31                         | 05/02/2025   | 8270E  |

Date/Time 5/7/25 8:50  
Raw Sample Received by: RS (Ext-66)  
Raw Sample Relinquished by: QJ SM

Date/Time 5/7/25 9:20  
Raw Sample Received by: CP SM  
Raw Sample Relinquished by: RS (Ext-66)

## LAB CHRONICLE

|                 |                 |                   |                       |
|-----------------|-----------------|-------------------|-----------------------|
| <b>OrderID:</b> | Q1945           | <b>OrderDate:</b> | 5/2/2025 11:14:00 AM  |
| <b>Client:</b>  | G Environmental | <b>Project:</b>   | Amsterdam             |
| <b>Contact:</b> | Gary Landis     | <b>Location:</b>  | L41,VOA Ref. #3 Water |

| LabID             | ClientID      | Matrix       | Test          | Method | Sample Date     | Prep Date | Anal Date | Received        |
|-------------------|---------------|--------------|---------------|--------|-----------------|-----------|-----------|-----------------|
| <b>Q1945-01</b>   | <b>GB1W</b>   | <b>Water</b> |               |        | <b>05/02/25</b> |           |           | <b>05/02/25</b> |
|                   |               |              | SVOCMS Group1 | 8270E  |                 | 05/07/25  | 05/07/25  |                 |
| <b>Q1945-01DL</b> | <b>GB1WDL</b> | <b>Water</b> |               |        | <b>05/02/25</b> |           |           | <b>05/02/25</b> |
|                   |               |              | SVOCMS Group1 | 8270E  |                 | 05/07/25  | 05/07/25  |                 |
| <b>Q1945-02</b>   | <b>GB3W</b>   | <b>Water</b> |               |        | <b>05/02/25</b> |           |           | <b>05/02/25</b> |
|                   |               |              | SVOCMS Group1 | 8270E  |                 | 05/07/25  | 05/07/25  |                 |
| <b>Q1945-02DL</b> | <b>GB3WDL</b> | <b>Water</b> |               |        | <b>05/02/25</b> |           |           | <b>05/02/25</b> |
|                   |               |              | SVOCMS Group1 | 8270E  |                 | 05/07/25  | 05/07/25  |                 |

### Hit Summary Sheet SW-846

**SDG No.:** Q1945 **Order ID:** Q1945  
**Client:** G Environmental **Project ID:** Amsterdam

| Sample ID               | Client ID | Matrix | Parameter | Concentration | C | MDL   | RDL  | Units |
|-------------------------|-----------|--------|-----------|---------------|---|-------|------|-------|
| <b>Client ID : GB1W</b> |           |        |           |               |   |       |      |       |
| Q1945-01                | GB1W      | Water  | Aluminum  | 33900         |   | 5.67  | 50.0 | ug/L  |
| Q1945-01                | GB1W      | Water  | Antimony  | 13.1          | J | 3.38  | 25.0 | ug/L  |
| Q1945-01                | GB1W      | Water  | Arsenic   | 412           |   | 2.56  | 10.0 | ug/L  |
| Q1945-01                | GB1W      | Water  | Barium    | 1960          |   | 7.28  | 50.0 | ug/L  |
| Q1945-01                | GB1W      | Water  | Beryllium | 3.04          |   | 0.28  | 3.00 | ug/L  |
| Q1945-01                | GB1W      | Water  | Cadmium   | 10.5          |   | 0.25  | 3.00 | ug/L  |
| Q1945-01                | GB1W      | Water  | Calcium   | 82100         |   | 117   | 1000 | ug/L  |
| Q1945-01                | GB1W      | Water  | Chromium  | 768           |   | 1.06  | 5.00 | ug/L  |
| Q1945-01                | GB1W      | Water  | Cobalt    | 23.2          |   | 1.13  | 15.0 | ug/L  |
| Q1945-01                | GB1W      | Water  | Copper    | 2310          |   | 2.30  | 10.0 | ug/L  |
| Q1945-01                | GB1W      | Water  | Iron      | 81000         |   | 11.7  | 50.0 | ug/L  |
| Q1945-01                | GB1W      | Water  | Lead      | 2010          |   | 1.15  | 6.00 | ug/L  |
| Q1945-01                | GB1W      | Water  | Magnesium | 13600         |   | 122   | 1000 | ug/L  |
| Q1945-01                | GB1W      | Water  | Manganese | 855           |   | 2.97  | 10.0 | ug/L  |
| Q1945-01                | GB1W      | Water  | Mercury   | 4.53          |   | 0.076 | 0.20 | ug/L  |
| Q1945-01                | GB1W      | Water  | Nickel    | 262           |   | 1.53  | 20.0 | ug/L  |
| Q1945-01                | GB1W      | Water  | Potassium | 12200         |   | 459   | 1000 | ug/L  |
| Q1945-01                | GB1W      | Water  | Silver    | 3.13          | J | 0.81  | 5.00 | ug/L  |
| Q1945-01                | GB1W      | Water  | Sodium    | 34700         |   | 434   | 1000 | ug/L  |
| Q1945-01                | GB1W      | Water  | Vanadium  | 79.5          |   | 3.13  | 20.0 | ug/L  |
| Q1945-01                | GB1W      | Water  | Zinc      | 27500         | D | 83.3  | 200  | ug/L  |



# SAMPLE DATA

## Report of Analysis

|                   |                 |                 |          |
|-------------------|-----------------|-----------------|----------|
| Client:           | G Environmental | Date Collected: | 05/02/25 |
| Project:          | Amsterdam       | Date Received:  | 05/02/25 |
| Client Sample ID: | GB1W            | SDG No.:        | Q1945    |
| Lab Sample ID:    | Q1945-01        | Matrix:         | Water    |
| Level (low/med):  | low             | % Solid:        | 0        |

| Cas       | Parameter | Conc. | Qua. | DF | MDL   | LOQ / CRQL | Units | Prep Date      | Date Ana.      | Ana Met. | Prep Met. |
|-----------|-----------|-------|------|----|-------|------------|-------|----------------|----------------|----------|-----------|
| 7429-90-5 | Aluminum  | 33900 |      | 1  | 5.67  | 50.0       | ug/L  | 05/05/25 11:05 | 05/05/25 21:51 | SW6010   | SW3010    |
| 7440-36-0 | Antimony  | 13.1  | J    | 1  | 3.38  | 25.0       | ug/L  | 05/05/25 11:05 | 05/05/25 21:51 | SW6010   | SW3010    |
| 7440-38-2 | Arsenic   | 412   |      | 1  | 2.56  | 10.0       | ug/L  | 05/05/25 11:05 | 05/05/25 21:51 | SW6010   | SW3010    |
| 7440-39-3 | Barium    | 1960  |      | 1  | 7.28  | 50.0       | ug/L  | 05/05/25 11:05 | 05/05/25 21:51 | SW6010   | SW3010    |
| 7440-41-7 | Beryllium | 3.04  |      | 1  | 0.28  | 3.00       | ug/L  | 05/05/25 11:05 | 05/05/25 21:51 | SW6010   | SW3010    |
| 7440-43-9 | Cadmium   | 10.5  |      | 1  | 0.25  | 3.00       | ug/L  | 05/05/25 11:05 | 05/05/25 21:51 | SW6010   | SW3010    |
| 7440-70-2 | Calcium   | 82100 |      | 1  | 117   | 1000       | ug/L  | 05/05/25 11:05 | 05/05/25 21:51 | SW6010   | SW3010    |
| 7440-47-3 | Chromium  | 768   |      | 1  | 1.06  | 5.00       | ug/L  | 05/05/25 11:05 | 05/05/25 21:51 | SW6010   | SW3010    |
| 7440-48-4 | Cobalt    | 23.2  |      | 1  | 1.13  | 15.0       | ug/L  | 05/05/25 11:05 | 05/05/25 21:51 | SW6010   | SW3010    |
| 7440-50-8 | Copper    | 2310  |      | 1  | 2.30  | 10.0       | ug/L  | 05/05/25 11:05 | 05/05/25 21:51 | SW6010   | SW3010    |
| 7439-89-6 | Iron      | 81000 |      | 1  | 11.7  | 50.0       | ug/L  | 05/05/25 11:05 | 05/05/25 21:51 | SW6010   | SW3010    |
| 7439-92-1 | Lead      | 2010  |      | 1  | 1.15  | 6.00       | ug/L  | 05/05/25 11:05 | 05/05/25 21:51 | SW6010   | SW3010    |
| 7439-95-4 | Magnesium | 13600 |      | 1  | 122   | 1000       | ug/L  | 05/05/25 11:05 | 05/05/25 21:51 | SW6010   | SW3010    |
| 7439-96-5 | Manganese | 855   |      | 1  | 2.97  | 10.0       | ug/L  | 05/05/25 11:05 | 05/05/25 21:51 | SW6010   | SW3010    |
| 7439-97-6 | Mercury   | 4.53  | N    | 1  | 0.076 | 0.20       | ug/L  | 05/05/25 07:20 | 05/05/25 13:01 | SW7470A  |           |
| 7440-02-0 | Nickel    | 262   |      | 1  | 1.53  | 20.0       | ug/L  | 05/05/25 11:05 | 05/05/25 21:51 | SW6010   | SW3010    |
| 7440-09-7 | Potassium | 12200 |      | 1  | 459   | 1000       | ug/L  | 05/05/25 11:05 | 05/05/25 21:51 | SW6010   | SW3010    |
| 7782-49-2 | Selenium  | 4.82  | U    | 1  | 4.82  | 10.0       | ug/L  | 05/05/25 11:05 | 05/05/25 21:51 | SW6010   | SW3010    |
| 7440-22-4 | Silver    | 3.13  | J    | 1  | 0.81  | 5.00       | ug/L  | 05/05/25 11:05 | 05/05/25 21:51 | SW6010   | SW3010    |
| 7440-23-5 | Sodium    | 34700 |      | 1  | 434   | 1000       | ug/L  | 05/05/25 11:05 | 05/05/25 21:51 | SW6010   | SW3010    |
| 7440-28-0 | Thallium  | 2.19  | U    | 1  | 2.19  | 20.0       | ug/L  | 05/05/25 11:05 | 05/05/25 21:51 | SW6010   | SW3010    |
| 7440-62-2 | Vanadium  | 79.5  |      | 1  | 3.13  | 20.0       | ug/L  | 05/05/25 11:05 | 05/05/25 21:51 | SW6010   | SW3010    |
| 7440-66-6 | Zinc      | 27500 | D    | 10 | 83.3  | 200        | ug/L  | 05/05/25 11:05 | 05/06/25 20:18 | SW6010   | SW3010    |

|               |             |                 |       |            |
|---------------|-------------|-----------------|-------|------------|
| Color Before: | Brown       | Clarity Before: | Clear | Texture:   |
| Color After:  | light Brown | Clarity After:  | Clear | 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**

| <b>Client:</b>   | G Environmental |                  |                     |              | <b>SDG No.:</b>  | Q1945 |                  |                  |               |
|------------------|-----------------|------------------|---------------------|--------------|------------------|-------|------------------|------------------|---------------|
| <b>Contract:</b> | GENV01          | <b>Lab Code:</b> | CHEM                |              | <b>Case No.:</b> | Q1945 | <b>SAS No.:</b>  | Q1945            |               |
| Sample ID        | Analyte         | Result<br>ug/L   | Acceptance<br>Limit | Conc<br>Qual | CRQL             | M     | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
| ICB114           | Mercury         | 0.20             | +/-0.20             | U            | 0.20             | CV    | 05/05/2025       | 11:18            | LB135662      |

**Metals**

- 3a -

**INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY**

| <b>Client:</b> G Environmental |                       | <b>SDG No.:</b> Q1945  |                       |              |      |    |                  |                  |               |
|--------------------------------|-----------------------|------------------------|-----------------------|--------------|------|----|------------------|------------------|---------------|
| <b>Contract:</b> GENV01        | <b>Lab Code:</b> CHEM | <b>Case No.:</b> Q1945 | <b>SAS No.:</b> Q1945 |              |      |    |                  |                  |               |
| Sample ID                      | Analyte               | Result<br>ug/L         | Acceptance<br>Limit   | Conc<br>Qual | CRQL | M  | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
| CCB71                          | Mercury               | 0.20                   | +/-0.20               | U            | 0.20 | CV | 05/05/2025       | 11:30            | LB135662      |
| CCB72                          | Mercury               | 0.20                   | +/-0.20               | U            | 0.20 | CV | 05/05/2025       | 12:03            | LB135662      |
| CCB73                          | Mercury               | 0.20                   | +/-0.20               | U            | 0.20 | CV | 05/05/2025       | 12:38            | LB135662      |
| CCB74                          | Mercury               | 0.20                   | +/-0.20               | U            | 0.20 | CV | 05/05/2025       | 13:06            | LB135662      |
| CCB75                          | Mercury               | 0.20                   | +/-0.20               | U            | 0.20 | CV | 05/05/2025       | 13:43            | LB135662      |
| CCB76                          | Mercury               | 0.20                   | +/-0.20               | U            | 0.20 | CV | 05/05/2025       | 13:55            | LB135662      |

**Metals**

- 3a -

**INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY**

| <b>Client:</b> G Environmental |                       | <b>SDG No.:</b> Q1945  |                       |              |      |   |                  |                  |               |
|--------------------------------|-----------------------|------------------------|-----------------------|--------------|------|---|------------------|------------------|---------------|
| <b>Contract:</b> GENV01        | <b>Lab Code:</b> CHEM | <b>Case No.:</b> Q1945 | <b>SAS No.:</b> Q1945 |              |      |   |                  |                  |               |
| 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 | 05/05/2025       | 14:41            | LB135674      |
|                                | Antimony              | 50.0                   | +/-50.0               | U            | 50.0 | P | 05/05/2025       | 14:41            | LB135674      |
|                                | Arsenic               | 20.0                   | +/-20.0               | U            | 20.0 | P | 05/05/2025       | 14:41            | LB135674      |
|                                | Barium                | 100                    | +/-100                | U            | 100  | P | 05/05/2025       | 14:41            | LB135674      |
|                                | Beryllium             | 6.00                   | +/-6.00               | U            | 6.00 | P | 05/05/2025       | 14:41            | LB135674      |
|                                | Cadmium               | 6.00                   | +/-6.00               | U            | 6.00 | P | 05/05/2025       | 14:41            | LB135674      |
|                                | Calcium               | 2000                   | +/-2000               | U            | 2000 | P | 05/05/2025       | 14:41            | LB135674      |
|                                | Chromium              | 10.0                   | +/-10.0               | U            | 10.0 | P | 05/05/2025       | 14:41            | LB135674      |
|                                | Cobalt                | 30.0                   | +/-30.0               | U            | 30.0 | P | 05/05/2025       | 14:41            | LB135674      |
|                                | Copper                | 20.0                   | +/-20.0               | U            | 20.0 | P | 05/05/2025       | 14:41            | LB135674      |
|                                | Iron                  | 100                    | +/-100                | U            | 100  | P | 05/05/2025       | 14:41            | LB135674      |
|                                | Lead                  | 12.0                   | +/-12.0               | U            | 12.0 | P | 05/05/2025       | 14:41            | LB135674      |
|                                | Magnesium             | 2000                   | +/-2000               | U            | 2000 | P | 05/05/2025       | 14:41            | LB135674      |
|                                | Manganese             | 20.0                   | +/-20.0               | U            | 20.0 | P | 05/05/2025       | 14:41            | LB135674      |
|                                | Nickel                | 40.0                   | +/-40.0               | U            | 40.0 | P | 05/05/2025       | 14:41            | LB135674      |
|                                | Potassium             | 2000                   | +/-2000               | U            | 2000 | P | 05/05/2025       | 14:41            | LB135674      |
|                                | Selenium              | 20.0                   | +/-20.0               | U            | 20.0 | P | 05/05/2025       | 14:41            | LB135674      |
|                                | Silver                | 10.0                   | +/-10.0               | U            | 10.0 | P | 05/05/2025       | 14:41            | LB135674      |
|                                | Sodium                | 2000                   | +/-2000               | U            | 2000 | P | 05/05/2025       | 14:41            | LB135674      |
|                                | Thallium              | 40.0                   | +/-40.0               | U            | 40.0 | P | 05/05/2025       | 14:41            | LB135674      |
|                                | Vanadium              | 40.0                   | +/-40.0               | U            | 40.0 | P | 05/05/2025       | 14:41            | LB135674      |
|                                | Zinc                  | 40.0                   | +/-40.0               | U            | 40.0 | P | 05/05/2025       | 14:41            | LB135674      |

**Metals**

- 3a -

**INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY**

| <b>Client:</b> G Environmental |                       | <b>SDG No.:</b> Q1945  |                       |              |      |   |                  |                  |               |
|--------------------------------|-----------------------|------------------------|-----------------------|--------------|------|---|------------------|------------------|---------------|
| <b>Contract:</b> GENV01        | <b>Lab Code:</b> CHEM | <b>Case No.:</b> Q1945 | <b>SAS No.:</b> Q1945 |              |      |   |                  |                  |               |
| 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 | 05/05/2025       | 15:26            | LB135674      |
|                                | Antimony              | 50.0                   | +/-50.0               | U            | 50.0 | P | 05/05/2025       | 15:26            | LB135674      |
|                                | Arsenic               | 20.0                   | +/-20.0               | U            | 20.0 | P | 05/05/2025       | 15:26            | LB135674      |
|                                | Barium                | 100                    | +/-100                | U            | 100  | P | 05/05/2025       | 15:26            | LB135674      |
|                                | Beryllium             | 6.00                   | +/-6.00               | U            | 6.00 | P | 05/05/2025       | 15:26            | LB135674      |
|                                | Cadmium               | 6.00                   | +/-6.00               | U            | 6.00 | P | 05/05/2025       | 15:26            | LB135674      |
|                                | Calcium               | 2000                   | +/-2000               | U            | 2000 | P | 05/05/2025       | 15:26            | LB135674      |
|                                | Chromium              | 10.0                   | +/-10.0               | U            | 10.0 | P | 05/05/2025       | 15:26            | LB135674      |
|                                | Cobalt                | 30.0                   | +/-30.0               | U            | 30.0 | P | 05/05/2025       | 15:26            | LB135674      |
|                                | Copper                | 20.0                   | +/-20.0               | U            | 20.0 | P | 05/05/2025       | 15:26            | LB135674      |
|                                | Iron                  | 100                    | +/-100                | U            | 100  | P | 05/05/2025       | 15:26            | LB135674      |
|                                | Lead                  | 12.0                   | +/-12.0               | U            | 12.0 | P | 05/05/2025       | 15:26            | LB135674      |
|                                | Magnesium             | 2000                   | +/-2000               | U            | 2000 | P | 05/05/2025       | 15:26            | LB135674      |
|                                | Manganese             | 20.0                   | +/-20.0               | U            | 20.0 | P | 05/05/2025       | 15:26            | LB135674      |
|                                | Nickel                | 40.0                   | +/-40.0               | U            | 40.0 | P | 05/05/2025       | 15:26            | LB135674      |
|                                | Potassium             | 2000                   | +/-2000               | U            | 2000 | P | 05/05/2025       | 15:26            | LB135674      |
|                                | Selenium              | 20.0                   | +/-20.0               | U            | 20.0 | P | 05/05/2025       | 15:26            | LB135674      |
|                                | Silver                | 10.0                   | +/-10.0               | U            | 10.0 | P | 05/05/2025       | 15:26            | LB135674      |
|                                | Sodium                | 2000                   | +/-2000               | U            | 2000 | P | 05/05/2025       | 15:26            | LB135674      |
|                                | Thallium              | 40.0                   | +/-40.0               | U            | 40.0 | P | 05/05/2025       | 15:26            | LB135674      |
|                                | Vanadium              | 40.0                   | +/-40.0               | U            | 40.0 | P | 05/05/2025       | 15:26            | LB135674      |
|                                | Zinc                  | 40.0                   | +/-40.0               | U            | 40.0 | P | 05/05/2025       | 15:26            | LB135674      |
| CCB02                          | Aluminum              | 100                    | +/-100                | U            | 100  | P | 05/05/2025       | 16:12            | LB135674      |
|                                | Antimony              | 50.0                   | +/-50.0               | U            | 50.0 | P | 05/05/2025       | 16:12            | LB135674      |
|                                | Arsenic               | 20.0                   | +/-20.0               | U            | 20.0 | P | 05/05/2025       | 16:12            | LB135674      |
|                                | Barium                | 100                    | +/-100                | U            | 100  | P | 05/05/2025       | 16:12            | LB135674      |
|                                | Beryllium             | 6.00                   | +/-6.00               | U            | 6.00 | P | 05/05/2025       | 16:12            | LB135674      |
|                                | Cadmium               | 6.00                   | +/-6.00               | U            | 6.00 | P | 05/05/2025       | 16:12            | LB135674      |
|                                | Calcium               | 2000                   | +/-2000               | U            | 2000 | P | 05/05/2025       | 16:12            | LB135674      |
|                                | Chromium              | 10.0                   | +/-10.0               | U            | 10.0 | P | 05/05/2025       | 16:12            | LB135674      |
|                                | Cobalt                | 30.0                   | +/-30.0               | U            | 30.0 | P | 05/05/2025       | 16:12            | LB135674      |
|                                | Copper                | 20.0                   | +/-20.0               | U            | 20.0 | P | 05/05/2025       | 16:12            | LB135674      |
|                                | Iron                  | 100                    | +/-100                | U            | 100  | P | 05/05/2025       | 16:12            | LB135674      |
|                                | Lead                  | 12.0                   | +/-12.0               | U            | 12.0 | P | 05/05/2025       | 16:12            | LB135674      |
|                                | Magnesium             | 2000                   | +/-2000               | U            | 2000 | P | 05/05/2025       | 16:12            | LB135674      |
|                                | Manganese             | 20.0                   | +/-20.0               | U            | 20.0 | P | 05/05/2025       | 16:12            | LB135674      |
|                                | Nickel                | 40.0                   | +/-40.0               | U            | 40.0 | P | 05/05/2025       | 16:12            | LB135674      |
|                                | Potassium             | 2000                   | +/-2000               | U            | 2000 | P | 05/05/2025       | 16:12            | LB135674      |
|                                | Selenium              | 20.0                   | +/-20.0               | U            | 20.0 | P | 05/05/2025       | 16:12            | LB135674      |

## Metals

- 3a -

### INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

| <b>Client:</b> G Environmental |                       | <b>SDG No.:</b> Q1945  |                       |              |      |   |                  |                  |               |
|--------------------------------|-----------------------|------------------------|-----------------------|--------------|------|---|------------------|------------------|---------------|
| <b>Contract:</b> GENV01        | <b>Lab Code:</b> CHEM | <b>Case No.:</b> Q1945 | <b>SAS No.:</b> Q1945 |              |      |   |                  |                  |               |
| 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 | 05/05/2025       | 16:12            | LB135674      |
|                                | Sodium                | 2000                   | +/-2000               | U            | 2000 | P | 05/05/2025       | 16:12            | LB135674      |
|                                | Thallium              | 40.0                   | +/-40.0               | U            | 40.0 | P | 05/05/2025       | 16:12            | LB135674      |
|                                | Vanadium              | 40.0                   | +/-40.0               | U            | 40.0 | P | 05/05/2025       | 16:12            | LB135674      |
|                                | Zinc                  | 40.0                   | +/-40.0               | U            | 40.0 | P | 05/05/2025       | 16:12            | LB135674      |
| CCB03                          | Aluminum              | 100                    | +/-100                | U            | 100  | P | 05/05/2025       | 17:00            | LB135674      |
|                                | Antimony              | 50.0                   | +/-50.0               | U            | 50.0 | P | 05/05/2025       | 17:00            | LB135674      |
|                                | Arsenic               | 20.0                   | +/-20.0               | U            | 20.0 | P | 05/05/2025       | 17:00            | LB135674      |
|                                | Barium                | 100                    | +/-100                | U            | 100  | P | 05/05/2025       | 17:00            | LB135674      |
|                                | Beryllium             | 6.00                   | +/-6.00               | U            | 6.00 | P | 05/05/2025       | 17:00            | LB135674      |
|                                | Cadmium               | 6.00                   | +/-6.00               | U            | 6.00 | P | 05/05/2025       | 17:00            | LB135674      |
|                                | Calcium               | 2000                   | +/-2000               | U            | 2000 | P | 05/05/2025       | 17:00            | LB135674      |
|                                | Chromium              | 10.0                   | +/-10.0               | U            | 10.0 | P | 05/05/2025       | 17:00            | LB135674      |
|                                | Cobalt                | 30.0                   | +/-30.0               | U            | 30.0 | P | 05/05/2025       | 17:00            | LB135674      |
|                                | Copper                | 20.0                   | +/-20.0               | U            | 20.0 | P | 05/05/2025       | 17:00            | LB135674      |
|                                | Iron                  | 100                    | +/-100                | U            | 100  | P | 05/05/2025       | 17:00            | LB135674      |
|                                | Lead                  | 12.0                   | +/-12.0               | U            | 12.0 | P | 05/05/2025       | 17:00            | LB135674      |
|                                | Magnesium             | 2000                   | +/-2000               | U            | 2000 | P | 05/05/2025       | 17:00            | LB135674      |
|                                | Manganese             | 20.0                   | +/-20.0               | U            | 20.0 | P | 05/05/2025       | 17:00            | LB135674      |
|                                | Nickel                | 40.0                   | +/-40.0               | U            | 40.0 | P | 05/05/2025       | 17:00            | LB135674      |
|                                | Potassium             | 2000                   | +/-2000               | U            | 2000 | P | 05/05/2025       | 17:00            | LB135674      |
|                                | Selenium              | 20.0                   | +/-20.0               | U            | 20.0 | P | 05/05/2025       | 17:00            | LB135674      |
|                                | Silver                | 10.0                   | +/-10.0               | U            | 10.0 | P | 05/05/2025       | 17:00            | LB135674      |
|                                | Sodium                | 2000                   | +/-2000               | U            | 2000 | P | 05/05/2025       | 17:00            | LB135674      |
|                                | Thallium              | 40.0                   | +/-40.0               | U            | 40.0 | P | 05/05/2025       | 17:00            | LB135674      |
|                                | Vanadium              | 40.0                   | +/-40.0               | U            | 40.0 | P | 05/05/2025       | 17:00            | LB135674      |
|                                | Zinc                  | 40.0                   | +/-40.0               | U            | 40.0 | P | 05/05/2025       | 17:00            | LB135674      |
| CCB04                          | Aluminum              | 100                    | +/-100                | U            | 100  | P | 05/05/2025       | 17:59            | LB135674      |
|                                | Antimony              | 50.0                   | +/-50.0               | U            | 50.0 | P | 05/05/2025       | 17:59            | LB135674      |
|                                | Arsenic               | 20.0                   | +/-20.0               | U            | 20.0 | P | 05/05/2025       | 17:59            | LB135674      |
|                                | Barium                | 100                    | +/-100                | U            | 100  | P | 05/05/2025       | 17:59            | LB135674      |
|                                | Beryllium             | 6.00                   | +/-6.00               | U            | 6.00 | P | 05/05/2025       | 17:59            | LB135674      |
|                                | Cadmium               | 6.00                   | +/-6.00               | U            | 6.00 | P | 05/05/2025       | 17:59            | LB135674      |
|                                | Calcium               | 2000                   | +/-2000               | U            | 2000 | P | 05/05/2025       | 17:59            | LB135674      |
|                                | Chromium              | 10.0                   | +/-10.0               | U            | 10.0 | P | 05/05/2025       | 17:59            | LB135674      |
|                                | Cobalt                | 30.0                   | +/-30.0               | U            | 30.0 | P | 05/05/2025       | 17:59            | LB135674      |
|                                | Copper                | 20.0                   | +/-20.0               | U            | 20.0 | P | 05/05/2025       | 17:59            | LB135674      |
|                                | Iron                  | 100                    | +/-100                | U            | 100  | P | 05/05/2025       | 17:59            | LB135674      |
|                                | Lead                  | 12.0                   | +/-12.0               | U            | 12.0 | P | 05/05/2025       | 17:59            | LB135674      |

## Metals

- 3a -

### INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

| Client: G Environmental |                | SDG No.: Q1945  |                  |           |      |   |               |               |            |
|-------------------------|----------------|-----------------|------------------|-----------|------|---|---------------|---------------|------------|
| Contract: GENV01        | Lab Code: CHEM | Case No.: Q1945 | SAS No.: Q1945   |           |      |   |               |               |            |
| Sample ID               | Analyte        | Result ug/L     | Acceptance Limit | Conc Qual | CRQL | M | Analysis Date | Analysis Time | Run Number |
| CCB04                   | Magnesium      | 2000            | +/-2000          | U         | 2000 | P | 05/05/2025    | 17:59         | LB135674   |
|                         | Manganese      | 20.0            | +/-20.0          | U         | 20.0 | P | 05/05/2025    | 17:59         | LB135674   |
|                         | Nickel         | 40.0            | +/-40.0          | U         | 40.0 | P | 05/05/2025    | 17:59         | LB135674   |
|                         | Potassium      | 2000            | +/-2000          | U         | 2000 | P | 05/05/2025    | 17:59         | LB135674   |
|                         | Selenium       | 20.0            | +/-20.0          | U         | 20.0 | P | 05/05/2025    | 17:59         | LB135674   |
|                         | Silver         | 10.0            | +/-10.0          | U         | 10.0 | P | 05/05/2025    | 17:59         | LB135674   |
|                         | Sodium         | 2000            | +/-2000          | U         | 2000 | P | 05/05/2025    | 17:59         | LB135674   |
|                         | Thallium       | 40.0            | +/-40.0          | U         | 40.0 | P | 05/05/2025    | 17:59         | LB135674   |
|                         | Vanadium       | 40.0            | +/-40.0          | U         | 40.0 | P | 05/05/2025    | 17:59         | LB135674   |
|                         | Zinc           | 40.0            | +/-40.0          | U         | 40.0 | P | 05/05/2025    | 17:59         | LB135674   |
| CCB05                   | Aluminum       | 100             | +/-100           | U         | 100  | P | 05/05/2025    | 18:47         | LB135674   |
|                         | Antimony       | 50.0            | +/-50.0          | U         | 50.0 | P | 05/05/2025    | 18:47         | LB135674   |
|                         | Arsenic        | 20.0            | +/-20.0          | U         | 20.0 | P | 05/05/2025    | 18:47         | LB135674   |
|                         | Barium         | 100             | +/-100           | U         | 100  | P | 05/05/2025    | 18:47         | LB135674   |
|                         | Beryllium      | 6.00            | +/-6.00          | U         | 6.00 | P | 05/05/2025    | 18:47         | LB135674   |
|                         | Cadmium        | 6.00            | +/-6.00          | U         | 6.00 | P | 05/05/2025    | 18:47         | LB135674   |
|                         | Calcium        | 2000            | +/-2000          | U         | 2000 | P | 05/05/2025    | 18:47         | LB135674   |
|                         | Chromium       | 10.0            | +/-10.0          | U         | 10.0 | P | 05/05/2025    | 18:47         | LB135674   |
|                         | Cobalt         | 30.0            | +/-30.0          | U         | 30.0 | P | 05/05/2025    | 18:47         | LB135674   |
|                         | Copper         | 20.0            | +/-20.0          | U         | 20.0 | P | 05/05/2025    | 18:47         | LB135674   |
|                         | Iron           | 100             | +/-100           | U         | 100  | P | 05/05/2025    | 18:47         | LB135674   |
|                         | Lead           | 12.0            | +/-12.0          | U         | 12.0 | P | 05/05/2025    | 18:47         | LB135674   |
|                         | Magnesium      | 2000            | +/-2000          | U         | 2000 | P | 05/05/2025    | 18:47         | LB135674   |
|                         | Manganese      | 20.0            | +/-20.0          | U         | 20.0 | P | 05/05/2025    | 18:47         | LB135674   |
|                         | Nickel         | 40.0            | +/-40.0          | U         | 40.0 | P | 05/05/2025    | 18:47         | LB135674   |
|                         | Potassium      | 2000            | +/-2000          | U         | 2000 | P | 05/05/2025    | 18:47         | LB135674   |
|                         | Selenium       | 20.0            | +/-20.0          | U         | 20.0 | P | 05/05/2025    | 18:47         | LB135674   |
|                         | Silver         | 10.0            | +/-10.0          | U         | 10.0 | P | 05/05/2025    | 18:47         | LB135674   |
|                         | Sodium         | 2000            | +/-2000          | U         | 2000 | P | 05/05/2025    | 18:47         | LB135674   |
|                         | Thallium       | 40.0            | +/-40.0          | U         | 40.0 | P | 05/05/2025    | 18:47         | LB135674   |
|                         | Vanadium       | 40.0            | +/-40.0          | U         | 40.0 | P | 05/05/2025    | 18:47         | LB135674   |
|                         | Zinc           | 40.0            | +/-40.0          | U         | 40.0 | P | 05/05/2025    | 18:47         | LB135674   |
| CCB06                   | Aluminum       | 100             | +/-100           | U         | 100  | P | 05/05/2025    | 19:37         | LB135674   |
|                         | Antimony       | 50.0            | +/-50.0          | U         | 50.0 | P | 05/05/2025    | 19:37         | LB135674   |
|                         | Arsenic        | 20.0            | +/-20.0          | U         | 20.0 | P | 05/05/2025    | 19:37         | LB135674   |
|                         | Barium         | 100             | +/-100           | U         | 100  | P | 05/05/2025    | 19:37         | LB135674   |
|                         | Beryllium      | 6.00            | +/-6.00          | U         | 6.00 | P | 05/05/2025    | 19:37         | LB135674   |
|                         | Cadmium        | 6.00            | +/-6.00          | U         | 6.00 | P | 05/05/2025    | 19:37         | LB135674   |
|                         | Calcium        | 2000            | +/-2000          | U         | 2000 | P | 05/05/2025    | 19:37         | LB135674   |

**Metals**

- 3a -

**INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY**

| <b>Client:</b> G Environmental |                       | <b>SDG No.:</b> Q1945  |                       |              |      |   |                  |                  |               |
|--------------------------------|-----------------------|------------------------|-----------------------|--------------|------|---|------------------|------------------|---------------|
| <b>Contract:</b> GENV01        | <b>Lab Code:</b> CHEM | <b>Case No.:</b> Q1945 | <b>SAS No.:</b> Q1945 |              |      |   |                  |                  |               |
| Sample ID                      | Analyte               | Result<br>ug/L         | Acceptance<br>Limit   | Conc<br>Qual | CRQL | M | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
| CCB06                          | Chromium              | 10.0                   | +/-10.0               | U            | 10.0 | P | 05/05/2025       | 19:37            | LB135674      |
|                                | Cobalt                | 30.0                   | +/-30.0               | U            | 30.0 | P | 05/05/2025       | 19:37            | LB135674      |
|                                | Copper                | 20.0                   | +/-20.0               | U            | 20.0 | P | 05/05/2025       | 19:37            | LB135674      |
|                                | Iron                  | 100                    | +/-100                | U            | 100  | P | 05/05/2025       | 19:37            | LB135674      |
|                                | Lead                  | 12.0                   | +/-12.0               | U            | 12.0 | P | 05/05/2025       | 19:37            | LB135674      |
|                                | Magnesium             | 2000                   | +/-2000               | U            | 2000 | P | 05/05/2025       | 19:37            | LB135674      |
|                                | Manganese             | 20.0                   | +/-20.0               | U            | 20.0 | P | 05/05/2025       | 19:37            | LB135674      |
|                                | Nickel                | 40.0                   | +/-40.0               | U            | 40.0 | P | 05/05/2025       | 19:37            | LB135674      |
|                                | Potassium             | 2000                   | +/-2000               | U            | 2000 | P | 05/05/2025       | 19:37            | LB135674      |
|                                | Selenium              | 20.0                   | +/-20.0               | U            | 20.0 | P | 05/05/2025       | 19:37            | LB135674      |
|                                | Silver                | 10.0                   | +/-10.0               | U            | 10.0 | P | 05/05/2025       | 19:37            | LB135674      |
|                                | Sodium                | 2000                   | +/-2000               | U            | 2000 | P | 05/05/2025       | 19:37            | LB135674      |
|                                | Thallium              | 40.0                   | +/-40.0               | U            | 40.0 | P | 05/05/2025       | 19:37            | LB135674      |
|                                | Vanadium              | 40.0                   | +/-40.0               | U            | 40.0 | P | 05/05/2025       | 19:37            | LB135674      |
|                                | Zinc                  | 40.0                   | +/-40.0               | U            | 40.0 | P | 05/05/2025       | 19:37            | LB135674      |
| CCB07                          | Aluminum              | 100                    | +/-100                | U            | 100  | P | 05/05/2025       | 20:23            | LB135674      |
|                                | Antimony              | 50.0                   | +/-50.0               | U            | 50.0 | P | 05/05/2025       | 20:23            | LB135674      |
|                                | Arsenic               | 20.0                   | +/-20.0               | U            | 20.0 | P | 05/05/2025       | 20:23            | LB135674      |
|                                | Barium                | 100                    | +/-100                | U            | 100  | P | 05/05/2025       | 20:23            | LB135674      |
|                                | Beryllium             | 6.00                   | +/-6.00               | U            | 6.00 | P | 05/05/2025       | 20:23            | LB135674      |
|                                | Cadmium               | 6.00                   | +/-6.00               | U            | 6.00 | P | 05/05/2025       | 20:23            | LB135674      |
|                                | Calcium               | 2000                   | +/-2000               | U            | 2000 | P | 05/05/2025       | 20:23            | LB135674      |
|                                | Chromium              | 10.0                   | +/-10.0               | U            | 10.0 | P | 05/05/2025       | 20:23            | LB135674      |
|                                | Cobalt                | 30.0                   | +/-30.0               | U            | 30.0 | P | 05/05/2025       | 20:23            | LB135674      |
|                                | Copper                | 20.0                   | +/-20.0               | U            | 20.0 | P | 05/05/2025       | 20:23            | LB135674      |
|                                | Iron                  | 100                    | +/-100                | U            | 100  | P | 05/05/2025       | 20:23            | LB135674      |
|                                | Lead                  | 12.0                   | +/-12.0               | U            | 12.0 | P | 05/05/2025       | 20:23            | LB135674      |
|                                | Magnesium             | 2000                   | +/-2000               | U            | 2000 | P | 05/05/2025       | 20:23            | LB135674      |
|                                | Manganese             | 20.0                   | +/-20.0               | U            | 20.0 | P | 05/05/2025       | 20:23            | LB135674      |
|                                | Nickel                | 40.0                   | +/-40.0               | U            | 40.0 | P | 05/05/2025       | 20:23            | LB135674      |
|                                | Potassium             | 2000                   | +/-2000               | U            | 2000 | P | 05/05/2025       | 20:23            | LB135674      |
|                                | Selenium              | 20.0                   | +/-20.0               | U            | 20.0 | P | 05/05/2025       | 20:23            | LB135674      |
|                                | Silver                | 10.0                   | +/-10.0               | U            | 10.0 | P | 05/05/2025       | 20:23            | LB135674      |
|                                | Sodium                | 2000                   | +/-2000               | U            | 2000 | P | 05/05/2025       | 20:23            | LB135674      |
|                                | Thallium              | 40.0                   | +/-40.0               | U            | 40.0 | P | 05/05/2025       | 20:23            | LB135674      |
|                                | Vanadium              | 40.0                   | +/-40.0               | U            | 40.0 | P | 05/05/2025       | 20:23            | LB135674      |
|                                | Zinc                  | 40.0                   | +/-40.0               | U            | 40.0 | P | 05/05/2025       | 20:23            | LB135674      |
| CCB08                          | Aluminum              | 100                    | +/-100                | U            | 100  | P | 05/05/2025       | 21:12            | LB135674      |
|                                | Antimony              | 50.0                   | +/-50.0               | U            | 50.0 | P | 05/05/2025       | 21:12            | LB135674      |

**Metals**

- 3a -

**INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY**

| <b>Client:</b> G Environmental |                       | <b>SDG No.:</b> Q1945  |                       |              |      |   |                  |                  |               |
|--------------------------------|-----------------------|------------------------|-----------------------|--------------|------|---|------------------|------------------|---------------|
| <b>Contract:</b> GENV01        | <b>Lab Code:</b> CHEM | <b>Case No.:</b> Q1945 | <b>SAS No.:</b> Q1945 |              |      |   |                  |                  |               |
| Sample ID                      | Analyte               | Result<br>ug/L         | Acceptance<br>Limit   | Conc<br>Qual | CRQL | M | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
| CCB08                          | Arsenic               | 20.0                   | +/-20.0               | U            | 20.0 | P | 05/05/2025       | 21:12            | LB135674      |
|                                | Barium                | 100                    | +/-100                | U            | 100  | P | 05/05/2025       | 21:12            | LB135674      |
|                                | Beryllium             | 6.00                   | +/-6.00               | U            | 6.00 | P | 05/05/2025       | 21:12            | LB135674      |
|                                | Cadmium               | 6.00                   | +/-6.00               | U            | 6.00 | P | 05/05/2025       | 21:12            | LB135674      |
|                                | Calcium               | 2000                   | +/-2000               | U            | 2000 | P | 05/05/2025       | 21:12            | LB135674      |
|                                | Chromium              | 10.0                   | +/-10.0               | U            | 10.0 | P | 05/05/2025       | 21:12            | LB135674      |
|                                | Cobalt                | 30.0                   | +/-30.0               | U            | 30.0 | P | 05/05/2025       | 21:12            | LB135674      |
|                                | Copper                | 20.0                   | +/-20.0               | U            | 20.0 | P | 05/05/2025       | 21:12            | LB135674      |
|                                | Iron                  | 100                    | +/-100                | U            | 100  | P | 05/05/2025       | 21:12            | LB135674      |
|                                | Lead                  | 12.0                   | +/-12.0               | U            | 12.0 | P | 05/05/2025       | 21:12            | LB135674      |
|                                | Magnesium             | 2000                   | +/-2000               | U            | 2000 | P | 05/05/2025       | 21:12            | LB135674      |
|                                | Manganese             | 20.0                   | +/-20.0               | U            | 20.0 | P | 05/05/2025       | 21:12            | LB135674      |
|                                | Nickel                | 40.0                   | +/-40.0               | U            | 40.0 | P | 05/05/2025       | 21:12            | LB135674      |
|                                | Potassium             | 2000                   | +/-2000               | U            | 2000 | P | 05/05/2025       | 21:12            | LB135674      |
|                                | Selenium              | 20.0                   | +/-20.0               | U            | 20.0 | P | 05/05/2025       | 21:12            | LB135674      |
|                                | Silver                | 10.0                   | +/-10.0               | U            | 10.0 | P | 05/05/2025       | 21:12            | LB135674      |
|                                | Sodium                | 2000                   | +/-2000               | U            | 2000 | P | 05/05/2025       | 21:12            | LB135674      |
|                                | Thallium              | 40.0                   | +/-40.0               | U            | 40.0 | P | 05/05/2025       | 21:12            | LB135674      |
|                                | Vanadium              | 40.0                   | +/-40.0               | U            | 40.0 | P | 05/05/2025       | 21:12            | LB135674      |
|                                | Zinc                  | 40.0                   | +/-40.0               | U            | 40.0 | P | 05/05/2025       | 21:12            | LB135674      |
| CCB09                          | Aluminum              | 100                    | +/-100                | U            | 100  | P | 05/05/2025       | 22:03            | LB135674      |
|                                | Antimony              | 50.0                   | +/-50.0               | U            | 50.0 | P | 05/05/2025       | 22:03            | LB135674      |
|                                | Arsenic               | 20.0                   | +/-20.0               | U            | 20.0 | P | 05/05/2025       | 22:03            | LB135674      |
|                                | Barium                | 100                    | +/-100                | U            | 100  | P | 05/05/2025       | 22:03            | LB135674      |
|                                | Beryllium             | 6.00                   | +/-6.00               | U            | 6.00 | P | 05/05/2025       | 22:03            | LB135674      |
|                                | Cadmium               | 6.00                   | +/-6.00               | U            | 6.00 | P | 05/05/2025       | 22:03            | LB135674      |
|                                | Calcium               | 2000                   | +/-2000               | U            | 2000 | P | 05/05/2025       | 22:03            | LB135674      |
|                                | Chromium              | 10.0                   | +/-10.0               | U            | 10.0 | P | 05/05/2025       | 22:03            | LB135674      |
|                                | Cobalt                | 30.0                   | +/-30.0               | U            | 30.0 | P | 05/05/2025       | 22:03            | LB135674      |
|                                | Copper                | 20.0                   | +/-20.0               | U            | 20.0 | P | 05/05/2025       | 22:03            | LB135674      |
|                                | Iron                  | 100                    | +/-100                | U            | 100  | P | 05/05/2025       | 22:03            | LB135674      |
|                                | Lead                  | 12.0                   | +/-12.0               | U            | 12.0 | P | 05/05/2025       | 22:03            | LB135674      |
|                                | Magnesium             | 2000                   | +/-2000               | U            | 2000 | P | 05/05/2025       | 22:03            | LB135674      |
|                                | Manganese             | 20.0                   | +/-20.0               | U            | 20.0 | P | 05/05/2025       | 22:03            | LB135674      |
|                                | Nickel                | 40.0                   | +/-40.0               | U            | 40.0 | P | 05/05/2025       | 22:03            | LB135674      |
|                                | Potassium             | 2000                   | +/-2000               | U            | 2000 | P | 05/05/2025       | 22:03            | LB135674      |
|                                | Selenium              | 20.0                   | +/-20.0               | U            | 20.0 | P | 05/05/2025       | 22:03            | LB135674      |
|                                | Silver                | 10.0                   | +/-10.0               | U            | 10.0 | P | 05/05/2025       | 22:03            | LB135674      |
|                                | Sodium                | 2000                   | +/-2000               | U            | 2000 | P | 05/05/2025       | 22:03            | LB135674      |



**Metals**

- 3a -

**INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY**

| <b>Client:</b> G Environmental |                       | <b>SDG No.:</b> Q1945  |                       |              |      |   |                  |                  |               |
|--------------------------------|-----------------------|------------------------|-----------------------|--------------|------|---|------------------|------------------|---------------|
| <b>Contract:</b> GENV01        | <b>Lab Code:</b> CHEM | <b>Case No.:</b> Q1945 | <b>SAS No.:</b> Q1945 |              |      |   |                  |                  |               |
| Sample ID                      | Analyte               | Result<br>ug/L         | Acceptance<br>Limit   | Conc<br>Qual | CRQL | M | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
| CCB09                          | Thallium              | 40.0                   | +/-40.0               | U            | 40.0 | P | 05/05/2025       | 22:03            | LB135674      |
|                                | Vanadium              | 40.0                   | +/-40.0               | U            | 40.0 | P | 05/05/2025       | 22:03            | LB135674      |
|                                | Zinc                  | 40.0                   | +/-40.0               | U            | 40.0 | P | 05/05/2025       | 22:03            | LB135674      |
| CCB10                          | Aluminum              | 100                    | +/-100                | U            | 100  | P | 05/05/2025       | 22:37            | LB135674      |
|                                | Antimony              | 50.0                   | +/-50.0               | U            | 50.0 | P | 05/05/2025       | 22:37            | LB135674      |
|                                | Arsenic               | 20.0                   | +/-20.0               | U            | 20.0 | P | 05/05/2025       | 22:37            | LB135674      |
|                                | Barium                | 100                    | +/-100                | U            | 100  | P | 05/05/2025       | 22:37            | LB135674      |
|                                | Beryllium             | 6.00                   | +/-6.00               | U            | 6.00 | P | 05/05/2025       | 22:37            | LB135674      |
|                                | Cadmium               | 6.00                   | +/-6.00               | U            | 6.00 | P | 05/05/2025       | 22:37            | LB135674      |
|                                | Calcium               | 2000                   | +/-2000               | U            | 2000 | P | 05/05/2025       | 22:37            | LB135674      |
|                                | Chromium              | 10.0                   | +/-10.0               | U            | 10.0 | P | 05/05/2025       | 22:37            | LB135674      |
|                                | Cobalt                | 30.0                   | +/-30.0               | U            | 30.0 | P | 05/05/2025       | 22:37            | LB135674      |
|                                | Copper                | 20.0                   | +/-20.0               | U            | 20.0 | P | 05/05/2025       | 22:37            | LB135674      |
|                                | Iron                  | 100                    | +/-100                | U            | 100  | P | 05/05/2025       | 22:37            | LB135674      |
|                                | Lead                  | 12.0                   | +/-12.0               | U            | 12.0 | P | 05/05/2025       | 22:37            | LB135674      |
|                                | Magnesium             | 2000                   | +/-2000               | U            | 2000 | P | 05/05/2025       | 22:37            | LB135674      |
|                                | Manganese             | 20.0                   | +/-20.0               | U            | 20.0 | P | 05/05/2025       | 22:37            | LB135674      |
|                                | Nickel                | 40.0                   | +/-40.0               | U            | 40.0 | P | 05/05/2025       | 22:37            | LB135674      |
|                                | Potassium             | 2000                   | +/-2000               | U            | 2000 | P | 05/05/2025       | 22:37            | LB135674      |
|                                | Selenium              | 20.0                   | +/-20.0               | U            | 20.0 | P | 05/05/2025       | 22:37            | LB135674      |
|                                | Silver                | 10.0                   | +/-10.0               | U            | 10.0 | P | 05/05/2025       | 22:37            | LB135674      |
|                                | Sodium                | 2000                   | +/-2000               | U            | 2000 | P | 05/05/2025       | 22:37            | LB135674      |
|                                | Thallium              | 40.0                   | +/-40.0               | U            | 40.0 | P | 05/05/2025       | 22:37            | LB135674      |
|                                | Vanadium              | 40.0                   | +/-40.0               | U            | 40.0 | P | 05/05/2025       | 22:37            | LB135674      |
|                                | Zinc                  | 40.0                   | +/-40.0               | U            | 40.0 | P | 05/05/2025       | 22:37            | LB135674      |

**Metals**

- 3a -

**INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY**

| <b>Client:</b> G Environmental |                       | <b>SDG No.:</b> Q1945  |                       |              |      |   |                  |                  |               |
|--------------------------------|-----------------------|------------------------|-----------------------|--------------|------|---|------------------|------------------|---------------|
| <b>Contract:</b> GENV01        | <b>Lab Code:</b> CHEM | <b>Case No.:</b> Q1945 | <b>SAS No.:</b> Q1945 |              |      |   |                  |                  |               |
| 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 | 05/06/2025       | 15:27            | LB135689      |
|                                | Antimony              | 50.0                   | +/-50.0               | U            | 50.0 | P | 05/06/2025       | 15:27            | LB135689      |
|                                | Arsenic               | 20.0                   | +/-20.0               | U            | 20.0 | P | 05/06/2025       | 15:27            | LB135689      |
|                                | Barium                | 100                    | +/-100                | U            | 100  | P | 05/06/2025       | 15:27            | LB135689      |
|                                | Beryllium             | 6.00                   | +/-6.00               | U            | 6.00 | P | 05/06/2025       | 15:27            | LB135689      |
|                                | Cadmium               | 6.00                   | +/-6.00               | U            | 6.00 | P | 05/06/2025       | 15:27            | LB135689      |
|                                | Calcium               | 2000                   | +/-2000               | U            | 2000 | P | 05/06/2025       | 15:27            | LB135689      |
|                                | Chromium              | 10.0                   | +/-10.0               | U            | 10.0 | P | 05/06/2025       | 15:27            | LB135689      |
|                                | Cobalt                | 30.0                   | +/-30.0               | U            | 30.0 | P | 05/06/2025       | 15:27            | LB135689      |
|                                | Copper                | 20.0                   | +/-20.0               | U            | 20.0 | P | 05/06/2025       | 15:27            | LB135689      |
|                                | Iron                  | 100                    | +/-100                | U            | 100  | P | 05/06/2025       | 15:27            | LB135689      |
|                                | Lead                  | 12.0                   | +/-12.0               | U            | 12.0 | P | 05/06/2025       | 15:27            | LB135689      |
|                                | Magnesium             | 2000                   | +/-2000               | U            | 2000 | P | 05/06/2025       | 15:27            | LB135689      |
|                                | Manganese             | 20.0                   | +/-20.0               | U            | 20.0 | P | 05/06/2025       | 15:27            | LB135689      |
|                                | Nickel                | 40.0                   | +/-40.0               | U            | 40.0 | P | 05/06/2025       | 15:27            | LB135689      |
|                                | Potassium             | 2000                   | +/-2000               | U            | 2000 | P | 05/06/2025       | 15:27            | LB135689      |
|                                | Selenium              | 20.0                   | +/-20.0               | U            | 20.0 | P | 05/06/2025       | 15:27            | LB135689      |
|                                | Silver                | 10.0                   | +/-10.0               | U            | 10.0 | P | 05/06/2025       | 15:27            | LB135689      |
|                                | Sodium                | 2000                   | +/-2000               | U            | 2000 | P | 05/06/2025       | 15:27            | LB135689      |
|                                | Thallium              | 40.0                   | +/-40.0               | U            | 40.0 | P | 05/06/2025       | 15:27            | LB135689      |
|                                | Vanadium              | 40.0                   | +/-40.0               | U            | 40.0 | P | 05/06/2025       | 15:27            | LB135689      |
|                                | Zinc                  | 40.0                   | +/-40.0               | U            | 40.0 | P | 05/06/2025       | 15:27            | LB135689      |

**Metals**

- 3a -

**INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY**

| <b>Client:</b> G Environmental |                       | <b>SDG No.:</b> Q1945  |                       |              |      |   |                  |                  |               |
|--------------------------------|-----------------------|------------------------|-----------------------|--------------|------|---|------------------|------------------|---------------|
| <b>Contract:</b> GENV01        | <b>Lab Code:</b> CHEM | <b>Case No.:</b> Q1945 | <b>SAS No.:</b> Q1945 |              |      |   |                  |                  |               |
| 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              | 12.8                   | +/-100                | J            | 100  | P | 05/06/2025       | 16:34            | LB135689      |
|                                | Antimony              | 50.0                   | +/-50.0               | U            | 50.0 | P | 05/06/2025       | 16:34            | LB135689      |
|                                | Arsenic               | 20.0                   | +/-20.0               | U            | 20.0 | P | 05/06/2025       | 16:34            | LB135689      |
|                                | Barium                | 100                    | +/-100                | U            | 100  | P | 05/06/2025       | 16:34            | LB135689      |
|                                | Beryllium             | 6.00                   | +/-6.00               | U            | 6.00 | P | 05/06/2025       | 16:34            | LB135689      |
|                                | Cadmium               | 6.00                   | +/-6.00               | U            | 6.00 | P | 05/06/2025       | 16:34            | LB135689      |
|                                | Calcium               | 2000                   | +/-2000               | U            | 2000 | P | 05/06/2025       | 16:34            | LB135689      |
|                                | Chromium              | 10.0                   | +/-10.0               | U            | 10.0 | P | 05/06/2025       | 16:34            | LB135689      |
|                                | Cobalt                | 30.0                   | +/-30.0               | U            | 30.0 | P | 05/06/2025       | 16:34            | LB135689      |
|                                | Copper                | 20.0                   | +/-20.0               | U            | 20.0 | P | 05/06/2025       | 16:34            | LB135689      |
|                                | Iron                  | 100                    | +/-100                | U            | 100  | P | 05/06/2025       | 16:34            | LB135689      |
|                                | Lead                  | 12.0                   | +/-12.0               | U            | 12.0 | P | 05/06/2025       | 16:34            | LB135689      |
|                                | Magnesium             | 2000                   | +/-2000               | U            | 2000 | P | 05/06/2025       | 16:34            | LB135689      |
|                                | Manganese             | 20.0                   | +/-20.0               | U            | 20.0 | P | 05/06/2025       | 16:34            | LB135689      |
|                                | Nickel                | 40.0                   | +/-40.0               | U            | 40.0 | P | 05/06/2025       | 16:34            | LB135689      |
|                                | Potassium             | 2000                   | +/-2000               | U            | 2000 | P | 05/06/2025       | 16:34            | LB135689      |
|                                | Selenium              | 20.0                   | +/-20.0               | U            | 20.0 | P | 05/06/2025       | 16:34            | LB135689      |
|                                | Silver                | 10.0                   | +/-10.0               | U            | 10.0 | P | 05/06/2025       | 16:34            | LB135689      |
|                                | Sodium                | 2000                   | +/-2000               | U            | 2000 | P | 05/06/2025       | 16:34            | LB135689      |
|                                | Thallium              | 40.0                   | +/-40.0               | U            | 40.0 | P | 05/06/2025       | 16:34            | LB135689      |
|                                | Vanadium              | 40.0                   | +/-40.0               | U            | 40.0 | P | 05/06/2025       | 16:34            | LB135689      |
|                                | Zinc                  | 40.0                   | +/-40.0               | U            | 40.0 | P | 05/06/2025       | 16:34            | LB135689      |
| CCB02                          | Aluminum              | 14.3                   | +/-100                | J            | 100  | P | 05/06/2025       | 17:20            | LB135689      |
|                                | Antimony              | 50.0                   | +/-50.0               | U            | 50.0 | P | 05/06/2025       | 17:20            | LB135689      |
|                                | Arsenic               | 20.0                   | +/-20.0               | U            | 20.0 | P | 05/06/2025       | 17:20            | LB135689      |
|                                | Barium                | 100                    | +/-100                | U            | 100  | P | 05/06/2025       | 17:20            | LB135689      |
|                                | Beryllium             | 6.00                   | +/-6.00               | U            | 6.00 | P | 05/06/2025       | 17:20            | LB135689      |
|                                | Cadmium               | 0.60                   | +/-6.00               | J            | 6.00 | P | 05/06/2025       | 17:20            | LB135689      |
|                                | Calcium               | 2000                   | +/-2000               | U            | 2000 | P | 05/06/2025       | 17:20            | LB135689      |
|                                | Chromium              | 10.0                   | +/-10.0               | U            | 10.0 | P | 05/06/2025       | 17:20            | LB135689      |
|                                | Cobalt                | 30.0                   | +/-30.0               | U            | 30.0 | P | 05/06/2025       | 17:20            | LB135689      |
|                                | Copper                | 20.0                   | +/-20.0               | U            | 20.0 | P | 05/06/2025       | 17:20            | LB135689      |
|                                | Iron                  | 100                    | +/-100                | U            | 100  | P | 05/06/2025       | 17:20            | LB135689      |
|                                | Lead                  | 12.0                   | +/-12.0               | U            | 12.0 | P | 05/06/2025       | 17:20            | LB135689      |
|                                | Magnesium             | 2000                   | +/-2000               | U            | 2000 | P | 05/06/2025       | 17:20            | LB135689      |
|                                | Manganese             | 20.0                   | +/-20.0               | U            | 20.0 | P | 05/06/2025       | 17:20            | LB135689      |
|                                | Nickel                | 40.0                   | +/-40.0               | U            | 40.0 | P | 05/06/2025       | 17:20            | LB135689      |
|                                | Potassium             | 2000                   | +/-2000               | U            | 2000 | P | 05/06/2025       | 17:20            | LB135689      |
|                                | Selenium              | 20.0                   | +/-20.0               | U            | 20.0 | P | 05/06/2025       | 17:20            | LB135689      |

**Metals**

- 3a -

**INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY**

| <b>Client:</b> G Environmental |                       | <b>SDG No.:</b> Q1945  |                       |              |      |   |                  |                  |               |
|--------------------------------|-----------------------|------------------------|-----------------------|--------------|------|---|------------------|------------------|---------------|
| <b>Contract:</b> GENV01        | <b>Lab Code:</b> CHEM | <b>Case No.:</b> Q1945 | <b>SAS No.:</b> Q1945 |              |      |   |                  |                  |               |
| 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 | 05/06/2025       | 17:20            | LB135689      |
|                                | Sodium                | 2000                   | +/-2000               | U            | 2000 | P | 05/06/2025       | 17:20            | LB135689      |
|                                | Thallium              | 40.0                   | +/-40.0               | U            | 40.0 | P | 05/06/2025       | 17:20            | LB135689      |
|                                | Vanadium              | 40.0                   | +/-40.0               | U            | 40.0 | P | 05/06/2025       | 17:20            | LB135689      |
|                                | Zinc                  | 40.0                   | +/-40.0               | U            | 40.0 | P | 05/06/2025       | 17:20            | LB135689      |
| CCB03                          | Aluminum              | 15.8                   | +/-100                | J            | 100  | P | 05/06/2025       | 18:13            | LB135689      |
|                                | Antimony              | 50.0                   | +/-50.0               | U            | 50.0 | P | 05/06/2025       | 18:13            | LB135689      |
|                                | Arsenic               | 20.0                   | +/-20.0               | U            | 20.0 | P | 05/06/2025       | 18:13            | LB135689      |
|                                | Barium                | 100                    | +/-100                | U            | 100  | P | 05/06/2025       | 18:13            | LB135689      |
|                                | Beryllium             | 6.00                   | +/-6.00               | U            | 6.00 | P | 05/06/2025       | 18:13            | LB135689      |
|                                | Cadmium               | 0.59                   | +/-6.00               | J            | 6.00 | P | 05/06/2025       | 18:13            | LB135689      |
|                                | Calcium               | 2000                   | +/-2000               | U            | 2000 | P | 05/06/2025       | 18:13            | LB135689      |
|                                | Chromium              | 10.0                   | +/-10.0               | U            | 10.0 | P | 05/06/2025       | 18:13            | LB135689      |
|                                | Cobalt                | 30.0                   | +/-30.0               | U            | 30.0 | P | 05/06/2025       | 18:13            | LB135689      |
|                                | Copper                | 20.0                   | +/-20.0               | U            | 20.0 | P | 05/06/2025       | 18:13            | LB135689      |
|                                | Iron                  | 23.9                   | +/-100                | J            | 100  | P | 05/06/2025       | 18:13            | LB135689      |
|                                | Lead                  | 12.0                   | +/-12.0               | U            | 12.0 | P | 05/06/2025       | 18:13            | LB135689      |
|                                | Magnesium             | 2000                   | +/-2000               | U            | 2000 | P | 05/06/2025       | 18:13            | LB135689      |
|                                | Manganese             | 20.0                   | +/-20.0               | U            | 20.0 | P | 05/06/2025       | 18:13            | LB135689      |
|                                | Nickel                | 40.0                   | +/-40.0               | U            | 40.0 | P | 05/06/2025       | 18:13            | LB135689      |
|                                | Potassium             | 2000                   | +/-2000               | U            | 2000 | P | 05/06/2025       | 18:13            | LB135689      |
|                                | Selenium              | 20.0                   | +/-20.0               | U            | 20.0 | P | 05/06/2025       | 18:13            | LB135689      |
|                                | Silver                | 10.0                   | +/-10.0               | U            | 10.0 | P | 05/06/2025       | 18:13            | LB135689      |
|                                | Sodium                | 2000                   | +/-2000               | U            | 2000 | P | 05/06/2025       | 18:13            | LB135689      |
|                                | Thallium              | 40.0                   | +/-40.0               | U            | 40.0 | P | 05/06/2025       | 18:13            | LB135689      |
|                                | Vanadium              | 40.0                   | +/-40.0               | U            | 40.0 | P | 05/06/2025       | 18:13            | LB135689      |
|                                | Zinc                  | 40.0                   | +/-40.0               | U            | 40.0 | P | 05/06/2025       | 18:13            | LB135689      |
| CCB04                          | Aluminum              | 16.7                   | +/-100                | J            | 100  | P | 05/06/2025       | 19:20            | LB135689      |
|                                | Antimony              | 50.0                   | +/-50.0               | U            | 50.0 | P | 05/06/2025       | 19:20            | LB135689      |
|                                | Arsenic               | 20.0                   | +/-20.0               | U            | 20.0 | P | 05/06/2025       | 19:20            | LB135689      |
|                                | Barium                | 100                    | +/-100                | U            | 100  | P | 05/06/2025       | 19:20            | LB135689      |
|                                | Beryllium             | 6.00                   | +/-6.00               | U            | 6.00 | P | 05/06/2025       | 19:20            | LB135689      |
|                                | Cadmium               | 6.00                   | +/-6.00               | U            | 6.00 | P | 05/06/2025       | 19:20            | LB135689      |
|                                | Calcium               | 2000                   | +/-2000               | U            | 2000 | P | 05/06/2025       | 19:20            | LB135689      |
|                                | Chromium              | 10.0                   | +/-10.0               | U            | 10.0 | P | 05/06/2025       | 19:20            | LB135689      |
|                                | Cobalt                | 30.0                   | +/-30.0               | U            | 30.0 | P | 05/06/2025       | 19:20            | LB135689      |
|                                | Copper                | 20.0                   | +/-20.0               | U            | 20.0 | P | 05/06/2025       | 19:20            | LB135689      |
|                                | Iron                  | 100                    | +/-100                | U            | 100  | P | 05/06/2025       | 19:20            | LB135689      |
|                                | Lead                  | 12.0                   | +/-12.0               | U            | 12.0 | P | 05/06/2025       | 19:20            | LB135689      |

- 3a -

|                  |                 |                  |      |                  |       |
|------------------|-----------------|------------------|------|------------------|-------|
| <b>Client:</b>   | G Environmental |                  |      | <b>SDG No.:</b>  | Q1945 |
| <b>Contract:</b> | GENV01          | <b>Lab Code:</b> | CHEM | <b>Case No.:</b> | Q1945 |
|                  |                 |                  |      | <b>SAS No.:</b>  | Q1945 |

| 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 | 05/06/2025       | 19:20            | LB135689      |
|           | Manganese | 20.0           | +/-20.0             | U            | 20.0 | P | 05/06/2025       | 19:20            | LB135689      |
|           | Nickel    | 40.0           | +/-40.0             | U            | 40.0 | P | 05/06/2025       | 19:20            | LB135689      |
|           | Potassium | 2000           | +/-2000             | U            | 2000 | P | 05/06/2025       | 19:20            | LB135689      |
|           | Selenium  | 20.0           | +/-20.0             | U            | 20.0 | P | 05/06/2025       | 19:20            | LB135689      |
|           | Silver    | 10.0           | +/-10.0             | U            | 10.0 | P | 05/06/2025       | 19:20            | LB135689      |
|           | Sodium    | 2000           | +/-2000             | U            | 2000 | P | 05/06/2025       | 19:20            | LB135689      |
|           | Thallium  | 40.0           | +/-40.0             | U            | 40.0 | P | 05/06/2025       | 19:20            | LB135689      |
|           | Vanadium  | 40.0           | +/-40.0             | U            | 40.0 | P | 05/06/2025       | 19:20            | LB135689      |
|           | Zinc      | 40.0           | +/-40.0             | U            | 40.0 | P | 05/06/2025       | 19:20            | LB135689      |
| CCB05     | Aluminum  | 100            | +/-100              | U            | 100  | P | 05/06/2025       | 20:06            | LB135689      |
|           | Antimony  | 50.0           | +/-50.0             | U            | 50.0 | P | 05/06/2025       | 20:06            | LB135689      |
|           | Arsenic   | 20.0           | +/-20.0             | U            | 20.0 | P | 05/06/2025       | 20:06            | LB135689      |
|           | Barium    | 100            | +/-100              | U            | 100  | P | 05/06/2025       | 20:06            | LB135689      |
|           | Beryllium | 6.00           | +/-6.00             | U            | 6.00 | P | 05/06/2025       | 20:06            | LB135689      |
|           | Cadmium   | 6.00           | +/-6.00             | U            | 6.00 | P | 05/06/2025       | 20:06            | LB135689      |
|           | Calcium   | 2000           | +/-2000             | U            | 2000 | P | 05/06/2025       | 20:06            | LB135689      |
|           | Chromium  | 10.0           | +/-10.0             | U            | 10.0 | P | 05/06/2025       | 20:06            | LB135689      |
|           | Cobalt    | 30.0           | +/-30.0             | U            | 30.0 | P | 05/06/2025       | 20:06            | LB135689      |
|           | Copper    | 20.0           | +/-20.0             | U            | 20.0 | P | 05/06/2025       | 20:06            | LB135689      |
|           | Iron      | 100            | +/-100              | U            | 100  | P | 05/06/2025       | 20:06            | LB135689      |
|           | Lead      | 12.0           | +/-12.0             | U            | 12.0 | P | 05/06/2025       | 20:06            | LB135689      |
|           | Magnesium | 2000           | +/-2000             | U            | 2000 | P | 05/06/2025       | 20:06            | LB135689      |
|           | Manganese | 20.0           | +/-20.0             | U            | 20.0 | P | 05/06/2025       | 20:06            | LB135689      |
|           | Nickel    | 40.0           | +/-40.0             | U            | 40.0 | P | 05/06/2025       | 20:06            | LB135689      |
|           | Potassium | 2000           | +/-2000             | U            | 2000 | P | 05/06/2025       | 20:06            | LB135689      |
|           | Selenium  | 20.0           | +/-20.0             | U            | 20.0 | P | 05/06/2025       | 20:06            | LB135689      |
|           | Silver    | 10.0           | +/-10.0             | U            | 10.0 | P | 05/06/2025       | 20:06            | LB135689      |
|           | Sodium    | 2000           | +/-2000             | U            | 2000 | P | 05/06/2025       | 20:06            | LB135689      |
|           | Thallium  | 40.0           | +/-40.0             | U            | 40.0 | P | 05/06/2025       | 20:06            | LB135689      |
| CCB06     | Vanadium  | 40.0           | +/-40.0             | U            | 40.0 | P | 05/06/2025       | 20:06            | LB135689      |
|           | Zinc      | 40.0           | +/-40.0             | U            | 40.0 | P | 05/06/2025       | 20:06            | LB135689      |
|           | Aluminum  | 100            | +/-100              | U            | 100  | P | 05/06/2025       | 20:35            | LB135689      |
|           | Antimony  | 50.0           | +/-50.0             | U            | 50.0 | P | 05/06/2025       | 20:35            | LB135689      |
|           | Arsenic   | 20.0           | +/-20.0             | U            | 20.0 | P | 05/06/2025       | 20:35            | LB135689      |
|           | Barium    | 100            | +/-100              | U            | 100  | P | 05/06/2025       | 20:35            | LB135689      |
|           | Beryllium | 6.00           | +/-6.00             | U            | 6.00 | P | 05/06/2025       | 20:35            | LB135689      |
|           | Cadmium   | 6.00           | +/-6.00             | U            | 6.00 | P | 05/06/2025       | 20:35            | LB135689      |
|           | Calcium   | 2000           | +/-2000             | U            | 2000 | P | 05/06/2025       | 20:35            | LB135689      |

**Metals**

- 3a -

**INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY**

**Client:** G Environmental **SDG No.:** Q1945  
**Contract:** GENV01 **Lab Code:** CHEM **Case No.:** Q1945 **SAS No.:** Q1945

| Sample ID | Analyte   | Result<br>ug/L | Acceptance<br>Limit | Conc<br>Qual | CRQL | M | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
|-----------|-----------|----------------|---------------------|--------------|------|---|------------------|------------------|---------------|
| CCB06     | Chromium  | 10.0           | +/-10.0             | U            | 10.0 | P | 05/06/2025       | 20:35            | LB135689      |
|           | Cobalt    | 30.0           | +/-30.0             | U            | 30.0 | P | 05/06/2025       | 20:35            | LB135689      |
|           | Copper    | 20.0           | +/-20.0             | U            | 20.0 | P | 05/06/2025       | 20:35            | LB135689      |
|           | Iron      | 100            | +/-100              | U            | 100  | P | 05/06/2025       | 20:35            | LB135689      |
|           | Lead      | 12.0           | +/-12.0             | U            | 12.0 | P | 05/06/2025       | 20:35            | LB135689      |
|           | Magnesium | 2000           | +/-2000             | U            | 2000 | P | 05/06/2025       | 20:35            | LB135689      |
|           | Manganese | 20.0           | +/-20.0             | U            | 20.0 | P | 05/06/2025       | 20:35            | LB135689      |
|           | Nickel    | 40.0           | +/-40.0             | U            | 40.0 | P | 05/06/2025       | 20:35            | LB135689      |
|           | Potassium | 2000           | +/-2000             | U            | 2000 | P | 05/06/2025       | 20:35            | LB135689      |
|           | Selenium  | 20.0           | +/-20.0             | U            | 20.0 | P | 05/06/2025       | 20:35            | LB135689      |
|           | Silver    | 10.0           | +/-10.0             | U            | 10.0 | P | 05/06/2025       | 20:35            | LB135689      |
|           | Sodium    | 2000           | +/-2000             | U            | 2000 | P | 05/06/2025       | 20:35            | LB135689      |
|           | Thallium  | 40.0           | +/-40.0             | U            | 40.0 | P | 05/06/2025       | 20:35            | LB135689      |
|           | Vanadium  | 40.0           | +/-40.0             | U            | 40.0 | P | 05/06/2025       | 20:35            | LB135689      |
|           | Zinc      | 40.0           | +/-40.0             | U            | 40.0 | P | 05/06/2025       | 20:35            | LB135689      |

**Metals**  
**- 3b -**  
**PREPARATION BLANK SUMMARY**

**Client:** G Environmental

**SDG No.:** Q1945

**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>PB167866BL</b> |         | <b>WATER</b>     |                     | <b>Batch Number:</b> | <b>PB167866</b> |    | <b>Prep Date:</b> | <b>05/05/2025</b> |          |
|                   | Mercury | 0.20             | <0.20               | U                    | 0.20            | CV | 05/05/2025        | 12:52             | LB135662 |

**Metals**  
**- 3b -**  
**PREPARATION BLANK SUMMARY**

**Client:** G Environmental

**SDG No.:** Q1945

**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>PB167858BL</b> | <b>WATER</b> |                  |                     | <b>Batch Number:</b> | <b>PB167858</b> |   | <b>Prep Date:</b> | <b>05/05/2025</b> |          |
|                   | Aluminum     | 50.0             | <50.0               | U                    | 50.0            | P | 05/05/2025        | 18:22             | LB135674 |
|                   | Antimony     | 25.0             | <25.0               | U                    | 25.0            | P | 05/05/2025        | 18:22             | LB135674 |
|                   | Arsenic      | 10.0             | <10.0               | U                    | 10.0            | P | 05/05/2025        | 18:22             | LB135674 |
|                   | Barium       | 50.0             | <50.0               | U                    | 50.0            | P | 05/05/2025        | 18:22             | LB135674 |
|                   | Beryllium    | 3.00             | <3.00               | U                    | 3.00            | P | 05/05/2025        | 18:22             | LB135674 |
|                   | Cadmium      | 3.00             | <3.00               | U                    | 3.00            | P | 05/05/2025        | 18:22             | LB135674 |
|                   | Calcium      | 1000             | <1000               | U                    | 1000            | P | 05/05/2025        | 18:22             | LB135674 |
|                   | Chromium     | 5.00             | <5.00               | U                    | 5.00            | P | 05/05/2025        | 18:22             | LB135674 |
|                   | Cobalt       | 15.0             | <15.0               | U                    | 15.0            | P | 05/05/2025        | 18:22             | LB135674 |
|                   | Copper       | 10.0             | <10.0               | U                    | 10.0            | P | 05/05/2025        | 18:22             | LB135674 |
|                   | Iron         | 50.0             | <50.0               | U                    | 50.0            | P | 05/05/2025        | 18:22             | LB135674 |
|                   | Lead         | 6.00             | <6.00               | U                    | 6.00            | P | 05/05/2025        | 18:22             | LB135674 |
|                   | Magnesium    | 1000             | <1000               | U                    | 1000            | P | 05/05/2025        | 18:22             | LB135674 |
|                   | Manganese    | 10.0             | <10.0               | U                    | 10.0            | P | 05/05/2025        | 18:22             | LB135674 |
|                   | Nickel       | 20.0             | <20.0               | U                    | 20.0            | P | 05/05/2025        | 18:22             | LB135674 |
|                   | Potassium    | 1000             | <1000               | U                    | 1000            | P | 05/05/2025        | 18:22             | LB135674 |
|                   | Selenium     | 10.0             | <10.0               | U                    | 10.0            | P | 05/05/2025        | 18:22             | LB135674 |
|                   | Silver       | 5.00             | <5.00               | U                    | 5.00            | P | 05/05/2025        | 18:22             | LB135674 |
|                   | Sodium       | 1000             | <1000               | U                    | 1000            | P | 05/05/2025        | 18:22             | LB135674 |
|                   | Thallium     | 20.0             | <20.0               | U                    | 20.0            | P | 05/05/2025        | 18:22             | LB135674 |
|                   | Vanadium     | 20.0             | <20.0               | U                    | 20.0            | P | 05/05/2025        | 18:22             | LB135674 |
|                   | Zinc         | 20.0             | <20.0               | U                    | 20.0            | P | 05/05/2025        | 18:22             | LB135674 |





# METAL CALIBRATION DATA

**Metals**

- 2a -

**INITIAL AND CONTINUING CALIBRATION VERIFICATION**

**Client:** G Environmental **SDG No.:** Q1945  
**Contract:** GENV01 **Lab Code:** CHEM **Case No.:** Q1945 **SAS No.:** Q1945  
**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 |
|-----------|---------|----------------|------------|---------------|---------------------------|----|------------------|------------------|---------------|
| ICV114    | Mercury | 3.72           | 4.0        | 93            | 90 - 110                  | CV | 05/05/2025       | 11:16            | LB135662      |

**Metals**

- 2a -

**INITIAL AND CONTINUING CALIBRATION VERIFICATION**

**Client:** G Environmental **SDG No.:** Q1945  
**Contract:** GENV01 **Lab Code:** CHEM **Case No.:** Q1945 **SAS No.:** Q1945  
**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 |
|-----------|---------|----------------|------------|---------------|---------------------------|----|------------------|------------------|---------------|
| CCV71     | Mercury | 4.85           | 5.0        | 97            | 90 - 110                  | CV | 05/05/2025       | 11:25            | LB135662      |
| CCV72     | Mercury | 5.11           | 5.0        | 102           | 90 - 110                  | CV | 05/05/2025       | 11:58            | LB135662      |
| CCV73     | Mercury | 4.75           | 5.0        | 95            | 90 - 110                  | CV | 05/05/2025       | 12:28            | LB135662      |
| CCV74     | Mercury | 4.54           | 5.0        | 91            | 90 - 110                  | CV | 05/05/2025       | 13:03            | LB135662      |
| CCV75     | Mercury | 5.43           | 5.0        | 108           | 90 - 110                  | CV | 05/05/2025       | 13:41            | LB135662      |
| CCV76     | Mercury | 5.40           | 5.0        | 108           | 90 - 110                  | CV | 05/05/2025       | 13:52            | LB135662      |

**Metals**

- 2a -

**INITIAL AND CONTINUING CALIBRATION VERIFICATION**

**Client:** G Environmental **SDG No.:** Q1945  
**Contract:** GENV01 **Lab Code:** CHEM **Case No.:** Q1945 **SAS No.:** Q1945  
**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  | 2360           | 2500       | 94            | 90 - 110                  | P | 05/05/2025       | 14:18            | LB135674      |
|           | Antimony  | 1000           | 1000       | 100           | 90 - 110                  | P | 05/05/2025       | 14:18            | LB135674      |
|           | Arsenic   | 973            | 1000       | 97            | 90 - 110                  | P | 05/05/2025       | 14:18            | LB135674      |
|           | Barium    | 522            | 520        | 100           | 90 - 110                  | P | 05/05/2025       | 14:18            | LB135674      |
|           | Beryllium | 483            | 510        | 95            | 90 - 110                  | P | 05/05/2025       | 14:18            | LB135674      |
|           | Cadmium   | 501            | 510        | 98            | 90 - 110                  | P | 05/05/2025       | 14:18            | LB135674      |
|           | Calcium   | 9510           | 10000      | 95            | 90 - 110                  | P | 05/05/2025       | 14:18            | LB135674      |
|           | Chromium  | 508            | 520        | 98            | 90 - 110                  | P | 05/05/2025       | 14:18            | LB135674      |
|           | Cobalt    | 489            | 520        | 94            | 90 - 110                  | P | 05/05/2025       | 14:18            | LB135674      |
|           | Copper    | 499            | 510        | 98            | 90 - 110                  | P | 05/05/2025       | 14:18            | LB135674      |
|           | Iron      | 9600           | 10000      | 96            | 90 - 110                  | P | 05/05/2025       | 14:18            | LB135674      |
|           | Lead      | 988            | 1000       | 99            | 90 - 110                  | P | 05/05/2025       | 14:18            | LB135674      |
|           | Magnesium | 5640           | 6000       | 94            | 90 - 110                  | P | 05/05/2025       | 14:18            | LB135674      |
|           | Manganese | 485            | 520        | 93            | 90 - 110                  | P | 05/05/2025       | 14:18            | LB135674      |
|           | Nickel    | 490            | 530        | 92            | 90 - 110                  | P | 05/05/2025       | 14:18            | LB135674      |
|           | Potassium | 9270           | 9900       | 94            | 90 - 110                  | P | 05/05/2025       | 14:18            | LB135674      |
|           | Selenium  | 1020           | 1000       | 102           | 90 - 110                  | P | 05/05/2025       | 14:18            | LB135674      |
|           | Silver    | 228            | 250        | 91            | 90 - 110                  | P | 05/05/2025       | 14:18            | LB135674      |
|           | Sodium    | 9280           | 10000      | 93            | 90 - 110                  | P | 05/05/2025       | 14:18            | LB135674      |
|           | Thallium  | 1020           | 1000       | 102           | 90 - 110                  | P | 05/05/2025       | 14:18            | LB135674      |
|           | Vanadium  | 472            | 500        | 94            | 90 - 110                  | P | 05/05/2025       | 14:18            | LB135674      |
|           | Zinc      | 969            | 1000       | 97            | 90 - 110                  | P | 05/05/2025       | 14:18            | LB135674      |

**Metals**

- 2a -

**INITIAL AND CONTINUING CALIBRATION VERIFICATION**

**Client:** G Environmental **SDG No.:** Q1945

**Contract:** GENV01 **Lab Code:** CHEM **Case No.:** Q1945 **SAS No.:** Q1945

**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  | 100            | 100        | 100           | 80 - 120                  | P | 05/05/2025       | 14:36            | LB135674      |
|           | Antimony  | 53.4           | 50.0       | 107           | 80 - 120                  | P | 05/05/2025       | 14:36            | LB135674      |
|           | Arsenic   | 23.4           | 20.0       | 117           | 80 - 120                  | P | 05/05/2025       | 14:36            | LB135674      |
|           | Barium    | 95.2           | 100        | 95            | 80 - 120                  | P | 05/05/2025       | 14:36            | LB135674      |
|           | Beryllium | 5.87           | 6.0        | 98            | 80 - 120                  | P | 05/05/2025       | 14:36            | LB135674      |
|           | Cadmium   | 5.83           | 6.0        | 97            | 80 - 120                  | P | 05/05/2025       | 14:36            | LB135674      |
|           | Calcium   | 2030           | 2000       | 102           | 80 - 120                  | P | 05/05/2025       | 14:36            | LB135674      |
|           | Chromium  | 10.2           | 10.0       | 102           | 80 - 120                  | P | 05/05/2025       | 14:36            | LB135674      |
|           | Cobalt    | 29.7           | 30.0       | 99            | 80 - 120                  | P | 05/05/2025       | 14:36            | LB135674      |
|           | Copper    | 22.4           | 20.0       | 112           | 80 - 120                  | P | 05/05/2025       | 14:36            | LB135674      |
|           | Iron      | 90.6           | 100        | 91            | 80 - 120                  | P | 05/05/2025       | 14:36            | LB135674      |
|           | Lead      | 10.9           | 12.0       | 91            | 80 - 120                  | P | 05/05/2025       | 14:36            | LB135674      |
|           | Magnesium | 2150           | 2000       | 107           | 80 - 120                  | P | 05/05/2025       | 14:36            | LB135674      |
|           | Manganese | 18.4           | 20.0       | 92            | 80 - 120                  | P | 05/05/2025       | 14:36            | LB135674      |
|           | Nickel    | 39.5           | 40.0       | 99            | 80 - 120                  | P | 05/05/2025       | 14:36            | LB135674      |
|           | Potassium | 1920           | 2000       | 96            | 80 - 120                  | P | 05/05/2025       | 14:36            | LB135674      |
|           | Selenium  | 22.6           | 20.0       | 113           | 80 - 120                  | P | 05/05/2025       | 14:36            | LB135674      |
|           | Silver    | 10.2           | 10.0       | 102           | 80 - 120                  | P | 05/05/2025       | 14:36            | LB135674      |
|           | Sodium    | 1930           | 2000       | 97            | 80 - 120                  | P | 05/05/2025       | 14:36            | LB135674      |
|           | Thallium  | 41.0           | 40.0       | 103           | 80 - 120                  | P | 05/05/2025       | 14:36            | LB135674      |
|           | Vanadium  | 39.7           | 40.0       | 99            | 80 - 120                  | P | 05/05/2025       | 14:36            | LB135674      |
|           | Zinc      | 41.2           | 40.0       | 103           | 80 - 120                  | P | 05/05/2025       | 14:36            | LB135674      |

## Metals

- 2a -

### INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: G Environmental SDG No.: Q1945  
Contract: GENV01 Lab Code: CHEM Case No.: Q1945 SAS No.: Q1945  
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  | 9770           | 10000      | 98            | 90 - 110                  | P | 05/05/2025       | 15:20            | LB135674      |
|           | Antimony  | 4950           | 5000       | 99            | 90 - 110                  | P | 05/05/2025       | 15:20            | LB135674      |
|           | Arsenic   | 4930           | 5000       | 99            | 90 - 110                  | P | 05/05/2025       | 15:20            | LB135674      |
|           | Barium    | 9850           | 10000      | 98            | 90 - 110                  | P | 05/05/2025       | 15:20            | LB135674      |
|           | Beryllium | 243            | 250        | 97            | 90 - 110                  | P | 05/05/2025       | 15:20            | LB135674      |
|           | Cadmium   | 2450           | 2500       | 98            | 90 - 110                  | P | 05/05/2025       | 15:20            | LB135674      |
|           | Calcium   | 24400          | 25000      | 98            | 90 - 110                  | P | 05/05/2025       | 15:20            | LB135674      |
|           | Chromium  | 996            | 1000       | 100           | 90 - 110                  | P | 05/05/2025       | 15:20            | LB135674      |
|           | Cobalt    | 2450           | 2500       | 98            | 90 - 110                  | P | 05/05/2025       | 15:20            | LB135674      |
|           | Copper    | 1240           | 1250       | 99            | 90 - 110                  | P | 05/05/2025       | 15:20            | LB135674      |
|           | Iron      | 5100           | 5000       | 102           | 90 - 110                  | P | 05/05/2025       | 15:20            | LB135674      |
|           | Lead      | 4940           | 5000       | 99            | 90 - 110                  | P | 05/05/2025       | 15:20            | LB135674      |
|           | Magnesium | 24200          | 25000      | 97            | 90 - 110                  | P | 05/05/2025       | 15:20            | LB135674      |
|           | Manganese | 2430           | 2500       | 97            | 90 - 110                  | P | 05/05/2025       | 15:20            | LB135674      |
|           | Nickel    | 2450           | 2500       | 98            | 90 - 110                  | P | 05/05/2025       | 15:20            | LB135674      |
|           | Potassium | 24900          | 25000      | 100           | 90 - 110                  | P | 05/05/2025       | 15:20            | LB135674      |
|           | Selenium  | 4960           | 5000       | 99            | 90 - 110                  | P | 05/05/2025       | 15:20            | LB135674      |
|           | Silver    | 1240           | 1250       | 99            | 90 - 110                  | P | 05/05/2025       | 15:20            | LB135674      |
|           | Sodium    | 25000          | 25000      | 100           | 90 - 110                  | P | 05/05/2025       | 15:20            | LB135674      |
|           | Thallium  | 4980           | 5000       | 100           | 90 - 110                  | P | 05/05/2025       | 15:20            | LB135674      |
|           | Vanadium  | 2440           | 2500       | 98            | 90 - 110                  | P | 05/05/2025       | 15:20            | LB135674      |
|           | Zinc      | 2480           | 2500       | 99            | 90 - 110                  | P | 05/05/2025       | 15:20            | LB135674      |
| CCV02     | Aluminum  | 9710           | 10000      | 97            | 90 - 110                  | P | 05/05/2025       | 16:07            | LB135674      |
|           | Antimony  | 4910           | 5000       | 98            | 90 - 110                  | P | 05/05/2025       | 16:07            | LB135674      |
|           | Arsenic   | 4880           | 5000       | 98            | 90 - 110                  | P | 05/05/2025       | 16:07            | LB135674      |
|           | Barium    | 9880           | 10000      | 99            | 90 - 110                  | P | 05/05/2025       | 16:07            | LB135674      |
|           | Beryllium | 240            | 250        | 96            | 90 - 110                  | P | 05/05/2025       | 16:07            | LB135674      |
|           | Cadmium   | 2410           | 2500       | 96            | 90 - 110                  | P | 05/05/2025       | 16:07            | LB135674      |
|           | Calcium   | 24200          | 25000      | 97            | 90 - 110                  | P | 05/05/2025       | 16:07            | LB135674      |
|           | Chromium  | 974            | 1000       | 97            | 90 - 110                  | P | 05/05/2025       | 16:07            | LB135674      |
|           | Cobalt    | 2430           | 2500       | 97            | 90 - 110                  | P | 05/05/2025       | 16:07            | LB135674      |
|           | Copper    | 1230           | 1250       | 98            | 90 - 110                  | P | 05/05/2025       | 16:07            | LB135674      |
|           | Iron      | 4990           | 5000       | 100           | 90 - 110                  | P | 05/05/2025       | 16:07            | LB135674      |
|           | Lead      | 4870           | 5000       | 97            | 90 - 110                  | P | 05/05/2025       | 16:07            | LB135674      |

# Metals

- 2a -

## INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: G Environmental SDG No.: Q1945  
 Contract: GENV01 Lab Code: CHEM Case No.: Q1945 SAS No.: Q1945  
 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 | 24000          | 25000      | 96            | 90 - 110                  | P | 05/05/2025       | 16:07            | LB135674      |
|           | Manganese | 2430           | 2500       | 97            | 90 - 110                  | P | 05/05/2025       | 16:07            | LB135674      |
|           | Nickel    | 2420           | 2500       | 97            | 90 - 110                  | P | 05/05/2025       | 16:07            | LB135674      |
|           | Potassium | 24300          | 25000      | 97            | 90 - 110                  | P | 05/05/2025       | 16:07            | LB135674      |
|           | Selenium  | 4920           | 5000       | 98            | 90 - 110                  | P | 05/05/2025       | 16:07            | LB135674      |
|           | Silver    | 1210           | 1250       | 97            | 90 - 110                  | P | 05/05/2025       | 16:07            | LB135674      |
|           | Sodium    | 24400          | 25000      | 98            | 90 - 110                  | P | 05/05/2025       | 16:07            | LB135674      |
|           | Thallium  | 4890           | 5000       | 98            | 90 - 110                  | P | 05/05/2025       | 16:07            | LB135674      |
|           | Vanadium  | 2430           | 2500       | 97            | 90 - 110                  | P | 05/05/2025       | 16:07            | LB135674      |
|           | Zinc      | 2430           | 2500       | 97            | 90 - 110                  | P | 05/05/2025       | 16:07            | LB135674      |
| CCV03     | Aluminum  | 9670           | 10000      | 97            | 90 - 110                  | P | 05/05/2025       | 16:56            | LB135674      |
|           | Antimony  | 5080           | 5000       | 102           | 90 - 110                  | P | 05/05/2025       | 16:56            | LB135674      |
|           | Arsenic   | 5050           | 5000       | 101           | 90 - 110                  | P | 05/05/2025       | 16:56            | LB135674      |
|           | Barium    | 9910           | 10000      | 99            | 90 - 110                  | P | 05/05/2025       | 16:56            | LB135674      |
|           | Beryllium | 240            | 250        | 96            | 90 - 110                  | P | 05/05/2025       | 16:56            | LB135674      |
|           | Cadmium   | 2410           | 2500       | 96            | 90 - 110                  | P | 05/05/2025       | 16:56            | LB135674      |
|           | Calcium   | 24100          | 25000      | 96            | 90 - 110                  | P | 05/05/2025       | 16:56            | LB135674      |
|           | Chromium  | 975            | 1000       | 98            | 90 - 110                  | P | 05/05/2025       | 16:56            | LB135674      |
|           | Cobalt    | 2430           | 2500       | 97            | 90 - 110                  | P | 05/05/2025       | 16:56            | LB135674      |
|           | Copper    | 1260           | 1250       | 100           | 90 - 110                  | P | 05/05/2025       | 16:56            | LB135674      |
|           | Iron      | 5080           | 5000       | 102           | 90 - 110                  | P | 05/05/2025       | 16:56            | LB135674      |
|           | Lead      | 4880           | 5000       | 98            | 90 - 110                  | P | 05/05/2025       | 16:56            | LB135674      |
|           | Magnesium | 23800          | 25000      | 95            | 90 - 110                  | P | 05/05/2025       | 16:56            | LB135674      |
|           | Manganese | 2420           | 2500       | 97            | 90 - 110                  | P | 05/05/2025       | 16:56            | LB135674      |
|           | Nickel    | 2420           | 2500       | 97            | 90 - 110                  | P | 05/05/2025       | 16:56            | LB135674      |
|           | Potassium | 24800          | 25000      | 99            | 90 - 110                  | P | 05/05/2025       | 16:56            | LB135674      |
|           | Selenium  | 5160           | 5000       | 103           | 90 - 110                  | P | 05/05/2025       | 16:56            | LB135674      |
|           | Silver    | 1230           | 1250       | 98            | 90 - 110                  | P | 05/05/2025       | 16:56            | LB135674      |
|           | Sodium    | 24800          | 25000      | 99            | 90 - 110                  | P | 05/05/2025       | 16:56            | LB135674      |
|           | Thallium  | 4970           | 5000       | 99            | 90 - 110                  | P | 05/05/2025       | 16:56            | LB135674      |
|           | Vanadium  | 2420           | 2500       | 97            | 90 - 110                  | P | 05/05/2025       | 16:56            | LB135674      |
|           | Zinc      | 2460           | 2500       | 98            | 90 - 110                  | P | 05/05/2025       | 16:56            | LB135674      |
| CCV04     | Aluminum  | 9610           | 10000      | 96            | 90 - 110                  | P | 05/05/2025       | 17:55            | LB135674      |
|           | Antimony  | 4970           | 5000       | 99            | 90 - 110                  | P | 05/05/2025       | 17:55            | LB135674      |

**Metals**

- 2a -

**INITIAL AND CONTINUING CALIBRATION VERIFICATION**

**Client:** G Environmental **SDG No.:** Q1945  
**Contract:** GENV01 **Lab Code:** CHEM **Case No.:** Q1945 **SAS No.:** Q1945  
**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   | 4930           | 5000       | 99            | 90 - 110                  | P | 05/05/2025       | 17:55            | LB135674      |
|           | Barium    | 9690           | 10000      | 97            | 90 - 110                  | P | 05/05/2025       | 17:55            | LB135674      |
|           | Beryllium | 230            | 250        | 92            | 90 - 110                  | P | 05/05/2025       | 17:55            | LB135674      |
|           | Cadmium   | 2420           | 2500       | 97            | 90 - 110                  | P | 05/05/2025       | 17:55            | LB135674      |
|           | Calcium   | 23800          | 25000      | 95            | 90 - 110                  | P | 05/05/2025       | 17:55            | LB135674      |
|           | Chromium  | 977            | 1000       | 98            | 90 - 110                  | P | 05/05/2025       | 17:55            | LB135674      |
|           | Cobalt    | 2420           | 2500       | 97            | 90 - 110                  | P | 05/05/2025       | 17:55            | LB135674      |
|           | Copper    | 1220           | 1250       | 98            | 90 - 110                  | P | 05/05/2025       | 17:55            | LB135674      |
|           | Iron      | 4990           | 5000       | 100           | 90 - 110                  | P | 05/05/2025       | 17:55            | LB135674      |
|           | Lead      | 4870           | 5000       | 98            | 90 - 110                  | P | 05/05/2025       | 17:55            | LB135674      |
|           | Magnesium | 23600          | 25000      | 95            | 90 - 110                  | P | 05/05/2025       | 17:55            | LB135674      |
|           | Manganese | 2360           | 2500       | 94            | 90 - 110                  | P | 05/05/2025       | 17:55            | LB135674      |
|           | Nickel    | 2420           | 2500       | 97            | 90 - 110                  | P | 05/05/2025       | 17:55            | LB135674      |
|           | Potassium | 24200          | 25000      | 97            | 90 - 110                  | P | 05/05/2025       | 17:55            | LB135674      |
|           | Selenium  | 4980           | 5000       | 100           | 90 - 110                  | P | 05/05/2025       | 17:55            | LB135674      |
|           | Silver    | 1200           | 1250       | 96            | 90 - 110                  | P | 05/05/2025       | 17:55            | LB135674      |
|           | Sodium    | 24400          | 25000      | 98            | 90 - 110                  | P | 05/05/2025       | 17:55            | LB135674      |
|           | Thallium  | 4860           | 5000       | 97            | 90 - 110                  | P | 05/05/2025       | 17:55            | LB135674      |
|           | Vanadium  | 2410           | 2500       | 96            | 90 - 110                  | P | 05/05/2025       | 17:55            | LB135674      |
|           | Zinc      | 2420           | 2500       | 97            | 90 - 110                  | P | 05/05/2025       | 17:55            | LB135674      |
| CCV05     | Aluminum  | 9590           | 10000      | 96            | 90 - 110                  | P | 05/05/2025       | 18:43            | LB135674      |
|           | Antimony  | 5050           | 5000       | 101           | 90 - 110                  | P | 05/05/2025       | 18:43            | LB135674      |
|           | Arsenic   | 4990           | 5000       | 100           | 90 - 110                  | P | 05/05/2025       | 18:43            | LB135674      |
|           | Barium    | 9570           | 10000      | 96            | 90 - 110                  | P | 05/05/2025       | 18:43            | LB135674      |
|           | Beryllium | 235            | 250        | 94            | 90 - 110                  | P | 05/05/2025       | 18:43            | LB135674      |
|           | Cadmium   | 2420           | 2500       | 97            | 90 - 110                  | P | 05/05/2025       | 18:43            | LB135674      |
|           | Calcium   | 23500          | 25000      | 94            | 90 - 110                  | P | 05/05/2025       | 18:43            | LB135674      |
|           | Chromium  | 970            | 1000       | 97            | 90 - 110                  | P | 05/05/2025       | 18:43            | LB135674      |
|           | Cobalt    | 2410           | 2500       | 96            | 90 - 110                  | P | 05/05/2025       | 18:43            | LB135674      |
|           | Copper    | 1230           | 1250       | 99            | 90 - 110                  | P | 05/05/2025       | 18:43            | LB135674      |
|           | Iron      | 4980           | 5000       | 100           | 90 - 110                  | P | 05/05/2025       | 18:43            | LB135674      |
|           | Lead      | 4860           | 5000       | 97            | 90 - 110                  | P | 05/05/2025       | 18:43            | LB135674      |
|           | Magnesium | 23300          | 25000      | 93            | 90 - 110                  | P | 05/05/2025       | 18:43            | LB135674      |
|           | Manganese | 2340           | 2500       | 93            | 90 - 110                  | P | 05/05/2025       | 18:43            | LB135674      |



# Metals

- 2a -

## INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: G Environmental SDG No.: Q1945  
Contract: GENV01 Lab Code: CHEM Case No.: Q1945 SAS No.: Q1945  
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     | Nickel    | 2430           | 2500       | 97            | 90 - 110                  | P | 05/05/2025       | 18:43            | LB135674      |
|           | Potassium | 24500          | 25000      | 98            | 90 - 110                  | P | 05/05/2025       | 18:43            | LB135674      |
|           | Selenium  | 5070           | 5000       | 101           | 90 - 110                  | P | 05/05/2025       | 18:43            | LB135674      |
|           | Silver    | 1220           | 1250       | 98            | 90 - 110                  | P | 05/05/2025       | 18:43            | LB135674      |
|           | Sodium    | 24800          | 25000      | 99            | 90 - 110                  | P | 05/05/2025       | 18:43            | LB135674      |
|           | Thallium  | 4770           | 5000       | 95            | 90 - 110                  | P | 05/05/2025       | 18:43            | LB135674      |
|           | Vanadium  | 2390           | 2500       | 96            | 90 - 110                  | P | 05/05/2025       | 18:43            | LB135674      |
|           | Zinc      | 2470           | 2500       | 99            | 90 - 110                  | P | 05/05/2025       | 18:43            | LB135674      |
| CCV06     | Aluminum  | 9210           | 10000      | 92            | 90 - 110                  | P | 05/05/2025       | 19:32            | LB135674      |
|           | Antimony  | 4780           | 5000       | 96            | 90 - 110                  | P | 05/05/2025       | 19:32            | LB135674      |
|           | Arsenic   | 4750           | 5000       | 95            | 90 - 110                  | P | 05/05/2025       | 19:32            | LB135674      |
|           | Barium    | 9680           | 10000      | 97            | 90 - 110                  | P | 05/05/2025       | 19:32            | LB135674      |
|           | Beryllium | 215            | 250        | 86            | 90 - 110                  | P | 05/05/2025       | 19:32            | LB135674      |
|           | Cadmium   | 2340           | 2500       | 94            | 90 - 110                  | P | 05/05/2025       | 19:32            | LB135674      |
|           | Calcium   | 22700          | 25000      | 91            | 90 - 110                  | P | 05/05/2025       | 19:32            | LB135674      |
|           | Chromium  | 940            | 1000       | 94            | 90 - 110                  | P | 05/05/2025       | 19:32            | LB135674      |
|           | Cobalt    | 2330           | 2500       | 93            | 90 - 110                  | P | 05/05/2025       | 19:32            | LB135674      |
|           | Copper    | 1180           | 1250       | 94            | 90 - 110                  | P | 05/05/2025       | 19:32            | LB135674      |
|           | Iron      | 5030           | 5000       | 101           | 90 - 110                  | P | 05/05/2025       | 19:32            | LB135674      |
|           | Lead      | 4680           | 5000       | 94            | 90 - 110                  | P | 05/05/2025       | 19:32            | LB135674      |
|           | Magnesium | 22100          | 25000      | 88            | 90 - 110                  | P | 05/05/2025       | 19:32            | LB135674      |
|           | Manganese | 2300           | 2500       | 92            | 90 - 110                  | P | 05/05/2025       | 19:32            | LB135674      |
|           | Nickel    | 2360           | 2500       | 94            | 90 - 110                  | P | 05/05/2025       | 19:32            | LB135674      |
|           | Potassium | 25600          | 25000      | 102           | 90 - 110                  | P | 05/05/2025       | 19:32            | LB135674      |
|           | Selenium  | 4800           | 5000       | 96            | 90 - 110                  | P | 05/05/2025       | 19:32            | LB135674      |
|           | Silver    | 1190           | 1250       | 95            | 90 - 110                  | P | 05/05/2025       | 19:32            | LB135674      |
|           | Sodium    | 25500          | 25000      | 102           | 90 - 110                  | P | 05/05/2025       | 19:32            | LB135674      |
|           | Thallium  | 4620           | 5000       | 92            | 90 - 110                  | P | 05/05/2025       | 19:32            | LB135674      |
|           | Vanadium  | 2340           | 2500       | 94            | 90 - 110                  | P | 05/05/2025       | 19:32            | LB135674      |
|           | Zinc      | 2380           | 2500       | 95            | 90 - 110                  | P | 05/05/2025       | 19:32            | LB135674      |
| CCV07     | Aluminum  | 9210           | 10000      | 92            | 90 - 110                  | P | 05/05/2025       | 20:19            | LB135674      |
|           | Antimony  | 4700           | 5000       | 94            | 90 - 110                  | P | 05/05/2025       | 20:19            | LB135674      |
|           | Arsenic   | 4700           | 5000       | 94            | 90 - 110                  | P | 05/05/2025       | 20:19            | LB135674      |
|           | Barium    | 9380           | 10000      | 94            | 90 - 110                  | P | 05/05/2025       | 20:19            | LB135674      |

## Metals

- 2a -

### INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: G Environmental SDG No.: Q1945  
 Contract: GENV01 Lab Code: CHEM Case No.: Q1945 SAS No.: Q1945  
 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 |
|-----------|-----------|----------------|------------|---------------|---------------------------|---|------------------|------------------|---------------|
| CCV07     | Beryllium | 231            | 250        | 92            | 90 - 110                  | P | 05/05/2025       | 20:19            | LB135674      |
|           | Cadmium   | 2350           | 2500       | 94            | 90 - 110                  | P | 05/05/2025       | 20:19            | LB135674      |
|           | Calcium   | 23300          | 25000      | 93            | 90 - 110                  | P | 05/05/2025       | 20:19            | LB135674      |
|           | Chromium  | 955            | 1000       | 96            | 90 - 110                  | P | 05/05/2025       | 20:19            | LB135674      |
|           | Cobalt    | 2330           | 2500       | 93            | 90 - 110                  | P | 05/05/2025       | 20:19            | LB135674      |
|           | Copper    | 1170           | 1250       | 93            | 90 - 110                  | P | 05/05/2025       | 20:19            | LB135674      |
|           | Iron      | 4820           | 5000       | 96            | 90 - 110                  | P | 05/05/2025       | 20:19            | LB135674      |
|           | Lead      | 4710           | 5000       | 94            | 90 - 110                  | P | 05/05/2025       | 20:19            | LB135674      |
|           | Magnesium | 23100          | 25000      | 92            | 90 - 110                  | P | 05/05/2025       | 20:19            | LB135674      |
|           | Manganese | 2310           | 2500       | 92            | 90 - 110                  | P | 05/05/2025       | 20:19            | LB135674      |
|           | Nickel    | 2360           | 2500       | 94            | 90 - 110                  | P | 05/05/2025       | 20:19            | LB135674      |
|           | Potassium | 23800          | 25000      | 95            | 90 - 110                  | P | 05/05/2025       | 20:19            | LB135674      |
|           | Selenium  | 4700           | 5000       | 94            | 90 - 110                  | P | 05/05/2025       | 20:19            | LB135674      |
|           | Silver    | 1180           | 1250       | 95            | 90 - 110                  | P | 05/05/2025       | 20:19            | LB135674      |
|           | Sodium    | 23800          | 25000      | 95            | 90 - 110                  | P | 05/05/2025       | 20:19            | LB135674      |
|           | Thallium  | 4630           | 5000       | 92            | 90 - 110                  | P | 05/05/2025       | 20:19            | LB135674      |
|           | Vanadium  | 2340           | 2500       | 94            | 90 - 110                  | P | 05/05/2025       | 20:19            | LB135674      |
|           | Zinc      | 2350           | 2500       | 94            | 90 - 110                  | P | 05/05/2025       | 20:19            | LB135674      |
| CCV08     | Aluminum  | 9250           | 10000      | 92            | 90 - 110                  | P | 05/05/2025       | 21:07            | LB135674      |
|           | Antimony  | 4760           | 5000       | 95            | 90 - 110                  | P | 05/05/2025       | 21:07            | LB135674      |
|           | Arsenic   | 4790           | 5000       | 96            | 90 - 110                  | P | 05/05/2025       | 21:07            | LB135674      |
|           | Barium    | 9390           | 10000      | 94            | 90 - 110                  | P | 05/05/2025       | 21:07            | LB135674      |
|           | Beryllium | 232            | 250        | 93            | 90 - 110                  | P | 05/05/2025       | 21:07            | LB135674      |
|           | Cadmium   | 2380           | 2500       | 95            | 90 - 110                  | P | 05/05/2025       | 21:07            | LB135674      |
|           | Calcium   | 23300          | 25000      | 93            | 90 - 110                  | P | 05/05/2025       | 21:07            | LB135674      |
|           | Chromium  | 961            | 1000       | 96            | 90 - 110                  | P | 05/05/2025       | 21:07            | LB135674      |
|           | Cobalt    | 2360           | 2500       | 95            | 90 - 110                  | P | 05/05/2025       | 21:07            | LB135674      |
|           | Copper    | 1190           | 1250       | 95            | 90 - 110                  | P | 05/05/2025       | 21:07            | LB135674      |
|           | Iron      | 4870           | 5000       | 97            | 90 - 110                  | P | 05/05/2025       | 21:07            | LB135674      |
|           | Lead      | 4770           | 5000       | 95            | 90 - 110                  | P | 05/05/2025       | 21:07            | LB135674      |
|           | Magnesium | 23300          | 25000      | 93            | 90 - 110                  | P | 05/05/2025       | 21:07            | LB135674      |
|           | Manganese | 2310           | 2500       | 92            | 90 - 110                  | P | 05/05/2025       | 21:07            | LB135674      |
|           | Nickel    | 2380           | 2500       | 95            | 90 - 110                  | P | 05/05/2025       | 21:07            | LB135674      |
|           | Potassium | 23400          | 25000      | 94            | 90 - 110                  | P | 05/05/2025       | 21:07            | LB135674      |

## Metals

- 2a -

### INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: G Environmental SDG No.: Q1945  
Contract: GENV01 Lab Code: CHEM Case No.: Q1945 SAS No.: Q1945  
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 |
|-----------|-----------|----------------|------------|---------------|---------------------------|---|------------------|------------------|---------------|
| CCV08     | Selenium  | 4800           | 5000       | 96            | 90 - 110                  | P | 05/05/2025       | 21:07            | LB135674      |
|           | Silver    | 1180           | 1250       | 94            | 90 - 110                  | P | 05/05/2025       | 21:07            | LB135674      |
|           | Sodium    | 23700          | 25000      | 95            | 90 - 110                  | P | 05/05/2025       | 21:07            | LB135674      |
|           | Thallium  | 4670           | 5000       | 94            | 90 - 110                  | P | 05/05/2025       | 21:07            | LB135674      |
|           | Vanadium  | 2340           | 2500       | 94            | 90 - 110                  | P | 05/05/2025       | 21:07            | LB135674      |
|           | Zinc      | 2350           | 2500       | 94            | 90 - 110                  | P | 05/05/2025       | 21:07            | LB135674      |
| CCV09     | Aluminum  | 9270           | 10000      | 93            | 90 - 110                  | P | 05/05/2025       | 21:59            | LB135674      |
|           | Antimony  | 4680           | 5000       | 94            | 90 - 110                  | P | 05/05/2025       | 21:59            | LB135674      |
|           | Arsenic   | 4740           | 5000       | 95            | 90 - 110                  | P | 05/05/2025       | 21:59            | LB135674      |
|           | Barium    | 9390           | 10000      | 94            | 90 - 110                  | P | 05/05/2025       | 21:59            | LB135674      |
|           | Beryllium | 242            | 250        | 97            | 90 - 110                  | P | 05/05/2025       | 21:59            | LB135674      |
|           | Cadmium   | 2410           | 2500       | 97            | 90 - 110                  | P | 05/05/2025       | 21:59            | LB135674      |
|           | Calcium   | 23600          | 25000      | 94            | 90 - 110                  | P | 05/05/2025       | 21:59            | LB135674      |
|           | Chromium  | 959            | 1000       | 96            | 90 - 110                  | P | 05/05/2025       | 21:59            | LB135674      |
|           | Cobalt    | 2380           | 2500       | 95            | 90 - 110                  | P | 05/05/2025       | 21:59            | LB135674      |
|           | Copper    | 1180           | 1250       | 95            | 90 - 110                  | P | 05/05/2025       | 21:59            | LB135674      |
|           | Iron      | 4770           | 5000       | 95            | 90 - 110                  | P | 05/05/2025       | 21:59            | LB135674      |
|           | Lead      | 4810           | 5000       | 96            | 90 - 110                  | P | 05/05/2025       | 21:59            | LB135674      |
|           | Magnesium | 23700          | 25000      | 95            | 90 - 110                  | P | 05/05/2025       | 21:59            | LB135674      |
|           | Manganese | 2370           | 2500       | 95            | 90 - 110                  | P | 05/05/2025       | 21:59            | LB135674      |
|           | Nickel    | 2410           | 2500       | 96            | 90 - 110                  | P | 05/05/2025       | 21:59            | LB135674      |
|           | Potassium | 23200          | 25000      | 93            | 90 - 110                  | P | 05/05/2025       | 21:59            | LB135674      |
|           | Selenium  | 4740           | 5000       | 95            | 90 - 110                  | P | 05/05/2025       | 21:59            | LB135674      |
|           | Silver    | 1190           | 1250       | 95            | 90 - 110                  | P | 05/05/2025       | 21:59            | LB135674      |
|           | Sodium    | 23000          | 25000      | 92            | 90 - 110                  | P | 05/05/2025       | 21:59            | LB135674      |
|           | Thallium  | 4640           | 5000       | 93            | 90 - 110                  | P | 05/05/2025       | 21:59            | LB135674      |
|           | Vanadium  | 2360           | 2500       | 94            | 90 - 110                  | P | 05/05/2025       | 21:59            | LB135674      |
|           | Zinc      | 2320           | 2500       | 93            | 90 - 110                  | P | 05/05/2025       | 21:59            | LB135674      |
| CCV10     | Aluminum  | 9230           | 10000      | 92            | 90 - 110                  | P | 05/05/2025       | 22:33            | LB135674      |
|           | Antimony  | 4720           | 5000       | 94            | 90 - 110                  | P | 05/05/2025       | 22:33            | LB135674      |
|           | Arsenic   | 4740           | 5000       | 95            | 90 - 110                  | P | 05/05/2025       | 22:33            | LB135674      |
|           | Barium    | 9090           | 10000      | 91            | 90 - 110                  | P | 05/05/2025       | 22:33            | LB135674      |
|           | Beryllium | 239            | 250        | 96            | 90 - 110                  | P | 05/05/2025       | 22:33            | LB135674      |
|           | Cadmium   | 2380           | 2500       | 95            | 90 - 110                  | P | 05/05/2025       | 22:33            | LB135674      |

**Metals**

- 2a -

**INITIAL AND CONTINUING CALIBRATION VERIFICATION**

**Client:** G Environmental **SDG No.:** Q1945  
**Contract:** GENV01 **Lab Code:** CHEM **Case No.:** Q1945 **SAS No.:** Q1945  
**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 |
|-----------|-----------|----------------|------------|---------------|---------------------------|---|------------------|------------------|---------------|
| CCV10     | Calcium   | 23300          | 25000      | 93            | 90 - 110                  | P | 05/05/2025       | 22:33            | LB135674      |
|           | Chromium  | 967            | 1000       | 97            | 90 - 110                  | P | 05/05/2025       | 22:33            | LB135674      |
|           | Cobalt    | 2360           | 2500       | 94            | 90 - 110                  | P | 05/05/2025       | 22:33            | LB135674      |
|           | Copper    | 1180           | 1250       | 95            | 90 - 110                  | P | 05/05/2025       | 22:33            | LB135674      |
|           | Iron      | 4620           | 5000       | 92            | 90 - 110                  | P | 05/05/2025       | 22:33            | LB135674      |
|           | Lead      | 4750           | 5000       | 95            | 90 - 110                  | P | 05/05/2025       | 22:33            | LB135674      |
|           | Magnesium | 23600          | 25000      | 94            | 90 - 110                  | P | 05/05/2025       | 22:33            | LB135674      |
|           | Manganese | 2300           | 2500       | 92            | 90 - 110                  | P | 05/05/2025       | 22:33            | LB135674      |
|           | Nickel    | 2370           | 2500       | 95            | 90 - 110                  | P | 05/05/2025       | 22:33            | LB135674      |
|           | Potassium | 22800          | 25000      | 91            | 90 - 110                  | P | 05/05/2025       | 22:33            | LB135674      |
|           | Selenium  | 4730           | 5000       | 95            | 90 - 110                  | P | 05/05/2025       | 22:33            | LB135674      |
|           | Silver    | 1180           | 1250       | 94            | 90 - 110                  | P | 05/05/2025       | 22:33            | LB135674      |
|           | Sodium    | 23300          | 25000      | 93            | 90 - 110                  | P | 05/05/2025       | 22:33            | LB135674      |
|           | Thallium  | 4550           | 5000       | 91            | 90 - 110                  | P | 05/05/2025       | 22:33            | LB135674      |
|           | Vanadium  | 2330           | 2500       | 93            | 90 - 110                  | P | 05/05/2025       | 22:33            | LB135674      |
|           | Zinc      | 2330           | 2500       | 93            | 90 - 110                  | P | 05/05/2025       | 22:33            | LB135674      |

**Metals**

- 2a -

**INITIAL AND CONTINUING CALIBRATION VERIFICATION**

**Client:** G Environmental **SDG No.:** Q1945  
**Contract:** GENV01 **Lab Code:** CHEM **Case No.:** Q1945 **SAS No.:** Q1945  
**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  | 2400           | 2500       | 96            | 90 - 110                  | P | 05/06/2025       | 14:47            | LB135689      |
|           | Antimony  | 972            | 1000       | 97            | 90 - 110                  | P | 05/06/2025       | 14:47            | LB135689      |
|           | Arsenic   | 976            | 1000       | 98            | 90 - 110                  | P | 05/06/2025       | 14:47            | LB135689      |
|           | Barium    | 531            | 520        | 102           | 90 - 110                  | P | 05/06/2025       | 14:47            | LB135689      |
|           | Beryllium | 552            | 510        | 108           | 90 - 110                  | P | 05/06/2025       | 14:47            | LB135689      |
|           | Cadmium   | 498            | 510        | 98            | 90 - 110                  | P | 05/06/2025       | 14:47            | LB135689      |
|           | Calcium   | 9500           | 10000      | 95            | 90 - 110                  | P | 05/06/2025       | 14:47            | LB135689      |
|           | Chromium  | 498            | 520        | 96            | 90 - 110                  | P | 05/06/2025       | 14:47            | LB135689      |
|           | Cobalt    | 487            | 520        | 94            | 90 - 110                  | P | 05/06/2025       | 14:47            | LB135689      |
|           | Copper    | 500            | 510        | 98            | 90 - 110                  | P | 05/06/2025       | 14:47            | LB135689      |
|           | Iron      | 10500          | 10000      | 105           | 90 - 110                  | P | 05/06/2025       | 14:47            | LB135689      |
|           | Lead      | 975            | 1000       | 98            | 90 - 110                  | P | 05/06/2025       | 14:47            | LB135689      |
|           | Magnesium | 5640           | 6000       | 94            | 90 - 110                  | P | 05/06/2025       | 14:47            | LB135689      |
|           | Manganese | 493            | 520        | 95            | 90 - 110                  | P | 05/06/2025       | 14:47            | LB135689      |
|           | Nickel    | 492            | 530        | 93            | 90 - 110                  | P | 05/06/2025       | 14:47            | LB135689      |
|           | Potassium | 10100          | 9900       | 102           | 90 - 110                  | P | 05/06/2025       | 14:47            | LB135689      |
|           | Selenium  | 1000           | 1000       | 100           | 90 - 110                  | P | 05/06/2025       | 14:47            | LB135689      |
|           | Silver    | 232            | 250        | 93            | 90 - 110                  | P | 05/06/2025       | 14:47            | LB135689      |
|           | Sodium    | 10000          | 10000      | 100           | 90 - 110                  | P | 05/06/2025       | 14:47            | LB135689      |
|           | Thallium  | 1000           | 1000       | 100           | 90 - 110                  | P | 05/06/2025       | 14:47            | LB135689      |
|           | Vanadium  | 478            | 500        | 96            | 90 - 110                  | P | 05/06/2025       | 14:47            | LB135689      |
|           | Zinc      | 975            | 1000       | 98            | 90 - 110                  | P | 05/06/2025       | 14:47            | LB135689      |

## Metals

- 2a -

### INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: G Environmental SDG No.: Q1945  
 Contract: GENV01 Lab Code: CHEM Case No.: Q1945 SAS No.: Q1945  
 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 | 05/06/2025       | 15:22            | LB135689      |
|           | Antimony  | 50.3           | 50.0       | 101           | 80 - 120                  | P | 05/06/2025       | 15:22            | LB135689      |
|           | Arsenic   | 18.2           | 20.0       | 91            | 80 - 120                  | P | 05/06/2025       | 15:22            | LB135689      |
|           | Barium    | 91.5           | 100        | 92            | 80 - 120                  | P | 05/06/2025       | 15:22            | LB135689      |
|           | Beryllium | 5.90           | 6.0        | 98            | 80 - 120                  | P | 05/06/2025       | 15:22            | LB135689      |
|           | Cadmium   | 5.98           | 6.0        | 100           | 80 - 120                  | P | 05/06/2025       | 15:22            | LB135689      |
|           | Calcium   | 1930           | 2000       | 96            | 80 - 120                  | P | 05/06/2025       | 15:22            | LB135689      |
|           | Chromium  | 9.31           | 10.0       | 93            | 80 - 120                  | P | 05/06/2025       | 15:22            | LB135689      |
|           | Cobalt    | 28.6           | 30.0       | 95            | 80 - 120                  | P | 05/06/2025       | 15:22            | LB135689      |
|           | Copper    | 21.1           | 20.0       | 106           | 80 - 120                  | P | 05/06/2025       | 15:22            | LB135689      |
|           | Iron      | 98.2           | 100        | 98            | 80 - 120                  | P | 05/06/2025       | 15:22            | LB135689      |
|           | Lead      | 11.1           | 12.0       | 92            | 80 - 120                  | P | 05/06/2025       | 15:22            | LB135689      |
|           | Magnesium | 2030           | 2000       | 102           | 80 - 120                  | P | 05/06/2025       | 15:22            | LB135689      |
|           | Manganese | 19.6           | 20.0       | 98            | 80 - 120                  | P | 05/06/2025       | 15:22            | LB135689      |
|           | Nickel    | 38.9           | 40.0       | 97            | 80 - 120                  | P | 05/06/2025       | 15:22            | LB135689      |
|           | Potassium | 1770           | 2000       | 88            | 80 - 120                  | P | 05/06/2025       | 15:22            | LB135689      |
|           | Selenium  | 19.1           | 20.0       | 95            | 80 - 120                  | P | 05/06/2025       | 15:22            | LB135689      |
|           | Silver    | 9.80           | 10.0       | 98            | 80 - 120                  | P | 05/06/2025       | 15:22            | LB135689      |
|           | Sodium    | 1790           | 2000       | 89            | 80 - 120                  | P | 05/06/2025       | 15:22            | LB135689      |
|           | Thallium  | 39.9           | 40.0       | 100           | 80 - 120                  | P | 05/06/2025       | 15:22            | LB135689      |
|           | Vanadium  | 38.0           | 40.0       | 95            | 80 - 120                  | P | 05/06/2025       | 15:22            | LB135689      |
|           | Zinc      | 40.4           | 40.0       | 101           | 80 - 120                  | P | 05/06/2025       | 15:22            | LB135689      |

## Metals

- 2a -

### INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: G Environmental SDG No.: Q1945  
Contract: GENV01 Lab Code: CHEM Case No.: Q1945 SAS No.: Q1945  
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  | 9630           | 10000      | 96            | 90 - 110                  | P | 05/06/2025       | 16:29            | LB135689      |
|           | Antimony  | 4790           | 5000       | 96            | 90 - 110                  | P | 05/06/2025       | 16:29            | LB135689      |
|           | Arsenic   | 4780           | 5000       | 96            | 90 - 110                  | P | 05/06/2025       | 16:29            | LB135689      |
|           | Barium    | 9340           | 10000      | 93            | 90 - 110                  | P | 05/06/2025       | 16:29            | LB135689      |
|           | Beryllium | 249            | 250        | 100           | 90 - 110                  | P | 05/06/2025       | 16:29            | LB135689      |
|           | Cadmium   | 2390           | 2500       | 95            | 90 - 110                  | P | 05/06/2025       | 16:29            | LB135689      |
|           | Calcium   | 23900          | 25000      | 96            | 90 - 110                  | P | 05/06/2025       | 16:29            | LB135689      |
|           | Chromium  | 998            | 1000       | 100           | 90 - 110                  | P | 05/06/2025       | 16:29            | LB135689      |
|           | Cobalt    | 2390           | 2500       | 96            | 90 - 110                  | P | 05/06/2025       | 16:29            | LB135689      |
|           | Copper    | 1210           | 1250       | 97            | 90 - 110                  | P | 05/06/2025       | 16:29            | LB135689      |
|           | Iron      | 5040           | 5000       | 101           | 90 - 110                  | P | 05/06/2025       | 16:29            | LB135689      |
|           | Lead      | 5030           | 5000       | 101           | 90 - 110                  | P | 05/06/2025       | 16:29            | LB135689      |
|           | Magnesium | 23900          | 25000      | 95            | 90 - 110                  | P | 05/06/2025       | 16:29            | LB135689      |
|           | Manganese | 2400           | 2500       | 96            | 90 - 110                  | P | 05/06/2025       | 16:29            | LB135689      |
|           | Nickel    | 2400           | 2500       | 96            | 90 - 110                  | P | 05/06/2025       | 16:29            | LB135689      |
|           | Potassium | 23900          | 25000      | 95            | 90 - 110                  | P | 05/06/2025       | 16:29            | LB135689      |
|           | Selenium  | 4800           | 5000       | 96            | 90 - 110                  | P | 05/06/2025       | 16:29            | LB135689      |
|           | Silver    | 1240           | 1250       | 99            | 90 - 110                  | P | 05/06/2025       | 16:29            | LB135689      |
|           | Sodium    | 24100          | 25000      | 96            | 90 - 110                  | P | 05/06/2025       | 16:29            | LB135689      |
|           | Thallium  | 4670           | 5000       | 94            | 90 - 110                  | P | 05/06/2025       | 16:29            | LB135689      |
| CCV02     | Vanadium  | 2400           | 2500       | 96            | 90 - 110                  | P | 05/06/2025       | 16:29            | LB135689      |
|           | Zinc      | 2470           | 2500       | 99            | 90 - 110                  | P | 05/06/2025       | 16:29            | LB135689      |
|           | Aluminum  | 9480           | 10000      | 95            | 90 - 110                  | P | 05/06/2025       | 17:15            | LB135689      |
|           | Antimony  | 4750           | 5000       | 95            | 90 - 110                  | P | 05/06/2025       | 17:15            | LB135689      |
|           | Arsenic   | 4730           | 5000       | 95            | 90 - 110                  | P | 05/06/2025       | 17:15            | LB135689      |
|           | Barium    | 9710           | 10000      | 97            | 90 - 110                  | P | 05/06/2025       | 17:15            | LB135689      |
|           | Beryllium | 237            | 250        | 95            | 90 - 110                  | P | 05/06/2025       | 17:15            | LB135689      |
|           | Cadmium   | 2390           | 2500       | 96            | 90 - 110                  | P | 05/06/2025       | 17:15            | LB135689      |
|           | Calcium   | 24000          | 25000      | 96            | 90 - 110                  | P | 05/06/2025       | 17:15            | LB135689      |
|           | Chromium  | 962            | 1000       | 96            | 90 - 110                  | P | 05/06/2025       | 17:15            | LB135689      |
|           | Cobalt    | 2390           | 2500       | 96            | 90 - 110                  | P | 05/06/2025       | 17:15            | LB135689      |
|           | Copper    | 1200           | 1250       | 96            | 90 - 110                  | P | 05/06/2025       | 17:15            | LB135689      |
|           | Iron      | 5000           | 5000       | 100           | 90 - 110                  | P | 05/06/2025       | 17:15            | LB135689      |
|           | Lead      | 4890           | 5000       | 98            | 90 - 110                  | P | 05/06/2025       | 17:15            | LB135689      |

## Metals

- 2a -

### INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: G Environmental SDG No.: Q1945  
Contract: GENV01 Lab Code: CHEM Case No.: Q1945 SAS No.: Q1945  
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 | 23700          | 25000      | 95            | 90 - 110                  | P | 05/06/2025       | 17:15            | LB135689      |
|           | Manganese | 2410           | 2500       | 96            | 90 - 110                  | P | 05/06/2025       | 17:15            | LB135689      |
|           | Nickel    | 2390           | 2500       | 96            | 90 - 110                  | P | 05/06/2025       | 17:15            | LB135689      |
|           | Potassium | 24100          | 25000      | 96            | 90 - 110                  | P | 05/06/2025       | 17:15            | LB135689      |
|           | Selenium  | 4750           | 5000       | 95            | 90 - 110                  | P | 05/06/2025       | 17:15            | LB135689      |
|           | Silver    | 1200           | 1250       | 96            | 90 - 110                  | P | 05/06/2025       | 17:15            | LB135689      |
|           | Sodium    | 24100          | 25000      | 96            | 90 - 110                  | P | 05/06/2025       | 17:15            | LB135689      |
|           | Thallium  | 4770           | 5000       | 96            | 90 - 110                  | P | 05/06/2025       | 17:15            | LB135689      |
|           | Vanadium  | 2390           | 2500       | 95            | 90 - 110                  | P | 05/06/2025       | 17:15            | LB135689      |
|           | Zinc      | 2410           | 2500       | 96            | 90 - 110                  | P | 05/06/2025       | 17:15            | LB135689      |
| CCV03     | Aluminum  | 9460           | 10000      | 95            | 90 - 110                  | P | 05/06/2025       | 18:08            | LB135689      |
|           | Antimony  | 4590           | 5000       | 92            | 90 - 110                  | P | 05/06/2025       | 18:08            | LB135689      |
|           | Arsenic   | 4570           | 5000       | 92            | 90 - 110                  | P | 05/06/2025       | 18:08            | LB135689      |
|           | Barium    | 9450           | 10000      | 94            | 90 - 110                  | P | 05/06/2025       | 18:08            | LB135689      |
|           | Beryllium | 240            | 250        | 96            | 90 - 110                  | P | 05/06/2025       | 18:08            | LB135689      |
|           | Cadmium   | 2340           | 2500       | 94            | 90 - 110                  | P | 05/06/2025       | 18:08            | LB135689      |
|           | Calcium   | 23700          | 25000      | 95            | 90 - 110                  | P | 05/06/2025       | 18:08            | LB135689      |
|           | Chromium  | 954            | 1000       | 95            | 90 - 110                  | P | 05/06/2025       | 18:08            | LB135689      |
|           | Cobalt    | 2340           | 2500       | 94            | 90 - 110                  | P | 05/06/2025       | 18:08            | LB135689      |
|           | Copper    | 1170           | 1250       | 94            | 90 - 110                  | P | 05/06/2025       | 18:08            | LB135689      |
|           | Iron      | 4700           | 5000       | 94            | 90 - 110                  | P | 05/06/2025       | 18:08            | LB135689      |
|           | Lead      | 4690           | 5000       | 94            | 90 - 110                  | P | 05/06/2025       | 18:08            | LB135689      |
|           | Magnesium | 23600          | 25000      | 94            | 90 - 110                  | P | 05/06/2025       | 18:08            | LB135689      |
|           | Manganese | 2390           | 2500       | 95            | 90 - 110                  | P | 05/06/2025       | 18:08            | LB135689      |
|           | Nickel    | 2340           | 2500       | 94            | 90 - 110                  | P | 05/06/2025       | 18:08            | LB135689      |
|           | Potassium | 23200          | 25000      | 93            | 90 - 110                  | P | 05/06/2025       | 18:08            | LB135689      |
|           | Selenium  | 4550           | 5000       | 91            | 90 - 110                  | P | 05/06/2025       | 18:08            | LB135689      |
|           | Silver    | 1180           | 1250       | 94            | 90 - 110                  | P | 05/06/2025       | 18:08            | LB135689      |
|           | Sodium    | 23300          | 25000      | 93            | 90 - 110                  | P | 05/06/2025       | 18:08            | LB135689      |
|           | Thallium  | 4710           | 5000       | 94            | 90 - 110                  | P | 05/06/2025       | 18:08            | LB135689      |
|           | Vanadium  | 2360           | 2500       | 94            | 90 - 110                  | P | 05/06/2025       | 18:08            | LB135689      |
|           | Zinc      | 2370           | 2500       | 95            | 90 - 110                  | P | 05/06/2025       | 18:08            | LB135689      |
| CCV04     | Aluminum  | 9960           | 10000      | 100           | 90 - 110                  | P | 05/06/2025       | 19:16            | LB135689      |
|           | Antimony  | 4840           | 5000       | 97            | 90 - 110                  | P | 05/06/2025       | 19:16            | LB135689      |



# Metals

- 2a -

## INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: G Environmental SDG No.: Q1945  
 Contract: GENV01 Lab Code: CHEM Case No.: Q1945 SAS No.: Q1945  
 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   | 4840           | 5000       | 97            | 90 - 110                  | P | 05/06/2025       | 19:16            | LB135689      |
|           | Barium    | 9930           | 10000      | 99            | 90 - 110                  | P | 05/06/2025       | 19:16            | LB135689      |
|           | Beryllium | 264            | 250        | 106           | 90 - 110                  | P | 05/06/2025       | 19:16            | LB135689      |
|           | Cadmium   | 2470           | 2500       | 99            | 90 - 110                  | P | 05/06/2025       | 19:16            | LB135689      |
|           | Calcium   | 25000          | 25000      | 100           | 90 - 110                  | P | 05/06/2025       | 19:16            | LB135689      |
|           | Chromium  | 988            | 1000       | 99            | 90 - 110                  | P | 05/06/2025       | 19:16            | LB135689      |
|           | Cobalt    | 2470           | 2500       | 99            | 90 - 110                  | P | 05/06/2025       | 19:16            | LB135689      |
|           | Copper    | 1240           | 1250       | 99            | 90 - 110                  | P | 05/06/2025       | 19:16            | LB135689      |
|           | Iron      | 4820           | 5000       | 96            | 90 - 110                  | P | 05/06/2025       | 19:16            | LB135689      |
|           | Lead      | 4970           | 5000       | 99            | 90 - 110                  | P | 05/06/2025       | 19:16            | LB135689      |
|           | Magnesium | 24900          | 25000      | 100           | 90 - 110                  | P | 05/06/2025       | 19:16            | LB135689      |
|           | Manganese | 2530           | 2500       | 101           | 90 - 110                  | P | 05/06/2025       | 19:16            | LB135689      |
|           | Nickel    | 2470           | 2500       | 99            | 90 - 110                  | P | 05/06/2025       | 19:16            | LB135689      |
|           | Potassium | 23600          | 25000      | 94            | 90 - 110                  | P | 05/06/2025       | 19:16            | LB135689      |
|           | Selenium  | 4820           | 5000       | 96            | 90 - 110                  | P | 05/06/2025       | 19:16            | LB135689      |
|           | Silver    | 1240           | 1250       | 99            | 90 - 110                  | P | 05/06/2025       | 19:16            | LB135689      |
|           | Sodium    | 23500          | 25000      | 94            | 90 - 110                  | P | 05/06/2025       | 19:16            | LB135689      |
|           | Thallium  | 4760           | 5000       | 95            | 90 - 110                  | P | 05/06/2025       | 19:16            | LB135689      |
|           | Vanadium  | 2470           | 2500       | 99            | 90 - 110                  | P | 05/06/2025       | 19:16            | LB135689      |
|           | Zinc      | 2490           | 2500       | 100           | 90 - 110                  | P | 05/06/2025       | 19:16            | LB135689      |
| CCV05     | Aluminum  | 10000          | 10000      | 100           | 90 - 110                  | P | 05/06/2025       | 20:01            | LB135689      |
|           | Antimony  | 4800           | 5000       | 96            | 90 - 110                  | P | 05/06/2025       | 20:01            | LB135689      |
|           | Arsenic   | 4780           | 5000       | 96            | 90 - 110                  | P | 05/06/2025       | 20:01            | LB135689      |
|           | Barium    | 9940           | 10000      | 99            | 90 - 110                  | P | 05/06/2025       | 20:01            | LB135689      |
|           | Beryllium | 260            | 250        | 104           | 90 - 110                  | P | 05/06/2025       | 20:01            | LB135689      |
|           | Cadmium   | 2460           | 2500       | 99            | 90 - 110                  | P | 05/06/2025       | 20:01            | LB135689      |
|           | Calcium   | 25000          | 25000      | 100           | 90 - 110                  | P | 05/06/2025       | 20:01            | LB135689      |
|           | Chromium  | 995            | 1000       | 100           | 90 - 110                  | P | 05/06/2025       | 20:01            | LB135689      |
|           | Cobalt    | 2450           | 2500       | 98            | 90 - 110                  | P | 05/06/2025       | 20:01            | LB135689      |
|           | Copper    | 1230           | 1250       | 98            | 90 - 110                  | P | 05/06/2025       | 20:01            | LB135689      |
|           | Iron      | 4860           | 5000       | 97            | 90 - 110                  | P | 05/06/2025       | 20:01            | LB135689      |
|           | Lead      | 4900           | 5000       | 98            | 90 - 110                  | P | 05/06/2025       | 20:01            | LB135689      |
|           | Magnesium | 25000          | 25000      | 100           | 90 - 110                  | P | 05/06/2025       | 20:01            | LB135689      |
|           | Manganese | 2520           | 2500       | 101           | 90 - 110                  | P | 05/06/2025       | 20:01            | LB135689      |

# Metals

- 2a -

## INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: G Environmental      SDG No.: Q1945  
 Contract: GENV01      Lab Code: CHEM      Case No.: Q1945      SAS No.: Q1945  
 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     | Nickel    | 2450           | 2500       | 98            | 90 - 110                  | P | 05/06/2025       | 20:01            | LB135689      |
|           | Potassium | 23700          | 25000      | 95            | 90 - 110                  | P | 05/06/2025       | 20:01            | LB135689      |
|           | Selenium  | 4730           | 5000       | 95            | 90 - 110                  | P | 05/06/2025       | 20:01            | LB135689      |
|           | Silver    | 1230           | 1250       | 99            | 90 - 110                  | P | 05/06/2025       | 20:01            | LB135689      |
|           | Sodium    | 23700          | 25000      | 95            | 90 - 110                  | P | 05/06/2025       | 20:01            | LB135689      |
|           | Thallium  | 4800           | 5000       | 96            | 90 - 110                  | P | 05/06/2025       | 20:01            | LB135689      |
|           | Vanadium  | 2470           | 2500       | 99            | 90 - 110                  | P | 05/06/2025       | 20:01            | LB135689      |
|           | Zinc      | 2480           | 2500       | 99            | 90 - 110                  | P | 05/06/2025       | 20:01            | LB135689      |
| CCV06     | Aluminum  | 9830           | 10000      | 98            | 90 - 110                  | P | 05/06/2025       | 20:31            | LB135689      |
|           | Antimony  | 4880           | 5000       | 98            | 90 - 110                  | P | 05/06/2025       | 20:31            | LB135689      |
|           | Arsenic   | 4840           | 5000       | 97            | 90 - 110                  | P | 05/06/2025       | 20:31            | LB135689      |
|           | Barium    | 9850           | 10000      | 98            | 90 - 110                  | P | 05/06/2025       | 20:31            | LB135689      |
|           | Beryllium | 241            | 250        | 96            | 90 - 110                  | P | 05/06/2025       | 20:31            | LB135689      |
|           | Cadmium   | 2440           | 2500       | 98            | 90 - 110                  | P | 05/06/2025       | 20:31            | LB135689      |
|           | Calcium   | 24400          | 25000      | 98            | 90 - 110                  | P | 05/06/2025       | 20:31            | LB135689      |
|           | Chromium  | 975            | 1000       | 98            | 90 - 110                  | P | 05/06/2025       | 20:31            | LB135689      |
|           | Cobalt    | 2430           | 2500       | 97            | 90 - 110                  | P | 05/06/2025       | 20:31            | LB135689      |
|           | Copper    | 1240           | 1250       | 99            | 90 - 110                  | P | 05/06/2025       | 20:31            | LB135689      |
|           | Iron      | 4920           | 5000       | 98            | 90 - 110                  | P | 05/06/2025       | 20:31            | LB135689      |
|           | Lead      | 4870           | 5000       | 97            | 90 - 110                  | P | 05/06/2025       | 20:31            | LB135689      |
|           | Magnesium | 24300          | 25000      | 97            | 90 - 110                  | P | 05/06/2025       | 20:31            | LB135689      |
|           | Manganese | 2440           | 2500       | 98            | 90 - 110                  | P | 05/06/2025       | 20:31            | LB135689      |
|           | Nickel    | 2430           | 2500       | 97            | 90 - 110                  | P | 05/06/2025       | 20:31            | LB135689      |
|           | Potassium | 24200          | 25000      | 97            | 90 - 110                  | P | 05/06/2025       | 20:31            | LB135689      |
|           | Selenium  | 4820           | 5000       | 96            | 90 - 110                  | P | 05/06/2025       | 20:31            | LB135689      |
|           | Silver    | 1210           | 1250       | 97            | 90 - 110                  | P | 05/06/2025       | 20:31            | LB135689      |
|           | Sodium    | 24400          | 25000      | 98            | 90 - 110                  | P | 05/06/2025       | 20:31            | LB135689      |
|           | Thallium  | 4750           | 5000       | 95            | 90 - 110                  | P | 05/06/2025       | 20:31            | LB135689      |
|           | Vanadium  | 2430           | 2500       | 97            | 90 - 110                  | P | 05/06/2025       | 20:31            | LB135689      |
|           | Zinc      | 2440           | 2500       | 98            | 90 - 110                  | P | 05/06/2025       | 20:31            | LB135689      |

# Metals

- 2b -

## CRDL STANDARD FOR AA & ICP

Client: G Environmental SDG No.: Q1945  
Contract: GENV01 Lab Code: CHEM Case No.: Q1945 SAS No.: Q1945  
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 | 05/05/2025       | 11:33            | LB135662      |
| CRI01     | Aluminum  | 99.6           | 100                | 100           | 40 - 160                  | P  | 05/05/2025       | 14:47            | LB135674      |
|           | Antimony  | 52.8           | 50.0               | 106           | 40 - 160                  | P  | 05/05/2025       | 14:47            | LB135674      |
|           | Arsenic   | 20.6           | 20.0               | 103           | 40 - 160                  | P  | 05/05/2025       | 14:47            | LB135674      |
|           | Barium    | 92.2           | 100                | 92            | 40 - 160                  | P  | 05/05/2025       | 14:47            | LB135674      |
|           | Beryllium | 5.85           | 6.0                | 98            | 40 - 160                  | P  | 05/05/2025       | 14:47            | LB135674      |
|           | Cadmium   | 5.79           | 6.0                | 96            | 40 - 160                  | P  | 05/05/2025       | 14:47            | LB135674      |
|           | Calcium   | 2000           | 2000               | 100           | 40 - 160                  | P  | 05/05/2025       | 14:47            | LB135674      |
|           | Chromium  | 10.3           | 10.0               | 103           | 40 - 160                  | P  | 05/05/2025       | 14:47            | LB135674      |
|           | Cobalt    | 29.6           | 30.0               | 99            | 40 - 160                  | P  | 05/05/2025       | 14:47            | LB135674      |
|           | Copper    | 22.4           | 20.0               | 112           | 40 - 160                  | P  | 05/05/2025       | 14:47            | LB135674      |
|           | Iron      | 93.9           | 100                | 94            | 40 - 160                  | P  | 05/05/2025       | 14:47            | LB135674      |
|           | Lead      | 11.2           | 12.0               | 93            | 40 - 160                  | P  | 05/05/2025       | 14:47            | LB135674      |
|           | Magnesium | 2100           | 2000               | 105           | 40 - 160                  | P  | 05/05/2025       | 14:47            | LB135674      |
|           | Manganese | 18.0           | 20.0               | 90            | 40 - 160                  | P  | 05/05/2025       | 14:47            | LB135674      |
|           | Nickel    | 39.9           | 40.0               | 100           | 40 - 160                  | P  | 05/05/2025       | 14:47            | LB135674      |
|           | Potassium | 2020           | 2000               | 101           | 40 - 160                  | P  | 05/05/2025       | 14:47            | LB135674      |
|           | Selenium  | 22.8           | 20.0               | 114           | 40 - 160                  | P  | 05/05/2025       | 14:47            | LB135674      |
|           | Silver    | 10.3           | 10.0               | 103           | 40 - 160                  | P  | 05/05/2025       | 14:47            | LB135674      |
|           | Sodium    | 2000           | 2000               | 100           | 40 - 160                  | P  | 05/05/2025       | 14:47            | LB135674      |
|           | Thallium  | 42.8           | 40.0               | 107           | 40 - 160                  | P  | 05/05/2025       | 14:47            | LB135674      |
|           | Vanadium  | 41.7           | 40.0               | 104           | 40 - 160                  | P  | 05/05/2025       | 14:47            | LB135674      |
|           | Zinc      | 42.7           | 40.0               | 107           | 40 - 160                  | P  | 05/05/2025       | 14:47            | LB135674      |
| CRI01     | Aluminum  | 102            | 100                | 102           | 40 - 160                  | P  | 05/06/2025       | 15:31            | LB135689      |
|           | Antimony  | 50.4           | 50.0               | 101           | 40 - 160                  | P  | 05/06/2025       | 15:31            | LB135689      |
|           | Arsenic   | 20.3           | 20.0               | 101           | 40 - 160                  | P  | 05/06/2025       | 15:31            | LB135689      |
|           | Barium    | 89.4           | 100                | 89            | 40 - 160                  | P  | 05/06/2025       | 15:31            | LB135689      |
|           | Beryllium | 5.91           | 6.0                | 98            | 40 - 160                  | P  | 05/06/2025       | 15:31            | LB135689      |
|           | Cadmium   | 5.91           | 6.0                | 98            | 40 - 160                  | P  | 05/06/2025       | 15:31            | LB135689      |
|           | Calcium   | 1950           | 2000               | 97            | 40 - 160                  | P  | 05/06/2025       | 15:31            | LB135689      |
|           | Chromium  | 9.54           | 10.0               | 95            | 40 - 160                  | P  | 05/06/2025       | 15:31            | LB135689      |
|           | Cobalt    | 28.3           | 30.0               | 94            | 40 - 160                  | P  | 05/06/2025       | 15:31            | LB135689      |
|           | Copper    | 21.6           | 20.0               | 108           | 40 - 160                  | P  | 05/06/2025       | 15:31            | LB135689      |
|           | Iron      | 95.6           | 100                | 96            | 40 - 160                  | P  | 05/06/2025       | 15:31            | LB135689      |
|           | Lead      | 10.0           | 12.0               | 83            | 40 - 160                  | P  | 05/06/2025       | 15:31            | LB135689      |

**Metals**

**- 2b -**

**CRDL STANDARD FOR AA & ICP**

**Client:** G Environmental **SDG No.:** Q1945  
**Contract:** GENV01 **Lab Code:** CHEM **Case No.:** Q1945 **SAS No.:** Q1945  
**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> | Magnesium | 2050           | 2000               | 102           | 40 - 160                  | P | 05/06/2025       | 15:31            | LB135689      |
|              | Manganese | 19.8           | 20.0               | 99            | 40 - 160                  | P | 05/06/2025       | 15:31            | LB135689      |
|              | Nickel    | 38.6           | 40.0               | 97            | 40 - 160                  | P | 05/06/2025       | 15:31            | LB135689      |
|              | Potassium | 1730           | 2000               | 87            | 40 - 160                  | P | 05/06/2025       | 15:31            | LB135689      |
|              | Selenium  | 22.5           | 20.0               | 112           | 40 - 160                  | P | 05/06/2025       | 15:31            | LB135689      |
|              | Silver    | 9.66           | 10.0               | 97            | 40 - 160                  | P | 05/06/2025       | 15:31            | LB135689      |
|              | Sodium    | 1760           | 2000               | 88            | 40 - 160                  | P | 05/06/2025       | 15:31            | LB135689      |
|              | Thallium  | 37.5           | 40.0               | 94            | 40 - 160                  | P | 05/06/2025       | 15:31            | LB135689      |
|              | Vanadium  | 39.4           | 40.0               | 98            | 40 - 160                  | P | 05/06/2025       | 15:31            | LB135689      |
|              | Zinc      | 39.7           | 40.0               | 99            | 40 - 160                  | P | 05/06/2025       | 15:31            | LB135689      |

**Metals**  
- 4 -  
**INTERFERENCE CHECK SAMPLE**

**Client:** G Environmental **SDG No.:** Q1945  
**Contract:** GENV01 **Lab Code:** CHEM **Case No.:** Q1945 **SAS No.:** Q1945  
**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 |
|----------------|-----------|----------------|--------------------|---------------|------------------------|-------------------------|------------------|------------------|---------------|
| <b>ICSA01</b>  | Aluminum  | 240000         | 255000             | 94            | 216000                 | 294000                  | 05/05/2025       | 14:52            | LB135674      |
|                | Antimony  | -3.42          |                    |               | -50                    | 50                      | 05/05/2025       | 14:52            | LB135674      |
|                | Arsenic   | 4.47           |                    |               | -20                    | 20                      | 05/05/2025       | 14:52            | LB135674      |
|                | Barium    | 0.40           | 6.0                | 7             | -94                    | 106                     | 05/05/2025       | 14:52            | LB135674      |
|                | Beryllium | 1.29           |                    |               | -6                     | 6                       | 05/05/2025       | 14:52            | LB135674      |
|                | Cadmium   | -1.99          | 1.0                | 199           | -5                     | 7                       | 05/05/2025       | 14:52            | LB135674      |
|                | Calcium   | 226000         | 245000             | 92            | 208000                 | 282000                  | 05/05/2025       | 14:52            | LB135674      |
|                | Chromium  | 53.8           | 52.0               | 104           | 42                     | 62                      | 05/05/2025       | 14:52            | LB135674      |
|                | Cobalt    | 1.10           |                    |               | -30                    | 30                      | 05/05/2025       | 14:52            | LB135674      |
|                | Copper    | 12.1           | 2.0                | 605           | -18                    | 22                      | 05/05/2025       | 14:52            | LB135674      |
|                | Iron      | 91500          | 101000             | 91            | 85600                  | 116500                  | 05/05/2025       | 14:52            | LB135674      |
|                | Lead      | -1.42          |                    |               | -12                    | 12                      | 05/05/2025       | 14:52            | LB135674      |
|                | Magnesium | 242000         | 255000             | 95            | 216000                 | 294000                  | 05/05/2025       | 14:52            | LB135674      |
|                | Manganese | 1.97           | 7.0                | 28            | -13                    | 27                      | 05/05/2025       | 14:52            | LB135674      |
|                | Nickel    | 1.16           | 2.0                | 58            | -38                    | 42                      | 05/05/2025       | 14:52            | LB135674      |
|                | Potassium | -11.6          |                    |               | 0                      | 0                       | 05/05/2025       | 14:52            | LB135674      |
|                | Selenium  | -15.2          |                    |               | -20                    | 20                      | 05/05/2025       | 14:52            | LB135674      |
|                | Silver    | 0.79           |                    |               | -10                    | 10                      | 05/05/2025       | 14:52            | LB135674      |
|                | Sodium    | 7.57           |                    |               | 0                      | 0                       | 05/05/2025       | 14:52            | LB135674      |
|                | Thallium  | 5.95           |                    |               | -40                    | 40                      | 05/05/2025       | 14:52            | LB135674      |
|                | Vanadium  | 1.94           |                    |               | -40                    | 40                      | 05/05/2025       | 14:52            | LB135674      |
|                | Zinc      | 3.23           |                    |               | -40                    | 40                      | 05/05/2025       | 14:52            | LB135674      |
| <b>ICSAB01</b> | Aluminum  | 233000         | 247000             | 94            | 209000                 | 285000                  | 05/05/2025       | 15:07            | LB135674      |
|                | Antimony  | 651            | 618                | 105           | 525                    | 711                     | 05/05/2025       | 15:07            | LB135674      |
|                | Arsenic   | 112            | 104                | 108           | 88.4                   | 120                     | 05/05/2025       | 15:07            | LB135674      |
|                | Barium    | 496            | 537                | 92            | 437                    | 637                     | 05/05/2025       | 15:07            | LB135674      |
|                | Beryllium | 504            | 495                | 102           | 420                    | 570                     | 05/05/2025       | 15:07            | LB135674      |
|                | Cadmium   | 1050           | 972                | 108           | 826                    | 1120                    | 05/05/2025       | 15:07            | LB135674      |
|                | Calcium   | 219000         | 235000             | 93            | 199000                 | 271000                  | 05/05/2025       | 15:07            | LB135674      |
|                | Chromium  | 572            | 542                | 106           | 460                    | 624                     | 05/05/2025       | 15:07            | LB135674      |
|                | Cobalt    | 517            | 476                | 109           | 404                    | 548                     | 05/05/2025       | 15:07            | LB135674      |
|                | Copper    | 520            | 511                | 102           | 434                    | 588                     | 05/05/2025       | 15:07            | LB135674      |
|                | Iron      | 93700          | 99300              | 94            | 84400                  | 114500                  | 05/05/2025       | 15:07            | LB135674      |
|                | Lead      | 48.4           | 49.0               | 99            | 37                     | 61                      | 05/05/2025       | 15:07            | LB135674      |
|                | Magnesium | 234000         | 248000             | 94            | 210000                 | 286000                  | 05/05/2025       | 15:07            | LB135674      |
|                | Manganese | 491            | 507                | 97            | 430                    | 584                     | 05/05/2025       | 15:07            | LB135674      |
|                | Nickel    | 1020           | 954                | 107           | 810                    | 1100                    | 05/05/2025       | 15:07            | LB135674      |
|                | Potassium | -13.2          |                    |               | 0                      | 0                       | 05/05/2025       | 15:07            | LB135674      |
|                | Selenium  | 35.7           | 46.0               | 78            | 26                     | 66                      | 05/05/2025       | 15:07            | LB135674      |
|                | Silver    | 195            | 201                | 97            | 170                    | 232                     | 05/05/2025       | 15:07            | LB135674      |
|                | Sodium    | -28.0          |                    |               | 0                      | 0                       | 05/05/2025       | 15:07            | LB135674      |
|                | Thallium  | 104            | 108                | 96            | 68                     | 148                     | 05/05/2025       | 15:07            | LB135674      |

**Metals**  
- 4 -  
**INTERFERENCE CHECK SAMPLE**

**Client:** G Environmental **SDG No.:** Q1945  
**Contract:** GENV01 **Lab Code:** CHEM **Case No.:** Q1945 **SAS No.:** Q1945  
**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  | 487            | 491                | 99            | 417                    | 565                     | 05/05/2025       | 15:07            | LB135674      |
|           | Zinc      | 1070           | 952                | 112           | 809                    | 1095                    | 05/05/2025       | 15:07            | LB135674      |
| ICSA01    | Aluminum  | 237000         | 255000             | 93            | 216000                 | 294000                  | 05/06/2025       | 15:50            | LB135689      |
|           | Antimony  | -1.78          |                    |               | -50                    | 50                      | 05/06/2025       | 15:50            | LB135689      |
|           | Arsenic   | 4.12           |                    |               | -20                    | 20                      | 05/06/2025       | 15:50            | LB135689      |
|           | Barium    | 2.93           | 6.0                | 49            | -94                    | 106                     | 05/06/2025       | 15:50            | LB135689      |
|           | Beryllium | 1.32           |                    |               | -6                     | 6                       | 05/06/2025       | 15:50            | LB135689      |
|           | Cadmium   | -2.60          | 1.0                | 260           | -5                     | 7                       | 05/06/2025       | 15:50            | LB135689      |
|           | Calcium   | 225000         | 245000             | 92            | 208000                 | 282000                  | 05/06/2025       | 15:50            | LB135689      |
|           | Chromium  | 52.9           | 52.0               | 102           | 42                     | 62                      | 05/06/2025       | 15:50            | LB135689      |
|           | Cobalt    | 0.63           |                    |               | -30                    | 30                      | 05/06/2025       | 15:50            | LB135689      |
|           | Copper    | -0.0080        | 2.0                |               | -18                    | 22                      | 05/06/2025       | 15:50            | LB135689      |
|           | Iron      | 91100          | 101000             | 90            | 85600                  | 116500                  | 05/06/2025       | 15:50            | LB135689      |
|           | Lead      | 0.71           |                    |               | -12                    | 12                      | 05/06/2025       | 15:50            | LB135689      |
|           | Magnesium | 240000         | 255000             | 94            | 216000                 | 294000                  | 05/06/2025       | 15:50            | LB135689      |
|           | Manganese | 1.70           | 7.0                | 24            | -13                    | 27                      | 05/06/2025       | 15:50            | LB135689      |
|           | Nickel    | 1.98           | 2.0                | 99            | -38                    | 42                      | 05/06/2025       | 15:50            | LB135689      |
|           | Potassium | -66.1          |                    |               | 0                      | 0                       | 05/06/2025       | 15:50            | LB135689      |
|           | Selenium  | -10.5          |                    |               | -20                    | 20                      | 05/06/2025       | 15:50            | LB135689      |
|           | Silver    | 0.23           |                    |               | -10                    | 10                      | 05/06/2025       | 15:50            | LB135689      |
|           | Sodium    | -51.3          |                    |               | 0                      | 0                       | 05/06/2025       | 15:50            | LB135689      |
|           | Thallium  | 4.79           |                    |               | -40                    | 40                      | 05/06/2025       | 15:50            | LB135689      |
|           | Vanadium  | 1.20           |                    |               | -40                    | 40                      | 05/06/2025       | 15:50            | LB135689      |
|           | Zinc      | 3.59           |                    |               | -40                    | 40                      | 05/06/2025       | 15:50            | LB135689      |
| ICSAB01   | Aluminum  | 230000         | 247000             | 93            | 209000                 | 285000                  | 05/06/2025       | 15:55            | LB135689      |
|           | Antimony  | 641            | 618                | 104           | 525                    | 711                     | 05/06/2025       | 15:55            | LB135689      |
|           | Arsenic   | 114            | 104                | 110           | 88.4                   | 120                     | 05/06/2025       | 15:55            | LB135689      |
|           | Barium    | 512            | 537                | 95            | 437                    | 637                     | 05/06/2025       | 15:55            | LB135689      |
|           | Beryllium | 505            | 495                | 102           | 420                    | 570                     | 05/06/2025       | 15:55            | LB135689      |
|           | Cadmium   | 1060           | 972                | 109           | 826                    | 1120                    | 05/06/2025       | 15:55            | LB135689      |
|           | Calcium   | 220000         | 235000             | 94            | 199000                 | 271000                  | 05/06/2025       | 15:55            | LB135689      |
|           | Chromium  | 576            | 542                | 106           | 460                    | 624                     | 05/06/2025       | 15:55            | LB135689      |
|           | Cobalt    | 523            | 476                | 110           | 404                    | 548                     | 05/06/2025       | 15:55            | LB135689      |
|           | Copper    | 516            | 511                | 101           | 434                    | 588                     | 05/06/2025       | 15:55            | LB135689      |
|           | Iron      | 94200          | 99300              | 95            | 84400                  | 114500                  | 05/06/2025       | 15:55            | LB135689      |
|           | Lead      | 48.7           | 49.0               | 99            | 37                     | 61                      | 05/06/2025       | 15:55            | LB135689      |
|           | Magnesium | 232000         | 248000             | 94            | 210000                 | 286000                  | 05/06/2025       | 15:55            | LB135689      |
|           | Manganese | 507            | 507                | 100           | 430                    | 584                     | 05/06/2025       | 15:55            | LB135689      |
|           | Nickel    | 1040           | 954                | 109           | 810                    | 1100                    | 05/06/2025       | 15:55            | LB135689      |
|           | Potassium | -56.0          |                    |               | 0                      | 0                       | 05/06/2025       | 15:55            | LB135689      |
|           | Selenium  | 41.3           | 46.0               | 90            | 26                     | 66                      | 05/06/2025       | 15:55            | LB135689      |
|           | Silver    | 195            | 201                | 97            | 170                    | 232                     | 05/06/2025       | 15:55            | LB135689      |

**Metals**  
**- 4 -**  
**INTERFERENCE CHECK SAMPLE**

**Client:** G Environmental **SDG No.:** Q1945  
**Contract:** GENV01 **Lab Code:** CHEM **Case No.:** Q1945 **SAS No.:** Q1945  
**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   | Sodium   | -60.0          |                    |               | 0                      | 0                       | 05/06/2025       | 15:55            | LB135689      |
|           | Thallium | 112            | 108                | 104           | 68                     | 148                     | 05/06/2025       | 15:55            | LB135689      |
|           | Vanadium | 498            | 491                | 101           | 417                    | 565                     | 05/06/2025       | 15:55            | LB135689      |
|           | Zinc     | 1070           | 952                | 112           | 809                    | 1095                    | 05/06/2025       | 15:55            | LB135689      |



# METAL QC DATA



**metals**  
**- 5a -**  
**MATRIX SPIKE SUMMARY**

**client:** G Environmental **level:** low **sdg no.:** Q1945  
**contract:** GENV01 **lab code:** CHEM **case no.:** Q1945 **sas no.:** Q1945  
**matrix:** Water **sample id:** Q1930-01 **client id:** WATER-TREATMENT-DISCHARGEMS  
**Percent Solids for Sample:** NA **Spiked ID:** Q1930-01MS **Percent Solids for Spike Sample:** NA

| Analyte   | Units | Acceptance<br>Limit %R | Spiked<br>Result | C | Sample<br>Result | C | Spike<br>Added | %<br>Recovery | Qual | M |
|-----------|-------|------------------------|------------------|---|------------------|---|----------------|---------------|------|---|
| Aluminum  | ug/L  | 75 - 125               | 14800            |   | 14300            |   | 1000           | 52            |      | P |
| Antimony  | ug/L  | 75 - 125               | 440              |   | 25.0             | U | 400            | 110           |      | P |
| Arsenic   | ug/L  | 75 - 125               | 428              |   | 10.0             | U | 400            | 107           |      | P |
| Barium    | ug/L  | 75 - 125               | 92.9             |   | 50.0             | U | 100            | 93            |      | P |
| Beryllium | ug/L  | 75 - 125               | 100              |   | 3.00             | U | 100            | 100           |      | P |
| Cadmium   | ug/L  | 75 - 125               | 107              |   | 3.00             | U | 100            | 107           |      | P |
| Calcium   | ug/L  | 75 - 125               | 8500             |   | 8400             |   | 500            | 21            |      | P |
| Chromium  | ug/L  | 75 - 125               | 345              |   | 156              |   | 200            | 94            |      | P |
| Cobalt    | ug/L  | 75 - 125               | 102              |   | 15.0             | U | 100            | 102           |      | P |
| Copper    | ug/L  | 75 - 125               | 151              |   | 17.4             |   | 150            | 89            |      | P |
| Iron      | ug/L  | 75 - 125               | 2190             |   | 668              |   | 1500           | 101           |      | P |
| Lead      | ug/L  | 75 - 125               | 492              |   | 6.00             | U | 500            | 98            |      | P |
| Magnesium | ug/L  | 75 - 125               | 2000             |   | 1150             |   | 1000           | 85            |      | P |
| Manganese | ug/L  | 75 - 125               | 99.1             |   | 4.86             | J | 100            | 94            |      | P |
| Nickel    | ug/L  | 75 - 125               | 267              |   | 12.9             | J | 250            | 101           |      | P |
| Potassium | ug/L  | 75 - 125               | 128000           |   | 129000           |   | 5000           | -38           |      | P |
| Selenium  | ug/L  | 75 - 125               | 1120             |   | 10.0             | U | 1000           | 112           |      | P |
| Silver    | ug/L  | 75 - 125               | 42.1             |   | 5.00             | U | 37.5           | 112           |      | P |
| Sodium    | ug/L  | 75 - 125               | 961000           |   | 1020000          |   | 1500           | -4061         |      | P |
| Thallium  | ug/L  | 75 - 125               | 907              |   | 20.0             | U | 1000           | 91            |      | P |
| Vanadium  | ug/L  | 75 - 125               | 146              |   | 20.0             | U | 150            | 97            |      | P |
| Zinc      | ug/L  | 75 - 125               | 157              |   | 49.2             |   | 100            | 108           |      | P |

**metals**  
**- 5a -**  
**MATRIX SPIKE DUPLICATE SUMMARY**

**client:** G Environmental **level:** low **sdg no.:** Q1945  
**contract:** GENV01 **lab code:** CHEM **case no.:** Q1945 **sas no.:** Q1945  
**matrix:** Water **sample id:** Q1930-01 **client id:** WATER-TREATMENT-DISCHARGEMSD  
**Percent Solids for Sample:** NA **Spiked ID:** Q1930-01MSD **Percent Solids for Spike Sample:** NA

| Analyte   | Units | Acceptance<br>Limit %R | MSD<br>Result | C | Sample<br>Result | C | Spike<br>Added | %<br>Recovery | Qual | M |
|-----------|-------|------------------------|---------------|---|------------------|---|----------------|---------------|------|---|
| Aluminum  | ug/L  | 75 - 125               | 14000         |   | 14300            |   | 1000           | -23           |      | P |
| Antimony  | ug/L  | 75 - 125               | 427           |   | 25.0             | U | 400            | 107           |      | P |
| Arsenic   | ug/L  | 75 - 125               | 436           |   | 10.0             | U | 400            | 109           |      | P |
| Barium    | ug/L  | 75 - 125               | 95.7          |   | 50.0             | U | 100            | 96            |      | P |
| Beryllium | ug/L  | 75 - 125               | 93.7          |   | 3.00             | U | 100            | 94            |      | P |
| Cadmium   | ug/L  | 75 - 125               | 108           |   | 3.00             | U | 100            | 108           |      | P |
| Calcium   | ug/L  | 75 - 125               | 8260          |   | 8400             |   | 500            | -29           |      | P |
| Chromium  | ug/L  | 75 - 125               | 341           |   | 156              |   | 200            | 93            |      | P |
| Cobalt    | ug/L  | 75 - 125               | 103           |   | 15.0             | U | 100            | 103           |      | P |
| Copper    | ug/L  | 75 - 125               | 152           |   | 17.4             |   | 150            | 90            |      | P |
| Iron      | ug/L  | 75 - 125               | 2280          |   | 668              |   | 1500           | 108           |      | P |
| Lead      | ug/L  | 75 - 125               | 495           |   | 6.00             | U | 500            | 99            |      | P |
| Magnesium | ug/L  | 75 - 125               | 1940          |   | 1150             |   | 1000           | 79            |      | P |
| Manganese | ug/L  | 75 - 125               | 106           |   | 4.86             | J | 100            | 101           |      | P |
| Nickel    | ug/L  | 75 - 125               | 269           |   | 12.9             | J | 250            | 102           |      | P |
| Potassium | ug/L  | 75 - 125               | 128000        |   | 129000           |   | 5000           | -28           |      | P |
| Selenium  | ug/L  | 75 - 125               | 1130          |   | 10.0             | U | 1000           | 113           |      | P |
| Silver    | ug/L  | 75 - 125               | 38.4          |   | 5.00             | U | 37.5           | 102           |      | P |
| Sodium    | ug/L  | 75 - 125               | 959000        |   | 1020000          |   | 1500           | -4195         |      | P |
| Thallium  | ug/L  | 75 - 125               | 922           |   | 20.0             | U | 1000           | 92            |      | P |
| Vanadium  | ug/L  | 75 - 125               | 148           |   | 20.0             | U | 150            | 99            |      | P |
| Zinc      | ug/L  | 75 - 125               | 151           |   | 49.2             |   | 100            | 102           |      | P |

**metals**  
**- 5a -**  
**MATRIX SPIKE SUMMARY**

|                                             |                                     |                                                            |
|---------------------------------------------|-------------------------------------|------------------------------------------------------------|
| <b>client:</b> <u>G Environmental</u>       | <b>level:</b> <u>low</u>            | <b>sdg no.:</b> <u>Q1945</u>                               |
| <b>contract:</b> <u>GENV01</u>              | <b>lab code:</b> <u>CHEM</u>        | <b>case no.:</b> <u>Q1945</u> <b>sas no.:</b> <u>Q1945</u> |
| <b>matrix:</b> <u>Water</u>                 | <b>sample id:</b> <u>Q1945-01</u>   | <b>client id:</b> <u>GB1WMS</u>                            |
| <b>Percent Solids for Sample:</b> <u>NA</u> | <b>Spiked ID:</b> <u>Q1945-01MS</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  |
|---------|-------|------------------------|------------------|---|------------------|---|----------------|---------------|------|----|
| Mercury | ug/L  | 75 - 125               | 6.44             |   | 4.53             |   | 4.0            | 48            | N    | CV |

metals  
- 5a -  
**MATRIX SPIKE DUPLICATE SUMMARY**

|                                   |                 |                   |             |                                         |         |                 |       |
|-----------------------------------|-----------------|-------------------|-------------|-----------------------------------------|---------|-----------------|-------|
| <b>client:</b>                    | G Environmental | <b>level:</b>     | low         | <b>sdg no.:</b>                         | Q1945   |                 |       |
| <b>contract:</b>                  | GENV01          | <b>lab code:</b>  | CHEM        | <b>case no.:</b>                        | Q1945   | <b>sas no.:</b> | Q1945 |
| <b>matrix:</b>                    | Water           | <b>sample id:</b> | Q1945-01    | <b>client id:</b>                       | GB1WMSD |                 |       |
| <b>Percent Solids for Sample:</b> | NA              | <b>Spiked ID:</b> | Q1945-01MSD | <b>Percent Solids for Spike Sample:</b> | NA      |                 |       |

| Analyte | Units | Acceptance<br>Limit %R | MSD<br>Result | C | Sample<br>Result | C | Spike<br>Added | %<br>Recovery | Qual | M  |
|---------|-------|------------------------|---------------|---|------------------|---|----------------|---------------|------|----|
| Mercury | ug/L  | 75 - 125               | 6.37          |   | 4.53             |   | 4.0            | 46            | N    | CV |

**Metals**  
**- 5b -**  
**POST DIGEST SPIKE SUMMARY**

**Client:** G Environmental **SDG No.:** Q1945  
**Contract:** GENV01 **Lab Code:** CHEM **Case No.:** Q1945 **SAS No.:** Q1945  
**Matrix:** Water **Level:** LOW **Client ID:** GB1WA  
**Sample ID:** Q1945-01 **Spiked ID:** Q1945-01A

| Analyte | Units | Acceptance<br>Limit %R | Spiked<br>Result | C | Sample<br>Result | C | Spike<br>Added | %<br>Recovery | Qual | M  |
|---------|-------|------------------------|------------------|---|------------------|---|----------------|---------------|------|----|
| Mercury | ug/L  | 75 - 125               | 8.15             |   | 4.53             |   | 4.00           | 91            |      | CV |

# Metals

- 6 -

## DUPLICATE SAMPLE SUMMARY

**Client:** G Environmental **Level:** LOW **SDG No.:** Q1945  
**Contract:** GENV01 **Lab Code:** CHEM **Case No.:** Q1945 **SAS No.:** Q1945  
**Matrix:** Water **Sample ID:** Q1930-01 **Client ID:** WATER-TREATMENT-DISCHARGEDUP  
**Percent Solids for Sample:** NA **Duplicate ID** Q1930-01DUP **Percent Solids for Spike Sample:** NA

| Analyte   | Units | Acceptance Limit | Sample Result | C | Duplicate Result | C | RPD | Qual | M |
|-----------|-------|------------------|---------------|---|------------------|---|-----|------|---|
| Aluminum  | ug/L  | 20               | 14300         |   | 14400            |   | 1   |      | P |
| Antimony  | ug/L  | 20               | 25.0          | U | 25.0             | U |     |      | P |
| Arsenic   | ug/L  | 20               | 10.0          | U | 10.0             | U |     |      | P |
| Barium    | ug/L  | 20               | 50.0          | U | 50.0             | U |     |      | P |
| Beryllium | ug/L  | 20               | 3.00          | U | 3.00             | U |     |      | P |
| Cadmium   | ug/L  | 20               | 3.00          | U | 3.00             | U |     |      | P |
| Calcium   | ug/L  | 20               | 8400          |   | 8490             |   | 1   |      | P |
| Chromium  | ug/L  | 20               | 156           |   | 159              |   | 2   |      | P |
| Cobalt    | ug/L  | 20               | 15.0          | U | 15.0             | U |     |      | P |
| Copper    | ug/L  | 20               | 17.4          |   | 17.4             |   | 0   |      | P |
| Iron      | ug/L  | 20               | 668           |   | 691              |   | 3   |      | P |
| Lead      | ug/L  | 20               | 6.00          | U | 6.00             | U |     |      | P |
| Magnesium | ug/L  | 20               | 1150          |   | 1150             |   | 0   |      | P |
| Manganese | ug/L  | 20               | 4.86          | J | 3.77             | J | 25  |      | P |
| Nickel    | ug/L  | 20               | 12.9          | J | 12.8             | J | 1   |      | P |
| Potassium | ug/L  | 20               | 129000        |   | 134000           |   | 4   |      | P |
| Selenium  | ug/L  | 20               | 10.0          | U | 10.0             | U |     |      | P |
| Silver    | ug/L  | 20               | 5.00          | U | 5.00             | U |     |      | P |
| Sodium    | ug/L  | 20               | 1020000       |   | 1050000          |   | 3   |      | P |
| Thallium  | ug/L  | 20               | 20.0          | U | 20.0             | U |     |      | P |
| Vanadium  | ug/L  | 20               | 20.0          | U | 20.0             | U |     |      | P |
| Zinc      | ug/L  | 20               | 49.2          |   | 49.8             |   | 1   |      | P |

**Metals**

- 6 -

**DUPLICATE SAMPLE SUMMARY**

**Client:** G Environmental **Level:** LOW **SDG No.:** Q1945  
**Contract:** GENV01 **Lab Code:** CHEM **Case No.:** Q1945 **SAS No.:** Q1945  
**Matrix:** Water **Sample ID:** Q1930-01MS **Client ID:** WATER-TREATMENT-DISCHARGEMSD  
**Percent Solids for Sample:** NA **Duplicate ID** Q1930-01MSD **Percent Solids for Spike Sample:** NA

| Analyte   | Units | Acceptance Limit | Sample Result | C | Duplicate Result | C | RPD | Qual | M |
|-----------|-------|------------------|---------------|---|------------------|---|-----|------|---|
| Aluminum  | ug/L  | 20               | 14800         |   | 14000            |   | 6   |      | P |
| Antimony  | ug/L  | 20               | 440           |   | 427              |   | 3   |      | P |
| Arsenic   | ug/L  | 20               | 428           |   | 436              |   | 2   |      | P |
| Barium    | ug/L  | 20               | 92.9          |   | 95.7             |   | 3   |      | P |
| Beryllium | ug/L  | 20               | 100           |   | 93.7             |   | 7   |      | P |
| Cadmium   | ug/L  | 20               | 107           |   | 108              |   | 1   |      | P |
| Calcium   | ug/L  | 20               | 8500          |   | 8260             |   | 3   |      | P |
| Chromium  | ug/L  | 20               | 345           |   | 341              |   | 1   |      | P |
| Cobalt    | ug/L  | 20               | 102           |   | 103              |   | 1   |      | P |
| Copper    | ug/L  | 20               | 151           |   | 152              |   | 1   |      | P |
| Iron      | ug/L  | 20               | 2190          |   | 2280             |   | 4   |      | P |
| Lead      | ug/L  | 20               | 492           |   | 495              |   | 1   |      | P |
| Magnesium | ug/L  | 20               | 2000          |   | 1940             |   | 3   |      | P |
| Manganese | ug/L  | 20               | 99.1          |   | 106              |   | 7   |      | P |
| Nickel    | ug/L  | 20               | 267           |   | 269              |   | 1   |      | P |
| Potassium | ug/L  | 20               | 128000        |   | 128000           |   | 0   |      | P |
| Selenium  | ug/L  | 20               | 1120          |   | 1130             |   | 1   |      | P |
| Silver    | ug/L  | 20               | 42.1          |   | 38.4             |   | 9   |      | P |
| Sodium    | ug/L  | 20               | 961000        |   | 959000           |   | 0   |      | P |
| Thallium  | ug/L  | 20               | 907           |   | 922              |   | 2   |      | P |
| Vanadium  | ug/L  | 20               | 146           |   | 148              |   | 1   |      | P |
| Zinc      | ug/L  | 20               | 157           |   | 151              |   | 4   |      | P |

**Metals**

- 6 -

**DUPLICATE SAMPLE SUMMARY**

|                                   |                        |                     |                    |                                         |                |
|-----------------------------------|------------------------|---------------------|--------------------|-----------------------------------------|----------------|
| <b>Client:</b>                    | <u>G Environmental</u> | <b>Level:</b>       | <u>LOW</u>         | <b>SDG No.:</b>                         | <u>Q1945</u>   |
| <b>Contract:</b>                  | <u>GENV01</u>          | <b>Lab Code:</b>    | <u>CHEM</u>        | <b>Case No.:</b>                        | <u>Q1945</u>   |
| <b>Matrix:</b>                    | <u>Water</u>           | <b>Sample ID:</b>   | <u>Q1945-01</u>    | <b>Client ID:</b>                       | <u>GB1WDUP</u> |
| <b>Percent Solids for Sample:</b> | <u>NA</u>              | <b>Duplicate ID</b> | <u>Q1945-01DUP</u> | <b>Percent Solids for Spike Sample:</b> | <u>NA</u>      |

| Analyte | Units | Acceptance Limit | Sample Result | C | Duplicate Result | C | RPD | Qual | M  |
|---------|-------|------------------|---------------|---|------------------|---|-----|------|----|
| Mercury | ug/L  | 20               | 4.53          |   | 4.52             |   | 0   |      | CV |



**Metals**

- 6 -

**DUPLICATE SAMPLE SUMMARY**

|                                   |                        |                     |                    |                                         |                |
|-----------------------------------|------------------------|---------------------|--------------------|-----------------------------------------|----------------|
| <b>Client:</b>                    | <u>G Environmental</u> | <b>Level:</b>       | <u>LOW</u>         | <b>SDG No.:</b>                         | <u>Q1945</u>   |
| <b>Contract:</b>                  | <u>GENV01</u>          | <b>Lab Code:</b>    | <u>CHEM</u>        | <b>Case No.:</b>                        | <u>Q1945</u>   |
| <b>Matrix:</b>                    | <u>Water</u>           | <b>Sample ID:</b>   | <u>Q1945-01MS</u>  | <b>Client ID:</b>                       | <u>GB1WMSD</u> |
| <b>Percent Solids for Sample:</b> | <u>NA</u>              | <b>Duplicate ID</b> | <u>Q1945-01MSD</u> | <b>Percent Solids for Spike Sample:</b> | <u>NA</u>      |

| Analyte | Units | Acceptance Limit | Sample Result | C | Duplicate Result | C | RPD | Qual | M  |
|---------|-------|------------------|---------------|---|------------------|---|-----|------|----|
| Mercury | ug/L  | 20               | 6.44          |   | 6.37             |   | 1   |      | CV |

**Metals**

- 7 -

**LABORATORY CONTROL SAMPLE SUMMARY**

**Client:** G Environmental **SDG No.:** Q1945  
**Contract:** GENV01 **Lab Code:** CHEM **Case No.:** Q1945 **SAS No.:** Q1945

| Analyte    | Units | True Value | Result | C | %<br>Recovery | Acceptance<br>Limits | M |
|------------|-------|------------|--------|---|---------------|----------------------|---|
| PB167858BS |       |            |        |   |               |                      |   |
| Aluminum   | ug/L  | 1000       | 869    |   | 87            | 80 - 120             | P |
| Antimony   | ug/L  | 400        | 379    |   | 95            | 80 - 120             | P |
| Arsenic    | ug/L  | 400        | 370    |   | 92            | 80 - 120             | P |
| Barium     | ug/L  | 100        | 87.2   |   | 87            | 80 - 120             | P |
| Beryllium  | ug/L  | 100        | 85.5   |   | 86            | 80 - 120             | P |
| Cadmium    | ug/L  | 100        | 92.1   |   | 92            | 80 - 120             | P |
| Calcium    | ug/L  | 500        | 448    | J | 90            | 80 - 120             | P |
| Chromium   | ug/L  | 200        | 183    |   | 92            | 80 - 120             | P |
| Cobalt     | ug/L  | 100        | 89.4   |   | 89            | 80 - 120             | P |
| Copper     | ug/L  | 150        | 140    |   | 93            | 80 - 120             | P |
| Iron       | ug/L  | 1500       | 1400   |   | 93            | 80 - 120             | P |
| Lead       | ug/L  | 500        | 457    |   | 91            | 80 - 120             | P |
| Magnesium  | ug/L  | 1000       | 866    | J | 87            | 80 - 120             | P |
| Manganese  | ug/L  | 100        | 89.5   |   | 90            | 80 - 120             | P |
| Nickel     | ug/L  | 250        | 228    |   | 91            | 80 - 120             | P |
| Potassium  | ug/L  | 5000       | 4510   |   | 90            | 80 - 120             | P |
| Selenium   | ug/L  | 1000       | 937    |   | 94            | 80 - 120             | P |
| Silver     | ug/L  | 37.5       | 34.0   |   | 91            | 80 - 120             | P |
| Sodium     | ug/L  | 1500       | 1370   |   | 91            | 80 - 120             | P |
| Thallium   | ug/L  | 1000       | 916    |   | 92            | 80 - 120             | P |
| Vanadium   | ug/L  | 150        | 134    |   | 89            | 80 - 120             | P |
| Zinc       | ug/L  | 100        | 91.9   |   | 92            | 80 - 120             | P |

**Metals**

- 7 -

**LABORATORY CONTROL SAMPLE SUMMARY**

**Client:** G Environmental

**SDG No.:** Q1945

**Contract:** GENV01

**Lab Code:** CHEM

**Case No.:** Q1945

**SAS No.:** Q1945

| Analyte               | Units | True Value | Result | C | %<br>Recovery | Acceptance<br>Limits | M  |
|-----------------------|-------|------------|--------|---|---------------|----------------------|----|
| PB167866BS<br>Mercury | ug/L  | 4.0        | 3.72   |   | 93            | 80 - 120             | CV |

**Metals**  
**-9 -**  
**ICP SERIAL DILUTIONS**

SAMPLE NO.

WATER-TREATMENT-DISCHARGEL

Lab Name: Chemtech Consulting Group

Contract: GENV01

Lab Code: CHEM Lb No.: lb135674 Lab Sample ID : Q1930-01L SDG No.: Q1945

Matrix (soil/water): Water Level (low/med): LOW

Concentration Units: ug/L

| Analyte   | Initial Sample Result (I) |   | Serial Dilution Result (S) |   | % Differ-ence | Q | M |
|-----------|---------------------------|---|----------------------------|---|---------------|---|---|
| Aluminum  | 14300                     |   | 13700                      |   | 4             |   | P |
| Antimony  | 25.0                      | U | 125                        | U |               |   | P |
| Arsenic   | 10.0                      | U | 50.0                       | U |               |   | P |
| Barium    | 50.0                      | U | 250                        | U |               |   | P |
| Beryllium | 3.00                      | U | 15.0                       | U |               |   | P |
| Cadmium   | 3.00                      | U | 15.0                       | U |               |   | P |
| Calcium   | 8400                      |   | 8230                       |   | 2             |   | P |
| Chromium  | 156                       |   | 151                        |   | 3             |   | P |
| Cobalt    | 15.0                      | U | 75.0                       | U |               |   | P |
| Copper    | 17.4                      |   | 17.4                       | J | 0             |   | P |
| Iron      | 668                       |   | 594                        |   | 11            |   | P |
| Lead      | 6.00                      | U | 30.0                       | U |               |   | P |
| Magnesium | 1150                      |   | 1170                       | J | 2             |   | P |
| Manganese | 4.86                      | J | 50.0                       | U | 100.0         |   | P |
| Nickel    | 12.9                      | J | 12.4                       | J | 4             |   | P |
| Potassium | 129000                    |   | 109000                     |   | 16            |   | P |
| Selenium  | 10.0                      | U | 50.0                       | U |               |   | P |
| Silver    | 5.00                      | U | 25.0                       | U |               |   | P |
| Sodium    | 1020000                   |   | 958000                     |   | 6             |   | P |
| Thallium  | 20.0                      | U | 100                        | U |               |   | P |
| Vanadium  | 20.0                      | U | 100                        | U |               |   | P |
| Zinc      | 49.2                      |   | 42.9                       | J | 13            |   | P |

**Metals**  
**-9 -**  
**ICP SERIAL DILUTIONS**

SAMPLE NO.

GB1WL

Lab Name: Chemtech Consulting Group

Contract: GENV01

Lab Code: CHEM Lb No.: lb135662 Lab Sample ID : Q1945-01L SDG No.: Q1945

Matrix (soil/water): Water Level (low/med): LOW

Concentration Units: ug/L

| Analyte | Initial Sample<br>Result (I)<br>C | Serial Dilution<br>Result (S)<br>C | % Differ-<br>ence | Q | M  |
|---------|-----------------------------------|------------------------------------|-------------------|---|----|
| Mercury | 4.53                              | 4.40                               | 3                 |   | CV |

**metals**  
**- 14 -**  
**ANALYSIS RUN LOG**

**Client:** G Environmental **Contract:** GENV01

**Lab code:** CHEM **Case no.:** Q1945 **Sas no.:** Q1945 **Sdg no.:** Q1945

**Instrument id number:**                      **Method:**                      **Run number:** LB135662

**Start date:** 05/05/2025 **End date:** 05/05/2025

| Lab sample id. | Client Sample Id | d/f | Time | Parameter list |
|----------------|------------------|-----|------|----------------|
| S0             | S0               | 1   | 1059 | HG             |
| S0.2           | S0.2             | 1   | 1101 | HG             |
| S2.5           | S2.5             | 1   | 1103 | HG             |
| S5             | S5               | 1   | 1106 | HG             |
| S7.5           | S7.5             | 1   | 1108 | HG             |
| S10            | S10              | 1   | 1113 | HG             |
| ICV114         | ICV114           | 1   | 1116 | HG             |
| ICB114         | ICB114           | 1   | 1118 | HG             |
| CCV71          | CCV71            | 1   | 1125 | HG             |
| CCB71          | CCB71            | 1   | 1130 | HG             |
| CRA            | CRA              | 1   | 1133 | HG             |
| CCV72          | CCV72            | 1   | 1158 | HG             |
| CCB72          | CCB72            | 1   | 1203 | HG             |
| CCV73          | CCV73            | 1   | 1228 | HG             |
| CCB73          | CCB73            | 1   | 1238 | HG             |
| PB167866BL     | PB167866BL       | 1   | 1252 | HG             |
| PB167866BS     | PB167866BS       | 1   | 1254 | HG             |
| Q1945-01       | GB1W             | 1   | 1301 | HG             |
| CCV74          | CCV74            | 1   | 1303 | HG             |
| CCB74          | CCB74            | 1   | 1306 | HG             |
| Q1945-01DUP    | GB1WDUP          | 1   | 1317 | HG             |
| Q1945-01MS     | GB1WMS           | 1   | 1319 | HG             |
| Q1945-01MSD    | GB1WMSD          | 1   | 1321 | HG             |
| Q1945-01L      | GB1WL            | 5   | 1336 | HG             |
| Q1945-01A      | GB1WA            | 1   | 1339 | HG             |
| CCV75          | CCV75            | 1   | 1341 | HG             |
| CCB75          | CCB75            | 1   | 1343 | HG             |
| CCV76          | CCV76            | 1   | 1352 | HG             |
| CCB76          | CCB76            | 1   | 1355 | HG             |

**metals**  
**- 14 -**  
**ANALYSIS RUN LOG**

**Client:** G Environmental **Contract:** GENV01

**Lab code:** CHEM **Case no.:** Q1945 **Sas no.:** Q1945 **Sdg no.:** Q1945

**Instrument id number:**                      **Method:**                      **Run number:** LB135674

**Start date:** 05/05/2025 **End date:** 05/05/2025

| Lab sample id. | Client Sample Id       | d/f | Time | Parameter list                                                  |
|----------------|------------------------|-----|------|-----------------------------------------------------------------|
| S0             | S0                     | 1   | 1302 | 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   | 1307 | 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   | 1311 | 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   | 1315 | 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   | 1319 | 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   | 1324 | 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   | 1418 | 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   | 1436 | 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   | 1441 | 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   | 1447 | 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   | 1452 | 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   | 1507 | 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   | 1520 | 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   | 1526 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| CCV02          | CCV02                  | 1   | 1607 | 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   | 1612 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| CCV03          | CCV03                  | 1   | 1656 | 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   | 1700 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| CCV04          | CCV04                  | 1   | 1755 | 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   | 1759 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| PB167858BL     | PB167858BL             | 1   | 1822 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| PB167858BS     | PB167858BS             | 1   | 1827 | 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   | 1843 | 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   | 1847 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| CCV06          | CCV06                  | 1   | 1932 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| CCB06          | CCB06                  | 1   | 1937 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| CCV07          | CCV07                  | 1   | 2019 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| CCB07          | CCB07                  | 1   | 2023 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| CCV08          | CCV08                  | 1   | 2107 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| CCB08          | CCB08                  | 1   | 2112 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| Q1945-01       | GB1W                   | 1   | 2151 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V    |
| CCV09          | CCV09                  | 1   | 2159 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| CCB09          | CCB09                  | 1   | 2203 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| Q1930-01DUP    | WATER-TREATMENT-DISCH/ | 1   | 2212 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| Q1930-01L      | WATER-TREATMENT-DISCH/ | 5   | 2216 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| Q1930-01MS     | WATER-TREATMENT-DISCH/ | 1   | 2221 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| Q1930-01MSD    | WATER-TREATMENT-DISCH/ | 1   | 2225 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| CCV10          | CCV10                  | 1   | 2233 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| CCB10          | CCB10                  | 1   | 2237 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |

**metals**  
**- 14 -**  
**ANALYSIS RUN LOG**

**Client:** G Environmental **Contract:** GENV01

**Lab code:** CHEM **Case no.:** Q1945 **Sas no.:** Q1945 **Sdg no.:** Q1945

**Instrument id number:**                      **Method:**                      **Run number:** LB135689

**Start date:** 05/06/2025 **End date:** 05/06/2025

| Lab sample id. | Client Sample Id | d/f | Time | Parameter list                                                  |
|----------------|------------------|-----|------|-----------------------------------------------------------------|
| S0             | S0               | 1   | 1343 | 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   | 1348 | 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   | 1352 | 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   | 1356 | 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   | 1401 | 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   | 1405 | 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   | 1447 | 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   | 1522 | 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   | 1527 | 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   | 1531 | 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   | 1550 | 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   | 1555 | 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   | 1629 | 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   | 1634 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| CCV02          | CCV02            | 1   | 1715 | 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   | 1720 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| CCV03          | CCV03            | 1   | 1808 | 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   | 1813 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| CCV04          | CCV04            | 1   | 1916 | 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   | 1920 | 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   | 2001 | 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   | 2006 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| Q1945-01       | GB1W             | 10  | 2018 | Zn                                                              |
| CCV06          | CCV06            | 1   | 2031 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| CCB06          | CCB06            | 1   | 2035 | 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**

- 11 -

**ICP INTERELEMENT CORRECTION FACTORS**

**Client:** G Environmental

**SDG No.:** Q1945

**Contract:** GENV01

**Lab Code:** CHEM

**Case No.:** Q1945

**SAS No.:** Q1945

**Instrument ID:** \_\_\_\_\_

**Date:** \_\_\_\_\_

**Interement Correction Factors (apparent ppb analyte/ppm interferent )**

| Analyte   | Wave-<br>Length<br>(nm) | ICP Interement 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**

- 11 -

**ICP INTERELEMENT CORRECTION FACTORS**

**Client:** G Environmental

**SDG No.:** Q1945

**Contract:** GENV01

**Lab Code:** CHEM

**Case No.:** Q1945

**SAS No.:** Q1945

**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         |
| 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**

- 11 -

**ICP INTERELEMENT CORRECTION FACTORS**

**Client:** G Environmental

**SDG No.:** Q1945

**Contract:** GENV01

**Lab Code:** CHEM

**Case No.:** Q1945

**SAS No.:** Q1945

**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**

- 11 -

**ICP INTERELEMEN CORRECTION FACTORS**

**Client:** G Environmental

**SDG No.:** Q1945

**Contract:** GENV01

**Lab Code:** CHEM

**Case No.:** Q1945

**SAS No.:** Q1945

**Instrument ID:** \_\_\_\_\_

**Date:** \_\_\_\_\_

**Interement Correction Factors (apparent ppb analyte/ppm interferent )**

| Analyte   | Wave-<br>Length<br>(nm) | ICP Interement 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**

- 11 -

**ICP INTERELEMENT CORRECTION FACTORS**

**Client:** G Environmental

**SDG No.:** Q1945

**Contract:** GENV01

**Lab Code:** CHEM

**Case No.:** Q1945

**SAS No.:** Q1945

**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> | Q1945           | <b>OrderDate:</b> | 5/2/2025 11:14:00 AM  |
| <b>Client:</b>  | G Environmental | <b>Project:</b>   | Amsterdam             |
| <b>Contact:</b> | Gary Landis     | <b>Location:</b>  | L41,VOA Ref. #3 Water |

| LabID           | ClientID    | Matrix       | Test           | Method | Sample Date     | Prep Date | Anal Date | Received        |
|-----------------|-------------|--------------|----------------|--------|-----------------|-----------|-----------|-----------------|
| <b>Q1945-01</b> | <b>GB1W</b> | <b>Water</b> |                |        | <b>05/02/25</b> |           |           | <b>05/02/25</b> |
|                 |             |              | Mercury        | 7470A  |                 | 05/05/25  | 05/05/25  |                 |
|                 |             |              | Metals ICP-TAL | 6010D  |                 | 05/05/25  | 05/05/25  |                 |
|                 |             |              | Metals ICP-TAL | 6010D  |                 | 05/05/25  | 05/06/25  |                 |



# METAL PREPARATION & ANALYICAL SUMMARY



**Metals**

- 13 -

**SAMPLE PREPARATION SUMMARY**

|                  |                        |                  |              |
|------------------|------------------------|------------------|--------------|
| <b>Client:</b>   | <u>G Environmental</u> | <b>SDG No.:</b>  | <u>Q1945</u> |
| <b>Contract:</b> | <u>GENV01</u>          | <b>Lab Code:</b> | <u>CHEM</u>  |
|                  |                        | <b>Method:</b>   | <u></u>      |
|                  |                        | <b>Case No.:</b> | <u>Q1945</u> |
|                  |                        | <b>SAS No.:</b>  | <u>Q1945</u> |

| Sample ID                     | Client ID                    | Sample Type | Matrix | Prep Date  | Initial Sample Size(mL) | Final Sample Volume (mL) | Percent Solids |
|-------------------------------|------------------------------|-------------|--------|------------|-------------------------|--------------------------|----------------|
| <b>Batch Number: PB167858</b> |                              |             |        |            |                         |                          |                |
| PB167858BL                    | PB167858BL                   | MB          | WATER  | 05/05/2025 | 50.0                    | 25.0                     |                |
| PB167858BS                    | PB167858BS                   | LCS         | WATER  | 05/05/2025 | 50.0                    | 25.0                     |                |
| Q1930-01DUP                   | WATER-TREATMENT-DISCHARGEDUP | DUP         | WATER  | 05/05/2025 | 50.0                    | 25.0                     |                |
| Q1930-01MS                    | WATER-TREATMENT-DISCHARGEMS  | MS          | WATER  | 05/05/2025 | 50.0                    | 25.0                     |                |
| Q1930-01MSD                   | WATER-TREATMENT-DISCHARGEMSD | MSD         | WATER  | 05/05/2025 | 50.0                    | 25.0                     |                |
| Q1945-01                      | GB1W                         | SAM         | WATER  | 05/05/2025 | 50.0                    | 25.0                     |                |

**Metals**

- 13 -

**SAMPLE PREPARATION SUMMARY**

|                  |                        |                  |              |
|------------------|------------------------|------------------|--------------|
| <b>Client:</b>   | <u>G Environmental</u> | <b>SDG No.:</b>  | <u>Q1945</u> |
| <b>Contract:</b> | <u>GENV01</u>          | <b>Lab Code:</b> | <u>CHEM</u>  |
|                  |                        | <b>Method:</b>   | <u></u>      |
|                  |                        | <b>Case No.:</b> | <u>Q1945</u> |
|                  |                        | <b>SAS No.:</b>  | <u>Q1945</u> |

| Sample ID                     | Client ID  | Sample Type | Matrix | Prep Date  | Initial Sample Size(mL) | Final Sample Volume (mL) | Percent Solids |
|-------------------------------|------------|-------------|--------|------------|-------------------------|--------------------------|----------------|
| <b>Batch Number: PB167866</b> |            |             |        |            |                         |                          |                |
| PB167866BL                    | PB167866BL | MB          | WATER  | 05/05/2025 | 30.0                    | 30.0                     |                |
| PB167866BS                    | PB167866BS | LCS         | WATER  | 05/05/2025 | 30.0                    | 30.0                     |                |
| Q1945-01                      | GB1W       | SAM         | WATER  | 05/05/2025 | 30.0                    | 30.0                     |                |
| Q1945-01DUP                   | GB1WDUP    | DUP         | WATER  | 05/05/2025 | 30.0                    | 30.0                     |                |
| Q1945-01MS                    | GB1WMS     | MS          | WATER  | 05/05/2025 | 30.0                    | 30.0                     |                |
| Q1945-01MSD                   | GB1WMSD    | MSD         | WATER  | 05/05/2025 | 30.0                    | 30.0                     |                |

Instrument ID: CV1

**Daily Analysis Runlog For Sequence/QC Batch ID # LB135662**

|                  |                                                 |              |                      |
|------------------|-------------------------------------------------|--------------|----------------------|
| Review By        | mohan                                           | Review On    | 5/6/2025 10:06:50 AM |
| Supervise By     | jaswal                                          | Supervise On | 5/6/2025 4:50:43 PM  |
| <b>STD. NAME</b> | <b>STD REF.#</b>                                |              |                      |
| ICAL Standard    | MP85530,MP85531,MP85532,MP85533,MP85534,MP85535 |              |                      |
| ICV Standard     | MP85536                                         |              |                      |
| CCV Standard     | MP85538                                         |              |                      |
| ICSA Standard    |                                                 |              |                      |
| CRI Standard     | MP85540                                         |              |                      |
| LCS Standard     |                                                 |              |                      |
| Chk Standard     | MP85537,MP85539,MP85541,MP85543                 |              |                      |

| Sr# | SampleId   | ClientID   | QcType   | Date           | Comment | Operator | Status |
|-----|------------|------------|----------|----------------|---------|----------|--------|
| 1   | S0         | S0         | CAL1     | 05/05/25 10:59 |         | mohan    | OK     |
| 2   | S0.2       | S0.2       | CAL2     | 05/05/25 11:01 |         | mohan    | OK     |
| 3   | S2.5       | S2.5       | CAL3     | 05/05/25 11:03 |         | mohan    | OK     |
| 4   | S5         | S5         | CAL4     | 05/05/25 11:06 |         | mohan    | OK     |
| 5   | S7.5       | S7.5       | CAL5     | 05/05/25 11:08 |         | mohan    | OK     |
| 6   | S10        | S10        | CAL6     | 05/05/25 11:13 |         | mohan    | OK     |
| 7   | ICV114     | ICV114     | ICV      | 05/05/25 11:16 |         | mohan    | OK     |
| 8   | ICB114     | ICB114     | ICB      | 05/05/25 11:18 |         | mohan    | OK     |
| 9   | CCV71      | CCV71      | CCV      | 05/05/25 11:25 |         | mohan    | OK     |
| 10  | CCB71      | CCB71      | CCB      | 05/05/25 11:30 |         | mohan    | OK     |
| 11  | CRA        | CRA        | CRDL     | 05/05/25 11:33 |         | mohan    | OK     |
| 12  | HighStd    | HighStd    | HIGH STD | 05/05/25 11:35 |         | mohan    | OK     |
| 13  | ChkStd     | ChkStd     | SAM      | 05/05/25 11:37 |         | mohan    | OK     |
| 14  | PB167839BL | PB167839BL | MB       | 05/05/25 11:42 |         | mohan    | OK     |
| 15  | PB167839BS | PB167839BS | LCS      | 05/05/25 11:44 |         | mohan    | OK     |
| 16  | Q1916-04   | WC-12      | SAM      | 05/05/25 11:47 |         | mohan    | OK     |
| 17  | Q1917-04   | MH-JJ      | SAM      | 05/05/25 11:49 |         | mohan    | OK     |
| 18  | Q1922-04   | MH-R       | SAM      | 05/05/25 11:51 |         | mohan    | OK     |

Instrument ID: CV1

**Daily Analysis Runlog For Sequence/QC Batch ID # LB135662**

|                  |                                                 |              |                      |
|------------------|-------------------------------------------------|--------------|----------------------|
| Review By        | mohan                                           | Review On    | 5/6/2025 10:06:50 AM |
| Supervise By     | jaswal                                          | Supervise On | 5/6/2025 4:50:43 PM  |
| <b>STD. NAME</b> | <b>STD REF.#</b>                                |              |                      |
| ICAL Standard    | MP85530,MP85531,MP85532,MP85533,MP85534,MP85535 |              |                      |
| ICV Standard     | MP85536                                         |              |                      |
| CCV Standard     | MP85538                                         |              |                      |
| ICSA Standard    |                                                 |              |                      |
| CRI Standard     | MP85540                                         |              |                      |
| LCS Standard     |                                                 |              |                      |
| Chk Standard     | MP85537,MP85539,MP85541,MP85543                 |              |                      |

|    |             |             |     |                |  |       |    |
|----|-------------|-------------|-----|----------------|--|-------|----|
| 19 | Q1922-08    | MH-S        | SAM | 05/05/25 11:53 |  | mohan | OK |
| 20 | Q1925-01    | AUD-25-0068 | SAM | 05/05/25 11:56 |  | mohan | OK |
| 21 | CCV72       | CCV72       | CCV | 05/05/25 11:58 |  | mohan | OK |
| 22 | CCB72       | CCB72       | CCB | 05/05/25 12:03 |  | mohan | OK |
| 23 | Q1925-02    | AUD-25-0069 | SAM | 05/05/25 12:05 |  | mohan | OK |
| 24 | Q1925-03    | AUD-25-0070 | SAM | 05/05/25 12:07 |  | mohan | OK |
| 25 | Q1928-04    | MH-Q        | SAM | 05/05/25 12:10 |  | mohan | OK |
| 26 | Q1929-03    | WC-A4-02-C  | SAM | 05/05/25 12:12 |  | mohan | OK |
| 27 | Q1929-07    | WC-A1-03-C  | SAM | 05/05/25 12:14 |  | mohan | OK |
| 28 | Q1929-11    | WC-A1-04-C  | SAM | 05/05/25 12:16 |  | mohan | OK |
| 29 | Q1932-02    | COMP-4      | SAM | 05/05/25 12:19 |  | mohan | OK |
| 30 | Q1932-04    | COMP-5      | SAM | 05/05/25 12:21 |  | mohan | OK |
| 31 | Q1932-06    | COMP-6      | SAM | 05/05/25 12:23 |  | mohan | OK |
| 32 | Q1932-08    | COMP-7      | SAM | 05/05/25 12:26 |  | mohan | OK |
| 33 | CCV73       | CCV73       | CCV | 05/05/25 12:28 |  | mohan | OK |
| 34 | CCB73       | CCB73       | CCB | 05/05/25 12:38 |  | mohan | OK |
| 35 | Q1935-04    | MH-NN       | SAM | 05/05/25 12:40 |  | mohan | OK |
| 36 | Q1935-08    | MH-MM       | SAM | 05/05/25 12:43 |  | mohan | OK |
| 37 | Q1935-08DUP | MH-MMDUP    | DUP | 05/05/25 12:45 |  | mohan | OK |
| 38 | Q1935-08MS  | MH-MMMS     | MS  | 05/05/25 12:47 |  | mohan | OK |

Instrument ID: CV1

**Daily Analysis Runlog For Sequence/QC Batch ID # LB135662**

|                  |                                                 |              |                      |
|------------------|-------------------------------------------------|--------------|----------------------|
| Review By        | mohan                                           | Review On    | 5/6/2025 10:06:50 AM |
| Supervise By     | jaswal                                          | Supervise On | 5/6/2025 4:50:43 PM  |
| <b>STD. NAME</b> | <b>STD REF.#</b>                                |              |                      |
| ICAL Standard    | MP85530,MP85531,MP85532,MP85533,MP85534,MP85535 |              |                      |
| ICV Standard     | MP85536                                         |              |                      |
| CCV Standard     | MP85538                                         |              |                      |
| ICSA Standard    |                                                 |              |                      |
| CRI Standard     | MP85540                                         |              |                      |
| LCS Standard     |                                                 |              |                      |
| Chk Standard     | MP85537,MP85539,MP85541,MP85543                 |              |                      |

|    |             |                |     |                |  |       |    |
|----|-------------|----------------|-----|----------------|--|-------|----|
| 39 | Q1935-08MSD | MH-MMMSD       | MSD | 05/05/25 12:50 |  | mohan | OK |
| 40 | PB167866BL  | PB167866BL     | MB  | 05/05/25 12:52 |  | mohan | OK |
| 41 | PB167866BS  | PB167866BS     | LCS | 05/05/25 12:54 |  | mohan | OK |
| 42 | Q1944-02    | CITY-WATER     | SAM | 05/05/25 12:56 |  | mohan | OK |
| 43 | Q1944-03    | CHILLER-WATER  | SAM | 05/05/25 12:59 |  | mohan | OK |
| 44 | Q1945-01    | GB1W           | SAM | 05/05/25 13:01 |  | mohan | OK |
| 45 | CCV74       | CCV74          | CCV | 05/05/25 13:03 |  | mohan | OK |
| 46 | CCB74       | CCB74          | CCB | 05/05/25 13:06 |  | mohan | OK |
| 47 | Q1945-01DUP | GB1WDUP        | DUP | 05/05/25 13:17 |  | mohan | OK |
| 48 | Q1945-01MS  | GB1WMS         | MS  | 05/05/25 13:19 |  | mohan | OK |
| 49 | Q1945-01MSD | GB1WMSD        | MSD | 05/05/25 13:21 |  | mohan | OK |
| 50 | Q1956-07    | FB-05022025    | SAM | 05/05/25 13:24 |  | mohan | OK |
| 51 | PB167815TB  | PB167815TB     | MB  | 05/05/25 13:26 |  | mohan | OK |
| 52 | Q1935-08L   | MH-MML         | SD  | 05/05/25 13:28 |  | mohan | OK |
| 53 | Q1935-08A   | MH-MMA         | PS  | 05/05/25 13:31 |  | mohan | OK |
| 54 | Q1945-01L   | GB1WL          | SD  | 05/05/25 13:36 |  | mohan | OK |
| 55 | Q1945-01A   | GB1WA          | PS  | 05/05/25 13:39 |  | mohan | OK |
| 56 | CCV75       | CCV75          | CCV | 05/05/25 13:41 |  | mohan | OK |
| 57 | CCB75       | CCB75          | CCB | 05/05/25 13:43 |  | mohan | OK |
| 58 | Q1913-01    | WC-12-S-202504 | SAM | 05/05/25 13:45 |  | mohan | OK |

Instrument ID: CV1

**Daily Analysis Runlog For Sequence/QC Batch ID # LB135662**

| Review By     | mohan                                           | Review On    | 5/6/2025 10:06:50 AM |
|---------------|-------------------------------------------------|--------------|----------------------|
| Supervise By  | jaswal                                          | Supervise On | 5/6/2025 4:50:43 PM  |
| STD. NAME     | STD REF.#                                       |              |                      |
| ICAL Standard | MP85530,MP85531,MP85532,MP85533,MP85534,MP85535 |              |                      |
| ICV Standard  | MP85536                                         |              |                      |
| CCV Standard  | MP85538                                         |              |                      |
| ICSA Standard |                                                 |              |                      |
| CRI Standard  | MP85540                                         |              |                      |
| LCS Standard  |                                                 |              |                      |
| Chk Standard  | MP85537,MP85539,MP85541,MP85543                 |              |                      |

|    |            |                |     |                |  |       |    |
|----|------------|----------------|-----|----------------|--|-------|----|
| 59 | Q1913-03   | WC-13-S-202504 | SAM | 05/05/25 13:48 |  | mohan | OK |
| 60 | PB167774TB | PB167774TB     | MB  | 05/05/25 13:50 |  | mohan | OK |
| 61 | CCV76      | CCV76          | CCV | 05/05/25 13:52 |  | mohan | OK |
| 62 | CCB76      | CCB76          | CCB | 05/05/25 13:55 |  | mohan | OK |

Instrument ID: P4

**Daily Analysis Runlog For Sequence/QC Batch ID # LB135674**

|                  |                                                 |              |                     |
|------------------|-------------------------------------------------|--------------|---------------------|
| Review By        | JANVI                                           | Review On    | 5/6/2025 4:57:41 PM |
| Supervise By     | jaswal                                          | Supervise On | 5/7/2025 1:30:24 AM |
| <b>STD. NAME</b> | <b>STD REF.#</b>                                |              |                     |
| ICAL Standard    | MP85545,MP85552,MP85549,MP85548,MP85547,MP85546 |              |                     |
| ICV Standard     | MP85553                                         |              |                     |
| CCV Standard     | MP85556                                         |              |                     |
| ICSA Standard    | MP85554,MP85555                                 |              |                     |
| CRI Standard     |                                                 |              |                     |
| LCS Standard     |                                                 |              |                     |
| Chk Standard     | MP85557,MP85558                                 |              |                     |

| Sr# | SampleId | ClientID | QcType | Date           | Comment | Operator | Status |
|-----|----------|----------|--------|----------------|---------|----------|--------|
| 1   | S0       | S0       | CAL1   | 05/05/25 13:02 |         | Kareem   | OK     |
| 2   | S1       | S1       | CAL2   | 05/05/25 13:07 |         | Kareem   | OK     |
| 3   | S2       | S2       | CAL3   | 05/05/25 13:11 |         | Kareem   | OK     |
| 4   | S3       | S3       | CAL4   | 05/05/25 13:15 |         | Kareem   | OK     |
| 5   | S4       | S4       | CAL5   | 05/05/25 13:19 |         | Kareem   | OK     |
| 6   | S5       | S5       | CAL6   | 05/05/25 13:24 |         | Kareem   | OK     |
| 7   | ICV01    | ICV01    | ICV    | 05/05/25 14:18 |         | Kareem   | OK     |
| 8   | LLICV01  | LLICV01  | LLICV  | 05/05/25 14:36 |         | Kareem   | OK     |
| 9   | ICB01    | ICB01    | ICB    | 05/05/25 14:41 |         | Kareem   | OK     |
| 10  | CRI01    | CRI01    | CRDL   | 05/05/25 14:47 |         | Kareem   | OK     |
| 11  | ICSA01   | ICSA01   | ICSA   | 05/05/25 14:52 |         | Kareem   | OK     |
| 12  | ICSAB01  | ICSAB01  | ICSAB  | 05/05/25 15:07 |         | Kareem   | OK     |
| 13  | ICSADL   | ICSADL   | ICSA   | 05/05/25 15:11 |         | Kareem   | OK     |
| 14  | ICSABDL  | ICSABDL  | ICSAB  | 05/05/25 15:16 |         | Kareem   | OK     |
| 15  | CCV01    | CCV01    | CCV    | 05/05/25 15:20 |         | Kareem   | OK     |
| 16  | CCB01    | CCB01    | CCB    | 05/05/25 15:26 |         | Kareem   | OK     |
| 17  | Q1916-01 | WC-12    | SAM    | 05/05/25 15:30 |         | Kareem   | OK     |
| 18  | Q1917-01 | MH-JJ    | SAM    | 05/05/25 15:35 |         | Kareem   | OK     |

Instrument ID: P4

**Daily Analysis Runlog For Sequence/QC Batch ID # LB135674**

|                  |                                                 |              |                     |
|------------------|-------------------------------------------------|--------------|---------------------|
| Review By        | JANVI                                           | Review On    | 5/6/2025 4:57:41 PM |
| Supervise By     | jaswal                                          | Supervise On | 5/7/2025 1:30:24 AM |
| <b>STD. NAME</b> | <b>STD REF.#</b>                                |              |                     |
| ICAL Standard    | MP85545,MP85552,MP85549,MP85548,MP85547,MP85546 |              |                     |
| ICV Standard     | MP85553                                         |              |                     |
| CCV Standard     | MP85556                                         |              |                     |
| ICSA Standard    | MP85554,MP85555                                 |              |                     |
| CRI Standard     |                                                 |              |                     |
| LCS Standard     |                                                 |              |                     |
| Chk Standard     | MP85557,MP85558                                 |              |                     |

|    |             |                   |     |                |                                 |        |        |
|----|-------------|-------------------|-----|----------------|---------------------------------|--------|--------|
| 19 | Q1923-01    | TR-05-04302025    | SAM | 05/05/25 15:39 |                                 | Kareem | OK     |
| 20 | Q1923-01DUP | TR-05-04302025DUP | DUP | 05/05/25 15:43 |                                 | Kareem | OK     |
| 21 | Q1923-01L   | TR-05-04302025L   | SD  | 05/05/25 15:47 |                                 | Kareem | OK     |
| 22 | Q1923-01MS  | TR-05-04302025MS  | MS  | 05/05/25 15:51 |                                 | Kareem | OK     |
| 23 | Q1923-01MSD | TR-05-04302025MSD | MSD | 05/05/25 15:55 |                                 | Kareem | OK     |
| 24 | Q1923-01A   | TR-05-04302025A   | PS  | 05/05/25 15:59 |                                 | Kareem | OK     |
| 25 | Q1944-01    | MELTED-RUBBER-S   | SAM | 05/05/25 16:03 |                                 | Kareem | OK     |
| 26 | CCV02       | CCV02             | CCV | 05/05/25 16:07 |                                 | Kareem | OK     |
| 27 | CCB02       | CCB02             | CCB | 05/05/25 16:12 |                                 | Kareem | OK     |
| 28 | Q1865-08    | SOM-25-00051      | SAM | 05/05/25 16:16 |                                 | Kareem | OK     |
| 29 | Q1916-04    | WC-12             | SAM | 05/05/25 16:20 |                                 | Kareem | OK     |
| 30 | Q1906-04    | WC-4              | SAM | 05/05/25 16:25 |                                 | Kareem | OK     |
| 31 | Q1944-02    | CITY-WATER        | SAM | 05/05/25 16:29 |                                 | Kareem | OK     |
| 32 | Q1944-03DL  | CHILLER-WATERDL   | SAM | 05/05/25 16:33 | Straight 5x for all elements    | Kareem | OK     |
| 33 | Q1913-01    | WC-12-S-202504    | SAM | 05/05/25 16:38 |                                 | Kareem | OK     |
| 34 | Q1913-03    | WC-13-S-202504    | SAM | 05/05/25 16:42 | MS/MSD fail for many parameters | Kareem | Not Ok |
| 35 | Q1913-03DUP | WC-13-S-202504DUP | DUP | 05/05/25 16:47 | MS/MSD fail for many parameters | Kareem | Not Ok |
| 36 | Q1913-03L   | WC-13-S-202504L   | SD  | 05/05/25 16:51 | MS/MSD fail for many parameters | Kareem | Not Ok |
| 37 | CCV03       | CCV03             | CCV | 05/05/25 16:56 |                                 | Kareem | OK     |



Instrument ID: P4

**Daily Analysis Runlog For Sequence/QC Batch ID # LB135674**

|                  |                                                 |              |                     |
|------------------|-------------------------------------------------|--------------|---------------------|
| Review By        | JANVI                                           | Review On    | 5/6/2025 4:57:41 PM |
| Supervise By     | jaswal                                          | Supervise On | 5/7/2025 1:30:24 AM |
| <b>STD. NAME</b> | <b>STD REF.#</b>                                |              |                     |
| ICAL Standard    | MP85545,MP85552,MP85549,MP85548,MP85547,MP85546 |              |                     |
| ICV Standard     | MP85553                                         |              |                     |
| CCV Standard     | MP85556                                         |              |                     |
| ICSA Standard    | MP85554,MP85555                                 |              |                     |
| CRI Standard     |                                                 |              |                     |
| LCS Standard     |                                                 |              |                     |
| Chk Standard     | MP85557,MP85558                                 |              |                     |

|    |             |                   |     |                |                                 |        |        |
|----|-------------|-------------------|-----|----------------|---------------------------------|--------|--------|
| 38 | CCB03       | CCB03             | CCB | 05/05/25 17:00 |                                 | Kareem | OK     |
| 39 | Q1913-03MS  | WC-13-S-202504MS  | MS  | 05/05/25 17:04 | MS/MSD fail for many parameters | Kareem | Not Ok |
| 40 | Q1913-03MSD | WC-13-S-202504MSD | MSD | 05/05/25 17:08 | MS/MSD fail for many parameters | Kareem | Not Ok |
| 41 | Q1913-03A   | WC-13-S-202504A   | PS  | 05/05/25 17:13 | MS/MSD fail for many parameters | Kareem | Not Ok |
| 42 | PB167837BL  | PB167837BL        | MB  | 05/05/25 17:17 |                                 | Kareem | OK     |
| 43 | PB167815TB  | PB167815TB        | MB  | 05/05/25 17:31 |                                 | Kareem | OK     |
| 44 | PB167837BS  | PB167837BS        | LCS | 05/05/25 17:36 |                                 | Kareem | OK     |
| 45 | PB167817BL  | PB167817BL        | MB  | 05/05/25 17:41 |                                 | Kareem | OK     |
| 46 | PB167817BS  | PB167817BS        | LCS | 05/05/25 17:46 |                                 | Kareem | OK     |
| 47 | PB167832BL  | PB167832BL        | MB  | 05/05/25 17:51 |                                 | Kareem | OK     |
| 48 | CCV04       | CCV04             | CCV | 05/05/25 17:55 |                                 | Kareem | OK     |
| 49 | CCB04       | CCB04             | CCB | 05/05/25 17:59 |                                 | Kareem | OK     |
| 50 | PB167832BS  | PB167832BS        | LCS | 05/05/25 18:04 |                                 | Kareem | OK     |
| 51 | PB167868BL  | PB167868BL        | MB  | 05/05/25 18:10 |                                 | Kareem | OK     |
| 52 | PB167868BS  | PB167868BS        | LCS | 05/05/25 18:14 |                                 | Kareem | OK     |
| 53 | PB167774TB  | PB167774TB        | MB  | 05/05/25 18:18 |                                 | Kareem | OK     |
| 54 | PB167858BL  | PB167858BL        | MB  | 05/05/25 18:22 |                                 | Kareem | OK     |
| 55 | PB167858BS  | PB167858BS        | LCS | 05/05/25 18:27 |                                 | Kareem | OK     |
| 56 | Q1922-01    | MH-R              | SAM | 05/05/25 18:31 |                                 | Kareem | OK     |

Instrument ID: P4

**Daily Analysis Runlog For Sequence/QC Batch ID # LB135674**

|                  |                                                 |              |                     |
|------------------|-------------------------------------------------|--------------|---------------------|
| Review By        | JANVI                                           | Review On    | 5/6/2025 4:57:41 PM |
| Supervise By     | jaswal                                          | Supervise On | 5/7/2025 1:30:24 AM |
| <b>STD. NAME</b> | <b>STD REF.#</b>                                |              |                     |
| ICAL Standard    | MP85545,MP85552,MP85549,MP85548,MP85547,MP85546 |              |                     |
| ICV Standard     | MP85553                                         |              |                     |
| CCV Standard     | MP85556                                         |              |                     |
| ICSA Standard    | MP85554,MP85555                                 |              |                     |
| CRI Standard     |                                                 |              |                     |
| LCS Standard     |                                                 |              |                     |
| Chk Standard     | MP85557,MP85558                                 |              |                     |

|    |             |                 |     |                |                    |        |        |
|----|-------------|-----------------|-----|----------------|--------------------|--------|--------|
| 57 | Q1922-05    | MH-S            | SAM | 05/05/25 18:35 |                    | Kareem | OK     |
| 58 | Q1928-01    | MH-Q            | SAM | 05/05/25 18:39 |                    | Kareem | OK     |
| 59 | CCV05       | CCV05           | CCV | 05/05/25 18:43 |                    | Kareem | OK     |
| 60 | CCB05       | CCB05           | CCB | 05/05/25 18:47 |                    | Kareem | OK     |
| 61 | Q1932-01    | COMP-4          | SAM | 05/05/25 18:52 | CCV fail for Be,Mg | Kareem | Not Ok |
| 62 | Q1932-03    | COMP-5          | SAM | 05/05/25 18:56 | CCV fail for Be,Mg | Kareem | Not Ok |
| 63 | Q1932-05    | COMP-6          | SAM | 05/05/25 19:00 | CCV fail for Be,Mg | Kareem | Not Ok |
| 64 | Q1932-07    | COMP-7          | SAM | 05/05/25 19:04 | CCV fail for Be,Mg | Kareem | Not Ok |
| 65 | Q1933-01    | OK-01-050125    | SAM | 05/05/25 19:08 | CCV fail for Be,Mg | Kareem | Not Ok |
| 66 | Q1933-01DUP | OK-01-050125DUP | DUP | 05/05/25 19:12 | CCV fail for Be,Mg | Kareem | Not Ok |
| 67 | Q1933-01L   | OK-01-050125L   | SD  | 05/05/25 19:16 | CCV fail for Be,Mg | Kareem | Not Ok |
| 68 | Q1933-01MS  | OK-01-050125MS  | MS  | 05/05/25 19:20 | CCV fail for Be,Mg | Kareem | Not Ok |
| 69 | Q1933-01MSD | OK-01-050125MSD | MSD | 05/05/25 19:24 | CCV fail for Be,Mg | Kareem | Not Ok |
| 70 | Q1933-01A   | OK-01-050125A   | PS  | 05/05/25 19:28 | CCV fail for Be,Mg | Kareem | Not Ok |
| 71 | CCV06       | CCV06           | CCV | 05/05/25 19:32 | CCV fail for Be,Mg | Kareem | OK     |
| 72 | CCB06       | CCB06           | CCB | 05/05/25 19:37 |                    | Kareem | OK     |
| 73 | Q1939-05    | GB3             | SAM | 05/05/25 19:41 | CCV fail for Be,Mg | Kareem | Not Ok |
| 74 | Q1935-01    | MH-NN           | SAM | 05/05/25 19:45 | CCV fail for Be,Mg | Kareem | Not Ok |
| 75 | Q1935-05    | MH-MM           | SAM | 05/05/25 19:49 | CCV fail for Be,Mg | Kareem | Not Ok |
| 76 | Q1939-01    | GB1             | SAM | 05/05/25 19:53 | CCV fail for Be,Mg | Kareem | Not Ok |

Instrument ID: P4

**Daily Analysis Runlog For Sequence/QC Batch ID # LB135674**

|                  |                                                 |              |                     |
|------------------|-------------------------------------------------|--------------|---------------------|
| Review By        | JANVI                                           | Review On    | 5/6/2025 4:57:41 PM |
| Supervise By     | jaswal                                          | Supervise On | 5/7/2025 1:30:24 AM |
| <b>STD. NAME</b> | <b>STD REF.#</b>                                |              |                     |
| ICAL Standard    | MP85545,MP85552,MP85549,MP85548,MP85547,MP85546 |              |                     |
| ICV Standard     | MP85553                                         |              |                     |
| CCV Standard     | MP85556                                         |              |                     |
| ICSA Standard    | MP85554,MP85555                                 |              |                     |
| CRI Standard     |                                                 |              |                     |
| LCS Standard     |                                                 |              |                     |
| Chk Standard     | MP85557,MP85558                                 |              |                     |

|    |          |             |     |                |                    |        |        |
|----|----------|-------------|-----|----------------|--------------------|--------|--------|
| 77 | Q1939-03 | GB2         | SAM | 05/05/25 19:57 | CCV fail for Be,Mg | Kareem | Not Ok |
| 78 | Q1917-04 | MH-JJ       | SAM | 05/05/25 20:01 |                    | Kareem | OK     |
| 79 | Q1922-04 | MH-R        | SAM | 05/05/25 20:06 |                    | Kareem | OK     |
| 80 | Q1922-08 | MH-S        | SAM | 05/05/25 20:10 |                    | Kareem | OK     |
| 81 | Q1925-01 | AUD-25-0068 | SAM | 05/05/25 20:15 |                    | Kareem | OK     |
| 82 | CCV07    | CCV07       | CCV | 05/05/25 20:19 |                    | Kareem | OK     |
| 83 | CCB07    | CCB07       | CCB | 05/05/25 20:23 |                    | Kareem | OK     |
| 84 | Q1925-02 | AUD-25-0069 | SAM | 05/05/25 20:28 |                    | Kareem | OK     |
| 85 | Q1925-03 | AUD-25-0070 | SAM | 05/05/25 20:32 |                    | Kareem | OK     |
| 86 | Q1928-04 | MH-Q        | SAM | 05/05/25 20:36 |                    | Kareem | OK     |
| 87 | Q1929-03 | WC-A4-02-C  | SAM | 05/05/25 20:41 |                    | Kareem | OK     |
| 88 | Q1929-07 | WC-A1-03-C  | SAM | 05/05/25 20:45 |                    | Kareem | OK     |
| 89 | Q1929-11 | WC-A1-04-C  | SAM | 05/05/25 20:50 |                    | Kareem | OK     |
| 90 | Q1932-02 | COMP-4      | SAM | 05/05/25 20:54 |                    | Kareem | OK     |
| 91 | Q1932-04 | COMP-5      | SAM | 05/05/25 20:59 |                    | Kareem | OK     |
| 92 | Q1932-06 | COMP-6      | SAM | 05/05/25 21:03 |                    | Kareem | OK     |
| 93 | CCV08    | CCV08       | CCV | 05/05/25 21:07 |                    | Kareem | OK     |
| 94 | CCB08    | CCB08       | CCB | 05/05/25 21:12 |                    | Kareem | OK     |
| 95 | Q1932-08 | COMP-7      | SAM | 05/05/25 21:16 |                    | Kareem | OK     |
| 96 | Q1935-04 | MH-NN       | SAM | 05/05/25 21:20 |                    | Kareem | OK     |

Instrument ID: P4

**Daily Analysis Runlog For Sequence/QC Batch ID # LB135674**

|                  |                                                 |              |                     |
|------------------|-------------------------------------------------|--------------|---------------------|
| Review By        | JANVI                                           | Review On    | 5/6/2025 4:57:41 PM |
| Supervise By     | jaswal                                          | Supervise On | 5/7/2025 1:30:24 AM |
| <b>STD. NAME</b> | <b>STD REF.#</b>                                |              |                     |
| ICAL Standard    | MP85545,MP85552,MP85549,MP85548,MP85547,MP85546 |              |                     |
| ICV Standard     | MP85553                                         |              |                     |
| CCV Standard     | MP85556                                         |              |                     |
| ICSA Standard    | MP85554,MP85555                                 |              |                     |
| CRI Standard     |                                                 |              |                     |
| LCS Standard     |                                                 |              |                     |
| Chk Standard     | MP85557,MP85558                                 |              |                     |

|     |             |                 |     |                |         |        |          |
|-----|-------------|-----------------|-----|----------------|---------|--------|----------|
| 97  | Q1935-08    | MH-MM           | SAM | 05/05/25 21:25 |         | Kareem | OK       |
| 98  | Q1935-08DUP | MH-MMDUP        | DUP | 05/05/25 21:29 |         | Kareem | OK       |
| 99  | Q1935-08L   | MH-MML          | SD  | 05/05/25 21:34 |         | Kareem | OK       |
| 100 | Q1935-08MS  | MH-MMMS         | MS  | 05/05/25 21:38 |         | Kareem | OK       |
| 101 | Q1935-08MSD | MH-MMMSD        | MSD | 05/05/25 21:42 |         | Kareem | OK       |
| 102 | Q1935-08A   | MH-MMA          | PS  | 05/05/25 21:46 |         | Kareem | OK       |
| 103 | Q1945-01    | GB1W            | SAM | 05/05/25 21:51 | Zn high | Kareem | Dilution |
| 104 | Q1956-07    | FB-05022025     | SAM | 05/05/25 21:55 |         | Kareem | OK       |
| 105 | CCV09       | CCV09           | CCV | 05/05/25 21:59 |         | Kareem | OK       |
| 106 | CCB09       | CCB09           | CCB | 05/05/25 22:03 |         | Kareem | OK       |
| 107 | Q1930-01    | WATER-TREATMENT | SAM | 05/05/25 22:08 |         | Kareem | OK       |
| 108 | Q1930-01DUP | WATER-TREATMENT | DUP | 05/05/25 22:12 |         | Kareem | OK       |
| 109 | Q1930-01L   | WATER-TREATMENT | SD  | 05/05/25 22:16 |         | Kareem | OK       |
| 110 | Q1930-01MS  | WATER-TREATMENT | MS  | 05/05/25 22:21 |         | Kareem | OK       |
| 111 | Q1930-01MSD | WATER-TREATMENT | MSD | 05/05/25 22:25 |         | Kareem | OK       |
| 112 | Q1930-01A   | WATER-TREATMENT | PS  | 05/05/25 22:29 |         | Kareem | OK       |
| 113 | CCV10       | CCV10           | CCV | 05/05/25 22:33 |         | Kareem | OK       |
| 114 | CCB10       | CCB10           | CCB | 05/05/25 22:37 |         | Kareem | OK       |

Instrument ID: P4

**Daily Analysis Runlog For Sequence/QC Batch ID # LB135689**

|                  |                                                 |              |                      |
|------------------|-------------------------------------------------|--------------|----------------------|
| Review By        | JANVI                                           | Review On    | 5/7/2025 11:23:01 AM |
| Supervise By     | jaswal                                          | Supervise On | 5/7/2025 11:23:43 AM |
| <b>STD. NAME</b> | <b>STD REF.#</b>                                |              |                      |
| ICAL Standard    | MP85545,MP85552,MP85549,MP85548,MP85547,MP85546 |              |                      |
| ICV Standard     | MP85553                                         |              |                      |
| CCV Standard     | MP85556                                         |              |                      |
| ICSA Standard    | MP85554,MP85555                                 |              |                      |
| CRI Standard     | MP85552                                         |              |                      |
| LCS Standard     |                                                 |              |                      |
| Chk Standard     | MP85557,MP85558                                 |              |                      |

| Sr# | SampleId | ClientID          | QcType | Date           | Comment | Operator | Status |
|-----|----------|-------------------|--------|----------------|---------|----------|--------|
| 1   | S0       | S0                | CAL1   | 05/06/25 13:43 |         | Kareem   | OK     |
| 2   | S1       | S1                | CAL2   | 05/06/25 13:48 |         | Kareem   | OK     |
| 3   | S2       | S2                | CAL3   | 05/06/25 13:52 |         | Kareem   | OK     |
| 4   | S3       | S3                | CAL4   | 05/06/25 13:56 |         | Kareem   | OK     |
| 5   | S4       | S4                | CAL5   | 05/06/25 14:01 |         | Kareem   | OK     |
| 6   | S5       | S5                | CAL6   | 05/06/25 14:05 |         | Kareem   | OK     |
| 7   | ICV01    | ICV01             | ICV    | 05/06/25 14:47 |         | Kareem   | OK     |
| 8   | LLICV01  | LLICV01           | LLICV  | 05/06/25 15:22 |         | Kareem   | OK     |
| 9   | ICB01    | ICB01             | ICB    | 05/06/25 15:27 |         | Kareem   | OK     |
| 10  | CRI01    | CRI01             | CRDL   | 05/06/25 15:31 |         | Kareem   | OK     |
| 11  | ICSA01   | ICSA01            | ICSA   | 05/06/25 15:50 |         | Kareem   | OK     |
| 12  | ICSAB01  | ICSAB01           | ICSAB  | 05/06/25 15:55 |         | Kareem   | OK     |
| 13  | ICSADL   | ICSADL            | ICSA   | 05/06/25 15:59 |         | Kareem   | OK     |
| 14  | ICSABDL  | ICSABDL           | ICSAB  | 05/06/25 16:03 |         | Kareem   | OK     |
| 15  | CCV01    | CCV01             | CCV    | 05/06/25 16:29 |         | Kareem   | OK     |
| 16  | CCB01    | CCB01             | CCB    | 05/06/25 16:34 |         | Kareem   | OK     |
| 17  | Q1948-01 | 001-WILLETS-PT-BL | SAM    | 05/06/25 16:38 |         | Kareem   | OK     |
| 18  | Q1948-02 | 002-35TH-AVE(APR) | SAM    | 05/06/25 16:42 |         | Kareem   | OK     |

Instrument ID: P4

**Daily Analysis Runlog For Sequence/QC Batch ID # LB135689**

|                  |                                                 |              |                      |
|------------------|-------------------------------------------------|--------------|----------------------|
| Review By        | JANVI                                           | Review On    | 5/7/2025 11:23:01 AM |
| Supervise By     | jaswal                                          | Supervise On | 5/7/2025 11:23:43 AM |
| <b>STD. NAME</b> | <b>STD REF.#</b>                                |              |                      |
| ICAL Standard    | MP85545,MP85552,MP85549,MP85548,MP85547,MP85546 |              |                      |
| ICV Standard     | MP85553                                         |              |                      |
| CCV Standard     | MP85556                                         |              |                      |
| ICSA Standard    | MP85554,MP85555                                 |              |                      |
| CRI Standard     | MP85552                                         |              |                      |
| LCS Standard     |                                                 |              |                      |
| Chk Standard     | MP85557,MP85558                                 |              |                      |

|    |             |                   |     |                |  |        |    |
|----|-------------|-------------------|-----|----------------|--|--------|----|
| 19 | Q1932-01    | COMP-4            | SAM | 05/06/25 16:47 |  | Kareem | OK |
| 20 | Q1932-03    | COMP-5            | SAM | 05/06/25 16:51 |  | Kareem | OK |
| 21 | Q1932-05    | COMP-6            | SAM | 05/06/25 16:55 |  | Kareem | OK |
| 22 | Q1932-07    | COMP-7            | SAM | 05/06/25 16:59 |  | Kareem | OK |
| 23 | Q1933-01    | OK-01-050125      | SAM | 05/06/25 17:03 |  | Kareem | OK |
| 24 | Q1933-01DUP | OK-01-050125DUP   | DUP | 05/06/25 17:07 |  | Kareem | OK |
| 25 | Q1933-01L   | OK-01-050125L     | SD  | 05/06/25 17:11 |  | Kareem | OK |
| 26 | CCV02       | CCV02             | CCV | 05/06/25 17:15 |  | Kareem | OK |
| 27 | CCB02       | CCB02             | CCB | 05/06/25 17:20 |  | Kareem | OK |
| 28 | Q1933-01MS  | OK-01-050125MS    | MS  | 05/06/25 17:24 |  | Kareem | OK |
| 29 | Q1933-01MSD | OK-01-050125MSD   | MSD | 05/06/25 17:28 |  | Kareem | OK |
| 30 | Q1933-01A   | OK-01-050125A     | PS  | 05/06/25 17:32 |  | Kareem | OK |
| 31 | Q1913-03    | WC-13-S-202504    | SAM | 05/06/25 17:43 |  | Kareem | OK |
| 32 | Q1913-03DUP | WC-13-S-202504DUP | DUP | 05/06/25 17:47 |  | Kareem | OK |
| 33 | Q1913-03L   | WC-13-S-202504L   | SD  | 05/06/25 17:51 |  | Kareem | OK |
| 34 | Q1913-03MS  | WC-13-S-202504MS  | MS  | 05/06/25 17:56 |  | Kareem | OK |
| 35 | Q1913-03MSD | WC-13-S-202504MSD | MSD | 05/06/25 18:00 |  | Kareem | OK |
| 36 | Q1913-03A   | WC-13-S-202504A   | PS  | 05/06/25 18:04 |  | Kareem | OK |
| 37 | CCV03       | CCV03             | CCV | 05/06/25 18:08 |  | Kareem | OK |
| 38 | CCB03       | CCB03             | CCB | 05/06/25 18:13 |  | Kareem | OK |

Instrument ID: P4

**Daily Analysis Runlog For Sequence/QC Batch ID # LB135689**

|                  |                                                 |              |                      |
|------------------|-------------------------------------------------|--------------|----------------------|
| Review By        | JANVI                                           | Review On    | 5/7/2025 11:23:01 AM |
| Supervise By     | jaswal                                          | Supervise On | 5/7/2025 11:23:43 AM |
| <b>STD. NAME</b> | <b>STD REF.#</b>                                |              |                      |
| ICAL Standard    | MP85545,MP85552,MP85549,MP85548,MP85547,MP85546 |              |                      |
| ICV Standard     | MP85553                                         |              |                      |
| CCV Standard     | MP85556                                         |              |                      |
| ICSA Standard    | MP85554,MP85555                                 |              |                      |
| CRI Standard     | MP85552                                         |              |                      |
| LCS Standard     |                                                 |              |                      |
| Chk Standard     | MP85557,MP85558                                 |              |                      |

|    |             |                   |     |                |         |        |          |
|----|-------------|-------------------|-----|----------------|---------|--------|----------|
| 39 | PB167860BL  | PB167860BL        | MB  | 05/06/25 18:17 |         | Kareem | OK       |
| 40 | PB167860BS  | PB167860BS        | LCS | 05/06/25 18:21 |         | Kareem | OK       |
| 41 | PB167781BL  | PB167781BL        | MB  | 05/06/25 18:25 |         | Kareem | OK       |
| 42 | PB167781BS  | PB167781BS        | LCS | 05/06/25 18:37 |         | Kareem | OK       |
| 43 | PB167757BL  | PB167757BL        | MB  | 05/06/25 18:41 |         | Kareem | OK       |
| 44 | PB167757BS  | PB167757BS        | LCS | 05/06/25 19:01 |         | Kareem | OK       |
| 45 | Q1949-01    | 001-WILLETS-PT-BL | SAM | 05/06/25 19:05 |         | Kareem | OK       |
| 46 | CCV04       | CCV04             | CCV | 05/06/25 19:16 |         | Kareem | OK       |
| 47 | CCB04       | CCB04             | CCB | 05/06/25 19:20 |         | Kareem | OK       |
| 48 | Q1949-04    | 002-35TH-AVE(MAY) | SAM | 05/06/25 19:24 |         | Kareem | OK       |
| 49 | Q1949-04DUP | 002-35TH-AVE(MAY) | DUP | 05/06/25 19:29 |         | Kareem | OK       |
| 50 | Q1949-04L   | 002-35TH-AVE(MAY) | SD  | 05/06/25 19:33 |         | Kareem | OK       |
| 51 | Q1949-04MS  | 002-35TH-AVE(MAY) | MS  | 05/06/25 19:37 |         | Kareem | OK       |
| 52 | Q1949-04MSD | 002-35TH-AVE(MAY) | MSD | 05/06/25 19:41 |         | Kareem | OK       |
| 53 | Q1949-04A   | 002-35TH-AVE(MAY) | PS  | 05/06/25 19:45 |         | Kareem | OK       |
| 54 | Q1939-05    | GB3               | SAM | 05/06/25 19:49 | Zn high | Kareem | Dilution |
| 55 | Q1935-01    | MH-NN             | SAM | 05/06/25 19:53 |         | Kareem | OK       |
| 56 | Q1935-05    | MH-MM             | SAM | 05/06/25 19:57 |         | Kareem | OK       |
| 57 | CCV05       | CCV05             | CCV | 05/06/25 20:01 |         | Kareem | OK       |
| 58 | CCB05       | CCB05             | CCB | 05/06/25 20:06 |         | Kareem | OK       |

Instrument ID: P4

**Daily Analysis Runlog For Sequence/QC Batch ID # LB135689**

| Review By     | JANVI                                           | Review On    | 5/7/2025 11:23:01 AM |
|---------------|-------------------------------------------------|--------------|----------------------|
| Supervise By  | jaswal                                          | Supervise On | 5/7/2025 11:23:43 AM |
| STD. NAME     | STD REF.#                                       |              |                      |
| ICAL Standard | MP85545,MP85552,MP85549,MP85548,MP85547,MP85546 |              |                      |
| ICV Standard  | MP85553                                         |              |                      |
| CCV Standard  | MP85556                                         |              |                      |
| ICSA Standard | MP85554,MP85555                                 |              |                      |
| CRI Standard  | MP85552                                         |              |                      |
| LCS Standard  |                                                 |              |                      |
| Chk Standard  | MP85557,MP85558                                 |              |                      |

|    |            |              |     |                |            |        |          |
|----|------------|--------------|-----|----------------|------------|--------|----------|
| 59 | Q1939-01   | GB1          | SAM | 05/06/25 20:10 |            | Kareem | OK       |
| 60 | Q1939-03   | GB2          | SAM | 05/06/25 20:14 |            | Kareem | OK       |
| 61 | Q1945-01DL | GB1WDL       | SAM | 05/06/25 20:18 | 10x for Zn | Kareem | Confirms |
| 62 | Q1946-01   | BB-CONCRETE  | SAM | 05/06/25 20:22 |            | Kareem | OK       |
| 63 | Q1961-01   | EO-01-050525 | SAM | 05/06/25 20:27 |            | Kareem | OK       |
| 64 | CCV06      | CCV06        | CCV | 05/06/25 20:31 |            | Kareem | OK       |
| 65 | CCB06      | CCB06        | CCB | 05/06/25 20:35 |            | 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: 05/05/2025 Time : 11:05 Temp : 96 °C

End Digest Date: 05/05/2025 Time : 14:10 Temp : 96 °C

Digestion tube ID: M5595

Block thermometer ID: MET-DIG. #1

Dig Technician Signature: *[Signature]*

Supervisor Signature: *[Signature]*

Temp : 1. 96°C 2. N/A

| Standard Name | MLS USED | STD REF. # FROM LOG |
|---------------|----------|---------------------|
| LFS-1         | 0.25     | M6005               |
| LFS-2         | 0.25     | M6016               |
| 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           | MP85156    |
| 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#1CELL#50 96 C

| Date / Time    | Prepped Sample Relinquished By/Location | Received By/Location         |
|----------------|-----------------------------------------|------------------------------|
| 05/05/25 13:10 | <i>[Signature]</i> SPS.met.dig          | <i>[Signature]</i> Metal Lab |
|                | 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 |
|---------------|----------------------------------|----|------------------|----------------|--------------|----------------|----------------|---------------|-------------|----------|
| PB167858BL    | PBW858                           | <2 | 50               | 25             | Colorless    | Colorless      | Clear          | Clear         | N/A         | 1        |
| PB167858BS    | LCS858                           | <2 | 50               | 25             | Colorless    | Colorless      | Clear          | Clear         | M6005,M6016 | 2        |
| Q1930-01MS    | WATER-TREATMENT-DISCHA<br>RGEMS  | <2 | 50               | 25             | Colorless    | Colorless      | Clear          | Clear         | M6005,M6016 | 5        |
| Q1930-01MSD   | WATER-TREATMENT-DISCHA<br>RGEMSD | <2 | 50               | 25             | Colorless    | Colorless      | Clear          | Clear         | M6005,M6016 | 6        |
| Q1930-01DUP   | WATER-TREATMENT-DISCHA<br>RGEDUP | <2 | 50               | 25             | Colorless    | Colorless      | Clear          | Clear         | N/A         | 4        |
| Q1930-01      | WATER-TREATMENT-DISCHA<br>RGE    | <2 | 50               | 25             | Colorless    | Colorless      | Clear          | Clear         | N/A         | 3        |
| Q1944-02      | CITY-WATER                       | <2 | 50               | 25             | Colorless    | Colorless      | Clear          | Clear         | N/A         | 7        |
| Q1944-03      | CHILLER-WATER                    | <2 | 50               | 25             | Colorless    | Colorless      | Clear          | Clear         | N/A         | 8        |
| Q1945-01      | GB1W                             | <2 | 50               | 25             | Brown        | light<br>Brown | Clear          | Clear         | N/A         | 9        |
| Q1956-07      | FB-05022025                      | <2 | 50               | 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: 05/05/2025 Time : 07:20 Temp : 93 °C

End Digest Date: 05/05/2025 Time : 09:20 Temp : 94 °C

Digestion tube ID: M5595

Block thermometer ID: HG-DIG#3

Dig Technician Signature: *MB*

Supervisor Signature: *12*

Temp : 1. 93°C 2. N/A

| Standard Name | MLS USED | STD REF. # FROM LOG |
|---------------|----------|---------------------|
| ICV           | 30mL     | MP85536             |
| CCV           | 30mL     | MP85538             |
| CRA           | 30mL     | MP85540             |
| Blank Spike   | 0.48mL   | MP85529             |
| Matrix Spike  | 0.48mL   | MP85529             |

| Chemical Used           | ML/SAMPLE USED | Lot Number |
|-------------------------|----------------|------------|
| HNO3/H2SO4(1:2)         | 2.5mL          | MP85240    |
| KMnO4 (5%)              | 4.5mL          | MP85241    |
| K2S2O8 (5%)             | 2.5mL          | MP85242    |
| Hydroxylamine HCL (12%) | 2.0mL          | MP85243    |
| 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          | MP85530 |
| 0.05 ppb      | S0.05            | N/A           | N/A     |
| 0.2 ppb       | S0.2             | 30mL          | MP85531 |
| 2.5 ppb       | S2.5             | 30mL          | MP85532 |
| 5.0 ppb       | S5.0             | 30mL          | MP85533 |
| 7.5 ppb       | S7.5             | 30mL          | MP85534 |
| 10.0 ppb      | S10.0            | 30mL          | MP85535 |
| ICV           | ICV              | 30mL          | MP85536 |
| ICB           | ICB              | 30mL          | MP85537 |
| CCV           | CCV              | 30mL          | MP85538 |
| CCB           | CCB              | 30mL          | MP85539 |
| CRI           | CRI              | 30mL          | MP85540 |
| CHK STD       | CHK STD          | 30mL          | MP85541 |

### Extraction Conformance/Non-Conformance Comments:

N/A

| Date / Time    | Prepped Sample Relinquished By/Location | Received By/Location |
|----------------|-----------------------------------------|----------------------|
| 5/5/25 @ 10:15 | MB - Dig Lab                            | MB - Prep Lab        |
|                | Preparation Group                       | Analysis Group       |

| Lab Sample ID | Client Sample ID | Initial Vol (ml) | Final Vol (ml) | pH | Comment | Prep Pos |
|---------------|------------------|------------------|----------------|----|---------|----------|
| PB167866BL    | PBW866           | 30               | 30             | <2 | N/A     | 3-37     |
| PB167866BS    | LCS866           | 30               | 30             | <2 | MP85529 | 38       |
| Q1944-02      | CITY-WATER       | 30               | 30             | <2 | N/A     | 39       |
| Q1944-03      | CHILLER-WATER    | 30               | 30             | <2 | N/A     | 40       |
| Q1945-01      | GB1W             | 30               | 30             | <2 | N/A     | 41       |
| Q1945-01DUP   | GB1WDUP          | 30               | 30             | <2 | N/A     | 42       |
| Q1945-01MS    | GB1WMS           | 30               | 30             | <2 | MP85529 | 43       |
| Q1945-01MSD   | GB1WMSD          | 30               | 30             | <2 | MP85529 | 44       |
| Q1956-07      | FB-05022025      | 30               | 30             | <2 | N/A     | 45       |