

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: \_\_\_\_\_

Lab Code: CHEM Case No.: BN080624 SAS No.: BN080624 SDG No.: BN080624

Instrument ID: BNA\_N Calibration Date/Time: 8/6/2024 12:13:04

Lab File ID: BN033270.D Init. Calib. Date(s): \_\_\_\_\_

EPA Sample No.: SSTDCCC0.4 Init. Calib. Time(s): \_\_\_\_\_

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

| COMPOUND                   | RRF   | RRF0.4 | MIN RRF | %D      | MAX%D |
|----------------------------|-------|--------|---------|---------|-------|
| 2-Methylnaphthalene-d10    | 0.593 | 0.581  |         | -2.024  | 20.0  |
| Fluoranthene-d10           | 1.119 | 1.079  |         | -3.575  | 20.0  |
| n-Nitrosodimethylamine     | 0.488 | 0.336  |         | -31.148 | 20.0  |
| 2-Fluorophenol             | 0.991 | 0.881  |         | -11.1   | 20.0  |
| Phenol-d6                  | 1.361 | 1.312  |         | -3.6    | 20.0  |
| bis(2-Chloroethyl) ether   | 1.147 | 1.742  |         | 51.874  | 20.0  |
| Nitrobenzene-d5            | 0.322 | 0.259  |         | -19.565 | 20.0  |
| Naphthalene                | 1.087 | 1.078  |         | -0.828  | 20.0  |
| Hexachlorobutadiene        | 0.202 | 0.221  |         | 9.406   | 20.0  |
| 2-Methylnaphthalene        | 0.648 | 0.564  |         | -12.963 | 20.0  |
| 2-Fluorobiphenyl           | 1.368 | 1.380  |         | 0.877   | 20.0  |
| Acenaphthylene             | 1.596 | 1.580  |         | -1.003  | 20.0  |
| Acenaphthene               | 1.152 | 1.184  |         | 2.778   | 20.0  |
| Fluorene                   | 1.559 | 1.613  |         | 3.464   | 20.0  |
| 4,6-Dinitro-2-methylphenol | 0.052 | 0.031  |         | -40.385 | 20.0  |
| 2,4,6-Tribromophenol       | 0.149 | 0.152  |         | 2.013   | 20.0  |
| 4-Bromophenyl-phenylether  | 0.212 | 0.210  |         | -0.943  | 20.0  |
| Hexachlorobenzene          | 0.222 | 0.225  |         | 1.351   | 20.0  |
| Atrazine                   | 0.200 | 0.184  |         | -8.0    | 20.0  |
| Pentachlorophenol          | 0.074 | 0.071  |         | -4.054  | 20.0  |
| Phenanthrene               | 1.076 | 1.005  |         | -6.599  | 20.0  |
| Anthracene                 | 0.902 | 0.747  |         | -17.184 | 20.0  |
| Fluoranthene               | 1.476 | 1.386  |         | -6.098  | 20.0  |
| Pyrene                     | 1.398 | 1.403  |         | 0.358   | 20.0  |
| Terphenyl-d14              | 0.691 | 0.685  |         | -0.868  | 20.0  |
| Benzo(a)anthracene         | 1.152 | 0.962  |         | -16.493 | 20.0  |
| Chrysene                   | 1.547 | 1.652  |         | 6.787   | 20.0  |
| Bis(2-ethylhexyl)phthalate | 0.277 | 0.286  |         | 3.249   | 20.0  |
| Benzo(b)fluoranthene       | 1.213 | 1.134  |         | -6.513  | 20.0  |
| Benzo(k)fluoranthene       | 1.518 | 1.518  |         | 0.0     | 20.0  |
| Benzo(a)pyrene             | 1.218 | 1.246  |         | 2.299   | 20.0  |
| Indeno(1,2,3-cd)pyrene     | 1.808 | 1.635  |         | -9.569  | 20.0  |
| Dibenzo(a,h)anthracene     | 1.428 | 1.281  |         | -10.294 | 20.0  |
| Benzo(g,h,i)perylene       | 1.636 | 1.507  |         | -7.885  | 20.0  |
| 1,4-Dioxane                | 0.583 | 0.682  |         | 16.981  | 20.0  |

All other compounds must meet a minimum RRF of 0.010.

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: \_\_\_\_\_  
Lab Code: CHEM Case No.: BN080624 SAS No.: BN080624 SDG No.: BN080624  
Instrument ID: BNA\_N Calibration Date/Time: 8/6/2024 12:23:29  
Lab File ID: BN033287.D Init. Calib. Date(s): \_\_\_\_\_  
EPA Sample No.: SSTDCCC0.4EC Init. Calib. Time(s): \_\_\_\_\_  
GC Column: ZB-GR ID: 0.25 (mm)

| COMPOUND                   | RRF   | RRF0.4 | MIN RRF | %D      | MAX%D |
|----------------------------|-------|--------|---------|---------|-------|
| 2-Methylnaphthalene-d10    | 0.593 | 0.585  |         | -1.349  | 50.0  |
| Fluoranthene-d10           | 1.119 | 1.067  |         | -4.647  | 50.0  |
| n-Nitrosodimethylamine     | 0.488 | 0.397  |         | -18.648 | 50.0  |
| 2-Fluorophenol             | 0.991 | 1.279  |         | 29.062  | 50.0  |
| Phenol-d6                  | 1.361 | 1.789  |         | 31.447  | 50.0  |
| bis(2-Chloroethyl)ether    | 1.147 | 2.572  |         | 124.237 | 50.0  |
| Nitrobenzene-d5            | 0.322 | 0.279  |         | -13.354 | 50.0  |
| Naphthalene                | 1.087 | 1.082  |         | -0.46   | 50.0  |
| Hexachlorobutadiene        | 0.202 | 0.215  |         | 6.436   | 50.0  |
| 2-Methylnaphthalene        | 0.648 | 0.620  |         | -4.321  | 50.0  |
| 2-Fluorobiphenyl           | 1.368 | 1.396  |         | 2.047   | 50.0  |
| Acenaphthylene             | 1.596 | 1.595  |         | -0.063  | 50.0  |
| Acenaphthene               | 1.152 | 1.200  |         | 4.167   | 50.0  |
| Fluorene                   | 1.559 | 1.597  |         | 2.437   | 50.0  |
| 4,6-Dinitro-2-methylphenol | 0.052 | 0.033  |         | -36.538 | 50.0  |
| 2,4,6-Tribromophenol       | 0.149 | 0.157  |         | 5.369   | 50.0  |
| 4-Bromophenyl-phenylether  | 0.212 | 0.206  |         | -2.83   | 50.0  |
| Hexachlorobenzene          | 0.222 | 0.231  |         | 4.054   | 50.0  |
| Atrazine                   | 0.200 | 0.181  |         | -9.5    | 50.0  |
| Pentachlorophenol          | 0.074 | 0.064  |         | -13.514 | 50.0  |
| Phenanthrene               | 1.076 | 1.006  |         | -6.506  | 50.0  |
| Anthracene                 | 0.902 | 0.785  |         | -12.971 | 50.0  |
| Fluoranthene               | 1.476 | 1.349  |         | -8.604  | 50.0  |
| Pyrene                     | 1.398 | 1.400  |         | 0.143   | 50.0  |
| Terphenyl-d14              | 0.691 | 0.713  |         | 3.184   | 50.0  |
| Benzo(a)anthracene         | 1.152 | 1.018  |         | -11.632 | 50.0  |
| Chrysene                   | 1.547 | 1.636  |         | 5.753   | 50.0  |
| Bis(2-ethylhexyl)phthalate | 0.277 | 0.293  |         | 5.776   | 50.0  |
| Benzo(b)fluoranthene       | 1.213 | 1.104  |         | -8.986  | 50.0  |
| Benzo(k)fluoranthene       | 1.518 | 1.597  |         | 5.204   | 50.0  |
| Benzo(a)pyrene             | 1.218 | 1.118  |         | -8.21   | 50.0  |
| Indeno(1,2,3-cd)pyrene     | 1.808 | 1.583  |         | -12.445 | 50.0  |
| Dibenzo(a,h)anthracene     | 1.428 | 1.248  |         | -12.605 | 50.0  |
| Benzo(g,h,i)perylene       | 1.636 | 1.439  |         | -12.042 | 50.0  |
| 1,4-Dioxane                | 0.583 | 0.613  |         | 5.146   | 50.0  |

All other compounds must meet a minimum RRF of 0.010.

## Report of Analysis

|                    |                |                 |                      |
|--------------------|----------------|-----------------|----------------------|
| Client:            |                | Date Collected: | 8/5/2024 12:00:00 AM |
| Project:           |                | Date Received:  | 8/5/2024 12:00:00 AM |
| Client Sample ID:  | PB162490BL     | SDG No.:        | BN080624             |
| Lab Sample ID:     | PB162490BL     | Matrix:         | Water                |
| Analytical Method: | 8270-Modified  | % Moisture:     | 100                  |
| Sample Wt/Vol:     | 1000 Units: mL | Final Vol:      | 1000 uL              |
| Soil Aliquot Vol:  | uL             | Test:           |                      |
| Extraction Type :  | Decanted :     | Level :         | LOW                  |
| Injection Volume : | GPC Factor :   | GPC Cleanup :   | PH :                 |

|                   |           |                      |                      |               |
|-------------------|-----------|----------------------|----------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date            | Date Analyzed        | Prep Batch ID |
| BN033271.D        | 1         | 8/5/2024 12:00:00 AM | 8/6/2024 12:00:00 AM | PB162490      |

| CAS Number     | Parameter                  | Conc. | Qualifier | MDL  | LOD | LOQ / CRQL | Units |
|----------------|----------------------------|-------|-----------|------|-----|------------|-------|
| <b>TARGETS</b> |                            |       |           |      |     |            |       |
| 62-75-9        | n-Nitrosodimethylamine     | 0.03  | U         | 0.03 | 0.2 | 0.2        | ug/L  |
| 111-44-4       | bis(2-Chloroethyl)ether    | 0.03  | U         | 0.03 | 0.1 | 0.1        | ug/L  |
| 91-20-3        | Naphthalene                | 0.02  | U         | 0.02 | 0.1 | 0.1        | ug/L  |
| 87-68-3        | Hexachlorobutadiene        | 0.03  | U         | 0.03 | 0.1 | 0.1        | ug/L  |
| 91-57-6        | 2-Methylnaphthalene        | 0.03  | U         | 0.03 | 0.1 | 0.1        | ug/L  |
| 208-96-8       | Acenaphthylene             | 0.02  | U         | 0.02 | 0.1 | 0.1        | ug/L  |
| 83-32-9        | Acenaphthene               | 0.02  | U         | 0.02 | 0.1 | 0.1        | ug/L  |
| Total PAH      | Total PAH                  | 0.45  | U         | 0.45 | 0.1 | 1.6        | ug/L  |
| 86-73-7        | Fluorene                   | 0.02  | U         | 0.02 | 0.1 | 0.1        | ug/L  |
| 534-52-1       | 4,6-Dinitro-2-methylphenol | 0.14  | U         | 0.14 | 0.2 | 0.2        | ug/L  |
| 101-55-3       | 4-Bromophenyl-phenylether  | 0.03  | U         | 0.03 | 0.1 | 0.1        | ug/L  |
| 118-74-1       | Hexachlorobenzene          | 0.03  | U         | 0.03 | 0.1 | 0.1        | ug/L  |
| 1912-24-9      | Atrazine                   | 0.02  | U         | 0.02 | 0.1 | 0.1        | ug/L  |
| 87-86-5        | Pentachlorophenol          | 0.09  | U         | 0.09 | 0.2 | 0.2        | ug/L  |
| 85-01-8        | Phenanthrene               | 0.02  | U         | 0.02 | 0.1 | 0.1        | ug/L  |
| 120-12-7       | Anthracene                 | 0.02  | U         | 0.02 | 0.1 | 0.1        | ug/L  |
| 206-44-0       | Fluoranthene               | 0.02  | U         | 0.02 | 0.1 | 0.1        | ug/L  |
| 129-00-0       | Pyrene                     | 0.02  | U         | 0.02 | 0.1 | 0.1        | ug/L  |
| 56-55-3        | Benzo(a)anthracene         | 0.02  | U         | 0.02 | 0.1 | 0.1        | ug/L  |
| 218-01-9       | Chrysene                   | 0.03  | U         | 0.03 | 0.1 | 0.1        | ug/L  |
| 117-81-7       | Bis(2-ethylhexyl)phthalate | 0.14  | U         | 0.14 | 0.2 | 0.2        | ug/L  |
| 205-99-2       | Benzo(b)fluoranthene       | 0.03  | U         | 0.03 | 0.1 | 0.1        | ug/L  |
| 207-08-9       | Benzo(k)fluoranthene       | 0.03  | U         | 0.03 | 0.1 | 0.1        | ug/L  |
| 50-32-8        | Benzo(a)pyrene             | 0.06  | U         | 0.06 | 0.1 | 0.1        | ug/L  |
| 193-39-5       | Indeno(1,2,3-cd)pyrene     | 0.04  | U         | 0.04 | 0.1 | 0.1        | ug/L  |
| 53-70-3        | Dibenzo(a,h)anthracene     | 0.04  | U         | 0.04 | 0.1 | 0.1        | ug/L  |
| 191-24-2       | Benzo(g,h,i)perylene       | 0.04  | U         | 0.04 | 0.1 | 0.1        | ug/L  |
| 123-91-1       | 1,4-Dioxane                | 0.07  | U         | 0.07 | 0.2 | 0.2        | ug/L  |

## Report of Analysis

|                    |                        |                 |                      |
|--------------------|------------------------|-----------------|----------------------|
| Client:            |                        | Date Collected: | 8/5/2024 12:00:00 AM |
| Project:           |                        | Date Received:  | 8/5/2024 12:00:00 AM |
| Client Sample ID:  | PB162490BL             | SDG No.:        | BN080624             |
| Lab Sample ID:     | PB162490BL             | Matrix:         | Water                |
| Analytical Method: | 8270-Modified          | % Moisture:     | 100                  |
| Sample Wt/Vol:     | 1000      Units:    mL | Final Vol:      | 1000              uL |
| Soil Aliquot Vol:  | uL                     | Test:           |                      |
| Extraction Type :  | Decanted :             | Level :         | LOW                  |
| Injection Volume : | GPC Factor :           | GPC Cleanup :   | PH :                 |

|                   |           |                      |                      |               |
|-------------------|-----------|----------------------|----------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date            | Date Analyzed        | Prep Batch ID |
| BN033271.D        | 1         | 8/5/2024 12:00:00 AM | 8/6/2024 12:00:00 AM | PB162490      |

| CAS Number                | Parameter               | Conc. | Qualifier | MDL    | LOD | LOQ / CRQL | Units     |
|---------------------------|-------------------------|-------|-----------|--------|-----|------------|-----------|
| <b>SURROGATES</b>         |                         |       |           |        |     |            |           |
| 7297-45-2                 | 2-Methylnaphthalene-d10 | 0.38  |           | 30-150 |     | 95         | SPK: -0.4 |
| 93951-69-0                | Fluoranthene-d10        | 0.375 |           | 30-150 |     | 94         | SPK: -0.4 |
| 367-12-4                  | 2-Fluorophenol          | 0.371 | *         | 10-92  |     | 93         | SPK: -0.4 |
| 13127-88-3                | Phenol-d6               | 0.322 |           | 10-100 |     | 81         | SPK: -0.4 |
| 4165-60-0                 | Nitrobenzene-d5         | 0.4   |           | 11-175 |     | 100        | SPK: -0.4 |
| 321-60-8                  | 2-Fluorobiphenyl        | 0.17  |           | 10-175 |     | 43         | SPK: -0.4 |
| 118-79-6                  | 2,4,6-Tribromophenol    | 0.191 |           | 24-148 |     | 48         | SPK: -0.4 |
| 1718-51-0                 | Terphenyl-d14           | 0.427 |           | 54-171 |     | 107        | SPK: -0.4 |
| <b>INTERNAL STANDARDS</b> |                         |       |           |        |     |            |           |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4  | 736   | 7.69      |        |     |            |           |
| 1146-65-2                 | Naphthalene-d8          | 2380  | 10.532    |        |     |            |           |
| 15067-26-2                | Acenaphthene-d10        | 1701  | 14.222    |        |     |            |           |
| 1517-22-2                 | Phenanthrene-d10        | 4323  | 17.007    |        |     |            |           |
| 1719-03-5                 | Chrysene-d12            | 4778  | 21.169    |        |     |            |           |
| 1520-96-3                 | Perylene-d12            | 5313  | 23.338    |        |     |            |           |

## Report of Analysis

|                    |                |                 |                      |
|--------------------|----------------|-----------------|----------------------|
| Client:            |                | Date Collected: | 8/5/2024 12:00:00 AM |
| Project:           |                | Date Received:  | 8/5/2024 12:00:00 AM |
| Client Sample ID:  | PB162490BS     | SDG No.:        | BN080624             |
| Lab Sample ID:     | PB162490BS     | Matrix:         | Water                |
| Analytical Method: | 8270-Modified  | % Moisture:     | 100                  |
| Sample Wt/Vol:     | 1000 Units: mL | Final Vol:      | 1000 uL              |
| Soil Aliquot Vol:  | uL             | Test:           |                      |
| Extraction Type :  | Decanted :     | Level :         | LOW                  |
| Injection Volume : | GPC Factor :   | GPC Cleanup :   | PH :                 |

|                   |           |                      |                      |               |
|-------------------|-----------|----------------------|----------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date            | Date Analyzed        | Prep Batch ID |
| BN033272.D        | 1         | 8/5/2024 12:00:00 AM | 8/6/2024 12:00:00 AM | PB162490      |

| CAS Number     | Parameter                  | Conc. | Qualifier | MDL  | LOD | LOQ / CRQL | Units |
|----------------|----------------------------|-------|-----------|------|-----|------------|-------|
| <b>TARGETS</b> |                            |       |           |      |     |            |       |
| 62-75-9        | n-Nitrosodimethylamine     | 0.26  |           | 0.03 | 0.2 | 0.2        | ug/L  |
| 111-44-4       | bis(2-Chloroethyl)ether    | 0.73  |           | 0.03 | 0.1 | 0.1        | ug/L  |
| 91-20-3        | Naphthalene                | 0.4   |           | 0.02 | 0.1 | 0.1        | ug/L  |
| 87-68-3        | Hexachlorobutadiene        | 0.45  |           | 0.03 | 0.1 | 0.1        | ug/L  |
| 91-57-6        | 2-Methylnaphthalene        | 0.33  |           | 0.03 | 0.1 | 0.1        | ug/L  |
| 208-96-8       | Acenaphthylene             | 0.39  |           | 0.02 | 0.1 | 0.1        | ug/L  |
| 83-32-9        | Acenaphthene               | 0.41  |           | 0.02 | 0.1 | 0.1        | ug/L  |
| Total PAH      | Total PAH                  | 6.1   |           | 0.45 | 0.1 | 1.6        | ug/L  |
| 86-73-7        | Fluorene                   | 0.41  |           | 0.02 | 0.1 | 0.1        | ug/L  |
| 534-52-1       | 4,6-Dinitro-2-methylphenol | 0.41  |           | 0.14 | 0.2 | 0.2        | ug/L  |
| 101-55-3       | 4-Bromophenyl-phenylether  | 0.39  |           | 0.03 | 0.1 | 0.1        | ug/L  |
| 118-74-1       | Hexachlorobenzene          | 0.4   |           | 0.03 | 0.1 | 0.1        | ug/L  |
| 1912-24-9      | Atrazine                   | 0.37  |           | 0.02 | 0.1 | 0.1        | ug/L  |
| 87-86-5        | Pentachlorophenol          | 0.32  |           | 0.09 | 0.2 | 0.2        | ug/L  |
| 85-01-8        | Phenanthrene               | 0.37  |           | 0.02 | 0.1 | 0.1        | ug/L  |
| 120-12-7       | Anthracene                 | 0.33  |           | 0.02 | 0.1 | 0.1        | ug/L  |
| 206-44-0       | Fluoranthene               | 0.37  |           | 0.02 | 0.1 | 0.1        | ug/L  |
| 129-00-0       | Pyrene                     | 0.41  |           | 0.02 | 0.1 | 0.1        | ug/L  |
| 56-55-3        | Benzo(a)anthracene         | 0.31  |           | 0.02 | 0.1 | 0.1        | ug/L  |
| 218-01-9       | Chrysene                   | 0.47  |           | 0.03 | 0.1 | 0.1        | ug/L  |
| 117-81-7       | Bis(2-ethylhexyl)phthalate | 0.52  |           | 0.14 | 0.2 | 0.2        | ug/L  |
| 205-99-2       | Benzo(b)fluoranthene       | 0.36  |           | 0.03 | 0.1 | 0.1        | ug/L  |
| 207-08-9       | Benzo(k)fluoranthene       | 0.4   |           | 0.03 | 0.1 | 0.1        | ug/L  |
| 50-32-8        | Benzo(a)pyrene             | 0.39  |           | 0.06 | 0.1 | 0.1        | ug/L  |
| 193-39-5       | Indeno(1,2,3-cd)pyrene     | 0.36  |           | 0.04 | 0.1 | 0.1        | ug/L  |
| 53-70-3        | Dibenzo(a,h)anthracene     | 0.35  |           | 0.04 | 0.1 | 0.1        | ug/L  |
| 191-24-2       | Benzo(g,h,i)perylene       | 0.37  |           | 0.04 | 0.1 | 0.1        | ug/L  |
| 123-91-1       | 1,4-Dioxane                | 0.4   |           | 0.07 | 0.2 | 0.2        | ug/L  |

## Report of Analysis

|                    |                        |                 |                      |
|--------------------|------------------------|-----------------|----------------------|
| Client:            |                        | Date Collected: | 8/5/2024 12:00:00 AM |
| Project:           |                        | Date Received:  | 8/5/2024 12:00:00 AM |
| Client Sample ID:  | PB162490BS             | SDG No.:        | BN080624             |
| Lab Sample ID:     | PB162490BS             | Matrix:         | Water                |
| Analytical Method: | 8270-Modified          | % Moisture:     | 100                  |
| Sample Wt/Vol:     | 1000      Units:    mL | Final Vol:      | 1000      uL         |
| Soil Aliquot Vol:  | uL                     | Test:           |                      |
| Extraction Type :  | Decanted :             | Level :         | LOW                  |
| Injection Volume : | GPC Factor :           | GPC Cleanup :   | PH :                 |

|                   |           |                      |                      |               |
|-------------------|-----------|----------------------|----------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date            | Date Analyzed        | Prep Batch ID |
| BN033272.D        | 1         | 8/5/2024 12:00:00 AM | 8/6/2024 12:00:00 AM | PB162490      |

| CAS Number                | Parameter               | Conc. | Qualifier | MDL    | LOD | LOQ / CRQL | Units     |
|---------------------------|-------------------------|-------|-----------|--------|-----|------------|-----------|
| <b>SURROGATES</b>         |                         |       |           |        |     |            |           |
| 7297-45-2                 | 2-Methylnaphthalene-d10 | 0.416 |           | 30-150 |     | 104        | SPK: -0.4 |
| 93951-69-0                | Fluoranthene-d10        | 0.382 |           | 30-150 |     | 95         | SPK: -0.4 |
| 367-12-4                  | 2-Fluorophenol          | 0.457 | *         | 10-92  |     | 114        | SPK: -0.4 |
| 13127-88-3                | Phenol-d6               | 0.434 | *         | 10-100 |     | 108        | SPK: -0.4 |
| 4165-60-0                 | Nitrobenzene-d5         | 0.346 |           | 11-175 |     | 86         | SPK: -0.4 |
| 321-60-8                  | 2-Fluorobiphenyl        | 0.397 |           | 10-175 |     | 99         | SPK: -0.4 |
| 118-79-6                  | 2,4,6-Tribromophenol    | 0.404 |           | 24-148 |     | 101        | SPK: -0.4 |
| 1718-51-0                 | Terphenyl-d14           | 0.408 |           | 54-171 |     | 102        | SPK: -0.4 |
| <b>INTERNAL STANDARDS</b> |                         |       |           |        |     |            |           |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4  | 693   | 7.561     |        |     |            |           |
| 1146-65-2                 | Naphthalene-d8          | 2705  | 10.34     |        |     |            |           |
| 15067-26-2                | Acenaphthene-d10        | 1884  | 14.137    |        |     |            |           |
| 1517-22-2                 | Phenanthrene-d10        | 4489  | 16.933    |        |     |            |           |
| 1719-03-5                 | Chrysene-d12            | 4554  | 21.143    |        |     |            |           |
| 1520-96-3                 | Perylene-d12            | 5551  | 23.309    |        |     |            |           |

## Report of Analysis

|                    |                |                 |                      |
|--------------------|----------------|-----------------|----------------------|
| Client:            |                | Date Collected: | 8/5/2024 12:00:00 AM |
| Project:           |                | Date Received:  | 8/5/2024 12:00:00 AM |
| Client Sample ID:  | PB162490BSD    | SDG No.:        | BN080624             |
| Lab Sample ID:     | PB162490BSD    | Matrix:         | Water                |
| Analytical Method: | 8270-Modified  | % Moisture:     | 100                  |
| Sample Wt/Vol:     | 1000 Units: mL | Final Vol:      | 1000 uL              |
| Soil Aliquot Vol:  | uL             | Test:           |                      |
| Extraction Type :  | Decanted :     | Level :         | LOW                  |
| Injection Volume : | GPC Factor :   | GPC Cleanup :   | PH :                 |

|                   |           |                      |                      |               |
|-------------------|-----------|----------------------|----------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date            | Date Analyzed        | Prep Batch ID |
| BN033273.D        | 1         | 8/5/2024 12:00:00 AM | 8/6/2024 12:00:00 AM | PB162490      |

| CAS Number     | Parameter                  | Conc. | Qualifier | MDL  | LOD | LOQ / CRQL | Units |
|----------------|----------------------------|-------|-----------|------|-----|------------|-------|
| <b>TARGETS</b> |                            |       |           |      |     |            |       |
| 62-75-9        | n-Nitrosodimethylamine     | 0.29  |           | 0.03 | 0.2 | 0.2        | ug/L  |
| 111-44-4       | bis(2-Chloroethyl)ether    | 0.81  |           | 0.03 | 0.1 | 0.1        | ug/L  |
| 91-20-3        | Naphthalene                | 0.4   |           | 0.02 | 0.1 | 0.1        | ug/L  |
| 87-68-3        | Hexachlorobutadiene        | 0.43  |           | 0.03 | 0.1 | 0.1        | ug/L  |
| 91-57-6        | 2-Methylnaphthalene        | 0.34  |           | 0.03 | 0.1 | 0.1        | ug/L  |
| 208-96-8       | Acenaphthylene             | 0.39  |           | 0.02 | 0.1 | 0.1        | ug/L  |
| 83-32-9        | Acenaphthene               | 0.42  |           | 0.02 | 0.1 | 0.1        | ug/L  |
| Total PAH      | Total PAH                  | 6.13  |           | 0.45 | 0.1 | 1.6        | ug/L  |
| 86-73-7        | Fluorene                   | 0.41  |           | 0.02 | 0.1 | 0.1        | ug/L  |
| 534-52-1       | 4,6-Dinitro-2-methylphenol | 0.35  |           | 0.14 | 0.2 | 0.2        | ug/L  |
| 101-55-3       | 4-Bromophenyl-phenylether  | 0.4   |           | 0.03 | 0.1 | 0.1        | ug/L  |
| 118-74-1       | Hexachlorobenzene          | 0.42  |           | 0.03 | 0.1 | 0.1        | ug/L  |
| 1912-24-9      | Atrazine                   | 0.36  |           | 0.02 | 0.1 | 0.1        | ug/L  |
| 87-86-5        | Pentachlorophenol          | 0.34  |           | 0.09 | 0.2 | 0.2        | ug/L  |
| 85-01-8        | Phenanthrene               | 0.38  |           | 0.02 | 0.1 | 0.1        | ug/L  |
| 120-12-7       | Anthracene                 | 0.34  |           | 0.02 | 0.1 | 0.1        | ug/L  |
| 206-44-0       | Fluoranthene               | 0.38  |           | 0.02 | 0.1 | 0.1        | ug/L  |
| 129-00-0       | Pyrene                     | 0.41  |           | 0.02 | 0.1 | 0.1        | ug/L  |
| 56-55-3        | Benzo(a)anthracene         | 0.33  |           | 0.02 | 0.1 | 0.1        | ug/L  |
| 218-01-9       | Chrysene                   | 0.45  |           | 0.03 | 0.1 | 0.1        | ug/L  |
| 117-81-7       | Bis(2-ethylhexyl)phthalate | 0.51  |           | 0.14 | 0.2 | 0.2        | ug/L  |
| 205-99-2       | Benzo(b)fluoranthene       | 0.37  |           | 0.03 | 0.1 | 0.1        | ug/L  |
| 207-08-9       | Benzo(k)fluoranthene       | 0.4   |           | 0.03 | 0.1 | 0.1        | ug/L  |
| 50-32-8        | Benzo(a)pyrene             | 0.39  |           | 0.06 | 0.1 | 0.1        | ug/L  |
| 193-39-5       | Indeno(1,2,3-cd)pyrene     | 0.35  |           | 0.04 | 0.1 | 0.1        | ug/L  |
| 53-70-3        | Dibenzo(a,h)anthracene     | 0.35  |           | 0.04 | 0.1 | 0.1        | ug/L  |
| 191-24-2       | Benzo(g,h,i)perylene       | 0.36  |           | 0.04 | 0.1 | 0.1        | ug/L  |
| 123-91-1       | 1,4-Dioxane                | 0.39  |           | 0.07 | 0.2 | 0.2        | ug/L  |

## Report of Analysis

|                    |                |                 |                      |
|--------------------|----------------|-----------------|----------------------|
| Client:            |                | Date Collected: | 8/5/2024 12:00:00 AM |
| Project:           |                | Date Received:  | 8/5/2024 12:00:00 AM |
| Client Sample ID:  | PB162490BSD    | SDG No.:        | BN080624             |
| Lab Sample ID:     | PB162490BSD    | Matrix:         | Water                |
| Analytical Method: | 8270-Modified  | % Moisture:     | 100                  |
| Sample Wt/Vol:     | 1000 Units: mL | Final Vol:      | 1000 uL              |
| Soil Aliquot Vol:  | uL             | Test:           |                      |
| Extraction Type :  | Decanted :     | Level :         | LOW                  |
| Injection Volume : | GPC Factor :   | GPC Cleanup :   | PH :                 |

|                   |           |                      |                      |               |
|-------------------|-----------|----------------------|----------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date            | Date Analyzed        | Prep Batch ID |
| BN033273.D        | 1         | 8/5/2024 12:00:00 AM | 8/6/2024 12:00:00 AM | PB162490      |

| CAS Number                | Parameter               | Conc. | Qualifier | MDL    | LOD | LOQ / CRQL | Units     |
|---------------------------|-------------------------|-------|-----------|--------|-----|------------|-----------|
| <b>SURROGATES</b>         |                         |       |           |        |     |            |           |
| 7297-45-2                 | 2-Methylnaphthalene-d10 | 0.367 |           | 30-150 |     | 92         | SPK: -0.4 |
| 93951-69-0                | Fluoranthene-d10        | 0.394 |           | 30-150 |     | 98         | SPK: -0.4 |
| 367-12-4                  | 2-Fluorophenol          | 0.429 | *         | 10-92  |     | 107        | SPK: -0.4 |
| 13127-88-3                | Phenol-d6               | 0.422 | *         | 10-100 |     | 105        | SPK: -0.4 |
| 4165-60-0                 | Nitrobenzene-d5         | 0.348 |           | 11-175 |     | 87         | SPK: -0.4 |
| 321-60-8                  | 2-Fluorobiphenyl        | 0.394 |           | 10-175 |     | 98         | SPK: -0.4 |
| 118-79-6                  | 2,4,6-Tribromophenol    | 0.417 |           | 24-148 |     | 104        | SPK: -0.4 |
| 1718-51-0                 | Terphenyl-d14           | 0.406 |           | 54-171 |     | 101        | SPK: -0.4 |
| <b>INTERNAL STANDARDS</b> |                         |       |           |        |     |            |           |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4  | 699   | 7.561     |        |     |            |           |
| 1146-65-2                 | Naphthalene-d8          | 2758  | 10.34     |        |     |            |           |
| 15067-26-2                | Acenaphthene-d10        | 1926  | 14.137    |        |     |            |           |
| 1517-22-2                 | Phenanthrene-d10        | 4480  | 16.933    |        |     |            |           |
| 1719-03-5                 | Chrysene-d12            | 4687  | 21.134    |        |     |            |           |
| 1520-96-3                 | Perylene-d12            | 5795  | 23.309    |        |     |            |           |

## Report of Analysis

|                    |                       |                 |                       |
|--------------------|-----------------------|-----------------|-----------------------|
| Client:            |                       | Date Collected: | 7/31/2024 12:00:00 AM |
| Project:           |                       | Date Received:  | 7/31/2024 12:00:00 AM |
| Client Sample ID:  | EB-70-150             | SDG No.:        | BN080624              |
| Lab Sample ID:     | P3458-02              | Matrix:         | Water                 |
| Analytical Method: | 8270-Modified         | % Moisture:     | 100                   |
| Sample Wt/Vol:     | 960      Units:    mL | Final Vol:      | 1000      uL          |
| Soil Aliquot Vol:  | uL                    | Test:           |                       |
| Extraction Type :  | Decanted :            | Level :         | LOW                   |
| Injection Volume : | GPC Factor :          | GPC Cleanup :   | PH :                  |

|                   |           |                      |                      |               |
|-------------------|-----------|----------------------|----------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date            | Date Analyzed        | Prep Batch ID |
| BN033274.D        | 1         | 8/5/2024 12:00:00 AM | 8/6/2024 12:00:00 AM | PB162490      |

| CAS Number     | Parameter                  | Conc. | Qualifier | MDL  | LOD  | LOQ / CRQL | Units |
|----------------|----------------------------|-------|-----------|------|------|------------|-------|
| <b>TARGETS</b> |                            |       |           |      |      |            |       |
| 62-75-9        | n-Nitrosodimethylamine     | 0.03  | U         | 0.03 | 0.21 | 0.21       | ug/L  |
| 111-44-4       | bis(2-Chloroethyl)ether    | 0.03  | U         | 0.03 | 0.1  | 0.1        | ug/L  |
| 91-20-3        | Naphthalene                | 0.03  | U         | 0.03 | 0.1  | 0.1        | ug/L  |
| 87-68-3        | Hexachlorobutadiene        | 0.03  | U         | 0.03 | 0.1  | 0.1        | ug/L  |
| 91-57-6        | 2-Methylnaphthalene        | 0.03  | U         | 0.03 | 0.1  | 0.1        | ug/L  |
| 208-96-8       | Acenaphthylene             | 0.02  | U         | 0.02 | 0.1  | 0.1        | ug/L  |
| 83-32-9        | Acenaphthene               | 0.02  | U         | 0.02 | 0.1  | 0.1        | ug/L  |
| Total PAH      | Total PAH                  | 0.48  | U         | 0.48 | 0.1  | 1.6        | ug/L  |
| 86-73-7        | Fluorene                   | 0.02  | U         | 0.02 | 0.1  | 0.1        | ug/L  |
| 534-52-1       | 4,6-Dinitro-2-methylphenol | 0.15  | U         | 0.15 | 0.21 | 0.21       | ug/L  |
| 101-55-3       | 4-Bromophenyl-phenylether  | 0.03  | U         | 0.03 | 0.1  | 0.1        | ug/L  |
| 118-74-1       | Hexachlorobenzene          | 0.03  | U         | 0.03 | 0.1  | 0.1        | ug/L  |
| 1912-24-9      | Atrazine                   | 0.02  | U         | 0.02 | 0.1  | 0.1        | ug/L  |
| 87-86-5        | Pentachlorophenol          | 0.09  | U         | 0.09 | 0.21 | 0.21       | ug/L  |
| 85-01-8        | Phenanthrene               | 0.02  | U         | 0.02 | 0.1  | 0.1        | ug/L  |
| 120-12-7       | Anthracene                 | 0.03  | U         | 0.03 | 0.1  | 0.1        | ug/L  |
| 206-44-0       | Fluoranthene               | 0.02  | U         | 0.02 | 0.1  | 0.1        | ug/L  |
| 129-00-0       | Pyrene                     | 0.02  | U         | 0.02 | 0.1  | 0.1        | ug/L  |
| 56-55-3        | Benzo(a)anthracene         | 0.02  | U         | 0.02 | 0.1  | 0.1        | ug/L  |
| 218-01-9       | Chrysene                   | 0.03  | U         | 0.03 | 0.1  | 0.1        | ug/L  |
| 117-81-7       | Bis(2-ethylhexyl)phthalate | 0.15  | U         | 0.15 | 0.21 | 0.21       | ug/L  |
| 205-99-2       | Benzo(b)fluoranthene       | 0.03  | U         | 0.03 | 0.1  | 0.1        | ug/L  |
| 207-08-9       | Benzo(k)fluoranthene       | 0.04  | U         | 0.04 | 0.1  | 0.1        | ug/L  |
| 50-32-8        | Benzo(a)pyrene             | 0.06  | U         | 0.06 | 0.1  | 0.1        | ug/L  |
| 193-39-5       | Indeno(1,2,3-cd)pyrene     | 0.04  | U         | 0.04 | 0.1  | 0.1        | ug/L  |
| 53-70-3        | Dibenzo(a,h)anthracene     | 0.04  | U         | 0.04 | 0.1  | 0.1        | ug/L  |
| 191-24-2       | Benzo(g,h,i)perylene       | 0.04  | U         | 0.04 | 0.1  | 0.1        | ug/L  |
| 123-91-1       | 1,4-Dioxane                | 0.07  | U         | 0.07 | 0.21 | 0.21       | ug/L  |

## Report of Analysis

|                    |               |                 |                       |
|--------------------|---------------|-----------------|-----------------------|
| Client:            |               | Date Collected: | 7/31/2024 12:00:00 AM |
| Project:           |               | Date Received:  | 7/31/2024 12:00:00 AM |
| Client Sample ID:  | EB-70-150     | SDG No.:        | BN080624              |
| Lab Sample ID:     | P3458-02      | Matrix:         | Water                 |
| Analytical Method: | 8270-Modified | % Moisture:     | 100                   |
| Sample Wt/Vol:     | 960           | Units:          | mL                    |
| Soil Aliquot Vol:  |               | Final Vol:      | 1000                  |
| Extraction Type :  |               | Test:           |                       |
| Decanted :         |               | Level :         | LOW                   |
| Injection Volume : |               | GPC Factor :    |                       |
|                    |               | GPC Cleanup :   | PH :                  |

|                   |           |                      |                      |               |
|-------------------|-----------|----------------------|----------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date            | Date Analyzed        | Prep Batch ID |
| BN033274.D        | 1         | 8/5/2024 12:00:00 AM | 8/6/2024 12:00:00 AM | PB162490      |

| CAS Number                | Parameter               | Conc. | Qualifier | MDL    | LOD | LOQ / CRQL | Units     |
|---------------------------|-------------------------|-------|-----------|--------|-----|------------|-----------|
| <b>SURROGATES</b>         |                         |       |           |        |     |            |           |
| 7297-45-2                 | 2-Methylnaphthalene-d10 | 0.295 |           | 30-150 |     | 74         | SPK: -0.4 |
| 93951-69-0                | Fluoranthene-d10        | 0.402 |           | 30-150 |     | 100        | SPK: -0.4 |
| 367-12-4                  | 2-Fluorophenol          | 0.15  |           | 10-92  |     | 38         | SPK: -0.4 |
| 13127-88-3                | Phenol-d6               | 0.051 |           | 10-100 |     | 13         | SPK: -0.4 |
| 4165-60-0                 | Nitrobenzene-d5         | 0.296 |           | 11-175 |     | 74         | SPK: -0.4 |
| 321-60-8                  | 2-Fluorobiphenyl        | 0.334 |           | 10-175 |     | 83         | SPK: -0.4 |
| 118-79-6                  | 2,4,6-Tribromophenol    | 0.356 |           | 24-148 |     | 89         | SPK: -0.4 |
| 1718-51-0                 | Terphenyl-d14           | 0.565 |           | 54-171 |     | 141        | SPK: -0.4 |
| <b>INTERNAL STANDARDS</b> |                         |       |           |        |     |            |           |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4  | 708   | 7.517     |        |     |            |           |
| 1146-65-2                 | Naphthalene-d8          | 2817  | 10.329    |        |     |            |           |
| 15067-26-2                | Acenaphthene-d10        | 1929  | 14.133    |        |     |            |           |
| 1517-22-2                 | Phenanthrene-d10        | 4436  | 16.939    |        |     |            |           |
| 1719-03-5                 | Chrysene-d12            | 4905  | 21.149    |        |     |            |           |
| 1520-96-3                 | Perylene-d12            | 5661  | 23.324    |        |     |            |           |

## Report of Analysis

|                    |                       |                 |                      |
|--------------------|-----------------------|-----------------|----------------------|
| Client:            |                       | Date Collected: | 8/1/2024 12:00:00 AM |
| Project:           |                       | Date Received:  | 8/1/2024 12:00:00 AM |
| Client Sample ID:  | MLS-15-224-239        | SDG No.:        | BN080624             |
| Lab Sample ID:     | P3458-03              | Matrix:         | Water                |
| Analytical Method: | 8270-Modified         | % Moisture:     | 100                  |
| Sample Wt/Vol:     | 980      Units:    mL | Final Vol:      | 1000      uL         |
| Soil Aliquot Vol:  | uL                    | Test:           |                      |
| Extraction Type :  | Decanted :            | Level :         | LOW                  |
| Injection Volume : | GPC Factor :          | GPC Cleanup :   | PH :                 |

|                   |           |                      |                      |               |
|-------------------|-----------|----------------------|----------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date            | Date Analyzed        | Prep Batch ID |
| BN033275.D        | 1         | 8/5/2024 12:00:00 AM | 8/6/2024 12:00:00 AM | PB162490      |

| CAS Number     | Parameter                  | Conc. | Qualifier | MDL  | LOD | LOQ / CRQL | Units |
|----------------|----------------------------|-------|-----------|------|-----|------------|-------|
| <b>TARGETS</b> |                            |       |           |      |     |            |       |
| 62-75-9        | n-Nitrosodimethylamine     | 0.03  | U         | 0.03 | 0.2 | 0.2        | ug/L  |
| 111-44-4       | bis(2-Chloroethyl)ether    | 0.03  | U         | 0.03 | 0.1 | 0.1        | ug/L  |
| 91-20-3        | Naphthalene                | 0.02  | U         | 0.02 | 0.1 | 0.1        | ug/L  |
| 87-68-3        | Hexachlorobutadiene        | 0.03  | U         | 0.03 | 0.1 | 0.1        | ug/L  |
| 91-57-6        | 2-Methylnaphthalene        | 0.03  | U         | 0.03 | 0.1 | 0.1        | ug/L  |
| 208-96-8       | Acenaphthylene             | 0.02  | U         | 0.02 | 0.1 | 0.1        | ug/L  |
| 83-32-9        | Acenaphthene               | 0.02  | U         | 0.02 | 0.1 | 0.1        | ug/L  |
| Total PAH      | Total PAH                  | 0.45  | U         | 0.45 | 0.1 | 1.6        | ug/L  |
| 86-73-7        | Fluorene                   | 0.02  | U         | 0.02 | 0.1 | 0.1        | ug/L  |
| 534-52-1       | 4,6-Dinitro-2-methylphenol | 0.14  | U         | 0.14 | 0.2 | 0.2        | ug/L  |
| 101-55-3       | 4-Bromophenyl-phenylether  | 0.03  | U         | 0.03 | 0.1 | 0.1        | ug/L  |
| 118-74-1       | Hexachlorobenzene          | 0.03  | U         | 0.03 | 0.1 | 0.1        | ug/L  |
| 1912-24-9      | Atrazine                   | 0.02  | U         | 0.02 | 0.1 | 0.1        | ug/L  |
| 87-86-5        | Pentachlorophenol          | 0.09  | U         | 0.09 | 0.2 | 0.2        | ug/L  |
| 85-01-8        | Phenanthrene               | 0.02  | U         | 0.02 | 0.1 | 0.1        | ug/L  |
| 120-12-7       | Anthracene                 | 0.02  | U         | 0.02 | 0.1 | 0.1        | ug/L  |
| 206-44-0       | Fluoranthene               | 0.02  | U         | 0.02 | 0.1 | 0.1        | ug/L  |
| 129-00-0       | Pyrene                     | 0.02  | U         | 0.02 | 0.1 | 0.1        | ug/L  |
| 56-55-3        | Benzo(a)anthracene         | 0.02  | U         | 0.02 | 0.1 | 0.1        | ug/L  |
| 218-01-9       | Chrysene                   | 0.03  | U         | 0.03 | 0.1 | 0.1        | ug/L  |
| 117-81-7       | Bis(2-ethylhexyl)phthalate | 0.14  | U         | 0.14 | 0.2 | 0.2        | ug/L  |
| 205-99-2       | Benzo(b)fluoranthene       | 0.03  | U         | 0.03 | 0.1 | 0.1        | ug/L  |
| 207-08-9       | Benzo(k)fluoranthene       | 0.03  | U         | 0.03 | 0.1 | 0.1        | ug/L  |
| 50-32-8        | Benzo(a)pyrene             | 0.06  | U         | 0.06 | 0.1 | 0.1        | ug/L  |
| 193-39-5       | Indeno(1,2,3-cd)pyrene     | 0.04  | U         | 0.04 | 0.1 | 0.1        | ug/L  |
| 53-70-3        | Dibenzo(a,h)anthracene     | 0.04  | U         | 0.04 | 0.1 | 0.1        | ug/L  |
| 191-24-2       | Benzo(g,h,i)perylene       | 0.04  | U         | 0.04 | 0.1 | 0.1        | ug/L  |
| 123-91-1       | 1,4-Dioxane                | 0.07  | U         | 0.07 | 0.2 | 0.2        | ug/L  |

## Report of Analysis

|                    |                       |                 |                      |
|--------------------|-----------------------|-----------------|----------------------|
| Client:            |                       | Date Collected: | 8/1/2024 12:00:00 AM |
| Project:           |                       | Date Received:  | 8/1/2024 12:00:00 AM |
| Client Sample ID:  | MLS-15-224-239        | SDG No.:        | BN080624             |
| Lab Sample ID:     | P3458-03              | Matrix:         | Water                |
| Analytical Method: | 8270-Modified         | % Moisture:     | 100                  |
| Sample Wt/Vol:     | 980      Units:    mL | Final Vol:      | 1000      uL         |
| Soil Aliquot Vol:  | uL                    | Test:           |                      |
| Extraction Type :  | Decanted :            | Level :         | LOW                  |
| Injection Volume : | GPC Factor :          | GPC Cleanup :   | PH :                 |

|                   |           |                      |                      |               |
|-------------------|-----------|----------------------|----------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date            | Date Analyzed        | Prep Batch ID |
| BN033275.D        | 1         | 8/5/2024 12:00:00 AM | 8/6/2024 12:00:00 AM | PB162490      |

| CAS Number                | Parameter               | Conc. | Qualifier | MDL    | LOD | LOQ / CRQL | Units     |
|---------------------------|-------------------------|-------|-----------|--------|-----|------------|-----------|
| <b>SURROGATES</b>         |                         |       |           |        |     |            |           |
| 7297-45-2                 | 2-Methylnaphthalene-d10 | 0.325 |           | 30-150 |     | 81         | SPK: -0.4 |
| 93951-69-0                | Fluoranthene-d10        | 0.358 |           | 30-150 |     | 90         | SPK: -0.4 |
| 367-12-4                  | 2-Fluorophenol          | 0.138 |           | 10-92  |     | 34         | SPK: -0.4 |
| 13127-88-3                | Phenol-d6               | 0.09  |           | 10-100 |     | 23         | SPK: -0.4 |
| 4165-60-0                 | Nitrobenzene-d5         | 0.323 |           | 11-175 |     | 81         | SPK: -0.4 |
| 321-60-8                  | 2-Fluorobiphenyl        | 0.345 |           | 10-175 |     | 86         | SPK: -0.4 |
| 118-79-6                  | 2,4,6-Tribromophenol    | 0.445 |           | 24-148 |     | 111        | SPK: -0.4 |
| 1718-51-0                 | Terphenyl-d14           | 0.531 |           | 54-171 |     | 133        | SPK: -0.4 |
| <b>INTERNAL STANDARDS</b> |                         |       |           |        |     |            |           |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4  | 969   | 7.503     |        |     |            |           |
| 1146-65-2                 | Naphthalene-d8          | 3343  | 10.244    |        |     |            |           |
| 15067-26-2                | Acenaphthene-d10        | 2195  | 14.126    |        |     |            |           |
| 1517-22-2                 | Phenanthrene-d10        | 5787  | 16.908    |        |     |            |           |
| 1719-03-5                 | Chrysene-d12            | 6667  | 21.116    |        |     |            |           |
| 1520-96-3                 | Perylene-d12            | 7752  | 23.291    |        |     |            |           |

## Report of Analysis

|                    |                       |                 |                      |
|--------------------|-----------------------|-----------------|----------------------|
| Client:            |                       | Date Collected: | 8/1/2024 12:00:00 AM |
| Project:           |                       | Date Received:  | 8/1/2024 12:00:00 AM |
| Client Sample ID:  | MLS-15-360-375        | SDG No.:        | BN080624             |
| Lab Sample ID:     | P3459-02              | Matrix:         | Water                |
| Analytical Method: | 8270-Modified         | % Moisture:     | 100                  |
| Sample Wt/Vol:     | 990      Units:    mL | Final Vol:      | 1000      uL         |
| Soil Aliquot Vol:  | uL                    | Test:           |                      |
| Extraction Type :  | Decanted :            | Level :         | LOW                  |
| Injection Volume : | GPC Factor :          | GPC Cleanup :   | PH :                 |

|                   |           |                      |                      |               |
|-------------------|-----------|----------------------|----------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date            | Date Analyzed        | Prep Batch ID |
| BN033276.D        | 1         | 8/5/2024 12:00:00 AM | 8/6/2024 12:00:00 AM | PB162490      |

| CAS Number     | Parameter                  | Conc. | Qualifier | MDL  | LOD | LOQ / CRQL | Units |
|----------------|----------------------------|-------|-----------|------|-----|------------|-------|
| <b>TARGETS</b> |                            |       |           |      |     |            |       |
| 62-75-9        | n-Nitrosodimethylamine     | 0.03  | U         | 0.03 | 0.2 | 0.2        | ug/L  |
| 111-44-4       | bis(2-Chloroethyl)ether    | 0.03  | U         | 0.03 | 0.1 | 0.1        | ug/L  |
| 91-20-3        | Naphthalene                | 0.02  | U         | 0.02 | 0.1 | 0.1        | ug/L  |
| 87-68-3        | Hexachlorobutadiene        | 0.03  | U         | 0.03 | 0.1 | 0.1        | ug/L  |
| 91-57-6        | 2-Methylnaphthalene        | 0.03  | U         | 0.03 | 0.1 | 0.1        | ug/L  |
| 208-96-8       | Acenaphthylene             | 0.02  | U         | 0.02 | 0.1 | 0.1        | ug/L  |
| 83-32-9        | Acenaphthene               | 0.02  | U         | 0.02 | 0.1 | 0.1        | ug/L  |
| Total PAH      | Total PAH                  | 0.45  | U         | 0.45 | 0.1 | 1.6        | ug/L  |
| 86-73-7        | Fluorene                   | 0.02  | U         | 0.02 | 0.1 | 0.1        | ug/L  |
| 534-52-1       | 4,6-Dinitro-2-methylphenol | 0.14  | U         | 0.14 | 0.2 | 0.2        | ug/L  |
| 101-55-3       | 4-Bromophenyl-phenylether  | 0.03  | U         | 0.03 | 0.1 | 0.1        | ug/L  |
| 118-74-1       | Hexachlorobenzene          | 0.03  | U         | 0.03 | 0.1 | 0.1        | ug/L  |
| 1912-24-9      | Atrazine                   | 0.02  | U         | 0.02 | 0.1 | 0.1        | ug/L  |
| 87-86-5        | Pentachlorophenol          | 0.09  | U         | 0.09 | 0.2 | 0.2        | ug/L  |
| 85-01-8        | Phenanthrene               | 0.02  | U         | 0.02 | 0.1 | 0.1        | ug/L  |
| 120-12-7       | Anthracene                 | 0.02  | U         | 0.02 | 0.1 | 0.1        | ug/L  |
| 206-44-0       | Fluoranthene               | 0.02  | U         | 0.02 | 0.1 | 0.1        | ug/L  |
| 129-00-0       | Pyrene                     | 0.02  | U         | 0.02 | 0.1 | 0.1        | ug/L  |
| 56-55-3        | Benzo(a)anthracene         | 0.02  | U         | 0.02 | 0.1 | 0.1        | ug/L  |
| 218-01-9       | Chrysene                   | 0.03  | U         | 0.03 | 0.1 | 0.1        | ug/L  |
| 117-81-7       | Bis(2-ethylhexyl)phthalate | 0.14  | U         | 0.14 | 0.2 | 0.2        | ug/L  |
| 205-99-2       | Benzo(b)fluoranthene       | 0.03  | U         | 0.03 | 0.1 | 0.1        | ug/L  |
| 207-08-9       | Benzo(k)fluoranthene       | 0.03  | U         | 0.03 | 0.1 | 0.1        | ug/L  |
| 50-32-8        | Benzo(a)pyrene             | 0.06  | U         | 0.06 | 0.1 | 0.1        | ug/L  |
| 193-39-5       | Indeno(1,2,3-cd)pyrene     | 0.04  | U         | 0.04 | 0.1 | 0.1        | ug/L  |
| 53-70-3        | Dibenzo(a,h)anthracene     | 0.04  | U         | 0.04 | 0.1 | 0.1        | ug/L  |
| 191-24-2       | Benzo(g,h,i)perylene       | 0.04  | U         | 0.04 | 0.1 | 0.1        | ug/L  |
| 123-91-1       | 1,4-Dioxane                | 0.07  | U         | 0.07 | 0.2 | 0.2        | ug/L  |

## Report of Analysis

|                    |                       |                 |                      |
|--------------------|-----------------------|-----------------|----------------------|
| Client:            |                       | Date Collected: | 8/1/2024 12:00:00 AM |
| Project:           |                       | Date Received:  | 8/1/2024 12:00:00 AM |
| Client Sample ID:  | MLS-15-360-375        | SDG No.:        | BN080624             |
| Lab Sample ID:     | P3459-02              | Matrix:         | Water                |
| Analytical Method: | 8270-Modified         | % Moisture:     | 100                  |
| Sample Wt/Vol:     | 990      Units:    mL | Final Vol:      | 1000      uL         |
| Soil Aliquot Vol:  | uL                    | Test:           |                      |
| Extraction Type :  | Decanted :            | Level :         | LOW                  |
| Injection Volume : | GPC Factor :          | GPC Cleanup :   | PH :                 |

|                   |           |                      |                      |               |
|-------------------|-----------|----------------------|----------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date            | Date Analyzed        | Prep Batch ID |
| BN033276.D        | 1         | 8/5/2024 12:00:00 AM | 8/6/2024 12:00:00 AM | PB162490      |

| CAS Number                | Parameter               | Conc. | Qualifier | MDL    | LOD | LOQ / CRQL | Units     |
|---------------------------|-------------------------|-------|-----------|--------|-----|------------|-----------|
| <b>SURROGATES</b>         |                         |       |           |        |     |            |           |
| 7297-45-2                 | 2-Methylnaphthalene-d10 | 0.301 |           | 30-150 |     | 75         | SPK: -0.4 |
| 93951-69-0                | Fluoranthene-d10        | 0.383 |           | 30-150 |     | 96         | SPK: -0.4 |
| 367-12-4                  | 2-Fluorophenol          | 0.093 |           | 10-92  |     | 23         | SPK: -0.4 |
| 13127-88-3                | Phenol-d6               | 0.001 | *         | 10-100 |     | 0          | SPK: -0.4 |
| 4165-60-0                 | Nitrobenzene-d5         | 0.27  |           | 11-175 |     | 68         | SPK: -0.4 |
| 321-60-8                  | 2-Fluorobiphenyl        | 0.286 |           | 10-175 |     | 72         | SPK: -0.4 |
| 118-79-6                  | 2,4,6-Tribromophenol    | 0.36  |           | 24-148 |     | 90         | SPK: -0.4 |
| 1718-51-0                 | Terphenyl-d14           | 0.456 |           | 54-171 |     | 114        | SPK: -0.4 |
| <b>INTERNAL STANDARDS</b> |                         |       |           |        |     |            |           |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4  | 747   | 7.604     |        |     |            |           |
| 1146-65-2                 | Naphthalene-d8          | 2464  | 10.383    |        |     |            |           |
| 15067-26-2                | Acenaphthene-d10        | 1782  | 14.154    |        |     |            |           |
| 1517-22-2                 | Phenanthrene-d10        | 4351  | 16.927    |        |     |            |           |
| 1719-03-5                 | Chrysene-d12            | 5137  | 21.131    |        |     |            |           |
| 1520-96-3                 | Perylene-d12            | 6110  | 23.307    |        |     |            |           |

## Report of Analysis

|                    |                       |                 |                      |
|--------------------|-----------------------|-----------------|----------------------|
| Client:            |                       | Date Collected: | 8/2/2024 12:00:00 AM |
| Project:           |                       | Date Received:  | 8/2/2024 12:00:00 AM |
| Client Sample ID:  | MLS-15-383-398        | SDG No.:        | BN080624             |
| Lab Sample ID:     | P3459-03              | Matrix:         | Water                |
| Analytical Method: | 8270-Modified         | % Moisture:     | 100                  |
| Sample Wt/Vol:     | 970      Units:    mL | Final Vol:      | 1000      uL         |
| Soil Aliquot Vol:  | uL                    | Test:           |                      |
| Extraction Type :  | Decanted :            | Level :         | LOW                  |
| Injection Volume : | GPC Factor :          | GPC Cleanup :   | PH :                 |

|                   |           |                      |                      |               |
|-------------------|-----------|----------------------|----------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date            | Date Analyzed        | Prep Batch ID |
| BN033277.D        | 1         | 8/5/2024 12:00:00 AM | 8/6/2024 12:00:00 AM | PB162490      |

| CAS Number     | Parameter                  | Conc. | Qualifier | MDL  | LOD  | LOQ / CRQL | Units |
|----------------|----------------------------|-------|-----------|------|------|------------|-------|
| <b>TARGETS</b> |                            |       |           |      |      |            |       |
| 62-75-9        | n-Nitrosodimethylamine     | 0.03  | U         | 0.03 | 0.21 | 0.21       | ug/L  |
| 111-44-4       | bis(2-Chloroethyl)ether    | 0.03  | U         | 0.03 | 0.1  | 0.1        | ug/L  |
| 91-20-3        | Naphthalene                | 0.02  | U         | 0.02 | 0.1  | 0.1        | ug/L  |
| 87-68-3        | Hexachlorobutadiene        | 0.03  | U         | 0.03 | 0.1  | 0.1        | ug/L  |
| 91-57-6        | 2-Methylnaphthalene        | 0.03  | U         | 0.03 | 0.1  | 0.1        | ug/L  |
| 208-96-8       | Acenaphthylene             | 0.02  | U         | 0.02 | 0.1  | 0.1        | ug/L  |
| 83-32-9        | Acenaphthene               | 0.02  | U         | 0.02 | 0.1  | 0.1        | ug/L  |
| Total PAH      | Total PAH                  | 0.46  | U         | 0.46 | 0.1  | 1.6        | ug/L  |
| 86-73-7        | Fluorene                   | 0.02  | U         | 0.02 | 0.1  | 0.1        | ug/L  |
| 534-52-1       | 4,6-Dinitro-2-methylphenol | 0.14  | U         | 0.14 | 0.21 | 0.21       | ug/L  |
| 101-55-3       | 4-Bromophenyl-phenylether  | 0.03  | U         | 0.03 | 0.1  | 0.1        | ug/L  |
| 118-74-1       | Hexachlorobenzene          | 0.03  | U         | 0.03 | 0.1  | 0.1        | ug/L  |
| 1912-24-9      | Atrazine                   | 0.02  | U         | 0.02 | 0.1  | 0.1        | ug/L  |
| 87-86-5        | Pentachlorophenol          | 0.09  | U         | 0.09 | 0.21 | 0.21       | ug/L  |
| 85-01-8        | Phenanthrene               | 0.02  | U         | 0.02 | 0.1  | 0.1        | ug/L  |
| 120-12-7       | Anthracene                 | 0.02  | U         | 0.02 | 0.1  | 0.1        | ug/L  |
| 206-44-0       | Fluoranthene               | 0.02  | U         | 0.02 | 0.1  | 0.1        | ug/L  |
| 129-00-0       | Pyrene                     | 0.02  | U         | 0.02 | 0.1  | 0.1        | ug/L  |
| 56-55-3        | Benzo(a)anthracene         | 0.02  | U         | 0.02 | 0.1  | 0.1        | ug/L  |
| 218-01-9       | Chrysene                   | 0.03  | U         | 0.03 | 0.1  | 0.1        | ug/L  |
| 117-81-7       | Bis(2-ethylhexyl)phthalate | 0.14  | U         | 0.14 | 0.21 | 0.21       | ug/L  |
| 205-99-2       | Benzo(b)fluoranthene       | 0.03  | U         | 0.03 | 0.1  | 0.1        | ug/L  |
| 207-08-9       | Benzo(k)fluoranthene       | 0.04  | U         | 0.04 | 0.1  | 0.1        | ug/L  |
| 50-32-8        | Benzo(a)pyrene             | 0.06  | U         | 0.06 | 0.1  | 0.1        | ug/L  |
| 193-39-5       | Indeno(1,2,3-cd)pyrene     | 0.04  | U         | 0.04 | 0.1  | 0.1        | ug/L  |
| 53-70-3        | Dibenzo(a,h)anthracene     | 0.04  | U         | 0.04 | 0.1  | 0.1        | ug/L  |
| 191-24-2       | Benzo(g,h,i)perylene       | 0.04  | U         | 0.04 | 0.1  | 0.1        | ug/L  |
| 123-91-1       | 1,4-Dioxane                | 0.07  | U         | 0.07 | 0.21 | 0.21       | ug/L  |

## Report of Analysis

|                    |                       |                 |                      |
|--------------------|-----------------------|-----------------|----------------------|
| Client:            |                       | Date Collected: | 8/2/2024 12:00:00 AM |
| Project:           |                       | Date Received:  | 8/2/2024 12:00:00 AM |
| Client Sample ID:  | MLS-15-383-398        | SDG No.:        | BN080624             |
| Lab Sample ID:     | P3459-03              | Matrix:         | Water                |
| Analytical Method: | 8270-Modified         | % Moisture:     | 100                  |
| Sample Wt/Vol:     | 970      Units:    mL | Final Vol:      | 1000      uL         |
| Soil Aliquot Vol:  | uL                    | Test:           |                      |
| Extraction Type :  | Decanted :            | Level :         | LOW                  |
| Injection Volume : | GPC Factor :          | GPC Cleanup :   | PH :                 |

|                   |           |                      |                      |               |
|-------------------|-----------|----------------------|----------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date            | Date Analyzed        | Prep Batch ID |
| BN033277.D        | 1         | 8/5/2024 12:00:00 AM | 8/6/2024 12:00:00 AM | PB162490      |

| CAS Number                | Parameter               | Conc. | Qualifier | MDL    | LOD | LOQ / CRQL | Units     |
|---------------------------|-------------------------|-------|-----------|--------|-----|------------|-----------|
| <b>SURROGATES</b>         |                         |       |           |        |     |            |           |
| 7297-45-2                 | 2-Methylnaphthalene-d10 | 0.224 |           | 30-150 |     | 56         | SPK: -0.4 |
| 93951-69-0                | Fluoranthene-d10        | 0.34  |           | 30-150 |     | 85         | SPK: -0.4 |
| 367-12-4                  | 2-Fluorophenol          | 0.1   |           | 10-92  |     | 25         | SPK: -0.4 |
| 13127-88-3                | Phenol-d6               | 0.052 |           | 10-100 |     | 13         | SPK: -0.4 |
| 4165-60-0                 | Nitrobenzene-d5         | 0.245 |           | 11-175 |     | 61         | SPK: -0.4 |
| 321-60-8                  | 2-Fluorobiphenyl        | 0.278 |           | 10-175 |     | 69         | SPK: -0.4 |
| 118-79-6                  | 2,4,6-Tribromophenol    | 0.387 |           | 24-148 |     | 97         | SPK: -0.4 |
| 1718-51-0                 | Terphenyl-d14           | 0.382 |           | 54-171 |     | 95         | SPK: -0.4 |
| <b>INTERNAL STANDARDS</b> |                         |       |           |        |     |            |           |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4  | 897   | 7.532     |        |     |            |           |
| 1146-65-2                 | Naphthalene-d8          | 3260  | 10.266    |        |     |            |           |
| 15067-26-2                | Acenaphthene-d10        | 1982  | 14.133    |        |     |            |           |
| 1517-22-2                 | Phenanthrene-d10        | 5340  | 16.915    |        |     |            |           |
| 1719-03-5                 | Chrysene-d12            | 6329  | 21.122    |        |     |            |           |
| 1520-96-3                 | Perylene-d12            | 7144  | 23.295    |        |     |            |           |

## Report of Analysis

|                    |                 |                 |                      |
|--------------------|-----------------|-----------------|----------------------|
| Client:            |                 | Date Collected: | 8/2/2024 12:00:00 AM |
| Project:           |                 | Date Received:  | 8/2/2024 12:00:00 AM |
| Client Sample ID:  | 919-J-WS-080224 | SDG No.:        | BN080624             |
| Lab Sample ID:     | P3467-01        | Matrix:         | Water                |
| Analytical Method: | 8270-Modified   | % Moisture:     | 100                  |
| Sample Wt/Vol:     | 950 Units: mL   | Final Vol:      | 1000 uL              |
| Soil Aliquot Vol:  | uL              | Test:           |                      |
| Extraction Type :  | Decanted :      | Level :         | LOW                  |
| Injection Volume : | GPC Factor :    | GPC Cleanup :   | PH :                 |

|                   |           |                      |                      |               |
|-------------------|-----------|----------------------|----------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date            | Date Analyzed        | Prep Batch ID |
| BN033278.D        | 1         | 8/5/2024 12:00:00 AM | 8/6/2024 12:00:00 AM | PB162490      |

| CAS Number     | Parameter                  | Conc. | Qualifier | MDL  | LOD  | LOQ / CRQL | Units |
|----------------|----------------------------|-------|-----------|------|------|------------|-------|
| <b>TARGETS</b> |                            |       |           |      |      |            |       |
| 62-75-9        | n-Nitrosodimethylamine     | 0.03  | U         | 0.03 | 0.21 | 0.21       | ug/L  |
| 111-44-4       | bis(2-Chloroethyl)ether    | 0.03  | U         | 0.03 | 0.11 | 0.11       | ug/L  |
| 91-20-3        | Naphthalene                | 0.03  | U         | 0.03 | 0.11 | 0.11       | ug/L  |
| 87-68-3        | Hexachlorobutadiene        | 0.03  | U         | 0.03 | 0.11 | 0.11       | ug/L  |
| 91-57-6        | 2-Methylnaphthalene        | 0.03  | U         | 0.03 | 0.11 | 0.11       | ug/L  |
| 208-96-8       | Acenaphthylene             | 0.02  | U         | 0.02 | 0.11 | 0.11       | ug/L  |
| 83-32-9        | Acenaphthene               | 0.02  | U         | 0.02 | 0.11 | 0.11       | ug/L  |
| Total PAH      | Total PAH                  | 0.48  | U         | 0.48 | 0.11 | 1.76       | ug/L  |
| 86-73-7        | Fluorene                   | 0.02  | U         | 0.02 | 0.11 | 0.11       | ug/L  |
| 534-52-1       | 4,6-Dinitro-2-methylphenol | 0.15  | U         | 0.15 | 0.21 | 0.21       | ug/L  |
| 101-55-3       | 4-Bromophenyl-phenylether  | 0.03  | U         | 0.03 | 0.11 | 0.11       | ug/L  |
| 118-74-1       | Hexachlorobenzene          | 0.03  | U         | 0.03 | 0.11 | 0.11       | ug/L  |
| 1912-24-9      | Atrazine                   | 0.02  | U         | 0.02 | 0.11 | 0.11       | ug/L  |
| 87-86-5        | Pentachlorophenol          | 0.09  | U         | 0.09 | 0.21 | 0.21       | ug/L  |
| 85-01-8        | Phenanthrene               | 0.02  | U         | 0.02 | 0.11 | 0.11       | ug/L  |
| 120-12-7       | Anthracene                 | 0.03  | U         | 0.03 | 0.11 | 0.11       | ug/L  |
| 206-44-0       | Fluoranthene               | 0.02  | U         | 0.02 | 0.11 | 0.11       | ug/L  |
| 129-00-0       | Pyrene                     | 0.02  | U         | 0.02 | 0.11 | 0.11       | ug/L  |
| 56-55-3        | Benzo(a)anthracene         | 0.02  | U         | 0.02 | 0.11 | 0.11       | ug/L  |
| 218-01-9       | Chrysene                   | 0.03  | U         | 0.03 | 0.11 | 0.11       | ug/L  |
| 117-81-7       | Bis(2-ethylhexyl)phthalate | 0.15  | U         | 0.15 | 0.21 | 0.21       | ug/L  |
| 205-99-2       | Benzo(b)fluoranthene       | 0.03  | U         | 0.03 | 0.11 | 0.11       | ug/L  |
| 207-08-9       | Benzo(k)fluoranthene       | 0.04  | U         | 0.04 | 0.11 | 0.11       | ug/L  |
| 50-32-8        | Benzo(a)pyrene             | 0.06  | U         | 0.06 | 0.11 | 0.11       | ug/L  |
| 193-39-5       | Indeno(1,2,3-cd)pyrene     | 0.04  | U         | 0.04 | 0.11 | 0.11       | ug/L  |
| 53-70-3        | Dibenzo(a,h)anthracene     | 0.04  | U         | 0.04 | 0.11 | 0.11       | ug/L  |
| 191-24-2       | Benzo(g,h,i)perylene       | 0.04  | U         | 0.04 | 0.11 | 0.11       | ug/L  |
| 123-91-1       | 1,4-Dioxane                | 0.07  | U         | 0.07 | 0.21 | 0.21       | ug/L  |

## Report of Analysis

|                    |                       |                 |                      |
|--------------------|-----------------------|-----------------|----------------------|
| Client:            |                       | Date Collected: | 8/2/2024 12:00:00 AM |
| Project:           |                       | Date Received:  | 8/2/2024 12:00:00 AM |
| Client Sample ID:  | 919-J-WS-080224       | SDG No.:        | BN080624             |
| Lab Sample ID:     | P3467-01              | Matrix:         | Water                |
| Analytical Method: | 8270-Modified         | % Moisture:     | 100                  |
| Sample Wt/Vol:     | 950      Units:    mL | Final Vol:      | 1000      uL         |
| Soil Aliquot Vol:  | uL                    | Test:           |                      |
| Extraction Type :  | Decanted :            | Level :         | LOW                  |
| Injection Volume : | GPC Factor :          | GPC Cleanup :   | PH :                 |

|                   |           |                      |                      |               |
|-------------------|-----------|----------------------|----------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date            | Date Analyzed        | Prep Batch ID |
| BN033278.D        | 1         | 8/5/2024 12:00:00 AM | 8/6/2024 12:00:00 AM | PB162490      |

| CAS Number                | Parameter               | Conc. | Qualifier | MDL    | LOD | LOQ / CRQL | Units     |
|---------------------------|-------------------------|-------|-----------|--------|-----|------------|-----------|
| <b>SURROGATES</b>         |                         |       |           |        |     |            |           |
| 7297-45-2                 | 2-Methylnaphthalene-d10 | 0.361 |           | 30-150 |     | 90         | SPK: -0.4 |
| 93951-69-0                | Fluoranthene-d10        | 0.46  |           | 30-150 |     | 115        | SPK: -0.4 |
| 367-12-4                  | 2-Fluorophenol          | 0.191 |           | 10-92  |     | 48         | SPK: -0.4 |
| 13127-88-3                | Phenol-d6               | 0.139 |           | 10-100 |     | 35         | SPK: -0.4 |
| 4165-60-0                 | Nitrobenzene-d5         | 0.341 |           | 11-175 |     | 85         | SPK: -0.4 |
| 321-60-8                  | 2-Fluorobiphenyl        | 0.364 |           | 10-175 |     | 91         | SPK: -0.4 |
| 118-79-6                  | 2,4,6-Tribromophenol    | 0.493 |           | 24-148 |     | 123        | SPK: -0.4 |
| 1718-51-0                 | Terphenyl-d14           | 0.554 |           | 54-171 |     | 138        | SPK: -0.4 |
| <b>INTERNAL STANDARDS</b> |                         |       |           |        |     |            |           |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4  | 968   | 7.553     |        |     |            |           |
| 1146-65-2                 | Naphthalene-d8          | 3824  | 10.287    |        |     |            |           |
| 15067-26-2                | Acenaphthene-d10        | 2488  | 14.111    |        |     |            |           |
| 1517-22-2                 | Phenanthrene-d10        | 6420  | 16.89     |        |     |            |           |
| 1719-03-5                 | Chrysene-d12            | 7473  | 21.104    |        |     |            |           |
| 1520-96-3                 | Perylene-d12            | 8396  | 23.271    |        |     |            |           |

## Report of Analysis

|                    |                |                 |                      |
|--------------------|----------------|-----------------|----------------------|
| Client:            |                | Date Collected: | 8/2/2024 12:00:00 AM |
| Project:           |                | Date Received:  | 8/2/2024 12:00:00 AM |
| Client Sample ID:  | MLS-15-682-697 | SDG No.:        | BN080624             |
| Lab Sample ID:     | P3468-02       | Matrix:         | Water                |
| Analytical Method: | 8270-Modified  | % Moisture:     | 100                  |
| Sample Wt/Vol:     | 1000 Units: mL | Final Vol:      | 1000 uL              |
| Soil Aliquot Vol:  | uL             | Test:           |                      |
| Extraction Type :  | Decanted :     | Level :         | LOW                  |
| Injection Volume : | GPC Factor :   | GPC Cleanup :   | PH :                 |

|                   |           |                      |                      |               |
|-------------------|-----------|----------------------|----------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date            | Date Analyzed        | Prep Batch ID |
| BN033279.D        | 1         | 8/5/2024 12:00:00 AM | 8/6/2024 12:00:00 AM | PB162490      |

| CAS Number     | Parameter                  | Conc. | Qualifier | MDL  | LOD | LOQ / CRQL | Units |
|----------------|----------------------------|-------|-----------|------|-----|------------|-------|
| <b>TARGETS</b> |                            |       |           |      |     |            |       |
| 62-75-9        | n-Nitrosodimethylamine     | 0.03  | U         | 0.03 | 0.2 | 0.2        | ug/L  |
| 111-44-4       | bis(2-Chloroethyl)ether    | 0.03  | U         | 0.03 | 0.1 | 0.1        | ug/L  |
| 91-20-3        | Naphthalene                | 0.02  | U         | 0.02 | 0.1 | 0.1        | ug/L  |
| 87-68-3        | Hexachlorobutadiene        | 0.03  | U         | 0.03 | 0.1 | 0.1        | ug/L  |
| 91-57-6        | 2-Methylnaphthalene        | 0.03  | U         | 0.03 | 0.1 | 0.1        | ug/L  |
| 208-96-8       | Acenaphthylene             | 0.02  | U         | 0.02 | 0.1 | 0.1        | ug/L  |
| 83-32-9        | Acenaphthene               | 0.02  | U         | 0.02 | 0.1 | 0.1        | ug/L  |
| Total PAH      | Total PAH                  | 0.45  | U         | 0.45 | 0.1 | 1.6        | ug/L  |
| 86-73-7        | Fluorene                   | 0.02  | U         | 0.02 | 0.1 | 0.1        | ug/L  |
| 534-52-1       | 4,6-Dinitro-2-methylphenol | 0.14  | U         | 0.14 | 0.2 | 0.2        | ug/L  |
| 101-55-3       | 4-Bromophenyl-phenylether  | 0.03  | U         | 0.03 | 0.1 | 0.1        | ug/L  |
| 118-74-1       | Hexachlorobenzene          | 0.03  | U         | 0.03 | 0.1 | 0.1        | ug/L  |
| 1912-24-9      | Atrazine                   | 0.02  | U         | 0.02 | 0.1 | 0.1        | ug/L  |
| 87-86-5        | Pentachlorophenol          | 0.09  | U         | 0.09 | 0.2 | 0.2        | ug/L  |
| 85-01-8        | Phenanthrene               | 0.02  | U         | 0.02 | 0.1 | 0.1        | ug/L  |
| 120-12-7       | Anthracene                 | 0.02  | U         | 0.02 | 0.1 | 0.1        | ug/L  |
| 206-44-0       | Fluoranthene               | 0.02  | U         | 0.02 | 0.1 | 0.1        | ug/L  |
| 129-00-0       | Pyrene                     | 0.02  | U         | 0.02 | 0.1 | 0.1        | ug/L  |
| 56-55-3        | Benzo(a)anthracene         | 0.02  | U         | 0.02 | 0.1 | 0.1        | ug/L  |
| 218-01-9       | Chrysene                   | 0.03  | U         | 0.03 | 0.1 | 0.1        | ug/L  |
| 117-81-7       | Bis(2-ethylhexyl)phthalate | 0.14  | U         | 0.14 | 0.2 | 0.2        | ug/L  |
| 205-99-2       | Benzo(b)fluoranthene       | 0.03  | U         | 0.03 | 0.1 | 0.1        | ug/L  |
| 207-08-9       | Benzo(k)fluoranthene       | 0.03  | U         | 0.03 | 0.1 | 0.1        | ug/L  |
| 50-32-8        | Benzo(a)pyrene             | 0.06  | U         | 0.06 | 0.1 | 0.1        | ug/L  |
| 193-39-5       | Indeno(1,2,3-cd)pyrene     | 0.04  | U         | 0.04 | 0.1 | 0.1        | ug/L  |
| 53-70-3        | Dibenzo(a,h)anthracene     | 0.04  | U         | 0.04 | 0.1 | 0.1        | ug/L  |
| 191-24-2       | Benzo(g,h,i)perylene       | 0.04  | U         | 0.04 | 0.1 | 0.1        | ug/L  |
| 123-91-1       | 1,4-Dioxane                | 0.07  | U         | 0.07 | 0.2 | 0.2        | ug/L  |

## Report of Analysis

|                    |                        |                 |                      |
|--------------------|------------------------|-----------------|----------------------|
| Client:            |                        | Date Collected: | 8/2/2024 12:00:00 AM |
| Project:           |                        | Date Received:  | 8/2/2024 12:00:00 AM |
| Client Sample ID:  | MLS-15-682-697         | SDG No.:        | BN080624             |
| Lab Sample ID:     | P3468-02               | Matrix:         | Water                |
| Analytical Method: | 8270-Modified          | % Moisture:     | 100                  |
| Sample Wt/Vol:     | 1000      Units:    mL | Final Vol:      | 1000      uL         |
| Soil Aliquot Vol:  | uL                     | Test:           |                      |
| Extraction Type :  | Decanted :             | Level :         | LOW                  |
| Injection Volume : | GPC Factor :           | GPC Cleanup :   | PH :                 |

|                   |           |                      |                      |               |
|-------------------|-----------|----------------------|----------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date            | Date Analyzed        | Prep Batch ID |
| BN033279.D        | 1         | 8/5/2024 12:00:00 AM | 8/6/2024 12:00:00 AM | PB162490      |

| CAS Number                | Parameter               | Conc. | Qualifier | MDL    | LOD | LOQ / CRQL | Units     |
|---------------------------|-------------------------|-------|-----------|--------|-----|------------|-----------|
| <b>SURROGATES</b>         |                         |       |           |        |     |            |           |
| 7297-45-2                 | 2-Methylnaphthalene-d10 | 0.424 |           | 30-150 |     | 106        | SPK: -0.4 |
| 93951-69-0                | Fluoranthene-d10        | 0.485 |           | 30-150 |     | 121        | SPK: -0.4 |
| 367-12-4                  | 2-Fluorophenol          | 0.138 |           | 10-92  |     | 34         | SPK: -0.4 |
| 13127-88-3                | Phenol-d6               | 0.043 |           | 10-100 |     | 11         | SPK: -0.4 |
| 4165-60-0                 | Nitrobenzene-d5         | 0.362 |           | 11-175 |     | 90         | SPK: -0.4 |
| 321-60-8                  | 2-Fluorobiphenyl        | 0.377 |           | 10-175 |     | 94         | SPK: -0.4 |
| 118-79-6                  | 2,4,6-Tribromophenol    | 0.49  |           | 24-148 |     | 123        | SPK: -0.4 |
| 1718-51-0                 | Terphenyl-d14           | 0.556 |           | 54-171 |     | 139        | SPK: -0.4 |
| <b>INTERNAL STANDARDS</b> |                         |       |           |        |     |            |           |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4  | 890   | 7.546     |        |     |            |           |
| 1146-65-2                 | Naphthalene-d8          | 3267  | 10.319    |        |     |            |           |
| 15067-26-2                | Acenaphthene-d10        | 2318  | 14.126    |        |     |            |           |
| 1517-22-2                 | Phenanthrene-d10        | 5837  | 16.908    |        |     |            |           |
| 1719-03-5                 | Chrysene-d12            | 6453  | 21.125    |        |     |            |           |
| 1520-96-3                 | Perylene-d12            | 7418  | 23.297    |        |     |            |           |

## Report of Analysis

|                    |                |                 |                      |
|--------------------|----------------|-----------------|----------------------|
| Client:            |                | Date Collected: | 8/2/2024 12:00:00 AM |
| Project:           |                | Date Received:  | 8/2/2024 12:00:00 AM |
| Client Sample ID:  | MLS-15-513-528 | SDG No.:        | BN080624             |
| Lab Sample ID:     | P3469-01       | Matrix:         | Water                |
| Analytical Method: | 8270-Modified  | % Moisture:     | 100                  |
| Sample Wt/Vol:     | 1000 Units: mL | Final Vol:      | 1000 uL              |
| Soil Aliquot Vol:  | uL             | Test:           |                      |
| Extraction Type :  | Decanted :     | Level :         | LOW                  |
| Injection Volume : | GPC Factor :   | GPC Cleanup :   | PH :                 |

|                   |           |                      |                      |               |
|-------------------|-----------|----------------------|----------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date            | Date Analyzed        | Prep Batch ID |
| BN033280.D        | 1         | 8/5/2024 12:00:00 AM | 8/6/2024 12:00:00 AM | PB162490      |

| CAS Number     | Parameter                  | Conc. | Qualifier | MDL  | LOD | LOQ / CRQL | Units |
|----------------|----------------------------|-------|-----------|------|-----|------------|-------|
| <b>TARGETS</b> |                            |       |           |      |     |            |       |
| 62-75-9        | n-Nitrosodimethylamine     | 0.03  | U         | 0.03 | 0.2 | 0.2        | ug/L  |
| 111-44-4       | bis(2-Chloroethyl)ether    | 0.03  | U         | 0.03 | 0.1 | 0.1        | ug/L  |
| 91-20-3        | Naphthalene                | 0.02  | U         | 0.02 | 0.1 | 0.1        | ug/L  |
| 87-68-3        | Hexachlorobutadiene        | 0.03  | U         | 0.03 | 0.1 | 0.1        | ug/L  |
| 91-57-6        | 2-Methylnaphthalene        | 0.03  | U         | 0.03 | 0.1 | 0.1        | ug/L  |
| 208-96-8       | Acenaphthylene             | 0.02  | U         | 0.02 | 0.1 | 0.1        | ug/L  |
| 83-32-9        | Acenaphthene               | 0.02  | U         | 0.02 | 0.1 | 0.1        | ug/L  |
| Total PAH      | Total PAH                  | 0.45  | U         | 0.45 | 0.1 | 1.6        | ug/L  |
| 86-73-7        | Fluorene                   | 0.02  | U         | 0.02 | 0.1 | 0.1        | ug/L  |
| 534-52-1       | 4,6-Dinitro-2-methylphenol | 0.14  | U         | 0.14 | 0.2 | 0.2        | ug/L  |
| 101-55-3       | 4-Bromophenyl-phenylether  | 0.03  | U         | 0.03 | 0.1 | 0.1        | ug/L  |
| 118-74-1       | Hexachlorobenzene          | 0.03  | U         | 0.03 | 0.1 | 0.1        | ug/L  |
| 1912-24-9      | Atrazine                   | 0.02  | U         | 0.02 | 0.1 | 0.1        | ug/L  |
| 87-86-5        | Pentachlorophenol          | 0.09  | U         | 0.09 | 0.2 | 0.2        | ug/L  |
| 85-01-8        | Phenanthrene               | 0.02  | U         | 0.02 | 0.1 | 0.1        | ug/L  |
| 120-12-7       | Anthracene                 | 0.02  | U         | 0.02 | 0.1 | 0.1        | ug/L  |
| 206-44-0       | Fluoranthene               | 0.02  | U         | 0.02 | 0.1 | 0.1        | ug/L  |
| 129-00-0       | Pyrene                     | 0.02  | U         | 0.02 | 0.1 | 0.1        | ug/L  |
| 56-55-3        | Benzo(a)anthracene         | 0.02  | U         | 0.02 | 0.1 | 0.1        | ug/L  |
| 218-01-9       | Chrysene                   | 0.03  | U         | 0.03 | 0.1 | 0.1        | ug/L  |
| 117-81-7       | Bis(2-ethylhexyl)phthalate | 0.14  | U         | 0.14 | 0.2 | 0.2        | ug/L  |
| 205-99-2       | Benzo(b)fluoranthene       | 0.03  | U         | 0.03 | 0.1 | 0.1        | ug/L  |
| 207-08-9       | Benzo(k)fluoranthene       | 0.03  | U         | 0.03 | 0.1 | 0.1        | ug/L  |
| 50-32-8        | Benzo(a)pyrene             | 0.06  | U         | 0.06 | 0.1 | 0.1        | ug/L  |
| 193-39-5       | Indeno(1,2,3-cd)pyrene     | 0.04  | U         | 0.04 | 0.1 | 0.1        | ug/L  |
| 53-70-3        | Dibenzo(a,h)anthracene     | 0.04  | U         | 0.04 | 0.1 | 0.1        | ug/L  |
| 191-24-2       | Benzo(g,h,i)perylene       | 0.04  | U         | 0.04 | 0.1 | 0.1        | ug/L  |
| 123-91-1       | 1,4-Dioxane                | 0.07  | U         | 0.07 | 0.2 | 0.2        | ug/L  |

## Report of Analysis

|                    |                        |                 |                      |
|--------------------|------------------------|-----------------|----------------------|
| Client:            |                        | Date Collected: | 8/2/2024 12:00:00 AM |
| Project:           |                        | Date Received:  | 8/2/2024 12:00:00 AM |
| Client Sample ID:  | MLS-15-513-528         | SDG No.:        | BN080624             |
| Lab Sample ID:     | P3469-01               | Matrix:         | Water                |
| Analytical Method: | 8270-Modified          | % Moisture:     | 100                  |
| Sample Wt/Vol:     | 1000      Units:    mL | Final Vol:      | 1000      uL         |
| Soil Aliquot Vol:  | uL                     | Test:           |                      |
| Extraction Type :  | Decanted :             | Level :         | LOW                  |
| Injection Volume : | GPC Factor :           | GPC Cleanup :   | PH :                 |

|                   |           |                      |                      |               |
|-------------------|-----------|----------------------|----------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date            | Date Analyzed        | Prep Batch ID |
| BN033280.D        | 1         | 8/5/2024 12:00:00 AM | 8/6/2024 12:00:00 AM | PB162490      |

| CAS Number                | Parameter               | Conc. | Qualifier | MDL    | LOD | LOQ / CRQL | Units     |
|---------------------------|-------------------------|-------|-----------|--------|-----|------------|-----------|
| <b>SURROGATES</b>         |                         |       |           |        |     |            |           |
| 7297-45-2                 | 2-Methylnaphthalene-d10 | 0.338 |           | 30-150 |     | 84         | SPK: -0.4 |
| 93951-69-0                | Fluoranthene-d10        | 0.462 |           | 30-150 |     | 115        | SPK: -0.4 |
| 367-12-4                  | 2-Fluorophenol          | 0.135 |           | 10-92  |     | 34         | SPK: -0.4 |
| 13127-88-3                | Phenol-d6               | 0.058 |           | 10-100 |     | 14         | SPK: -0.4 |
| 4165-60-0                 | Nitrobenzene-d5         | 0.334 |           | 11-175 |     | 83         | SPK: -0.4 |
| 321-60-8                  | 2-Fluorobiphenyl        | 0.322 |           | 10-175 |     | 81         | SPK: -0.4 |
| 118-79-6                  | 2,4,6-Tribromophenol    | 0.442 |           | 24-148 |     | 111        | SPK: -0.4 |
| 1718-51-0                 | Terphenyl-d14           | 0.528 |           | 54-171 |     | 132        | SPK: -0.4 |
| <b>INTERNAL STANDARDS</b> |                         |       |           |        |     |            |           |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4  | 915   | 7.568     |        |     |            |           |
| 1146-65-2                 | Naphthalene-d8          | 3252  | 10.265    |        |     |            |           |
| 15067-26-2                | Acenaphthene-d10        | 2153  | 14.126    |        |     |            |           |
| 1517-22-2                 | Phenanthrene-d10        | 5462  | 16.908    |        |     |            |           |
| 1719-03-5                 | Chrysene-d12            | 6159  | 21.124    |        |     |            |           |
| 1520-96-3                 | Perylene-d12            | 7078  | 23.291    |        |     |            |           |

## Report of Analysis

|                    |                |                 |                      |
|--------------------|----------------|-----------------|----------------------|
| Client:            |                | Date Collected: | 8/2/2024 12:00:00 AM |
| Project:           |                | Date Received:  | 8/2/2024 12:00:00 AM |
| Client Sample ID:  | MLS-15-625-640 | SDG No.:        | BN080624             |
| Lab Sample ID:     | P3469-02       | Matrix:         | Water                |
| Analytical Method: | 8270-Modified  | % Moisture:     | 100                  |
| Sample Wt/Vol:     | 1000 Units: mL | Final Vol:      | 1000 uL              |
| Soil Aliquot Vol:  | uL             | Test:           |                      |
| Extraction Type :  | Decanted :     | Level :         | LOW                  |
| Injection Volume : | GPC Factor :   | GPC Cleanup :   | PH :                 |

|                   |           |                      |                      |               |
|-------------------|-----------|----------------------|----------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date            | Date Analyzed        | Prep Batch ID |
| BN033281.D        | 1         | 8/5/2024 12:00:00 AM | 8/6/2024 12:00:00 AM | PB162490      |

| CAS Number     | Parameter                  | Conc. | Qualifier | MDL  | LOD | LOQ / CRQL | Units |
|----------------|----------------------------|-------|-----------|------|-----|------------|-------|
| <b>TARGETS</b> |                            |       |           |      |     |            |       |
| 62-75-9        | n-Nitrosodimethylamine     | 0.03  | U         | 0.03 | 0.2 | 0.2        | ug/L  |
| 111-44-4       | bis(2-Chloroethyl)ether    | 0.03  | U         | 0.03 | 0.1 | 0.1        | ug/L  |
| 91-20-3        | Naphthalene                | 0.02  | U         | 0.02 | 0.1 | 0.1        | ug/L  |
| 87-68-3        | Hexachlorobutadiene        | 0.03  | U         | 0.03 | 0.1 | 0.1        | ug/L  |
| 91-57-6        | 2-Methylnaphthalene        | 0.03  | U         | 0.03 | 0.1 | 0.1        | ug/L  |
| 208-96-8       | Acenaphthylene             | 0.02  | U         | 0.02 | 0.1 | 0.1        | ug/L  |
| 83-32-9        | Acenaphthene               | 0.02  | U         | 0.02 | 0.1 | 0.1        | ug/L  |
| Total PAH      | Total PAH                  | 0.45  | U         | 0.45 | 0.1 | 1.6        | ug/L  |
| 86-73-7        | Fluorene                   | 0.02  | U         | 0.02 | 0.1 | 0.1        | ug/L  |
| 534-52-1       | 4,6-Dinitro-2-methylphenol | 0.14  | U         | 0.14 | 0.2 | 0.2        | ug/L  |
| 101-55-3       | 4-Bromophenyl-phenylether  | 0.03  | U         | 0.03 | 0.1 | 0.1        | ug/L  |
| 118-74-1       | Hexachlorobenzene          | 0.03  | U         | 0.03 | 0.1 | 0.1        | ug/L  |
| 1912-24-9      | Atrazine                   | 0.02  | U         | 0.02 | 0.1 | 0.1        | ug/L  |
| 87-86-5        | Pentachlorophenol          | 0.09  | U         | 0.09 | 0.2 | 0.2        | ug/L  |
| 85-01-8        | Phenanthrene               | 0.02  | U         | 0.02 | 0.1 | 0.1        | ug/L  |
| 120-12-7       | Anthracene                 | 0.02  | U         | 0.02 | 0.1 | 0.1        | ug/L  |
| 206-44-0       | Fluoranthene               | 0.02  | U         | 0.02 | 0.1 | 0.1        | ug/L  |
| 129-00-0       | Pyrene                     | 0.02  | U         | 0.02 | 0.1 | 0.1        | ug/L  |
| 56-55-3        | Benzo(a)anthracene         | 0.02  | U         | 0.02 | 0.1 | 0.1        | ug/L  |
| 218-01-9       | Chrysene                   | 0.03  | U         | 0.03 | 0.1 | 0.1        | ug/L  |
| 117-81-7       | Bis(2-ethylhexyl)phthalate | 0.14  | U         | 0.14 | 0.2 | 0.2        | ug/L  |
| 205-99-2       | Benzo(b)fluoranthene       | 0.03  | U         | 0.03 | 0.1 | 0.1        | ug/L  |
| 207-08-9       | Benzo(k)fluoranthene       | 0.03  | U         | 0.03 | 0.1 | 0.1        | ug/L  |
| 50-32-8        | Benzo(a)pyrene             | 0.06  | U         | 0.06 | 0.1 | 0.1        | ug/L  |
| 193-39-5       | Indeno(1,2,3-cd)pyrene     | 0.04  | U         | 0.04 | 0.1 | 0.1        | ug/L  |
| 53-70-3        | Dibenzo(a,h)anthracene     | 0.04  | U         | 0.04 | 0.1 | 0.1        | ug/L  |
| 191-24-2       | Benzo(g,h,i)perylene       | 0.04  | U         | 0.04 | 0.1 | 0.1        | ug/L  |
| 123-91-1       | 1,4-Dioxane                | 0.07  | U         | 0.07 | 0.2 | 0.2        | ug/L  |

## Report of Analysis

|                    |                        |                 |                      |
|--------------------|------------------------|-----------------|----------------------|
| Client:            |                        | Date Collected: | 8/2/2024 12:00:00 AM |
| Project:           |                        | Date Received:  | 8/2/2024 12:00:00 AM |
| Client Sample ID:  | MLS-15-625-640         | SDG No.:        | BN080624             |
| Lab Sample ID:     | P3469-02               | Matrix:         | Water                |
| Analytical Method: | 8270-Modified          | % Moisture:     | 100                  |
| Sample Wt/Vol:     | 1000      Units:    mL | Final Vol:      | 1000      uL         |
| Soil Aliquot Vol:  | uL                     | Test:           |                      |
| Extraction Type :  | Decanted :             | Level :         | LOW                  |
| Injection Volume : | GPC Factor :           | GPC Cleanup :   | PH :                 |

|                   |           |                      |                      |               |
|-------------------|-----------|----------------------|----------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date            | Date Analyzed        | Prep Batch ID |
| BN033281.D        | 1         | 8/5/2024 12:00:00 AM | 8/6/2024 12:00:00 AM | PB162490      |

| CAS Number                | Parameter               | Conc. | Qualifier | MDL    | LOD | LOQ / CRQL | Units     |
|---------------------------|-------------------------|-------|-----------|--------|-----|------------|-----------|
| <b>SURROGATES</b>         |                         |       |           |        |     |            |           |
| 7297-45-2                 | 2-Methylnaphthalene-d10 | 0.329 |           | 30-150 |     | 82         | SPK: -0.4 |
| 93951-69-0                | Fluoranthene-d10        | 0.482 |           | 30-150 |     | 120        | SPK: -0.4 |
| 367-12-4                  | 2-Fluorophenol          | 0.137 |           | 10-92  |     | 34         | SPK: -0.4 |
| 13127-88-3                | Phenol-d6               | 0.048 |           | 10-100 |     | 12         | SPK: -0.4 |
| 4165-60-0                 | Nitrobenzene-d5         | 0.343 |           | 11-175 |     | 86         | SPK: -0.4 |
| 321-60-8                  | 2-Fluorobiphenyl        | 0.319 |           | 10-175 |     | 80         | SPK: -0.4 |
| 118-79-6                  | 2,4,6-Tribromophenol    | 0.488 |           | 24-148 |     | 122        | SPK: -0.4 |
| 1718-51-0                 | Terphenyl-d14           | 0.538 |           | 54-171 |     | 134        | SPK: -0.4 |
| <b>INTERNAL STANDARDS</b> |                         |       |           |        |     |            |           |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4  | 880   | 7.546     |        |     |            |           |
| 1146-65-2                 | Naphthalene-d8          | 3133  | 10.298    |        |     |            |           |
| 15067-26-2                | Acenaphthene-d10        | 2110  | 14.126    |        |     |            |           |
| 1517-22-2                 | Phenanthrene-d10        | 5456  | 16.908    |        |     |            |           |
| 1719-03-5                 | Chrysene-d12            | 6187  | 21.125    |        |     |            |           |
| 1520-96-3                 | Perylene-d12            | 7180  | 23.291    |        |     |            |           |

## Report of Analysis

|                    |                |                 |                      |
|--------------------|----------------|-----------------|----------------------|
| Client:            |                | Date Collected: | 8/6/2024 12:00:00 AM |
| Project:           |                | Date Received:  | 8/6/2024 12:00:00 AM |
| Client Sample ID:  | PB162519BL     | SDG No.:        | BN080624             |
| Lab Sample ID:     | PB162519BL     | Matrix:         | Solid                |
| Analytical Method: | 8270-Modified  | % Moisture:     | 0                    |
| Sample Wt/Vol:     | 30.03 Units: g | Final Vol:      | 1000 uL              |
| Soil Aliquot Vol:  | uL             | Test:           |                      |
| Extraction Type :  | Decanted :     | Level :         | LOW                  |
| Injection Volume : | GPC Factor :   | GPC Cleanup :   | PH :                 |

|                   |           |                      |                      |               |
|-------------------|-----------|----------------------|----------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date            | Date Analyzed        | Prep Batch ID |
| BN033282.D        | 1         | 8/6/2024 12:00:00 AM | 8/6/2024 12:00:00 AM | PB162519      |

| CAS Number     | Parameter                  | Conc. | Qualifier | MDL   | LOD | LOQ / CRQL | Units |
|----------------|----------------------------|-------|-----------|-------|-----|------------|-------|
| <b>TARGETS</b> |                            |       |           |       |     |            |       |
| 62-75-9        | n-Nitrosodimethylamine     | 1.3   | U         | 1.3   | 6.6 | 6.6        | ug/Kg |
| 111-44-4       | bis(2-Chloroethyl)ether    | 0.85  | U         | 0.85  | 3.3 | 3.3        | ug/Kg |
| 91-20-3        | Naphthalene                | 0.69  | U         | 0.69  | 3.3 | 3.3        | ug/Kg |
| 87-68-3        | Hexachlorobutadiene        | 0.69  | U         | 0.69  | 3.3 | 3.3        | ug/Kg |
| 91-57-6        | 2-Methylnaphthalene        | 0.8   | U         | 0.8   | 3.3 | 3.3        | ug/Kg |
| 208-96-8       | Acenaphthylene             | 0.63  | U         | 0.63  | 3.3 | 3.3        | ug/Kg |
| 83-32-9        | Acenaphthene               | 0.55  | U         | 0.55  | 3.3 | 3.3        | ug/Kg |
| Total PAH      | Total PAH                  | 14.61 | U         | 14.61 | 3.3 | 52.8       | ug/Kg |
| 86-73-7        | Fluorene                   | 0.6   | U         | 0.6   | 3.3 | 3.3        | ug/Kg |
| 534-52-1       | 4,6-Dinitro-2-methylphenol | 4.2   | U         | 4.2   | 6.6 | 6.6        | ug/Kg |
| 101-55-3       | 4-Bromophenyl-phenylether  | 0.79  | U         | 0.79  | 3.3 | 3.3        | ug/Kg |
| 118-74-1       | Hexachlorobenzene          | 0.85  | U         | 0.85  | 3.3 | 3.3        | ug/Kg |
| 1912-24-9      | Atrazine                   | 0.76  | U         | 0.76  | 3.3 | 3.3        | ug/Kg |
| 87-86-5        | Pentachlorophenol          | 2.8   | U         | 2.8   | 6.6 | 6.6        | ug/Kg |
| 85-01-8        | Phenanthrene               | 0.63  | U         | 0.63  | 3.3 | 3.3        | ug/Kg |
| 120-12-7       | Anthracene                 | 0.79  | U         | 0.79  | 3.3 | 3.3        | ug/Kg |
| 206-44-0       | Fluoranthene               | 0.67  | U         | 0.67  | 3.3 | 3.3        | ug/Kg |
| 129-00-0       | Pyrene                     | 0.95  | U         | 0.95  | 3.3 | 3.3        | ug/Kg |
| 56-55-3        | Benzo(a)anthracene         | 0.76  | U         | 0.76  | 3.3 | 3.3        | ug/Kg |
| 218-01-9       | Chrysene                   | 0.86  | U         | 0.86  | 3.3 | 3.3        | ug/Kg |
| 117-81-7       | Bis(2-ethylhexyl)phthalate | 1.5   | U         | 1.5   | 6.6 | 6.6        | ug/Kg |
| 205-99-2       | Benzo(b)fluoranthene       | 1.2   | U         | 1.2   | 3.3 | 3.3        | ug/Kg |
| 207-08-9       | Benzo(k)fluoranthene       | 0.98  | U         | 0.98  | 3.3 | 3.3        | ug/Kg |
| 50-32-8        | Benzo(a)pyrene             | 1.7   | U         | 1.7   | 3.3 | 3.3        | ug/Kg |
| 193-39-5       | Indeno(1,2,3-cd)pyrene     | 1.3   | U         | 1.3   | 3.3 | 3.3        | ug/Kg |
| 53-70-3        | Dibenzo(a,h)anthracene     | 1.2   | U         | 1.2   | 3.3 | 3.3        | ug/Kg |
| 191-24-2       | Benzo(g,h,i)perylene       | 1.1   | U         | 1.1   | 3.3 | 3.3        | ug/Kg |
| 123-91-1       | 1,4-Dioxane                | 2.2   | U         | 2.2   | 6.6 | 6.6        | ug/Kg |

## Report of Analysis

|                    |                     |                 |                      |
|--------------------|---------------------|-----------------|----------------------|
| Client:            |                     | Date Collected: | 8/6/2024 12:00:00 AM |
| Project:           |                     | Date Received:  | 8/6/2024 12:00:00 AM |
| Client Sample ID:  | PB162519BL          | SDG No.:        | BN080624             |
| Lab Sample ID:     | PB162519BL          | Matrix:         | Solid                |
| Analytical Method: | 8270-Modified       | % Moisture:     | 0                    |
| Sample Wt/Vol:     | 30.03      Units: g | Final Vol:      | 1000      uL         |
| Soil Aliquot Vol:  | uL                  | Test:           |                      |
| Extraction Type :  | Decanted :          | Level :         | LOW                  |
| Injection Volume : | GPC Factor :        | GPC Cleanup :   | PH :                 |

|                   |           |                      |                      |               |
|-------------------|-----------|----------------------|----------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date            | Date Analyzed        | Prep Batch ID |
| BN033282.D        | 1         | 8/6/2024 12:00:00 AM | 8/6/2024 12:00:00 AM | PB162519      |

| CAS Number                | Parameter               | Conc. | Qualifier | MDL    | LOD | LOQ / CRQL | Units     |
|---------------------------|-------------------------|-------|-----------|--------|-----|------------|-----------|
| <b>SURROGATES</b>         |                         |       |           |        |     |            |           |
| 7297-45-2                 | 2-Methylnaphthalene-d10 | 0.33  |           | 21-128 |     | 83         | SPK: -0.4 |
| 93951-69-0                | Fluoranthene-d10        | 0.362 |           | 13-127 |     | 90         | SPK: -0.4 |
| 367-12-4                  | 2-Fluorophenol          | 0.516 | *         | 28-122 |     | 129        | SPK: -0.4 |
| 13127-88-3                | Phenol-d6               | 0.408 |           | 12-126 |     | 102        | SPK: -0.4 |
| 4165-60-0                 | Nitrobenzene-d5         | 0.366 |           | 14-112 |     | 91         | SPK: -0.4 |
| 321-60-8                  | 2-Fluorobiphenyl        | 0.363 |           | 22-114 |     | 91         | SPK: -0.4 |
| 118-79-6                  | 2,4,6-Tribromophenol    | 0.182 |           | 10-137 |     | 45         | SPK: -0.4 |
| 1718-51-0                 | Terphenyl-d14           | 0.431 |           | 21-130 |     | 108        | SPK: -0.4 |
| <b>INTERNAL STANDARDS</b> |                         |       |           |        |     |            |           |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4  | 772   | 7.64      |        |     |            |           |
| 1146-65-2                 | Naphthalene-d8          | 3109  | 10.511    |        |     |            |           |
| 15067-26-2                | Acenaphthene-d10        | 2094  | 14.208    |        |     |            |           |
| 1517-22-2                 | Phenanthrene-d10        | 5276  | 17.001    |        |     |            |           |
| 1719-03-5                 | Chrysene-d12            | 5590  | 21.158    |        |     |            |           |
| 1520-96-3                 | Perylene-d12            | 6221  | 23.318    |        |     |            |           |

## Report of Analysis

|                    |                |                 |                      |
|--------------------|----------------|-----------------|----------------------|
| Client:            |                | Date Collected: | 8/6/2024 12:00:00 AM |
| Project:           |                | Date Received:  | 8/6/2024 12:00:00 AM |
| Client Sample ID:  | PB162519BS     | SDG No.:        | BN080624             |
| Lab Sample ID:     | PB162519BS     | Matrix:         | Solid                |
| Analytical Method: | 8270-Modified  | % Moisture:     | 0                    |
| Sample Wt/Vol:     | 30.01 Units: g | Final Vol:      | 1000 uL              |
| Soil Aliquot Vol:  | uL             | Test:           |                      |
| Extraction Type :  | Decanted :     | Level :         | LOW                  |
| Injection Volume : | GPC Factor :   | GPC Cleanup :   | PH :                 |

|                   |           |                      |                      |               |
|-------------------|-----------|----------------------|----------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date            | Date Analyzed        | Prep Batch ID |
| BN033283.D        | 1         | 8/6/2024 12:00:00 AM | 8/6/2024 12:00:00 AM | PB162519      |

| CAS Number     | Parameter                  | Conc. | Qualifier | MDL   | LOD | LOQ / CRQL | Units |
|----------------|----------------------------|-------|-----------|-------|-----|------------|-------|
| <b>TARGETS</b> |                            |       |           |       |     |            |       |
| 62-75-9        | n-Nitrosodimethylamine     | 14.3  |           | 1.3   | 6.6 | 6.6        | ug/Kg |
| 111-44-4       | bis(2-Chloroethyl)ether    | 31    |           | 0.85  | 3.3 | 3.3        | ug/Kg |
| 91-20-3        | Naphthalene                | 14.1  |           | 0.69  | 3.3 | 3.3        | ug/Kg |
| 87-68-3        | Hexachlorobutadiene        | 15.2  |           | 0.69  | 3.3 | 3.3        | ug/Kg |
| 91-57-6        | 2-Methylnaphthalene        | 12.1  |           | 0.8   | 3.3 | 3.3        | ug/Kg |
| 208-96-8       | Acenaphthylene             | 13.2  |           | 0.63  | 3.3 | 3.3        | ug/Kg |
| 83-32-9        | Acenaphthene               | 13.6  |           | 0.55  | 3.3 | 3.3        | ug/Kg |
| Total PAH      | Total PAH                  | 204.1 |           | 14.61 | 3.3 | 52.8       | ug/Kg |
| 86-73-7        | Fluorene                   | 13.6  |           | 0.6   | 3.3 | 3.3        | ug/Kg |
| 534-52-1       | 4,6-Dinitro-2-methylphenol | 14.2  |           | 4.2   | 6.6 | 6.6        | ug/Kg |
| 101-55-3       | 4-Bromophenyl-phenylether  | 13.4  |           | 0.79  | 3.3 | 3.3        | ug/Kg |
| 118-74-1       | Hexachlorobenzene          | 14.1  |           | 0.85  | 3.3 | 3.3        | ug/Kg |
| 1912-24-9      | Atrazine                   | 12.1  |           | 0.76  | 3.3 | 3.3        | ug/Kg |
| 87-86-5        | Pentachlorophenol          | 11.9  |           | 2.8   | 6.6 | 6.6        | ug/Kg |
| 85-01-8        | Phenanthrene               | 12.8  |           | 0.63  | 3.3 | 3.3        | ug/Kg |
| 120-12-7       | Anthracene                 | 11.8  |           | 0.79  | 3.3 | 3.3        | ug/Kg |
| 206-44-0       | Fluoranthene               | 12.3  |           | 0.67  | 3.3 | 3.3        | ug/Kg |
| 129-00-0       | Pyrene                     | 13.1  |           | 0.95  | 3.3 | 3.3        | ug/Kg |
| 56-55-3        | Benzo(a)anthracene         | 11.7  |           | 0.76  | 3.3 | 3.3        | ug/Kg |
| 218-01-9       | Chrysene                   | 13.4  |           | 0.86  | 3.3 | 3.3        | ug/Kg |
| 117-81-7       | Bis(2-ethylhexyl)phthalate | 10.6  |           | 1.5   | 6.6 | 6.6        | ug/Kg |
| 205-99-2       | Benzo(b)fluoranthene       | 11.8  |           | 1.2   | 3.3 | 3.3        | ug/Kg |
| 207-08-9       | Benzo(k)fluoranthene       | 14.1  |           | 0.98  | 3.3 | 3.3        | ug/Kg |
| 50-32-8        | Benzo(a)pyrene             | 12.6  |           | 1.7   | 3.3 | 3.3        | ug/Kg |
| 193-39-5       | Indeno(1,2,3-cd)pyrene     | 11.9  |           | 1.3   | 3.3 | 3.3        | ug/Kg |
| 53-70-3        | Dibenzo(a,h)anthracene     | 11.9  |           | 1.2   | 3.3 | 3.3        | ug/Kg |
| 191-24-2       | Benzo(g,h,i)perylene       | 12.2  |           | 1.1   | 3.3 | 3.3        | ug/Kg |
| 123-91-1       | 1,4-Dioxane                | 10    |           | 2.2   | 6.6 | 6.6        | ug/Kg |

## Report of Analysis

|                    |                     |                 |                      |
|--------------------|---------------------|-----------------|----------------------|
| Client:            |                     | Date Collected: | 8/6/2024 12:00:00 AM |
| Project:           |                     | Date Received:  | 8/6/2024 12:00:00 AM |
| Client Sample ID:  | PB162519BS          | SDG No.:        | BN080624             |
| Lab Sample ID:     | PB162519BS          | Matrix:         | Solid                |
| Analytical Method: | 8270-Modified       | % Moisture:     | 0                    |
| Sample Wt/Vol:     | 30.01      Units: g | Final Vol:      | 1000      uL         |
| Soil Aliquot Vol:  | uL                  | Test:           |                      |
| Extraction Type :  | Decanted :          | Level :         | LOW                  |
| Injection Volume : | GPC Factor :        | GPC Cleanup :   | PH :                 |

|                   |           |                      |                      |               |
|-------------------|-----------|----------------------|----------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date            | Date Analyzed        | Prep Batch ID |
| BN033283.D        | 1         | 8/6/2024 12:00:00 AM | 8/6/2024 12:00:00 AM | PB162519      |

| CAS Number                | Parameter               | Conc. | Qualifier | MDL    | LOD | LOQ / CRQL | Units     |
|---------------------------|-------------------------|-------|-----------|--------|-----|------------|-----------|
| <b>SURROGATES</b>         |                         |       |           |        |     |            |           |
| 7297-45-2                 | 2-Methylnaphthalene-d10 | 0.459 |           | 21-128 |     | 115        | SPK: -0.4 |
| 93951-69-0                | Fluoranthene-d10        | 0.383 |           | 13-127 |     | 96         | SPK: -0.4 |
| 367-12-4                  | 2-Fluorophenol          | 0.486 |           | 28-122 |     | 122        | SPK: -0.4 |
| 13127-88-3                | Phenol-d6               | 0.481 |           | 12-126 |     | 120        | SPK: -0.4 |
| 4165-60-0                 | Nitrobenzene-d5         | 0.38  |           | 14-112 |     | 95         | SPK: -0.4 |
| 321-60-8                  | 2-Fluorobiphenyl        | 0.395 |           | 22-114 |     | 99         | SPK: -0.4 |
| 118-79-6                  | 2,4,6-Tribromophenol    | 0.425 |           | 10-137 |     | 106        | SPK: -0.4 |
| 1718-51-0                 | Terphenyl-d14           | 0.408 |           | 21-130 |     | 102        | SPK: -0.4 |
| <b>INTERNAL STANDARDS</b> |                         |       |           |        |     |            |           |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4  | 864   | 7.51      |        |     |            |           |
| 1146-65-2                 | Naphthalene-d8          | 3242  | 10.319    |        |     |            |           |
| 15067-26-2                | Acenaphthene-d10        | 2347  | 14.126    |        |     |            |           |
| 1517-22-2                 | Phenanthrene-d10        | 5473  | 16.92     |        |     |            |           |
| 1719-03-5                 | Chrysene-d12            | 5757  | 21.125    |        |     |            |           |
| 1520-96-3                 | Perylene-d12            | 6999  | 23.288    |        |     |            |           |

## Report of Analysis

|                    |                        |                 |                      |
|--------------------|------------------------|-----------------|----------------------|
| Client:            |                        | Date Collected: | 8/2/2024 12:00:00 AM |
| Project:           |                        | Date Received:  | 8/2/2024 12:00:00 AM |
| Client Sample ID:  | IDW-S1-01              | SDG No.:        | BN080624             |
| Lab Sample ID:     | P3468-01               | Matrix:         | Solid                |
| Analytical Method: | 8270-Modified          | % Moisture:     | 12.1                 |
| Sample Wt/Vol:     | 30.07      Units:    g | Final Vol:      | 1000              uL |
| Soil Aliquot Vol:  | uL                     | Test:           |                      |
| Extraction Type :  | Decanted :             | Level :         | LOW                  |
| Injection Volume : | GPC Factor :           | GPC Cleanup :   | PH :                 |

|                   |           |                      |                      |               |
|-------------------|-----------|----------------------|----------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date            | Date Analyzed        | Prep Batch ID |
| BN033284.D        | 1         | 8/6/2024 12:00:00 AM | 8/6/2024 12:00:00 AM | PB162519      |

| CAS Number     | Parameter                  | Conc. | Qualifier | MDL   | LOD | LOQ / CRQL | Units |
|----------------|----------------------------|-------|-----------|-------|-----|------------|-------|
| <b>TARGETS</b> |                            |       |           |       |     |            |       |
| 62-75-9        | n-Nitrosodimethylamine     | 1.5   | U         | 1.5   | 7.5 | 7.5        | ug/Kg |
| 111-44-4       | bis(2-Chloroethyl)ether    | 0.96  | U         | 0.96  | 3.7 | 3.7        | ug/Kg |
| 91-20-3        | Naphthalene                | 0.78  | U         | 0.78  | 3.7 | 3.7        | ug/Kg |
| 87-68-3        | Hexachlorobutadiene        | 0.78  | U         | 0.78  | 3.7 | 3.7        | ug/Kg |
| 91-57-6        | 2-Methylnaphthalene        | 0.91  | U         | 0.91  | 3.7 | 3.7        | ug/Kg |
| 208-96-8       | Acenaphthylene             | 0.72  | U         | 0.72  | 3.7 | 3.7        | ug/Kg |
| 83-32-9        | Acenaphthene               | 0.62  | U         | 0.62  | 3.7 | 3.7        | ug/Kg |
| Total PAH      | Total PAH                  | 16.52 | U         | 16.52 | 3.7 | 59.2       | ug/Kg |
| 86-73-7        | Fluorene                   | 0.68  | U         | 0.68  | 3.7 | 3.7        | ug/Kg |
| 534-52-1       | 4,6-Dinitro-2-methylphenol | 4.8   | U         | 4.8   | 7.5 | 7.5        | ug/Kg |
| 101-55-3       | 4-Bromophenyl-phenylether  | 0.9   | U         | 0.9   | 3.7 | 3.7        | ug/Kg |
| 118-74-1       | Hexachlorobenzene          | 0.96  | U         | 0.96  | 3.7 | 3.7        | ug/Kg |
| 1912-24-9      | Atrazine                   | 0.86  | U         | 0.86  | 3.7 | 3.7        | ug/Kg |
| 87-86-5        | Pentachlorophenol          | 3.2   | U         | 3.2   | 7.5 | 7.5        | ug/Kg |
| 85-01-8        | Phenanthrene               | 1.6   | J         | 0.72  | 3.7 | 3.7        | ug/Kg |
| 120-12-7       | Anthracene                 | 0.9   | U         | 0.9   | 3.7 | 3.7        | ug/Kg |
| 206-44-0       | Fluoranthene               | 2.9   | J         | 0.76  | 3.7 | 3.7        | ug/Kg |
| 129-00-0       | Pyrene                     | 2.5   | J         | 1.1   | 3.7 | 3.7        | ug/Kg |
| 56-55-3        | Benzo(a)anthracene         | 1.5   | J         | 0.86  | 3.7 | 3.7        | ug/Kg |
| 218-01-9       | Chrysene                   | 1.4   | J         | 0.98  | 3.7 | 3.7        | ug/Kg |
| 117-81-7       | Bis(2-ethylhexyl)phthalate | 1.7   | U         | 1.7   | 7.5 | 7.5        | ug/Kg |
| 205-99-2       | Benzo(b)fluoranthene       | 2     | J         | 1.4   | 3.7 | 3.7        | ug/Kg |
| 207-08-9       | Benzo(k)fluoranthene       | 1.1   | U         | 1.1   | 3.7 | 3.7        | ug/Kg |
| 50-32-8        | Benzo(a)pyrene             | 1.9   | U         | 1.9   | 3.7 | 3.7        | ug/Kg |
| 193-39-5       | Indeno(1,2,3-cd)pyrene     | 1.4   | U         | 1.4   | 3.7 | 3.7        | ug/Kg |
| 53-70-3        | Dibenzo(a,h)anthracene     | 1.3   | U         | 1.3   | 3.7 | 3.7        | ug/Kg |
| 191-24-2       | Benzo(g,h,i)perylene       | 1.3   | U         | 1.3   | 3.7 | 3.7        | ug/Kg |
| 123-91-1       | 1,4-Dioxane                | 2.5   | U         | 2.5   | 7.5 | 7.5        | ug/Kg |

## Report of Analysis

|                    |               |                 |                      |
|--------------------|---------------|-----------------|----------------------|
| Client:            |               | Date Collected: | 8/2/2024 12:00:00 AM |
| Project:           |               | Date Received:  | 8/2/2024 12:00:00 AM |
| Client Sample ID:  | IDW-S1-01     | SDG No.:        | BN080624             |
| Lab Sample ID:     | P3468-01      | Matrix:         | Solid                |
| Analytical Method: | 8270-Modified | % Moisture:     | 12.1                 |
| Sample Wt/Vol:     | 30.07         | Units:          | g                    |
| Soil Aliquot Vol:  |               | Final Vol:      | 1000 uL              |
| Extraction Type :  |               | Test:           |                      |
|                    | Decanted :    | Level :         | LOW                  |
| Injection Volume : |               | GPC Factor :    |                      |
|                    |               | GPC Cleanup :   | PH :                 |

|                   |           |                      |                      |               |
|-------------------|-----------|----------------------|----------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date            | Date Analyzed        | Prep Batch ID |
| BN033284.D        | 1         | 8/6/2024 12:00:00 AM | 8/6/2024 12:00:00 AM | PB162519      |

| CAS Number                | Parameter               | Conc. | Qualifier | MDL    | LOD | LOQ / CRQL | Units     |
|---------------------------|-------------------------|-------|-----------|--------|-----|------------|-----------|
| <b>SURROGATES</b>         |                         |       |           |        |     |            |           |
| 7297-45-2                 | 2-Methylnaphthalene-d10 | 0.25  |           | 21-128 |     | 63         | SPK: -0.4 |
| 93951-69-0                | Fluoranthene-d10        | 0.245 |           | 13-127 |     | 61         | SPK: -0.4 |
| 367-12-4                  | 2-Fluorophenol          | 0.322 |           | 28-122 |     | 81         | SPK: -0.4 |
| 13127-88-3                | Phenol-d6               | 0.32  |           | 12-126 |     | 80         | SPK: -0.4 |
| 4165-60-0                 | Nitrobenzene-d5         | 0.267 |           | 14-112 |     | 67         | SPK: -0.4 |
| 321-60-8                  | 2-Fluorobiphenyl        | 0.251 |           | 22-114 |     | 63         | SPK: -0.4 |
| 118-79-6                  | 2,4,6-Tribromophenol    | 0.33  |           | 10-137 |     | 83         | SPK: -0.4 |
| 1718-51-0                 | Terphenyl-d14           | 0.241 |           | 21-130 |     | 60         | SPK: -0.4 |
| <b>INTERNAL STANDARDS</b> |                         |       |           |        |     |            |           |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4  | 890   | 7.64      |        |     |            |           |
| 1146-65-2                 | Naphthalene-d8          | 2976  | 10.361    |        |     |            |           |
| 15067-26-2                | Acenaphthene-d10        | 2025  | 14.147    |        |     |            |           |
| 1517-22-2                 | Phenanthrene-d10        | 4883  | 16.932    |        |     |            |           |
| 1719-03-5                 | Chrysene-d12            | 5817  | 21.125    |        |     |            |           |
| 1520-96-3                 | Perylene-d12            | 7297  | 23.285    |        |     |            |           |

## Report of Analysis

|                    |                |                 |                      |
|--------------------|----------------|-----------------|----------------------|
| Client:            |                | Date Collected: | 8/2/2024 12:00:00 AM |
| Project:           |                | Date Received:  | 8/2/2024 12:00:00 AM |
| Client Sample ID:  | IDW-S1-01MS    | SDG No.:        | BN080624             |
| Lab Sample ID:     | P3468-01MS     | Matrix:         | Solid                |
| Analytical Method: | 8270-Modified  | % Moisture:     | 12.1                 |
| Sample Wt/Vol:     | 30.06 Units: g | Final Vol:      | 1000 uL              |
| Soil Aliquot Vol:  | uL             | Test:           |                      |
| Extraction Type :  | Decanted :     | Level :         | LOW                  |
| Injection Volume : | GPC Factor :   | GPC Cleanup :   | PH :                 |

|                   |           |                      |                      |               |
|-------------------|-----------|----------------------|----------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date            | Date Analyzed        | Prep Batch ID |
| BN033285.D        | 1         | 8/6/2024 12:00:00 AM | 8/6/2024 12:00:00 AM | PB162519      |

| CAS Number     | Parameter                  | Conc. | Qualifier | MDL   | LOD | LOQ / CRQL | Units |
|----------------|----------------------------|-------|-----------|-------|-----|------------|-------|
| <b>TARGETS</b> |                            |       |           |       |     |            |       |
| 62-75-9        | n-Nitrosodimethylamine     | 27.6  |           | 1.5   | 7.5 | 7.5        | ug/Kg |
| 111-44-4       | bis(2-Chloroethyl)ether    | 29.3  |           | 0.97  | 3.7 | 3.7        | ug/Kg |
| 91-20-3        | Naphthalene                | 13.1  |           | 0.78  | 3.7 | 3.7        | ug/Kg |
| 87-68-3        | Hexachlorobutadiene        | 13    |           | 0.78  | 3.7 | 3.7        | ug/Kg |
| 91-57-6        | 2-Methylnaphthalene        | 13.2  |           | 0.91  | 3.7 | 3.7        | ug/Kg |
| 208-96-8       | Acenaphthylene             | 14.1  |           | 0.72  | 3.7 | 3.7        | ug/Kg |
| 83-32-9        | Acenaphthene               | 14    |           | 0.62  | 3.7 | 3.7        | ug/Kg |
| Total PAH      | Total PAH                  | 223.4 |           | 16.52 | 3.7 | 59.2       | ug/Kg |
| 86-73-7        | Fluorene                   | 13.6  |           | 0.68  | 3.7 | 3.7        | ug/Kg |
| 534-52-1       | 4,6-Dinitro-2-methylphenol | 15.9  |           | 4.8   | 7.5 | 7.5        | ug/Kg |
| 101-55-3       | 4-Bromophenyl-phenylether  | 13.7  |           | 0.9   | 3.7 | 3.7        | ug/Kg |
| 118-74-1       | Hexachlorobenzene          | 13.2  |           | 0.97  | 3.7 | 3.7        | ug/Kg |
| 1912-24-9      | Atrazine                   | 13.5  |           | 0.86  | 3.7 | 3.7        | ug/Kg |
| 87-86-5        | Pentachlorophenol          | 3.2   | U         | 3.2   | 7.5 | 7.5        | ug/Kg |
| 85-01-8        | Phenanthrene               | 14.6  |           | 0.72  | 3.7 | 3.7        | ug/Kg |
| 120-12-7       | Anthracene                 | 13.8  |           | 0.9   | 3.7 | 3.7        | ug/Kg |
| 206-44-0       | Fluoranthene               | 15.4  |           | 0.76  | 3.7 | 3.7        | ug/Kg |
| 129-00-0       | Pyrene                     | 15.6  |           | 1.1   | 3.7 | 3.7        | ug/Kg |
| 56-55-3        | Benzo(a)anthracene         | 15.5  |           | 0.86  | 3.7 | 3.7        | ug/Kg |
| 218-01-9       | Chrysene                   | 14.6  |           | 0.98  | 3.7 | 3.7        | ug/Kg |
| 117-81-7       | Bis(2-ethylhexyl)phthalate | 8.1   |           | 1.7   | 7.5 | 7.5        | ug/Kg |
| 205-99-2       | Benzo(b)fluoranthene       | 14.9  |           | 1.4   | 3.7 | 3.7        | ug/Kg |
| 207-08-9       | Benzo(k)fluoranthene       | 13.6  |           | 1.1   | 3.7 | 3.7        | ug/Kg |
| 50-32-8        | Benzo(a)pyrene             | 14.7  |           | 1.9   | 3.7 | 3.7        | ug/Kg |
| 193-39-5       | Indeno(1,2,3-cd)pyrene     | 12.6  |           | 1.4   | 3.7 | 3.7        | ug/Kg |
| 53-70-3        | Dibenzo(a,h)anthracene     | 12.2  |           | 1.3   | 3.7 | 3.7        | ug/Kg |
| 191-24-2       | Benzo(g,h,i)perylene       | 11.1  |           | 1.3   | 3.7 | 3.7        | ug/Kg |
| 123-91-1       | 1,4-Dioxane                | 7     | J         | 2.5   | 7.5 | 7.5        | ug/Kg |

## Report of Analysis

|                    |                     |                 |                      |
|--------------------|---------------------|-----------------|----------------------|
| Client:            |                     | Date Collected: | 8/2/2024 12:00:00 AM |
| Project:           |                     | Date Received:  | 8/2/2024 12:00:00 AM |
| Client Sample ID:  | IDW-S1-01MS         | SDG No.:        | BN080624             |
| Lab Sample ID:     | P3468-01MS          | Matrix:         | Solid                |
| Analytical Method: | 8270-Modified       | % Moisture:     | 12.1                 |
| Sample Wt/Vol:     | 30.06      Units: g | Final Vol:      | 1000      uL         |
| Soil Aliquot Vol:  | uL                  | Test:           |                      |
| Extraction Type :  | Decanted :          | Level :         | LOW                  |
| Injection Volume : | GPC Factor :        | GPC Cleanup :   | PH :                 |

|                   |           |                      |                      |               |
|-------------------|-----------|----------------------|----------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date            | Date Analyzed        | Prep Batch ID |
| BN033285.D        | 1         | 8/6/2024 12:00:00 AM | 8/6/2024 12:00:00 AM | PB162519      |

| CAS Number                | Parameter               | Conc. | Qualifier | MDL    | LOD | LOQ / CRQL | Units     |
|---------------------------|-------------------------|-------|-----------|--------|-----|------------|-----------|
| <b>SURROGATES</b>         |                         |       |           |        |     |            |           |
| 7297-45-2                 | 2-Methylnaphthalene-d10 | 0.352 |           | 21-128 |     | 88         | SPK: -0.4 |
| 93951-69-0                | Fluoranthene-d10        | 0.219 |           | 13-127 |     | 55         | SPK: -0.4 |
| 367-12-4                  | 2-Fluorophenol          | 0.377 |           | 28-122 |     | 94         | SPK: -0.4 |
| 13127-88-3                | Phenol-d6               | 0.29  |           | 12-126 |     | 72         | SPK: -0.4 |
| 4165-60-0                 | Nitrobenzene-d5         | 0.249 |           | 14-112 |     | 62         | SPK: -0.4 |
| 321-60-8                  | 2-Fluorobiphenyl        | 0.25  |           | 22-114 |     | 63         | SPK: -0.4 |
| 118-79-6                  | 2,4,6-Tribromophenol    | 0.309 |           | 10-137 |     | 77         | SPK: -0.4 |
| 1718-51-0                 | Terphenyl-d14           | 0.23  |           | 21-130 |     | 57         | SPK: -0.4 |
| <b>INTERNAL STANDARDS</b> |                         |       |           |        |     |            |           |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4  | 1152  | 7.495     |        |     |            |           |
| 1146-65-2                 | Naphthalene-d8          | 3984  | 10.276    |        |     |            |           |
| 15067-26-2                | Acenaphthene-d10        | 2659  | 14.111    |        |     |            |           |
| 1517-22-2                 | Phenanthrene-d10        | 6308  | 16.902    |        |     |            |           |
| 1719-03-5                 | Chrysene-d12            | 7060  | 21.104    |        |     |            |           |
| 1520-96-3                 | Perylene-d12            | 8607  | 23.274    |        |     |            |           |



|                    |               |        |    |                 |                      |    |
|--------------------|---------------|--------|----|-----------------|----------------------|----|
| Client:            |               |        |    | Date Collected: | 8/2/2024 12:00:00 AM |    |
| Project:           |               |        |    | Date Received:  | 8/2/2024 12:00:00 AM |    |
| Client Sample ID:  | IDW-S1-01MSD  |        |    | SDG No.:        | BN080624             |    |
| Lab Sample ID:     | P3468-01MSD   |        |    | Matrix:         | Solid                |    |
| Analytical Method: | 8270-Modified |        |    | % Moisture:     | 12.1                 |    |
| Sample Wt/Vol:     | 30.04         | Units: | g  | Final Vol:      | 1000                 | uL |
| Soil Aliquot Vol:  |               |        | uL | Test:           |                      |    |
| Extraction Type :  | Decanted :    |        |    | Level :         | LOW                  |    |
| Injection Volume : | GPC Factor :  |        |    | GPC Cleanup :   | PH :                 |    |

| File ID/Qc Batch: | Dilution: | Prep Date            | Date Analyzed        | Prep Batch ID |
|-------------------|-----------|----------------------|----------------------|---------------|
| BN033286.D        | 1         | 8/6/2024 12:00:00 AM | 8/6/2024 12:00:00 AM | PB162519      |

| CAS Number     | Parameter                  | Conc. | Qualifier | MDL   | LOD | LOQ / CRQL | Units |
|----------------|----------------------------|-------|-----------|-------|-----|------------|-------|
| <b>TARGETS</b> |                            |       |           |       |     |            |       |
| 62-75-9        | n-Nitrosodimethylamine     | 19.6  |           | 1.5   | 7.5 | 7.5        | ug/Kg |
| 111-44-4       | bis(2-Chloroethyl)ether    | 30.4  |           | 0.97  | 3.7 | 3.7        | ug/Kg |
| 91-20-3        | Naphthalene                | 13.4  |           | 0.78  | 3.7 | 3.7        | ug/Kg |
| 87-68-3        | Hexachlorobutadiene        | 13.4  |           | 0.78  | 3.7 | 3.7        | ug/Kg |
| 91-57-6        | 2-Methylnaphthalene        | 14    |           | 0.91  | 3.7 | 3.7        | ug/Kg |
| 208-96-8       | Acenaphthylene             | 14.9  |           | 0.72  | 3.7 | 3.7        | ug/Kg |
| 83-32-9        | Acenaphthene               | 14.7  |           | 0.62  | 3.7 | 3.7        | ug/Kg |
| Total PAH      | Total PAH                  | 231.7 |           | 16.52 | 3.7 | 59.2       | ug/Kg |
| 86-73-7        | Fluorene                   | 14.2  |           | 0.68  | 3.7 | 3.7        | ug/Kg |
| 534-52-1       | 4,6-Dinitro-2-methylphenol | 15.9  |           | 4.8   | 7.5 | 7.5        | ug/Kg |
| 101-55-3       | 4-Bromophenyl-phenylether  | 13.7  |           | 0.9   | 3.7 | 3.7        | ug/Kg |
| 118-74-1       | Hexachlorobenzene          | 13.6  |           | 0.97  | 3.7 | 3.7        | ug/Kg |
| 1912-24-9      | Atrazine                   | 14    |           | 0.86  | 3.7 | 3.7        | ug/Kg |
| 87-86-5        | Pentachlorophenol          | 3.2   | J         | 3.2   | 7.5 | 7.5        | ug/Kg |
| 85-01-8        | Phenanthrene               | 15    |           | 0.72  | 3.7 | 3.7        | ug/Kg |
| 120-12-7       | Anthracene                 | 14.5  |           | 0.9   | 3.7 | 3.7        | ug/Kg |
| 206-44-0       | Fluoranthene               | 15.8  |           | 0.76  | 3.7 | 3.7        | ug/Kg |
| 129-00-0       | Pyrene                     | 16.5  |           | 1.1   | 3.7 | 3.7        | ug/Kg |
| 56-55-3        | Benzo(a)anthracene         | 16.2  |           | 0.86  | 3.7 | 3.7        | ug/Kg |
| 218-01-9       | Chrysene                   | 15.4  |           | 0.98  | 3.7 | 3.7        | ug/Kg |
| 117-81-7       | Bis(2-ethylhexyl)phthalate | 10.7  |           | 1.7   | 7.5 | 7.5        | ug/Kg |
| 205-99-2       | Benzo(b)fluoranthene       | 15.2  |           | 1.4   | 3.7 | 3.7        | ug/Kg |
| 207-08-9       | Benzo(k)fluoranthene       | 14.2  |           | 1.1   | 3.7 | 3.7        | ug/Kg |
| 50-32-8        | Benzo(a)pyrene             | 15.1  |           | 1.9   | 3.7 | 3.7        | ug/Kg |
| 193-39-5       | Indeno(1,2,3-cd)pyrene     | 13    |           | 1.4   | 3.7 | 3.7        | ug/Kg |
| 53-70-3        | Dibenzo(a,h)anthracene     | 12.4  |           | 1.3   | 3.7 | 3.7        | ug/Kg |
| 191-24-2       | Benzo(g,h,i)perylene       | 11.2  |           | 1.3   | 3.7 | 3.7        | ug/Kg |
| 123-91-1       | 1,4-Dioxane                | 6.6   | J         | 2.5   | 7.5 | 7.5        | ug/Kg |

## Report of Analysis

|                    |                     |                 |                      |
|--------------------|---------------------|-----------------|----------------------|
| Client:            |                     | Date Collected: | 8/2/2024 12:00:00 AM |
| Project:           |                     | Date Received:  | 8/2/2024 12:00:00 AM |
| Client Sample ID:  | IDW-S1-01MSD        | SDG No.:        | BN080624             |
| Lab Sample ID:     | P3468-01MSD         | Matrix:         | Solid                |
| Analytical Method: | 8270-Modified       | % Moisture:     | 12.1                 |
| Sample Wt/Vol:     | 30.04      Units: g | Final Vol:      | 1000      uL         |
| Soil Aliquot Vol:  | uL                  | Test:           |                      |
| Extraction Type :  | Decanted :          | Level :         | LOW                  |
| Injection Volume : | GPC Factor :        | GPC Cleanup :   | PH :                 |

|                   |           |                      |                      |               |
|-------------------|-----------|----------------------|----------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date            | Date Analyzed        | Prep Batch ID |
| BN033286.D        | 1         | 8/6/2024 12:00:00 AM | 8/6/2024 12:00:00 AM | PB162519      |

| CAS Number                | Parameter               | Conc. | Qualifier | MDL    | LOD | LOQ / CRQL | Units     |
|---------------------------|-------------------------|-------|-----------|--------|-----|------------|-----------|
| <b>SURROGATES</b>         |                         |       |           |        |     |            |           |
| 7297-45-2                 | 2-Methylnaphthalene-d10 | 0.366 |           | 21-128 |     | 91         | SPK: -0.4 |
| 93951-69-0                | Fluoranthene-d10        | 0.225 |           | 13-127 |     | 56         | SPK: -0.4 |
| 367-12-4                  | 2-Fluorophenol          | 0.368 |           | 28-122 |     | 92         | SPK: -0.4 |
| 13127-88-3                | Phenol-d6               | 0.341 |           | 12-126 |     | 85         | SPK: -0.4 |
| 4165-60-0                 | Nitrobenzene-d5         | 0.282 |           | 14-112 |     | 70         | SPK: -0.4 |
| 321-60-8                  | 2-Fluorobiphenyl        | 0.257 |           | 22-114 |     | 64         | SPK: -0.4 |
| 118-79-6                  | 2,4,6-Tribromophenol    | 0.332 |           | 10-137 |     | 83         | SPK: -0.4 |
| 1718-51-0                 | Terphenyl-d14           | 0.242 |           | 21-130 |     | 60         | SPK: -0.4 |
| <b>INTERNAL STANDARDS</b> |                         |       |           |        |     |            |           |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4  | 1109  | 7.51      |        |     |            |           |
| 1146-65-2                 | Naphthalene-d8          | 3980  | 10.265    |        |     |            |           |
| 15067-26-2                | Acenaphthene-d10        | 2634  | 14.111    |        |     |            |           |
| 1517-22-2                 | Phenanthrene-d10        | 6413  | 16.902    |        |     |            |           |
| 1719-03-5                 | Chrysene-d12            | 6947  | 21.104    |        |     |            |           |
| 1520-96-3                 | Perylene-d12            | 8554  | 23.277    |        |     |            |           |



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

### Hit Summary Sheet SW-846

SDG No.: BN080624

Client:

| Sample ID             | Client ID | Matrix | Parameter            | Concentration | C | MDL   | RDL | Units |
|-----------------------|-----------|--------|----------------------|---------------|---|-------|-----|-------|
| Client ID : IDW-S1-01 |           |        |                      |               |   |       |     |       |
| P3468-01              | IDW-S1-01 | Solid  | Benzo(a)anthracene   | 1.500         | J | 0.86  | 3.7 | ug/Kg |
| P3468-01              | IDW-S1-01 | Solid  | Benzo(b)fluoranthene | 2.000         | J | 1.4   | 3.7 | ug/Kg |
| P3468-01              | IDW-S1-01 | Solid  | Chrysene             | 1.400         | J | 0.98  | 3.7 | ug/Kg |
| P3468-01              | IDW-S1-01 | Solid  | Fluoranthene         | 2.900         | J | 0.76  | 3.7 | ug/Kg |
| P3468-01              | IDW-S1-01 | Solid  | Phenanthrene         | 1.600         | J | 0.72  | 3.7 | ug/Kg |
| P3468-01              | IDW-S1-01 | Solid  | Pyrene               | 2.500         | J | 1.1   | 3.7 | ug/Kg |
| Total Svoc :          |           |        |                      |               |   | 11.90 |     |       |
| Total Concentration:  |           |        |                      |               |   | 11.90 |     |       |

## SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: \_\_\_\_\_

Lab Code: CHEM Case No.: BN080524 SAS No.: BN080524 SDG No.: BN080524

Instrument ID: \_\_\_\_\_ Calibration Date(s): 8/5/2024 1: \_\_\_\_\_

Calibration Time(s): 18:39 \_\_\_\_\_

| LAB FILE ID:               | RRF0.1 = BN033241.D |        |        | RRF0.2 = BN033242.D |        |        | RRF0.4 = BN033243.D |       |
|----------------------------|---------------------|--------|--------|---------------------|--------|--------|---------------------|-------|
|                            | RRF0.8 = BN033244.D |        |        | RRF1.6 = BN033245.D |        |        | RRF3.2 = BN033246.D |       |
| COMPOUND                   | RRF0.1              | RRF0.2 | RRF0.4 | RRF0.8              | RRF1.6 | RRF3.2 | RRF                 | % RSD |
| 2-Methylnaphthalene-d10    | 0.538               | 0.554  | 0.581  | 0.632               | 0.640  | 0.597  | 0.593               | 6.4   |
| Fluoranthene-d10           | 1.129               | 1.104  | 1.060  | 1.185               | 1.162  | 1.097  | 1.119               | 3.8   |
| n-Nitrosodimethylamine     |                     | 0.465  | 0.424  | 0.504               | 0.501  | 0.505  | 0.488               | 7.6   |
| 2-Fluorophenol             |                     | 0.916  | 1.099  | 1.085               | 1.040  | 0.865  | 0.991               | 9.8   |
| Phenol-d6                  |                     | 1.084  | 1.420  | 1.441               | 1.449  | 1.355  | 1.361               | 10.3  |
| bis(2-Chloroethyl)ether    | 0.877               | 1.027  | 1.197  | 1.268               | 1.444  | 1.022  | 1.147               | 16.3  |
| Nitrobenzene-d5            | 0.264               | 0.311  | 0.273  | 0.363               | 0.365  | 0.339  | 0.322               | 12.6  |
| Naphthalene                | 1.030               | 1.091  | 1.050  | 1.179               | 1.144  | 1.057  | 1.087               | 5.1   |
| Hexachlorobutadiene        | 0.222               | 0.210  | 0.201  | 0.210               | 0.205  | 0.182  | 0.202               | 7.2   |
| 2-Methylnaphthalene        | 0.530               | 0.582  | 0.555  | 0.703               | 0.740  | 0.700  | 0.648               | 13.7  |
| 2-Fluorobiphenyl           | 1.262               | 1.228  | 1.294  | 1.521               | 1.489  | 1.369  | 1.368               | 8.3   |
| Acenaphthylene             | 1.442               | 1.394  | 1.473  | 1.705               | 1.741  | 1.675  | 1.596               | 9.6   |
| Acenaphthene               | 1.101               | 1.052  | 1.121  | 1.247               | 1.221  | 1.137  | 1.152               | 6.0   |
| Fluorene                   | 1.477               | 1.442  | 1.470  | 1.692               | 1.668  | 1.557  | 1.559               | 6.4   |
| 4,6-Dinitro-2-methylphenol |                     | 0.027  | 0.035  | 0.051               | 0.062  | 0.063  | 0.052               | 35.0  |
| 2,4,6-Tribromophenol       | 0.166               | 0.124  | 0.132  | 0.152               | 0.154  | 0.149  | 0.149               | 10.7  |
| 4-Bromophenyl-phenylether  | 0.197               | 0.208  | 0.202  | 0.240               | 0.234  | 0.203  | 0.212               | 8.1   |
| Hexachlorobenzene          | 0.232               | 0.216  | 0.209  | 0.242               | 0.234  | 0.211  | 0.222               | 6.3   |
| Atrazine                   | 0.216               | 0.193  | 0.182  | 0.211               | 0.205  | 0.195  | 0.200               | 5.7   |
| Pentachlorophenol          | 0.062               | 0.059  | 0.067  | 0.079               | 0.084  | 0.081  | 0.074               | 15.4  |
| Phenanthrene               | 1.106               | 1.004  | 0.972  | 1.159               | 1.148  | 1.072  | 1.076               | 6.5   |
| Anthracene                 | 0.775               | 0.764  | 0.809  | 0.984               | 1.020  | 0.970  | 0.902               | 12.5  |
| Fluoranthene               | 1.581               | 1.463  | 1.382  | 1.541               | 1.514  | 1.430  | 1.476               | 4.9   |
| Pyrene                     | 1.556               | 1.462  | 1.249  | 1.523               | 1.450  | 1.206  | 1.398               | 9.7   |
| Terphenyl-d14              | 0.706               | 0.719  | 0.625  | 0.762               | 0.729  | 0.616  | 0.691               | 7.8   |
| Benzo (a) anthracene       | 1.050               | 1.043  | 1.059  | 1.311               | 1.240  | 1.121  | 1.152               | 9.5   |
| Chrysene                   | 1.716               | 1.695  | 1.423  | 1.640               | 1.552  | 1.352  | 1.547               | 9.2   |
| Bis(2-ethylhexyl)phthalate | 0.884               | 0.541  | 0.210  | 0.165               | 0.075  | 0.039  | 0.277               | 115.8 |
| Benzo (b) fluoranthene     | 1.072               | 1.071  | 1.065  | 1.329               | 1.387  | 1.268  | 1.213               | 11.5  |
| Benzo (k) fluoranthene     | 1.542               | 1.486  | 1.354  | 1.671               | 1.643  | 1.471  | 1.518               | 7.3   |
| Benzo (a) pyrene           | 1.184               | 1.153  | 1.080  | 1.308               | 1.317  | 1.236  | 1.218               | 7.0   |
| Indeno (1,2,3-cd) pyrene   | 1.688               | 1.705  | 1.649  | 1.937               | 1.932  | 1.883  | 1.808               | 6.8   |
| Dibenzo (a,h) anthracene   | 1.313               | 1.334  | 1.304  | 1.523               | 1.529  | 1.505  | 1.428               | 7.3   |
| Benzo (g,h,i) perylene     | 1.577               | 1.580  | 1.536  | 1.760               | 1.724  | 1.654  | 1.636               | 5.0   |
| 1,4-Dioxane                |                     | 0.805  | 0.609  | 0.609               | 0.552  | 0.466  | 0.583               | 21.8  |

All other compounds must meet a minimum RRF of 0.010.

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BN080624 SAS No.: BN080624 SDG NO.: BN080624

EPA Sample No.: SSTDICCC0.4 Date Analyzed: Aug 6 2024 12:00AM

Lab File ID: BN033243.D Time Analyzed: 13:41

Instrument ID: BNA\_N 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        | 966                 | 7.51 | 3640                | 10.32  | 2509                | 14.13  |
| UPPER LIMIT        | 1932                | 8.01 | 7280                | 10.819 | 5018                | 14.626 |
| LOWER LIMIT        | 483                 | 7.01 | 1820                | 9.819  | 1254.5              | 13.626 |
| EPA SAMPLE NO.     |                     |      |                     |        |                     |        |
| 01 PB162490BL      | 736                 | 7.69 | 2380                | 10.53  | 1701                | 14.22  |
| 02 PB162490BS      | 693                 | 7.56 | 2705                | 10.34  | 1884                | 14.14  |
| 03 PB162490BSD     | 699                 | 7.56 | 2758                | 10.34  | 1926                | 14.14  |
| 04 EB-70-150       | 708                 | 7.52 | 2817                | 10.33  | 1929                | 14.13  |
| 05 MLS-15-224-239  | 969                 | 7.50 | 3343                | 10.24  | 2195                | 14.13  |
| 06 MLS-15-360-375  | 747                 | 7.60 | 2464                | 10.38  | 1782                | 14.15  |
| 07 MLS-15-383-398  | 897                 | 7.53 | 3260                | 10.27  | 1982                | 14.13  |
| 08 919-J-WS-080224 | 968                 | 7.55 | 3824                | 10.29  | 2488                | 14.11  |
| 09 MLS-15-682-697  | 890                 | 7.55 | 3267                | 10.32  | 2318                | 14.13  |
| 10 MLS-15-513-528  | 915                 | 7.57 | 3252                | 10.27  | 2153                | 14.13  |
| 11 MLS-15-625-640  | 880                 | 7.55 | 3133                | 10.30  | 2110                | 14.13  |
| 12 PB162519BL      | 772                 | 7.64 | 3109                | 10.51  | 2094                | 14.21  |
| 13 PB162519BS      | 864                 | 7.51 | 3242                | 10.32  | 2347                | 14.13  |
| 14 IDW-S1-01       | 890                 | 7.64 | 2976                | 10.36  | 2025                | 14.15  |
| 15 IDW-S1-01MS     | 1152                | 7.50 | 3984                | 10.28  | 2659                | 14.11  |
| 16 IDW-S1-01MSD    | 1109                | 7.51 | 3980                | 10.27  | 2634                | 14.11  |
|                    |                     |      |                     |        |                     |        |

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BN080624 SAS No.: BN080624 SDG NO.: BN080624

EPA Sample No.: SSTDICCC0.4 Date Analyzed: Aug 6 2024 12:00AM

Lab File ID: BN033243.D Time Analyzed: 22:53

Instrument ID: BNA\_N 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    | 966                 | 7.51 | 3640                | 10.32  | 2509                | 14.13  |
| UPPER LIMIT    | 1932                | 8.01 | 7280                | 10.819 | 5018                | 14.626 |
| LOWER LIMIT    | 483                 | 7.01 | 1820                | 9.819  | 1254.5              | 13.626 |
| EPA SAMPLE NO. |                     |      |                     |        |                     |        |

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.

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BN080624 SAS No.: BN080624 SDG NO.: BN080624

EPA Sample No.: SSTDCCC0.4 Date Analyzed: Aug 6 2024 12:00AM

Lab File ID: BN033270.D Time Analyzed: 13:41

Instrument ID: BNA\_N 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     | 699                 | 7.553 | 2661                | 10.33  | 1835                | 14.14  |
|    | UPPER LIMIT     | 1398                | 8.053 | 5322                | 10.829 | 3670                | 14.637 |
|    | LOWER LIMIT     | 349.5               | 7.053 | 1330.5              | 9.829  | 917.5               | 13.637 |
|    | EPA SAMPLE NO.  |                     |       |                     |        |                     |        |
| 01 | PB162490BL      | 736                 | 7.69  | 2380                | 10.53  | 1701                | 14.22  |
| 02 | PB162490BS      | 693                 | 7.56  | 2705                | 10.34  | 1884                | 14.14  |
| 03 | PB162490BSD     | 699                 | 7.56  | 2758                | 10.34  | 1926                | 14.14  |
| 04 | EB-70-150       | 708                 | 7.52  | 2817                | 10.33  | 1929                | 14.13  |
| 05 | MLS-15-224-239  | 969                 | 7.50  | 3343                | 10.24  | 2195                | 14.13  |
| 06 | MLS-15-360-375  | 747                 | 7.60  | 2464                | 10.38  | 1782                | 14.15  |
| 07 | MLS-15-383-398  | 897                 | 7.53  | 3260                | 10.27  | 1982                | 14.13  |
| 08 | 919-J-WS-080224 | 968                 | 7.55  | 3824                | 10.29  | 2488                | 14.11  |
| 09 | MLS-15-682-697  | 890                 | 7.55  | 3267                | 10.32  | 2318                | 14.13  |
| 10 | MLS-15-513-528  | 915                 | 7.57  | 3252                | 10.27  | 2153                | 14.13  |
| 11 | MLS-15-625-640  | 880                 | 7.55  | 3133                | 10.30  | 2110                | 14.13  |
| 12 | PB162519BL      | 772                 | 7.64  | 3109                | 10.51  | 2094                | 14.21  |
| 13 | PB162519BS      | 864                 | 7.51  | 3242                | 10.32  | 2347                | 14.13  |
| 14 | IDW-S1-01       | 890                 | 7.64  | 2976                | 10.36  | 2025                | 14.15  |
| 15 | IDW-S1-01MS     | 1152                | 7.50  | 3984                | 10.28  | 2659                | 14.11  |
| 16 | IDW-S1-01MSD    | 1109                | 7.51  | 3980                | 10.27  | 2634                | 14.11  |

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BN080624 SAS No.: BN080624 SDG NO.: BN080624

EPA Sample No.: SSTDCCC0.4 Date Analyzed: Aug 6 2024 12:00AM

Lab File ID: BN033270.D Time Analyzed: 22:53

Instrument ID: BNA\_N 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    | 699                 | 7.553 | 2661                | 10.33  | 1835                | 14.14  |
| UPPER LIMIT    | 1398                | 8.053 | 5322                | 10.829 | 3670                | 14.637 |
| LOWER LIMIT    | 349.5               | 7.053 | 1330.5              | 9.829  | 917.5               | 13.637 |
| EPA SAMPLE NO. |                     |       |                     |        |                     |        |

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.: BN080624 SAS No.: BN080624 SDG NO.: BN080624

EPA Sample No.: SSTDICCC0.4 Date Analyzed: Aug 6 2024 12:00AM

Lab File ID: BN033243.D Time Analyzed: 13:41

Instrument ID: BNA\_N 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     | 5788                | 16.92 | 6783                | 21.125 | 8596                | 23.291 |
|    | UPPER LIMIT     | 11576               | 17.42 | 13566               | 21.625 | 17192               | 23.791 |
|    | LOWER LIMIT     | 2894                | 16.42 | 3391.5              | 20.625 | 4298                | 22.791 |
|    | EPA SAMPLE NO.  |                     |       |                     |        |                     |        |
| 01 | PB162490BL      | 4323                | 17.01 | 4778                | 21.17  | 5313                | 23.34  |
| 02 | PB162490BS      | 4489                | 16.93 | 4554                | 21.14  | 5551                | 23.31  |
| 03 | PB162490BSD     | 4480                | 16.93 | 4687                | 21.13  | 5795                | 23.31  |
| 04 | EB-70-150       | 4436                | 16.94 | 4905                | 21.15  | 5661                | 23.32  |
| 05 | MLS-15-224-239  | 5787                | 16.91 | 6667                | 21.12  | 7752                | 23.29  |
| 06 | MLS-15-360-375  | 4351                | 16.93 | 5137                | 21.13  | 6110                | 23.31  |
| 07 | MLS-15-383-398  | 5340                | 16.92 | 6329                | 21.12  | 7144                | 23.30  |
| 08 | 919-J-WS-080224 | 6420                | 16.89 | 7473                | 21.10  | 8396                | 23.27  |
| 09 | MLS-15-682-697  | 5837                | 16.91 | 6453                | 21.13  | 7418                | 23.30  |
| 10 | MLS-15-513-528  | 5462                | 16.91 | 6159                | 21.12  | 7078                | 23.29  |
| 11 | MLS-15-625-640  | 5456                | 16.91 | 6187                | 21.13  | 7180                | 23.29  |
| 12 | PB162519BL      | 5276                | 17.00 | 5590                | 21.16  | 6221                | 23.32  |
| 13 | PB162519BS      | 5473                | 16.92 | 5757                | 21.13  | 6999                | 23.29  |
| 14 | IDW-S1-01       | 4883                | 16.93 | 5817                | 21.13  | 7297                | 23.29  |
| 15 | IDW-S1-01MS     | 6308                | 16.90 | 7060                | 21.10  | 8607                | 23.27  |
| 16 | IDW-S1-01MSD    | 6413                | 16.90 | 6947                | 21.10  | 8554                | 23.28  |

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BN080624 SAS No.: BN080624 SDG NO.: BN080624

EPA Sample No.: SSTDICCC0.4 Date Analyzed: Aug 6 2024 12:00AM

Lab File ID: BN033243.D Time Analyzed: 22:53

Instrument ID: BNA\_N 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    | 5788                | 16.92 | 6783                | 21.125 | 8596                | 23.291 |
| UPPER LIMIT    | 11576               | 17.42 | 13566               | 21.625 | 17192               | 23.791 |
| LOWER LIMIT    | 2894                | 16.42 | 3391.5              | 20.625 | 4298                | 22.791 |
| EPA SAMPLE NO. |                     |       |                     |        |                     |        |

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.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BN080624 SAS No.: BN080624 SDG NO.: BN080624

EPA Sample No.: SSTDCCC0.4 Date Analyzed: Aug 6 2024 12:00AM

Lab File ID: BN033270.D Time Analyzed: 13:41

Instrument ID: BNA\_N 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     | 4309                | 16.92 | 4566                | 21.133 | 5464                | 23.303 |
|    | UPPER LIMIT     | 8618                | 17.42 | 9132                | 21.633 | 10928               | 23.803 |
|    | LOWER LIMIT     | 2154.5              | 16.42 | 2283                | 20.633 | 2732                | 22.803 |
|    | EPA SAMPLE NO.  |                     |       |                     |        |                     |        |
| 01 | PB162490BL      | 4323                | 17.01 | 4778                | 21.17  | 5313                | 23.34  |
| 02 | PB162490BS      | 4489                | 16.93 | 4554                | 21.14  | 5551                | 23.31  |
| 03 | PB162490BSD     | 4480                | 16.93 | 4687                | 21.13  | 5795                | 23.31  |
| 04 | EB-70-150       | 4436                | 16.94 | 4905                | 21.15  | 5661                | 23.32  |
| 05 | MLS-15-224-239  | 5787                | 16.91 | 6667                | 21.12  | 7752                | 23.29  |
| 06 | MLS-15-360-375  | 4351                | 16.93 | 5137                | 21.13  | 6110                | 23.31  |
| 07 | MLS-15-383-398  | 5340                | 16.92 | 6329                | 21.12  | 7144                | 23.30  |
| 08 | 919-J-WS-080224 | 6420                | 16.89 | 7473                | 21.10  | 8396                | 23.27  |
| 09 | MLS-15-682-697  | 5837                | 16.91 | 6453                | 21.13  | 7418                | 23.30  |
| 10 | MLS-15-513-528  | 5462                | 16.91 | 6159                | 21.12  | 7078                | 23.29  |
| 11 | MLS-15-625-640  | 5456                | 16.91 | 6187                | 21.13  | 7180                | 23.29  |
| 12 | PB162519BL      | 5276                | 17.00 | 5590                | 21.16  | 6221                | 23.32  |
| 13 | PB162519BS      | 5473                | 16.92 | 5757                | 21.13  | 6999                | 23.29  |
| 14 | IDW-S1-01       | 4883                | 16.93 | 5817                | 21.13  | 7297                | 23.29  |
| 15 | IDW-S1-01MS     | 6308                | 16.90 | 7060                | 21.10  | 8607                | 23.27  |
| 16 | IDW-S1-01MSD    | 6413                | 16.90 | 6947                | 21.10  | 8554                | 23.28  |

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BN080624 SAS No.: BN080624 SDG NO.: BN080624

EPA Sample No.: SSTDCCC0.4 Date Analyzed: Aug 6 2024 12:00AM

Lab File ID: BN033270.D Time Analyzed: 22:53

Instrument ID: BNA\_N 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    | 4309                | 16.92 | 4566                | 21.133 | 5464                | 23.303 |
| UPPER LIMIT    | 8618                | 17.42 | 9132                | 21.633 | 10928               | 23.803 |
| LOWER LIMIT    | 2154.5              | 16.42 | 2283                | 20.633 | 2732                | 22.803 |
| EPA SAMPLE NO. |                     |       |                     |        |                     |        |

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.

## Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: BN080624

Client: \_\_\_\_\_

Analytical Method: **8270-Modified**

DataFile: \_\_\_\_\_

| Lab Sample ID | Parameter                  | Spike | Result | Unit | Rec | RPD | RPD  |      | Limits |      | RPD |
|---------------|----------------------------|-------|--------|------|-----|-----|------|------|--------|------|-----|
|               |                            |       |        |      |     |     | Qual | Qual | Low    | High |     |
| PB162490BS    | n-Nitrosodimethylamine     | 0.4   | 0.26   | ug/L | 65  |     |      |      | 33     | 130  |     |
|               | bis(2-Chloroethyl)ether    | 0.4   | 0.73   | ug/L | 183 |     | *    |      | 55     | 118  |     |
|               | Naphthalene                | 0.4   | 0.4    | ug/L | 100 |     |      |      | 67     | 120  |     |
|               | Hexachlorobutadiene        | 0.4   | 0.45   | ug/L | 113 |     |      |      | 33     | 114  |     |
|               | 2-Methylnaphthalene        | 0.4   | 0.33   | ug/L | 83  |     |      |      | 50     | 122  |     |
|               | Acenaphthylene             | 0.4   | 0.39   | ug/L | 98  |     |      |      | 60     | 119  |     |
|               | Acenaphthene               | 0.4   | 0.41   | ug/L | 103 |     |      |      | 65     | 119  |     |
|               | Total PAH                  | 6.4   | 6.1    | ug/L | 95  |     |      |      | 65     | 119  |     |
|               | Fluorene                   | 0.4   | 0.41   | ug/L | 103 |     |      |      | 58     | 122  |     |
|               | 4,6-Dinitro-2-methylphenol | 0.4   | 0.41   | ug/L | 103 |     |      |      | 20     | 150  |     |
|               | 4-Bromophenyl-phenylether  | 0.4   | 0.39   | ug/L | 98  |     |      |      | 20     | 150  |     |
|               | Hexachlorobenzene          | 0.4   | 0.4    | ug/L | 100 |     |      |      | 62     | 127  |     |
|               | Atrazine                   | 0.4   | 0.37   | ug/L | 93  |     |      |      | 20     | 150  |     |
|               | Pentachlorophenol          | 0.8   | 0.32   | ug/L | 40  |     |      |      | 10     | 137  |     |
|               | Phenanthrene               | 0.4   | 0.37   | ug/L | 93  |     |      |      | 65     | 117  |     |
|               | Anthracene                 | 0.4   | 0.33   | ug/L | 83  |     |      |      | 57     | 118  |     |
|               | Fluoranthene               | 0.4   | 0.37   | ug/L | 93  |     |      |      | 53     | 126  |     |
|               | Pyrene                     | 0.4   | 0.41   | ug/L | 103 |     |      |      | 54     | 124  |     |
|               | Benzo(a)anthracene         | 0.4   | 0.31   | ug/L | 78  |     |      |      | 54     | 130  |     |
|               | Chrysene                   | 0.4   | 0.47   | ug/L | 117 |     |      |      | 64     | 126  |     |
|               | bis(2-Ethylhexyl)phthalate | 0.4   | 0.52   | ug/L | 130 |     |      |      | 40     | 137  |     |
|               | Benzo(b)fluoranthene       | 0.4   | 0.36   | ug/L | 90  |     |      |      | 65     | 121  |     |
|               | Benzo(k)fluoranthene       | 0.4   | 0.4    | ug/L | 100 |     |      |      | 72     | 119  |     |
|               | Benzo(a)pyrene             | 0.4   | 0.39   | ug/L | 98  |     |      |      | 68     | 120  |     |
|               | Indeno(1,2,3-cd)pyrene     | 0.4   | 0.36   | ug/L | 90  |     |      |      | 70     | 127  |     |
|               | Dibenz(a,h)anthracene      | 0.4   | 0.35   | ug/L | 88  |     |      |      | 65     | 121  |     |
|               | Benzo(g,h,i)perylene       | 0.4   | 0.37   | ug/L | 93  |     |      |      | 76     | 117  |     |
|               | 1,4-Dioxane                | 0.4   | 0.4    | ug/L | 100 |     |      |      | 60     | 132  |     |
| PB162490BSD   | n-Nitrosodimethylamine     | 0.4   | 0.29   | ug/L | 73  | 11  |      |      | 33     | 130  | 20  |
|               | bis(2-Chloroethyl)ether    | 0.4   | 0.81   | ug/L | 202 | 10  | *    |      | 55     | 118  | 20  |
|               | Naphthalene                | 0.4   | 0.4    | ug/L | 100 | 0   |      |      | 67     | 120  | 20  |
|               | Hexachlorobutadiene        | 0.4   | 0.43   | ug/L | 108 | 5   |      |      | 33     | 114  | 20  |
|               | 2-Methylnaphthalene        | 0.4   | 0.34   | ug/L | 85  | 3   |      |      | 50     | 122  | 20  |
|               | Acenaphthylene             | 0.4   | 0.39   | ug/L | 98  | 0   |      |      | 60     | 119  | 20  |
|               | Acenaphthene               | 0.4   | 0.42   | ug/L | 105 | 2   |      |      | 65     | 119  | 20  |
|               | Total PAH                  | 6.4   | 6.13   | ug/L | 96  | 0   |      |      | 65     | 119  | 20  |
|               | Fluorene                   | 0.4   | 0.41   | ug/L | 103 | 0   |      |      | 58     | 122  | 20  |
|               | 4,6-Dinitro-2-methylphenol | 0.4   | 0.35   | ug/L | 88  | 16  |      |      | 20     | 150  | 20  |
|               | 4-Bromophenyl-phenylether  | 0.4   | 0.4    | ug/L | 100 | 3   |      |      | 20     | 150  | 20  |
|               | Hexachlorobenzene          | 0.4   | 0.42   | ug/L | 105 | 5   |      |      | 62     | 127  | 20  |
|               | Atrazine                   | 0.4   | 0.36   | ug/L | 90  | 3   |      |      | 20     | 150  | 20  |
|               | Pentachlorophenol          | 0.8   | 0.34   | ug/L | 43  | 6   |      |      | 10     | 137  | 20  |
|               | Phenanthrene               | 0.4   | 0.38   | ug/L | 95  | 3   |      |      | 65     | 117  | 20  |
|               | Anthracene                 | 0.4   | 0.34   | ug/L | 85  | 3   |      |      | 57     | 118  | 20  |

## Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: BN080624

Client: \_\_\_\_\_

Analytical Method: **8270-Modified**

DataFile: \_\_\_\_\_

| Lab Sample ID | Parameter                  | Spike | Result | Unit | Rec | RPD | RPD  |      | Limits |      |     |
|---------------|----------------------------|-------|--------|------|-----|-----|------|------|--------|------|-----|
|               |                            |       |        |      |     |     | Qual | Qual | Low    | High | RPD |
| PB162490BSD   | Fluoranthene               | 0.4   | 0.38   | ug/L | 95  | 3   |      |      | 53     | 126  | 20  |
|               | Pyrene                     | 0.4   | 0.41   | ug/L | 103 | 0   |      |      | 54     | 124  | 20  |
|               | Benzo(a)anthracene         | 0.4   | 0.33   | ug/L | 83  | 6   |      |      | 54     | 130  | 20  |
|               | Chrysene                   | 0.4   | 0.45   | ug/L | 113 | 4   |      |      | 64     | 126  | 20  |
|               | bis(2-Ethylhexyl)phthalate | 0.4   | 0.51   | ug/L | 128 | 2   |      |      | 40     | 137  | 20  |
|               | Benzo(b)fluoranthene       | 0.4   | 0.37   | ug/L | 93  | 3   |      |      | 65     | 121  | 20  |
|               | Benzo(k)fluoranthene       | 0.4   | 0.4    | ug/L | 100 | 0   |      |      | 72     | 119  | 20  |
|               | Benzo(a)pyrene             | 0.4   | 0.39   | ug/L | 98  | 0   |      |      | 68     | 120  | 20  |
|               | Indeno(1,2,3-cd)pyrene     | 0.4   | 0.35   | ug/L | 88  | 3   |      |      | 70     | 127  | 20  |
|               | Dibenz(a,h)anthracene      | 0.4   | 0.35   | ug/L | 88  | 0   |      |      | 65     | 121  | 20  |
|               | Benzo(g,h,i)perylene       | 0.4   | 0.36   | ug/L | 90  | 3   |      |      | 76     | 117  | 20  |
|               | 1,4-Dioxane                | 0.4   | 0.39   | ug/L | 98  | 3   |      |      | 60     | 132  | 20  |

## Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: BN080624

Client: \_\_\_\_\_

Analytical Method: **8270-Modified**

DataFile: \_\_\_\_\_

| Lab Sample ID | Parameter                  | Spike | Result | Unit  | Rec | RPD | Qual | RPD  |     | Limits |     |
|---------------|----------------------------|-------|--------|-------|-----|-----|------|------|-----|--------|-----|
|               |                            |       |        |       |     |     |      | Qual | Low | High   | RPD |
| PB162519BS    | n-Nitrosodimethylamine     | 13.3  | 14.3   | ug/Kg | 108 |     |      |      | 27  | 120    |     |
|               | bis(2-Chloroethyl)ether    | 13.3  | 31     | ug/Kg | 233 |     | *    |      | 48  | 114    |     |
|               | Naphthalene                | 13.3  | 14.1   | ug/Kg | 106 |     |      |      | 63  | 120    |     |
|               | Hexachlorobutadiene        | 13.3  | 15.2   | ug/Kg | 114 |     |      |      | 47  | 116    |     |
|               | 2-Methylnaphthalene        | 13.3  | 12.1   | ug/Kg | 91  |     |      |      | 54  | 111    |     |
|               | Acenaphthylene             | 13.3  | 13.2   | ug/Kg | 99  |     |      |      | 61  | 110    |     |
|               | Acenaphthene               | 13.3  | 13.6   | ug/Kg | 102 |     |      |      | 65  | 112    |     |
|               | Total PAH                  | 212.8 | 204.1  | ug/Kg | 96  |     |      |      | 65  | 112    |     |
|               | Fluorene                   | 13.3  | 13.6   | ug/Kg | 102 |     |      |      | 61  | 115    |     |
|               | 4,6-Dinitro-2-methylphenol | 13.3  | 14.2   | ug/Kg | 107 |     |      |      | 20  | 150    |     |
|               | 4-Bromophenyl-phenylether  | 13.3  | 13.4   | ug/Kg | 101 |     |      |      | 20  | 150    |     |
|               | Hexachlorobenzene          | 13.3  | 14.1   | ug/Kg | 106 |     |      |      | 52  | 117    |     |
|               | Atrazine                   | 13.3  | 12.1   | ug/Kg | 91  |     |      |      | 20  | 150    |     |
|               | Pentachlorophenol          | 26.7  | 11.9   | ug/Kg | 45  |     | *    |      | 47  | 116    |     |
|               | Phenanthrene               | 13.3  | 12.8   | ug/Kg | 96  |     |      |      | 61  | 120    |     |
|               | Anthracene                 | 13.3  | 11.8   | ug/Kg | 89  |     |      |      | 60  | 115    |     |
|               | Fluoranthene               | 13.3  | 12.3   | ug/Kg | 92  |     |      |      | 56  | 124    |     |
|               | Pyrene                     | 13.3  | 13.1   | ug/Kg | 98  |     |      |      | 58  | 125    |     |
|               | Benzo(a)anthracene         | 13.3  | 11.7   | ug/Kg | 88  |     |      |      | 45  | 129    |     |
|               | Chrysene                   | 13.3  | 13.4   | ug/Kg | 101 |     |      |      | 62  | 123    |     |
|               | bis(2-Ethylhexyl)phthalate | 13.3  | 10.6   | ug/Kg | 80  |     |      |      | 60  | 119    |     |
|               | Benzo(b)fluoranthene       | 13.3  | 11.8   | ug/Kg | 89  |     |      |      | 47  | 123    |     |
|               | Benzo(k)fluoranthene       | 13.3  | 14.1   | ug/Kg | 106 |     |      |      | 69  | 123    |     |
|               | Benzo(a)pyrene             | 13.3  | 12.6   | ug/Kg | 95  |     |      |      | 53  | 123    |     |
|               | Indeno(1,2,3-cd)pyrene     | 13.3  | 11.9   | ug/Kg | 89  |     |      |      | 62  | 131    |     |
|               | Dibenz(a,h)anthracene      | 13.3  | 11.9   | ug/Kg | 89  |     |      |      | 57  | 120    |     |
|               | Benzo(g,h,i)perylene       | 13.3  | 12.2   | ug/Kg | 92  |     |      |      | 66  | 121    |     |
|               | 1,4-Dioxane                | 13.3  | 10     | ug/Kg | 75  |     |      |      | 70  | 130    |     |

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB162490BL

Lab Name: CHEMTECH

Contract: \_\_\_\_\_

Lab Code: CHEM Case No.: BN080624

SAS No.: BN080624 SDG NO.: BN080624

Lab File ID: BN033271.D

Lab Sample ID: PB162490BL

Instrument ID: BNA\_N

Date Extracted: 08/05/2024

Matrix: (soil/water) Water

Date Analyzed: 08/06/2024

Level: (low/med) LOW

Time Analyzed: 13:41

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 |
|-------------------|------------------|----------------|------------------|
| PB162490BS        | PB162490BS       | BN033272.D     | 08/06/2024       |
| PB162490BSD       | PB162490BSD      | BN033273.D     | 08/06/2024       |
| EB-70-150         | P3458-02         | BN033274.D     | 08/06/2024       |
| MLS-15-224-239    | P3458-03         | BN033275.D     | 08/06/2024       |
| MLS-15-360-375    | P3459-02         | BN033276.D     | 08/06/2024       |
| MLS-15-383-398    | P3459-03         | BN033277.D     | 08/06/2024       |
| 919-J-WS-080224   | P3467-01         | BN033278.D     | 08/06/2024       |
| MLS-15-682-697    | P3468-02         | BN033279.D     | 08/06/2024       |
| MLS-15-513-528    | P3469-01         | BN033280.D     | 08/06/2024       |
| MLS-15-625-640    | P3469-02         | BN033281.D     | 08/06/2024       |

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

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB162519BL

Lab Name: CHEMTECH

Contract: \_\_\_\_\_

Lab Code: CHEM Case No.: BN080624

SAS No.: BN080624 SDG NO.: BN080624

Lab File ID: BN033282.D

Lab Sample ID: PB162519BL

Instrument ID: BNA\_N

Date Extracted: 08/06/2024

Matrix: (soil/water) Solid

Date Analyzed: 08/06/2024

Level: (low/med) LOW

Time Analyzed: 20:27

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 |
|-------------------|------------------|----------------|------------------|
| PB162519BS        | PB162519BS       | BN033283.D     | 08/06/2024       |
| IDW-S1-01         | P3468-01         | BN033284.D     | 08/06/2024       |
| IDW-S1-01MS       | P3468-01MS       | BN033285.D     | 08/06/2024       |
| IDW-S1-01MSD      | P3468-01MSD      | BN033286.D     | 08/06/2024       |

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

**Matrix Spike/Matrix Spike Duplicate Summary**

**SW-846**

**SDG No.:** BN080624

**Client:** \_\_\_\_\_

**Analytical Method:** 8270-Modified

| Parameter                        | Spike | Sample Result                        | Result | Units                       | Rec | Rec Qual | RPD | RPD Qual | Low | Limits High | RPD |
|----------------------------------|-------|--------------------------------------|--------|-----------------------------|-----|----------|-----|----------|-----|-------------|-----|
| <b>Lab Sample ID: P3468-01MS</b> |       | <b>Client Sample ID: IDW-S1-01MS</b> |        | <b>DataFile: BN033285.D</b> |     |          |     |          |     |             |     |
| n-Nitrosodimethylamine           | 15.1  |                                      | 27.6   | ug/Kg                       | 183 | *        |     |          | 19  | 144         |     |
| bis(2-Chloroethyl)ether          | 15.1  |                                      | 29.3   | ug/Kg                       | 194 | *        |     |          | 43  | 134         |     |
| Naphthalene                      | 15.1  |                                      | 13.1   | ug/Kg                       | 87  |          |     |          | 37  | 129         |     |
| Hexachlorobutadiene              | 15.1  |                                      | 13     | ug/Kg                       | 86  |          |     |          | 37  | 132         |     |
| 2-Methylnaphthalene              | 15.1  |                                      | 13.2   | ug/Kg                       | 87  |          |     |          | 37  | 139         |     |
| Acenaphthylene                   | 15.1  |                                      | 14.1   | ug/Kg                       | 93  |          |     |          | 21  | 147         |     |
| Acenaphthene                     | 15.1  |                                      | 14     | ug/Kg                       | 93  |          |     |          | 19  | 141         |     |
| Total PAH                        | 241.6 | 0                                    | 223.4  | ug/Kg                       | 92  |          |     |          | 19  | 141         |     |
| Fluorene                         | 15.1  |                                      | 13.6   | ug/Kg                       | 90  |          |     |          | 10  | 167         |     |
| 4,6-Dinitro-2-methylphenol       | 15.1  |                                      | 15.9   | ug/Kg                       | 105 |          |     |          | 20  | 150         |     |
| 4-Bromophenyl-phenylether        | 15.1  |                                      | 13.7   | ug/Kg                       | 91  |          |     |          | 20  | 150         |     |
| Hexachlorobenzene                | 15.1  |                                      | 13.2   | ug/Kg                       | 87  |          |     |          | 43  | 132         |     |
| Atrazine                         | 15.1  |                                      | 13.5   | ug/Kg                       | 89  |          |     |          | 20  | 150         |     |
| Pentachlorophenol                | 30.3  |                                      | 0      | ug/Kg                       | 0   | *        |     |          | 10  | 146         |     |
| Phenanthrene                     | 15.1  | 1.6                                  | 14.6   | ug/Kg                       | 86  |          |     |          | 27  | 146         |     |
| Anthracene                       | 15.1  |                                      | 13.8   | ug/Kg                       | 91  |          |     |          | 12  | 166         |     |
| Fluoranthene                     | 15.1  | 2.9                                  | 15.4   | ug/Kg                       | 83  |          |     |          | 20  | 150         |     |
| Pyrene                           | 15.1  | 2.5                                  | 15.6   | ug/Kg                       | 87  |          |     |          | 10  | 163         |     |
| Benzo(a)anthracene               | 15.1  | 1.5                                  | 15.5   | ug/Kg                       | 93  |          |     |          | 10  | 175         |     |
| Chrysene                         | 15.1  | 1.4                                  | 14.6   | ug/Kg                       | 87  |          |     |          | 32  | 143         |     |
| bis(2-Ethylhexyl)phthalate       | 15.1  |                                      | 8.1    | ug/Kg                       | 54  |          |     |          | 39  | 159         |     |
| Benzo(b)fluoranthene             | 15.1  | 2                                    | 14.9   | ug/Kg                       | 85  |          |     |          | 10  | 188         |     |
| Benzo(k)fluoranthene             | 15.1  |                                      | 13.6   | ug/Kg                       | 90  |          |     |          | 42  | 122         |     |
| Benzo(a)pyrene                   | 15.1  |                                      | 14.7   | ug/Kg                       | 97  |          |     |          | 10  | 175         |     |
| Indeno(1,2,3-cd)pyrene           | 15.1  |                                      | 12.6   | ug/Kg                       | 83  |          |     |          | 10  | 175         |     |
| Dibenz(a,h)anthracene            | 15.1  |                                      | 12.2   | ug/Kg                       | 81  |          |     |          | 10  | 170         |     |
| Benzo(g,h,i)perylene             | 15.1  |                                      | 11.1   | ug/Kg                       | 74  |          |     |          | 10  | 168         |     |
| 1,4-Dioxane                      | 15.1  |                                      | 7      | ug/Kg                       | 46  | *        |     |          | 70  | 130         |     |

**Matrix Spike/Matrix Spike Duplicate Summary**

**SW-846**

**SDG No.:** BN080624

**Client:** \_\_\_\_\_

**Analytical Method:** **8270-Modified**

| Parameter                         | Spike | Sample Result                         | Result | Units                       | Rec | Rec Qual | RPD | RPD Qual | Low | Limits High | RPD |
|-----------------------------------|-------|---------------------------------------|--------|-----------------------------|-----|----------|-----|----------|-----|-------------|-----|
| <b>Lab Sample ID: P3468-01MSD</b> |       | <b>Client Sample ID: IDW-S1-01MSD</b> |        | <b>DataFile: BN033286.D</b> |     |          |     |          |     |             |     |
| n-Nitrosodimethylamine            | 15.1  |                                       | 19.6   | ug/Kg                       | 130 |          | 34  | *        | 19  | 144         | 20  |
| bis(2-Chloroethyl)ether           | 15.1  |                                       | 30.4   | ug/Kg                       | 201 | *        | 4   |          | 43  | 134         | 20  |
| Naphthalene                       | 15.1  |                                       | 13.4   | ug/Kg                       | 89  |          | 2   |          | 37  | 129         | 20  |
| Hexachlorobutadiene               | 15.1  |                                       | 13.4   | ug/Kg                       | 89  |          | 3   |          | 37  | 132         | 20  |
| 2-Methylnaphthalene               | 15.1  |                                       | 14     | ug/Kg                       | 93  |          | 7   |          | 37  | 139         | 20  |
| Acenaphthylene                    | 15.1  |                                       | 14.9   | ug/Kg                       | 99  |          | 6   |          | 21  | 147         | 20  |
| Acenaphthene                      | 15.1  |                                       | 14.7   | ug/Kg                       | 97  |          | 4   |          | 19  | 141         | 20  |
| Total PAH                         | 241.6 | 0                                     | 231.7  | ug/Kg                       | 96  |          | 4   |          | 19  | 141         | 20  |
| Fluorene                          | 15.1  |                                       | 14.2   | ug/Kg                       | 94  |          | 4   |          | 10  | 167         | 20  |
| 4,6-Dinitro-2-methylphenol        | 15.1  |                                       | 15.9   | ug/Kg                       | 105 |          | 0   |          | 20  | 150         | 20  |
| 4-Bromophenyl-phenylether         | 15.1  |                                       | 13.7   | ug/Kg                       | 91  |          | 0   |          | 20  | 150         | 20  |
| Hexachlorobenzene                 | 15.1  |                                       | 13.6   | ug/Kg                       | 90  |          | 3   |          | 43  | 132         | 20  |
| Atrazine                          | 15.1  |                                       | 14     | ug/Kg                       | 93  |          | 4   |          | 20  | 150         | 20  |
| Pentachlorophenol                 | 30.3  |                                       | 3.2    | ug/Kg                       | 11  |          | 200 | *        | 10  | 146         | 20  |
| Phenanthrene                      | 15.1  | 1.6                                   | 15     | ug/Kg                       | 89  |          | 3   |          | 27  | 146         | 20  |
| Anthracene                        | 15.1  |                                       | 14.5   | ug/Kg                       | 96  |          | 5   |          | 12  | 166         | 20  |
| Fluoranthene                      | 15.1  | 2.9                                   | 15.8   | ug/Kg                       | 85  |          | 2   |          | 20  | 150         | 20  |
| Pyrene                            | 15.1  | 2.5                                   | 16.5   | ug/Kg                       | 93  |          | 7   |          | 10  | 163         | 20  |
| Benzo(a)anthracene                | 15.1  | 1.5                                   | 16.2   | ug/Kg                       | 97  |          | 4   |          | 10  | 175         | 20  |
| Chrysene                          | 15.1  | 1.4                                   | 15.4   | ug/Kg                       | 93  |          | 7   |          | 32  | 143         | 20  |
| bis(2-Ethylhexyl)phthalate        | 15.1  |                                       | 10.7   | ug/Kg                       | 71  |          | 27  | *        | 39  | 159         | 20  |
| Benzo(b)fluoranthene              | 15.1  | 2                                     | 15.2   | ug/Kg                       | 87  |          | 2   |          | 10  | 188         | 20  |
| Benzo(k)fluoranthene              | 15.1  |                                       | 14.2   | ug/Kg                       | 94  |          | 4   |          | 42  | 122         | 20  |
| Benzo(a)pyrene                    | 15.1  |                                       | 15.1   | ug/Kg                       | 100 |          | 3   |          | 10  | 175         | 20  |
| Indeno(1,2,3-cd)pyrene            | 15.1  |                                       | 13     | ug/Kg                       | 86  |          | 4   |          | 10  | 175         | 20  |
| Dibenz(a,h)anthracene             | 15.1  |                                       | 12.4   | ug/Kg                       | 82  |          | 1   |          | 10  | 170         | 20  |
| Benzo(g,h,i)perylene              | 15.1  |                                       | 11.2   | ug/Kg                       | 74  |          | 0   |          | 10  | 168         | 20  |
| 1,4-Dioxane                       | 15.1  |                                       | 6.6    | ug/Kg                       | 44  | *        | 4   |          | 70  | 130         | 20  |

## Surrogate Summary

SW-846

SDG No.: **BN080624**

Client: \_\_\_\_\_

Analytical Method: **8270-Modified**

| Lab Sample ID | Client ID       | Datafile   | Parameter               | Spike<br>(PPM) | Result<br>(PPM) | Recovery (%) | Qual | Limits (%) |      |
|---------------|-----------------|------------|-------------------------|----------------|-----------------|--------------|------|------------|------|
|               |                 |            |                         |                |                 |              |      | Low        | High |
| P3458-02      | EB-70-150       | BN033274.D | 2-Methylnaphthalene-d10 | 0.4            | 0.30            | 74           |      | 30         | 150  |
|               |                 |            | Fluoranthene-d10        | 0.4            | 0.40            | 100          |      | 30         | 150  |
|               |                 |            | 2-Fluorophenol          | 0.4            | 0.15            | 38           |      | 10         | 92   |
|               |                 |            | Phenol-d6               | 0.4            | 0.05            | 13           |      | 10         | 100  |
|               |                 |            | Nitrobenzene-d5         | 0.4            | 0.30            | 74           |      | 11         | 175  |
|               |                 |            | 2-Fluorobiphenyl        | 0.4            | 0.33            | 83           |      | 10         | 175  |
|               |                 |            | 2,4,6-Tribromophenol    | 0.4            | 0.36            | 89           |      | 24         | 148  |
|               |                 |            | Terphenyl-d14           | 0.4            | 0.57            | 141          |      | 54         | 171  |
| P3458-03      | MLS-15-224-239  | BN033275.D | 2-Methylnaphthalene-d10 | 0.4            | 0.33            | 81           |      | 30         | 150  |
|               |                 |            | Fluoranthene-d10        | 0.4            | 0.36            | 90           |      | 30         | 150  |
|               |                 |            | 2-Fluorophenol          | 0.4            | 0.14            | 34           |      | 10         | 92   |
|               |                 |            | Phenol-d6               | 0.4            | 0.09            | 23           |      | 10         | 100  |
|               |                 |            | Nitrobenzene-d5         | 0.4            | 0.32            | 81           |      | 11         | 175  |
|               |                 |            | 2-Fluorobiphenyl        | 0.4            | 0.35            | 86           |      | 10         | 175  |
|               |                 |            | 2,4,6-Tribromophenol    | 0.4            | 0.45            | 111          |      | 24         | 148  |
|               |                 |            | Terphenyl-d14           | 0.4            | 0.53            | 133          |      | 54         | 171  |
| P3459-02      | MLS-15-360-375  | BN033276.D | 2-Methylnaphthalene-d10 | 0.4            | 0.30            | 75           |      | 30         | 150  |
|               |                 |            | Fluoranthene-d10        | 0.4            | 0.38            | 96           |      | 30         | 150  |
|               |                 |            | 2-Fluorophenol          | 0.4            | 0.09            | 23           |      | 10         | 92   |
|               |                 |            | Phenol-d6               | 0.4            | 0.00            | 0            | *    | 10         | 100  |
|               |                 |            | Nitrobenzene-d5         | 0.4            | 0.27            | 68           |      | 11         | 175  |
|               |                 |            | 2-Fluorobiphenyl        | 0.4            | 0.29            | 72           |      | 10         | 175  |
|               |                 |            | 2,4,6-Tribromophenol    | 0.4            | 0.36            | 90           |      | 24         | 148  |
|               |                 |            | Terphenyl-d14           | 0.4            | 0.46            | 114          |      | 54         | 171  |
| P3459-03      | MLS-15-383-398  | BN033277.D | 2-Methylnaphthalene-d10 | 0.4            | 0.22            | 56           |      | 30         | 150  |
|               |                 |            | Fluoranthene-d10        | 0.4            | 0.34            | 85           |      | 30         | 150  |
|               |                 |            | 2-Fluorophenol          | 0.4            | 0.10            | 25           |      | 10         | 92   |
|               |                 |            | Phenol-d6               | 0.4            | 0.05            | 13           |      | 10         | 100  |
|               |                 |            | Nitrobenzene-d5         | 0.4            | 0.25            | 61           |      | 11         | 175  |
|               |                 |            | 2-Fluorobiphenyl        | 0.4            | 0.28            | 69           |      | 10         | 175  |
|               |                 |            | 2,4,6-Tribromophenol    | 0.4            | 0.39            | 97           |      | 24         | 148  |
|               |                 |            | Terphenyl-d14           | 0.4            | 0.38            | 95           |      | 54         | 171  |
| P3467-01      | 919-J-WS-080224 | BN033278.D | 2-Methylnaphthalene-d10 | 0.4            | 0.36            | 90           |      | 30         | 150  |
|               |                 |            | Fluoranthene-d10        | 0.4            | 0.46            | 115          |      | 30         | 150  |
|               |                 |            | 2-Fluorophenol          | 0.4            | 0.19            | 48           |      | 10         | 92   |
|               |                 |            | Phenol-d6               | 0.4            | 0.14            | 35           |      | 10         | 100  |
|               |                 |            | Nitrobenzene-d5         | 0.4            | 0.34            | 85           |      | 11         | 175  |
|               |                 |            | 2-Fluorobiphenyl        | 0.4            | 0.36            | 91           |      | 10         | 175  |
|               |                 |            | 2,4,6-Tribromophenol    | 0.4            | 0.49            | 123          |      | 24         | 148  |
|               |                 |            | Terphenyl-d14           | 0.4            | 0.55            | 138          |      | 54         | 171  |
| P3468-02      | MLS-15-682-697  | BN033279.D | 2-Methylnaphthalene-d10 | 0.4            | 0.42            | 106          |      | 30         | 150  |
|               |                 |            | Fluoranthene-d10        | 0.4            | 0.49            | 121          |      | 30         | 150  |
|               |                 |            | 2-Fluorophenol          | 0.4            | 0.14            | 34           |      | 10         | 92   |
|               |                 |            | Phenol-d6               | 0.4            | 0.04            | 11           |      | 10         | 100  |
|               |                 |            | Nitrobenzene-d5         | 0.4            | 0.36            | 90           |      | 11         | 175  |
|               |                 |            | 2-Fluorobiphenyl        | 0.4            | 0.38            | 94           |      | 10         | 175  |
|               |                 |            | 2,4,6-Tribromophenol    | 0.4            | 0.49            | 123          |      | 24         | 148  |
|               |                 |            | Terphenyl-d14           | 0.4            | 0.56            | 139          |      | 54         | 171  |
| P3469-01      | MLS-15-513-528  | BN033280.D | 2-Methylnaphthalene-d10 | 0.4            | 0.34            | 84           |      | 30         | 150  |

## Surrogate Summary

SW-846

SDG No.: **BN080624**

Client: \_\_\_\_\_

Analytical Method: **8270-Modified**

| Lab Sample ID | Client ID      | Datafile   | Parameter               | Spike<br>(PPM) | Result<br>(PPM) | Recovery (%) | Qual | Limits (%) |      |
|---------------|----------------|------------|-------------------------|----------------|-----------------|--------------|------|------------|------|
|               |                |            |                         |                |                 |              |      | Low        | High |
| P3469-01      | MLS-15-513-528 | BN033280.D | Fluoranthene-d10        | 0.4            | 0.46            | 115          |      | 30         | 150  |
|               |                |            | 2-Fluorophenol          | 0.4            | 0.14            | 34           |      | 10         | 92   |
|               |                |            | Phenol-d6               | 0.4            | 0.06            | 14           |      | 10         | 100  |
|               |                |            | Nitrobenzene-d5         | 0.4            | 0.33            | 83           |      | 11         | 175  |
|               |                |            | 2-Fluorobiphenyl        | 0.4            | 0.32            | 81           |      | 10         | 175  |
|               |                |            | 2,4,6-Tribromophenol    | 0.4            | 0.44            | 111          |      | 24         | 148  |
|               |                |            | Terphenyl-d14           | 0.4            | 0.53            | 132          |      | 54         | 171  |
| P3469-02      | MLS-15-625-640 | BN033281.D | 2-Methylnaphthalene-d10 | 0.4            | 0.33            | 82           |      | 30         | 150  |
|               |                |            | Fluoranthene-d10        | 0.4            | 0.48            | 120          |      | 30         | 150  |
|               |                |            | 2-Fluorophenol          | 0.4            | 0.14            | 34           |      | 10         | 92   |
|               |                |            | Phenol-d6               | 0.4            | 0.05            | 12           |      | 10         | 100  |
|               |                |            | Nitrobenzene-d5         | 0.4            | 0.34            | 86           |      | 11         | 175  |
|               |                |            | 2-Fluorobiphenyl        | 0.4            | 0.32            | 80           |      | 10         | 175  |
|               |                |            | 2,4,6-Tribromophenol    | 0.4            | 0.49            | 122          |      | 24         | 148  |
| PB162490BL    | PB162490BL     | BN033271.D | Terphenyl-d14           | 0.4            | 0.54            | 134          |      | 54         | 171  |
|               |                |            | 2-Methylnaphthalene-d10 | 0.4            | 0.38            | 95           |      | 30         | 150  |
|               |                |            | Fluoranthene-d10        | 0.4            | 0.38            | 94           |      | 30         | 150  |
|               |                |            | 2-Fluorophenol          | 0.4            | 0.37            | 93           | *    | 10         | 92   |
|               |                |            | Phenol-d6               | 0.4            | 0.32            | 81           |      | 10         | 100  |
|               |                |            | Nitrobenzene-d5         | 0.4            | 0.40            | 100          |      | 11         | 175  |
|               |                |            | 2-Fluorobiphenyl        | 0.4            | 0.17            | 43           |      | 10         | 175  |
| PB162490BS    | PB162490BS     | BN033272.D | 2,4,6-Tribromophenol    | 0.4            | 0.19            | 48           |      | 24         | 148  |
|               |                |            | Terphenyl-d14           | 0.4            | 0.43            | 107          |      | 54         | 171  |
|               |                |            | 2-Methylnaphthalene-d10 | 0.4            | 0.42            | 104          |      | 30         | 150  |
|               |                |            | Fluoranthene-d10        | 0.4            | 0.38            | 95           |      | 30         | 150  |
|               |                |            | 2-Fluorophenol          | 0.4            | 0.46            | 114          | *    | 10         | 92   |
|               |                |            | Phenol-d6               | 0.4            | 0.43            | 108          | *    | 10         | 100  |
|               |                |            | Nitrobenzene-d5         | 0.4            | 0.35            | 86           |      | 11         | 175  |
| PB162490BSD   | PB162490BSD    | BN033273.D | 2-Fluorobiphenyl        | 0.4            | 0.40            | 99           |      | 10         | 175  |
|               |                |            | 2,4,6-Tribromophenol    | 0.4            | 0.40            | 101          |      | 24         | 148  |
|               |                |            | Terphenyl-d14           | 0.4            | 0.41            | 102          |      | 54         | 171  |
|               |                |            | 2-Methylnaphthalene-d10 | 0.4            | 0.37            | 92           |      | 30         | 150  |
|               |                |            | Fluoranthene-d10        | 0.4            | 0.39            | 98           |      | 30         | 150  |
|               |                |            | 2-Fluorophenol          | 0.4            | 0.43            | 107          | *    | 10         | 92   |
|               |                |            | Phenol-d6               | 0.4            | 0.42            | 105          | *    | 10         | 100  |
|               |                |            | Nitrobenzene-d5         | 0.4            | 0.35            | 87           |      | 11         | 175  |
|               |                |            | 2-Fluorobiphenyl        | 0.4            | 0.39            | 98           |      | 10         | 175  |
|               |                |            | 2,4,6-Tribromophenol    | 0.4            | 0.42            | 104          |      | 24         | 148  |
|               |                |            | Terphenyl-d14           | 0.4            | 0.41            | 101          |      | 54         | 171  |
|               |                |            |                         |                |                 |              |      |            |      |

## Surrogate Summary

SW-846

SDG No.: **BN080624**

Client: \_\_\_\_\_

Analytical Method: **8270-Modified**

| Lab Sample ID | Client ID    | Datafile   | Parameter               | Spike<br>(PPM) | Result<br>(PPM) | Recovery (%) | Qual | Limits (%) |      |
|---------------|--------------|------------|-------------------------|----------------|-----------------|--------------|------|------------|------|
|               |              |            |                         |                |                 |              |      | Low        | High |
| P3468-01      | IDW-S1-01    | BN033284.D | 2-Methylnaphthalene-d10 | 0.4            | 0.25            | 63           |      | 21         | 128  |
|               |              |            | Fluoranthene-d10        | 0.4            | 0.25            | 61           |      | 13         | 127  |
|               |              |            | 2-Fluorophenol          | 0.4            | 0.32            | 81           |      | 28         | 122  |
|               |              |            | Phenol-d6               | 0.4            | 0.32            | 80           |      | 12         | 126  |
|               |              |            | Nitrobenzene-d5         | 0.4            | 0.27            | 67           |      | 14         | 112  |
|               |              |            | 2-Fluorobiphenyl        | 0.4            | 0.25            | 63           |      | 22         | 114  |
|               |              |            | 2,4,6-Tribromophenol    | 0.4            | 0.33            | 83           |      | 10         | 137  |
|               |              |            | Terphenyl-d14           | 0.4            | 0.24            | 60           |      | 21         | 130  |
| P3468-01MS    | IDW-S1-01MS  | BN033285.D | 2-Methylnaphthalene-d10 | 0.4            | 0.35            | 88           |      | 21         | 128  |
|               |              |            | Fluoranthene-d10        | 0.4            | 0.22            | 55           |      | 13         | 127  |
|               |              |            | 2-Fluorophenol          | 0.4            | 0.38            | 94           |      | 28         | 122  |
|               |              |            | Phenol-d6               | 0.4            | 0.29            | 72           |      | 12         | 126  |
|               |              |            | Nitrobenzene-d5         | 0.4            | 0.25            | 62           |      | 14         | 112  |
|               |              |            | 2-Fluorobiphenyl        | 0.4            | 0.25            | 63           |      | 22         | 114  |
|               |              |            | 2,4,6-Tribromophenol    | 0.4            | 0.31            | 77           |      | 10         | 137  |
|               |              |            | Terphenyl-d14           | 0.4            | 0.23            | 57           |      | 21         | 130  |
| P3468-01MSD   | IDW-S1-01MSD | BN033286.D | 2-Methylnaphthalene-d10 | 0.4            | 0.37            | 91           |      | 21         | 128  |
|               |              |            | Fluoranthene-d10        | 0.4            | 0.23            | 56           |      | 13         | 127  |
|               |              |            | 2-Fluorophenol          | 0.4            | 0.37            | 92           |      | 28         | 122  |
|               |              |            | Phenol-d6               | 0.4            | 0.34            | 85           |      | 12         | 126  |
|               |              |            | Nitrobenzene-d5         | 0.4            | 0.28            | 70           |      | 14         | 112  |
|               |              |            | 2-Fluorobiphenyl        | 0.4            | 0.26            | 64           |      | 22         | 114  |
|               |              |            | 2,4,6-Tribromophenol    | 0.4            | 0.33            | 83           |      | 10         | 137  |
|               |              |            | Terphenyl-d14           | 0.4            | 0.24            | 60           |      | 21         | 130  |
| PB162519BL    | PB162519BL   | BN033282.D | 2-Methylnaphthalene-d10 | 0.4            | 0.33            | 83           |      | 21         | 128  |
|               |              |            | Fluoranthene-d10        | 0.4            | 0.36            | 90           |      | 13         | 127  |
|               |              |            | 2-Fluorophenol          | 0.4            | 0.52            | 129          | *    | 28         | 122  |
|               |              |            | Phenol-d6               | 0.4            | 0.41            | 102          |      | 12         | 126  |
|               |              |            | Nitrobenzene-d5         | 0.4            | 0.37            | 91           |      | 14         | 112  |
|               |              |            | 2-Fluorobiphenyl        | 0.4            | 0.36            | 91           |      | 22         | 114  |
|               |              |            | 2,4,6-Tribromophenol    | 0.4            | 0.18            | 45           |      | 10         | 137  |
|               |              |            | Terphenyl-d14           | 0.4            | 0.43            | 108          |      | 21         | 130  |
| PB162519BS    | PB162519BS   | BN033283.D | 2-Methylnaphthalene-d10 | 0.4            | 0.46            | 115          |      | 21         | 128  |
|               |              |            | Fluoranthene-d10        | 0.4            | 0.38            | 96           |      | 13         | 127  |
|               |              |            | 2-Fluorophenol          | 0.4            | 0.49            | 122          |      | 28         | 122  |
|               |              |            | Phenol-d6               | 0.4            | 0.48            | 120          |      | 12         | 126  |
|               |              |            | Nitrobenzene-d5         | 0.4            | 0.38            | 95           |      | 14         | 112  |
|               |              |            | 2-Fluorobiphenyl        | 0.4            | 0.40            | 99           |      | 22         | 114  |
|               |              |            | 2,4,6-Tribromophenol    | 0.4            | 0.43            | 106          |      | 10         | 137  |
|               |              |            | Terphenyl-d14           | 0.4            | 0.41            | 102          |      | 21         | 130  |

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK  
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: BN080624

Lab Code: CHEM

SAS No.: BN080624

SDG NO.: BN080624

Lab File ID: BN033269.D

DFTPP Injection Date: 08/06/2024

Instrument ID: BNA\_N

DFTPP Injection Time: 12:24

| m/e | ION ABUNDANCE CRITERIA             | % RELATIVE ABUNDANCE |
|-----|------------------------------------|----------------------|
| 51  | 10.0 - 80.0% of mass 198           | 48.2                 |
| 68  | Less than 2.0% of mass 69          | 0.6 ( 1.2 ) 1        |
| 69  | Mass 69 relative abundance         | 51.3                 |
| 70  | Less than 2.0% of mass 69          | 0.3 ( 0.6 ) 1        |
| 127 | 10.0 - 80.0% of mass 198           | 58.3                 |
| 197 | Less than 2.0% of mass 198         | 0.1                  |
| 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           | 25.5                 |
| 365 | Greater than 1% of mass 198        | 4.1                  |
| 441 | Present, but less than mass 443    | 8.2                  |
| 442 | Greater than 50% of mass 198       | 47.5                 |
| 443 | 15.0 - 24.0% of mass 442           | 10.1 ( 21.3 ) 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 |
|-------------------|------------------|----------------|------------------|------------------|
| SSTDCCC0.4        | SSTDCCC0.4       | BN033270.D     | 08/06/2024       | 13:04            |
| PB162490BL        | PB162490BL       | BN033271.D     | 08/06/2024       | 13:41            |
| PB162490BS        | PB162490BS       | BN033272.D     | 08/06/2024       | 14:18            |
| PB162490BSD       | PB162490BSD      | BN033273.D     | 08/06/2024       | 14:55            |
| EB-70-150         | P3458-02         | BN033274.D     | 08/06/2024       | 15:32            |
| MLS-15-224-239    | P3458-03         | BN033275.D     | 08/06/2024       | 16:09            |
| MLS-15-360-375    | P3459-02         | BN033276.D     | 08/06/2024       | 16:46            |
| MLS-15-383-398    | P3459-03         | BN033277.D     | 08/06/2024       | 17:23            |
| 919-J-WS-080224   | P3467-01         | BN033278.D     | 08/06/2024       | 17:59            |
| MLS-15-682-697    | P3468-02         | BN033279.D     | 08/06/2024       | 18:36            |
| MLS-15-513-528    | P3469-01         | BN033280.D     | 08/06/2024       | 19:13            |
| MLS-15-625-640    | P3469-02         | BN033281.D     | 08/06/2024       | 19:50            |
| PB162519BL        | PB162519BL       | BN033282.D     | 08/06/2024       | 20:27            |
| PB162519BS        | PB162519BS       | BN033283.D     | 08/06/2024       | 21:03            |
| IDW-S1-01         | P3468-01         | BN033284.D     | 08/06/2024       | 21:40            |
| IDW-S1-01MS       | P3468-01MS       | BN033285.D     | 08/06/2024       | 22:16            |
| IDW-S1-01MSD      | P3468-01MSD      | BN033286.D     | 08/06/2024       | 22:53            |
| SSTDCCC0.4EC      | SSTDCCC0.4       | BN033287.D     | 08/06/2024       | 23:29            |