

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

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

Lab Code: CHEM Case No.: BN080924 SAS No.: BN080924 SDG No.: BN080924

Instrument ID: BNA\_N Calibration Date/Time: 8/9/2024 12:10:16

Lab File ID: BN033311.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    | 0.623 | 0.582  |         | -6.581  | 20.0  |
| Fluoranthene-d10           | 1.101 | 1.002  |         | -8.992  | 20.0  |
| n-Nitrosodimethylamine     | 0.563 | 0.588  |         | 4.44    | 20.0  |
| 2-Fluorophenol             | 1.053 | 0.929  |         | -11.776 | 20.0  |
| Phenol-d6                  | 1.439 | 1.240  |         | -13.829 | 20.0  |
| bis(2-Chloroethyl)ether    | 1.231 | 1.203  |         | -2.275  | 20.0  |
| Nitrobenzene-d5            | 0.244 | 0.268  |         | 9.836   | 20.0  |
| Naphthalene                | 1.123 | 1.145  |         | 1.959   | 20.0  |
| Hexachlorobutadiene        | 0.206 | 0.224  |         | 8.738   | 20.0  |
| 2-Methylnaphthalene        | 0.774 | 0.745  |         | -3.747  | 20.0  |
| 2-Fluorobiphenyl           | 1.507 | 1.724  |         | 14.399  | 20.0  |
| Acenaphthylene             | 1.953 | 1.934  |         | -0.973  | 20.0  |
| Acenaphthene               | 1.239 | 1.319  |         | 6.457   | 20.0  |
| Fluorene                   | 1.656 | 1.746  |         | 5.435   | 20.0  |
| 4,6-Dinitro-2-methylphenol | 0.029 | 0.036  |         | 24.138  | 20.0  |
| 2,4,6-Tribromophenol       | 0.162 | 0.139  |         | -14.198 | 20.0  |
| 4-Bromophenyl-phenylether  | 0.243 | 0.244  |         | 0.412   | 20.0  |
| Hexachlorobenzene          | 0.255 | 0.281  |         | 10.196  | 20.0  |
| Atrazine                   | 0.201 | 0.159  |         | -20.896 | 20.0  |
| Pentachlorophenol          | 0.089 | 0.077  |         | -13.483 | 20.0  |
| Phenanthrene               | 1.158 | 1.186  |         | 2.418   | 20.0  |
| Anthracene                 | 1.126 | 1.021  |         | -9.325  | 20.0  |
| Fluoranthene               | 1.460 | 1.417  |         | -2.945  | 20.0  |
| Pyrene                     | 1.573 | 1.708  |         | 8.582   | 20.0  |
| Terphenyl-d14              | 0.690 | 0.696  |         | 0.87    | 20.0  |
| Benzo(a)anthracene         | 1.553 | 1.465  |         | -5.666  | 20.0  |
| Chrysene                   | 1.504 | 1.641  |         | 9.109   | 20.0  |
| Bis(2-ethylhexyl)phthalate | 0.805 | 0.561  |         | -30.311 | 20.0  |
| Benzo(b)fluoranthene       | 1.487 | 1.515  |         | 1.952   | 20.0  |
| Benzo(k)fluoranthene       | 1.444 | 1.593  |         | 10.319  | 20.0  |
| Benzo(a)pyrene             | 1.321 | 1.228  |         | -7.04   | 20.0  |
| Indeno(1,2,3-cd)pyrene     | 1.750 | 1.619  |         | -7.486  | 20.0  |
| Dibenzo(a,h)anthracene     | 1.382 | 1.286  |         | -6.946  | 20.0  |
| Benzo(g,h,i)perylene       | 1.503 | 1.482  |         | -1.397  | 20.0  |
| 1,4-Dioxane                | 0.443 | 0.440  |         | -0.677  | 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.: BN080924 SAS No.: BN080924 SDG No.: BN080924  
Instrument ID: BNA\_N Calibration Date/Time: 8/9/2024 12:16:24  
Lab File ID: BN033320.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    | 0.623 | 0.580  |         | -6.902  | 50.0  |
| Fluoranthene-d10           | 1.101 | 1.013  |         | -7.993  | 50.0  |
| n-Nitrosodimethylamine     | 0.563 | 0.605  |         | 7.46    | 50.0  |
| 2-Fluorophenol             | 1.053 | 0.901  |         | -14.435 | 50.0  |
| Phenol-d6                  | 1.439 | 1.216  |         | -15.497 | 50.0  |
| bis(2-Chloroethyl) ether   | 1.231 | 1.216  |         | -1.219  | 50.0  |
| Nitrobenzene-d5            | 0.244 | 0.277  |         | 13.525  | 50.0  |
| Naphthalene                | 1.123 | 1.139  |         | 1.425   | 50.0  |
| Hexachlorobutadiene        | 0.206 | 0.226  |         | 9.709   | 50.0  |
| 2-Methylnaphthalene        | 0.774 | 0.748  |         | -3.359  | 50.0  |
| 2-Fluorobiphenyl           | 1.507 | 1.719  |         | 14.068  | 50.0  |
| Acenaphthylene             | 1.953 | 1.923  |         | -1.536  | 50.0  |
| Acenaphthene               | 1.239 | 1.319  |         | 6.457   | 50.0  |
| Fluorene                   | 1.656 | 1.739  |         | 5.012   | 50.0  |
| 4,6-Dinitro-2-methylphenol | 0.029 | 0.040  |         | 37.931  | 50.0  |
| 2,4,6-Tribromophenol       | 0.162 | 0.140  |         | -13.58  | 50.0  |
| 4-Bromophenyl-phenylether  | 0.243 | 0.246  |         | 1.235   | 50.0  |
| Hexachlorobenzene          | 0.255 | 0.283  |         | 10.98   | 50.0  |
| Atrazine                   | 0.201 | 0.159  |         | -20.896 | 50.0  |
| Pentachlorophenol          | 0.089 | 0.080  |         | -10.112 | 50.0  |
| Phenanthrene               | 1.158 | 1.211  |         | 4.577   | 50.0  |
| Anthracene                 | 1.126 | 1.033  |         | -8.259  | 50.0  |
| Fluoranthene               | 1.460 | 1.433  |         | -1.849  | 50.0  |
| Pyrene                     | 1.573 | 1.693  |         | 7.629   | 50.0  |
| Terphenyl-d14              | 0.690 | 0.683  |         | -1.014  | 50.0  |
| Benzo(a)anthracene         | 1.553 | 1.457  |         | -6.182  | 50.0  |
| Chrysene                   | 1.504 | 1.634  |         | 8.644   | 50.0  |
| Bis(2-ethylhexyl)phthalate | 0.805 | 0.551  |         | -31.553 | 50.0  |
| Benzo(b)fluoranthene       | 1.487 | 1.408  |         | -5.249  | 50.0  |
| Benzo(k)fluoranthene       | 1.444 | 1.599  |         | 10.734  | 50.0  |
| Benzo(a)pyrene             | 1.321 | 1.168  |         | -11.582 | 50.0  |
| Indeno(1,2,3-cd)pyrene     | 1.750 | 1.599  |         | -8.629  | 50.0  |
| Dibenzo(a,h)anthracene     | 1.382 | 1.271  |         | -8.032  | 50.0  |
| Benzo(g,h,i)perylene       | 1.503 | 1.476  |         | -1.796  | 50.0  |
| 1,4-Dioxane                | 0.443 | 0.444  |         | 0.226   | 50.0  |

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.: BN080924 SAS No.: BN080924 SDG No.: BN080924

Instrument ID: BNA\_N Calibration Date/Time: 8/9/2024 12:18:19

Lab File ID: BN033322.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    | 0.623 | 0.577  |         | -7.384  | 20.0  |
| Fluoranthene-d10           | 1.101 | 1.004  |         | -8.81   | 20.0  |
| n-Nitrosodimethylamine     | 0.563 | 0.601  |         | 6.75    | 20.0  |
| 2-Fluorophenol             | 1.053 | 0.893  |         | -15.195 | 20.0  |
| Phenol-d6                  | 1.439 | 1.220  |         | -15.219 | 20.0  |
| bis(2-Chloroethyl) ether   | 1.231 | 1.202  |         | -2.356  | 20.0  |
| Nitrobenzene-d5            | 0.244 | 0.273  |         | 11.885  | 20.0  |
| Naphthalene                | 1.123 | 1.141  |         | 1.603   | 20.0  |
| Hexachlorobutadiene        | 0.206 | 0.228  |         | 10.68   | 20.0  |
| 2-Methylnaphthalene        | 0.774 | 0.741  |         | -4.264  | 20.0  |
| 2-Fluorobiphenyl           | 1.507 | 1.733  |         | 14.997  | 20.0  |
| Acenaphthylene             | 1.953 | 1.926  |         | -1.382  | 20.0  |
| Acenaphthene               | 1.239 | 1.311  |         | 5.811   | 20.0  |
| Fluorene                   | 1.656 | 1.716  |         | 3.623   | 20.0  |
| 4,6-Dinitro-2-methylphenol | 0.029 | 0.041  |         | 41.379  | 20.0  |
| 2,4,6-Tribromophenol       | 0.162 | 0.139  |         | -14.198 | 20.0  |
| 4-Bromophenyl-phenylether  | 0.243 | 0.250  |         | 2.881   | 20.0  |
| Hexachlorobenzene          | 0.255 | 0.291  |         | 14.118  | 20.0  |
| Atrazine                   | 0.201 | 0.156  |         | -22.388 | 20.0  |
| Pentachlorophenol          | 0.089 | 0.080  |         | -10.112 | 20.0  |
| Phenanthrene               | 1.158 | 1.211  |         | 4.577   | 20.0  |
| Anthracene                 | 1.126 | 1.028  |         | -8.703  | 20.0  |
| Fluoranthene               | 1.460 | 1.437  |         | -1.575  | 20.0  |
| Pyrene                     | 1.573 | 1.661  |         | 5.594   | 20.0  |
| Terphenyl-d14              | 0.690 | 0.660  |         | -4.348  | 20.0  |
| Benzo(a)anthracene         | 1.553 | 1.480  |         | -4.701  | 20.0  |
| Chrysene                   | 1.504 | 1.605  |         | 6.715   | 20.0  |
| Bis(2-ethylhexyl)phthalate | 0.805 | 0.550  |         | -31.677 | 20.0  |
| Benzo(b)fluoranthene       | 1.487 | 1.386  |         | -6.729  | 20.0  |
| Benzo(k)fluoranthene       | 1.444 | 1.498  |         | 3.74    | 20.0  |
| Benzo(a)pyrene             | 1.321 | 1.169  |         | -11.506 | 20.0  |
| Indeno(1,2,3-cd)pyrene     | 1.750 | 1.589  |         | -9.2    | 20.0  |
| Dibenzo(a,h)anthracene     | 1.382 | 1.264  |         | -8.538  | 20.0  |
| Benzo(g,h,i)perylene       | 1.503 | 1.448  |         | -3.659  | 20.0  |
| 1,4-Dioxane                | 0.443 | 0.445  |         | 0.451   | 20.0  |

All other compounds must meet a minimum RRF of 0.010.

## Report of Analysis

|                    |                |                 |                      |
|--------------------|----------------|-----------------|----------------------|
| Client:            |                | Date Collected: | 8/8/2024 12:00:00 AM |
| Project:           |                | Date Received:  | 8/8/2024 12:00:00 AM |
| Client Sample ID:  | PB162593BL     | SDG No.:        | BN080924             |
| Lab Sample ID:     | PB162593BL     | 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 |
| BN033312.D        | 1         | 8/8/2024 12:00:00 AM | 8/9/2024 12:00:00 AM | PB162593      |

| 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: | 8/8/2024 12:00:00 AM |
| Project:           |                        | Date Received:  | 8/8/2024 12:00:00 AM |
| Client Sample ID:  | PB162593BL             | SDG No.:        | BN080924             |
| Lab Sample ID:     | PB162593BL             | 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 |
| BN033312.D        | 1         | 8/8/2024 12:00:00 AM | 8/9/2024 12:00:00 AM | PB162593      |

| CAS Number                | Parameter               | Conc. | Qualifier | MDL    | LOD | LOQ / CRQL | Units     |
|---------------------------|-------------------------|-------|-----------|--------|-----|------------|-----------|
| <b>SURROGATES</b>         |                         |       |           |        |     |            |           |
| 7297-45-2                 | 2-Methylnaphthalene-d10 | 0.261 |           | 30-150 |     | 65         | SPK: -0.4 |
| 93951-69-0                | Fluoranthene-d10        | 0.263 |           | 30-150 |     | 66         | SPK: -0.4 |
| 367-12-4                  | 2-Fluorophenol          | 0.266 |           | 10-92  |     | 67         | SPK: -0.4 |
| 13127-88-3                | Phenol-d6               | 0.254 |           | 10-100 |     | 63         | SPK: -0.4 |
| 4165-60-0                 | Nitrobenzene-d5         | 0.307 |           | 11-175 |     | 77         | SPK: -0.4 |
| 321-60-8                  | 2-Fluorobiphenyl        | 0.312 |           | 10-175 |     | 78         | SPK: -0.4 |
| 118-79-6                  | 2,4,6-Tribromophenol    | 0.225 |           | 24-148 |     | 56         | SPK: -0.4 |
| 1718-51-0                 | Terphenyl-d14           | 0.334 |           | 54-171 |     | 83         | SPK: -0.4 |
| <b>INTERNAL STANDARDS</b> |                         |       |           |        |     |            |           |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4  | 5124  | 7.587     |        |     |            |           |
| 1146-65-2                 | Naphthalene-d8          | 13737 | 10.349    |        |     |            |           |
| 15067-26-2                | Acenaphthene-d10        | 7190  | 14.223    |        |     |            |           |
| 1517-22-2                 | Phenanthrene-d10        | 18300 | 16.971    |        |     |            |           |
| 1719-03-5                 | Chrysene-d12            | 15017 | 21.174    |        |     |            |           |
| 1520-96-3                 | Perylene-d12            | 15169 | 23.361    |        |     |            |           |

## Report of Analysis

|                    |                |                 |                      |
|--------------------|----------------|-----------------|----------------------|
| Client:            |                | Date Collected: | 8/8/2024 12:00:00 AM |
| Project:           |                | Date Received:  | 8/8/2024 12:00:00 AM |
| Client Sample ID:  | PB162593BS     | SDG No.:        | BN080924             |
| Lab Sample ID:     | PB162593BS     | 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 |
| BN033313.D        | 1         | 8/8/2024 12:00:00 AM | 8/9/2024 12:00:00 AM | PB162593      |

| CAS Number     | Parameter                  | Conc. | Qualifier | MDL  | LOD | LOQ / CRQL | Units |
|----------------|----------------------------|-------|-----------|------|-----|------------|-------|
| <b>TARGETS</b> |                            |       |           |      |     |            |       |
| 62-75-9        | n-Nitrosodimethylamine     | 0.43  |           | 0.03 | 0.2 | 0.2        | ug/L  |
| 111-44-4       | bis(2-Chloroethyl)ether    | 0.39  |           | 0.03 | 0.1 | 0.1        | ug/L  |
| 91-20-3        | Naphthalene                | 0.41  |           | 0.02 | 0.1 | 0.1        | ug/L  |
| 87-68-3        | Hexachlorobutadiene        | 0.44  |           | 0.03 | 0.1 | 0.1        | ug/L  |
| 91-57-6        | 2-Methylnaphthalene        | 0.39  |           | 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               | 0.43  |           | 0.02 | 0.1 | 0.1        | ug/L  |
| Total PAH      | Total PAH                  | 6.41  |           | 0.45 | 0.1 | 1.6        | ug/L  |
| 86-73-7        | Fluorene                   | 0.42  |           | 0.02 | 0.1 | 0.1        | ug/L  |
| 534-52-1       | 4,6-Dinitro-2-methylphenol | 0.52  |           | 0.14 | 0.2 | 0.2        | ug/L  |
| 101-55-3       | 4-Bromophenyl-phenylether  | 0.41  |           | 0.03 | 0.1 | 0.1        | ug/L  |
| 118-74-1       | Hexachlorobenzene          | 0.44  |           | 0.03 | 0.1 | 0.1        | ug/L  |
| 1912-24-9      | Atrazine                   | 0.32  |           | 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               | 0.41  |           | 0.02 | 0.1 | 0.1        | ug/L  |
| 120-12-7       | Anthracene                 | 0.36  |           | 0.02 | 0.1 | 0.1        | ug/L  |
| 206-44-0       | Fluoranthene               | 0.39  |           | 0.02 | 0.1 | 0.1        | ug/L  |
| 129-00-0       | Pyrene                     | 0.43  |           | 0.02 | 0.1 | 0.1        | ug/L  |
| 56-55-3        | Benzo(a)anthracene         | 0.37  |           | 0.02 | 0.1 | 0.1        | ug/L  |
| 218-01-9       | Chrysene                   | 0.43  |           | 0.03 | 0.1 | 0.1        | ug/L  |
| 117-81-7       | Bis(2-ethylhexyl)phthalate | 0.27  |           | 0.14 | 0.2 | 0.2        | ug/L  |
| 205-99-2       | Benzo(b)fluoranthene       | 0.4   |           | 0.03 | 0.1 | 0.1        | ug/L  |
| 207-08-9       | Benzo(k)fluoranthene       | 0.44  |           | 0.03 | 0.1 | 0.1        | ug/L  |
| 50-32-8        | Benzo(a)pyrene             | 0.37  |           | 0.06 | 0.1 | 0.1        | ug/L  |
| 193-39-5       | Indeno(1,2,3-cd)pyrene     | 0.38  |           | 0.04 | 0.1 | 0.1        | ug/L  |
| 53-70-3        | Dibenzo(a,h)anthracene     | 0.38  |           | 0.04 | 0.1 | 0.1        | ug/L  |
| 191-24-2       | Benzo(g,h,i)perylene       | 0.4   |           | 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: | 8/8/2024 12:00:00 AM |
| Project:           |                        | Date Received:  | 8/8/2024 12:00:00 AM |
| Client Sample ID:  | PB162593BS             | SDG No.:        | BN080924             |
| Lab Sample ID:     | PB162593BS             | 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 |
| BN033313.D        | 1         | 8/8/2024 12:00:00 AM | 8/9/2024 12:00:00 AM | PB162593      |

| CAS Number                | Parameter               | Conc. | Qualifier | MDL    | LOD | LOQ / CRQL | Units     |
|---------------------------|-------------------------|-------|-----------|--------|-----|------------|-----------|
| <b>SURROGATES</b>         |                         |       |           |        |     |            |           |
| 7297-45-2                 | 2-Methylnaphthalene-d10 | 0.374 |           | 30-150 |     | 94         | SPK: -0.4 |
| 93951-69-0                | Fluoranthene-d10        | 0.364 |           | 30-150 |     | 91         | SPK: -0.4 |
| 367-12-4                  | 2-Fluorophenol          | 0.342 |           | 10-92  |     | 86         | SPK: -0.4 |
| 13127-88-3                | Phenol-d6               | 0.34  |           | 10-100 |     | 85         | SPK: -0.4 |
| 4165-60-0                 | Nitrobenzene-d5         | 0.431 |           | 11-175 |     | 108        | SPK: -0.4 |
| 321-60-8                  | 2-Fluorobiphenyl        | 0.454 |           | 10-175 |     | 113        | SPK: -0.4 |
| 118-79-6                  | 2,4,6-Tribromophenol    | 0.343 |           | 24-148 |     | 86         | SPK: -0.4 |
| 1718-51-0                 | Terphenyl-d14           | 0.392 |           | 54-171 |     | 98         | SPK: -0.4 |
| <b>INTERNAL STANDARDS</b> |                         |       |           |        |     |            |           |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4  | 3827  | 7.587     |        |     |            |           |
| 1146-65-2                 | Naphthalene-d8          | 10696 | 10.349    |        |     |            |           |
| 15067-26-2                | Acenaphthene-d10        | 5951  | 14.223    |        |     |            |           |
| 1517-22-2                 | Phenanthrene-d10        | 14275 | 16.97     |        |     |            |           |
| 1719-03-5                 | Chrysene-d12            | 12386 | 21.174    |        |     |            |           |
| 1520-96-3                 | Perylene-d12            | 13252 | 23.363    |        |     |            |           |

## Report of Analysis

|                    |                |                 |                      |
|--------------------|----------------|-----------------|----------------------|
| Client:            |                | Date Collected: | 8/8/2024 12:00:00 AM |
| Project:           |                | Date Received:  | 8/8/2024 12:00:00 AM |
| Client Sample ID:  | PB162593BSD    | SDG No.:        | BN080924             |
| Lab Sample ID:     | PB162593BSD    | 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 |
| BN033314.D        | 1         | 8/8/2024 12:00:00 AM | 8/9/2024 12:00:00 AM | PB162593      |

| CAS Number     | Parameter                  | Conc. | Qualifier | MDL  | LOD | LOQ / CRQL | Units |
|----------------|----------------------------|-------|-----------|------|-----|------------|-------|
| <b>TARGETS</b> |                            |       |           |      |     |            |       |
| 62-75-9        | n-Nitrosodimethylamine     | 0.42  |           | 0.03 | 0.2 | 0.2        | ug/L  |
| 111-44-4       | bis(2-Chloroethyl)ether    | 0.39  |           | 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        | 0.44  |           | 0.03 | 0.1 | 0.1        | ug/L  |
| 91-57-6        | 2-Methylnaphthalene        | 0.38  |           | 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                  | 6.38  |           | 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 | 0.53  |           | 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          | 0.45  |           | 0.03 | 0.1 | 0.1        | ug/L  |
| 1912-24-9      | Atrazine                   | 0.32  |           | 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               | 0.42  |           | 0.02 | 0.1 | 0.1        | ug/L  |
| 120-12-7       | Anthracene                 | 0.36  |           | 0.02 | 0.1 | 0.1        | ug/L  |
| 206-44-0       | Fluoranthene               | 0.39  |           | 0.02 | 0.1 | 0.1        | ug/L  |
| 129-00-0       | Pyrene                     | 0.43  |           | 0.02 | 0.1 | 0.1        | ug/L  |
| 56-55-3        | Benzo(a)anthracene         | 0.38  |           | 0.02 | 0.1 | 0.1        | ug/L  |
| 218-01-9       | Chrysene                   | 0.43  |           | 0.03 | 0.1 | 0.1        | ug/L  |
| 117-81-7       | Bis(2-ethylhexyl)phthalate | 0.28  |           | 0.14 | 0.2 | 0.2        | ug/L  |
| 205-99-2       | Benzo(b)fluoranthene       | 0.41  |           | 0.03 | 0.1 | 0.1        | ug/L  |
| 207-08-9       | Benzo(k)fluoranthene       | 0.44  |           | 0.03 | 0.1 | 0.1        | ug/L  |
| 50-32-8        | Benzo(a)pyrene             | 0.37  |           | 0.06 | 0.1 | 0.1        | ug/L  |
| 193-39-5       | Indeno(1,2,3-cd)pyrene     | 0.37  |           | 0.04 | 0.1 | 0.1        | ug/L  |
| 53-70-3        | Dibenzo(a,h)anthracene     | 0.37  |           | 0.04 | 0.1 | 0.1        | ug/L  |
| 191-24-2       | Benzo(g,h,i)perylene       | 0.39  |           | 0.04 | 0.1 | 0.1        | ug/L  |
| 123-91-1       | 1,4-Dioxane                | 0.42  |           | 0.07 | 0.2 | 0.2        | ug/L  |

## Report of Analysis

|                    |                        |                 |                      |
|--------------------|------------------------|-----------------|----------------------|
| Client:            |                        | Date Collected: | 8/8/2024 12:00:00 AM |
| Project:           |                        | Date Received:  | 8/8/2024 12:00:00 AM |
| Client Sample ID:  | PB162593BSD            | SDG No.:        | BN080924             |
| Lab Sample ID:     | PB162593BSD            | 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 |
| BN033314.D        | 1         | 8/8/2024 12:00:00 AM | 8/9/2024 12:00:00 AM | PB162593      |

| CAS Number                | Parameter               | Conc. | Qualifier | MDL    | LOD | LOQ / CRQL | Units     |
|---------------------------|-------------------------|-------|-----------|--------|-----|------------|-----------|
| <b>SURROGATES</b>         |                         |       |           |        |     |            |           |
| 7297-45-2                 | 2-Methylnaphthalene-d10 | 0.37  |           | 30-150 |     | 93         | SPK: -0.4 |
| 93951-69-0                | Fluoranthene-d10        | 0.362 |           | 30-150 |     | 90         | SPK: -0.4 |
| 367-12-4                  | 2-Fluorophenol          | 0.342 |           | 10-92  |     | 86         | SPK: -0.4 |
| 13127-88-3                | Phenol-d6               | 0.337 |           | 10-100 |     | 84         | SPK: -0.4 |
| 4165-60-0                 | Nitrobenzene-d5         | 0.432 |           | 11-175 |     | 108        | SPK: -0.4 |
| 321-60-8                  | 2-Fluorobiphenyl        | 0.452 |           | 10-175 |     | 113        | SPK: -0.4 |
| 118-79-6                  | 2,4,6-Tribromophenol    | 0.335 |           | 24-148 |     | 84         | SPK: -0.4 |
| 1718-51-0                 | Terphenyl-d14           | 0.393 |           | 54-171 |     | 98         | SPK: -0.4 |
| <b>INTERNAL STANDARDS</b> |                         |       |           |        |     |            |           |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4  | 4090  | 7.587     |        |     |            |           |
| 1146-65-2                 | Naphthalene-d8          | 11363 | 10.349    |        |     |            |           |
| 15067-26-2                | Acenaphthene-d10        | 6273  | 14.212    |        |     |            |           |
| 1517-22-2                 | Phenanthrene-d10        | 14647 | 16.971    |        |     |            |           |
| 1719-03-5                 | Chrysene-d12            | 12424 | 21.175    |        |     |            |           |
| 1520-96-3                 | Perylene-d12            | 13057 | 23.364    |        |     |            |           |

## Report of Analysis

|                    |                        |                 |                      |
|--------------------|------------------------|-----------------|----------------------|
| Client:            |                        | Date Collected: | 8/7/2024 12:00:00 AM |
| Project:           |                        | Date Received:  | 8/7/2024 12:00:00 AM |
| Client Sample ID:  | GWBR-05-459-475-080724 | SDG No.:        | BN080924             |
| Lab Sample ID:     | P3514-01               | Matrix:         | Water                |
| Analytical Method: | 8270-Modified          | % Moisture:     | 100                  |
| Sample Wt/Vol:     | 890 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 |
| BN033315.D        | 1         | 8/8/2024 12:00:00 AM | 8/9/2024 12:00:00 AM | PB162593      |

| CAS Number     | Parameter                  | Conc. | Qualifier | MDL  | LOD  | LOQ / CRQL | Units |
|----------------|----------------------------|-------|-----------|------|------|------------|-------|
| <b>TARGETS</b> |                            |       |           |      |      |            |       |
| 62-75-9        | n-Nitrosodimethylamine     | 0.03  | U         | 0.03 | 0.22 | 0.22       | 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                  | 0.5   | U         | 0.5  | 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 | 0.16  | U         | 0.16 | 0.22 | 0.22       | 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                   | 0.03  | U         | 0.03 | 0.11 | 0.11       | ug/L  |
| 87-86-5        | Pentachlorophenol          | 0.1   | U         | 0.1  | 0.22 | 0.22       | 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               | 0.03  | U         | 0.03 | 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 | 0.16  | U         | 0.16 | 0.22 | 0.22       | ug/L  |
| 205-99-2       | Benzo(b)fluoranthene       | 0.04  | U         | 0.04 | 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                | 0.47  |           | 0.08 | 0.22 | 0.22       | ug/L  |

## Report of Analysis

|                    |                        |                 |                      |
|--------------------|------------------------|-----------------|----------------------|
| Client:            |                        | Date Collected: | 8/7/2024 12:00:00 AM |
| Project:           |                        | Date Received:  | 8/7/2024 12:00:00 AM |
| Client Sample ID:  | GWBR-05-459-475-080724 | SDG No.:        | BN080924             |
| Lab Sample ID:     | P3514-01               | Matrix:         | Water                |
| Analytical Method: | 8270-Modified          | % Moisture:     | 100                  |
| Sample Wt/Vol:     | 890      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 |
| BN033315.D        | 1         | 8/8/2024 12:00:00 AM | 8/9/2024 12:00:00 AM | PB162593      |

| CAS Number                | Parameter               | Conc. | Qualifier | MDL    | LOD | LOQ / CRQL | Units     |
|---------------------------|-------------------------|-------|-----------|--------|-----|------------|-----------|
| <b>SURROGATES</b>         |                         |       |           |        |     |            |           |
| 7297-45-2                 | 2-Methylnaphthalene-d10 | 0.363 |           | 30-150 |     | 91         | SPK: -0.4 |
| 93951-69-0                | Fluoranthene-d10        | 0.422 |           | 30-150 |     | 105        | SPK: -0.4 |
| 367-12-4                  | 2-Fluorophenol          | 0.158 |           | 10-92  |     | 40         | SPK: -0.4 |
| 13127-88-3                | Phenol-d6               | 0.101 |           | 10-100 |     | 25         | SPK: -0.4 |
| 4165-60-0                 | Nitrobenzene-d5         | 0.417 |           | 11-175 |     | 104        | SPK: -0.4 |
| 321-60-8                  | 2-Fluorobiphenyl        | 0.468 |           | 10-175 |     | 117        | SPK: -0.4 |
| 118-79-6                  | 2,4,6-Tribromophenol    | 0.38  |           | 24-148 |     | 95         | SPK: -0.4 |
| 1718-51-0                 | Terphenyl-d14           | 0.502 |           | 54-171 |     | 125        | SPK: -0.4 |
| <b>INTERNAL STANDARDS</b> |                         |       |           |        |     |            |           |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4  | 4025  | 7.587     |        |     |            |           |
| 1146-65-2                 | Naphthalene-d8          | 11201 | 10.349    |        |     |            |           |
| 15067-26-2                | Acenaphthene-d10        | 6150  | 14.223    |        |     |            |           |
| 1517-22-2                 | Phenanthrene-d10        | 15199 | 16.971    |        |     |            |           |
| 1719-03-5                 | Chrysene-d12            | 15723 | 21.175    |        |     |            |           |
| 1520-96-3                 | Perylene-d12            | 19416 | 23.361    |        |     |            |           |

## 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:  | TT189D2-HYD-20240806 | SDG No.:        | BN080924             |
| Lab Sample ID:     | P3515-02             | Matrix:         | Water                |
| Analytical Method: | 8270-Modified        | % Moisture:     | 100                  |
| Sample Wt/Vol:     | 970                  | Units:          | mL                   |
| 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 |
| BN033316.D        | 1         | 8/8/2024 12:00:00 AM | 8/9/2024 12:00:00 AM | PB162593      |

| 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  | J         | 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               | 0.03  | J         | 0.02 | 0.1  | 0.1        | ug/L  |
| 129-00-0       | Pyrene                     | 0.03  | J         | 0.02 | 0.1  | 0.1        | ug/L  |
| 56-55-3        | Benzo(a)anthracene         | 0.03  | J         | 0.02 | 0.1  | 0.1        | ug/L  |
| 218-01-9       | Chrysene                   | 0.03  | J         | 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       | 0.04  | J         | 0.03 | 0.1  | 0.1        | ug/L  |
| 207-08-9       | Benzo(k)fluoranthene       | 0.04  | J         | 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                | 0.82  |           | 0.07 | 0.21 | 0.21       | ug/L  |

## 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:  | TT189D2-HYD-20240806  | SDG No.:        | BN080924             |
| Lab Sample ID:     | P3515-02              | 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 |
| BN033316.D        | 1         | 8/8/2024 12:00:00 AM | 8/9/2024 12:00:00 AM | PB162593      |

| CAS Number                | Parameter               | Conc. | Qualifier | MDL    | LOD | LOQ / CRQL | Units     |
|---------------------------|-------------------------|-------|-----------|--------|-----|------------|-----------|
| <b>SURROGATES</b>         |                         |       |           |        |     |            |           |
| 7297-45-2                 | 2-Methylnaphthalene-d10 | 0.002 | *         | 30-150 |     | 1          | SPK: -0.4 |
| 93951-69-0                | Fluoranthene-d10        | 0.176 |           | 30-150 |     | 44         | SPK: -0.4 |
| 367-12-4                  | 2-Fluorophenol          | 0.018 | *         | 10-92  |     | 4          | SPK: -0.4 |
| 13127-88-3                | Phenol-d6               | 0.002 | *         | 10-100 |     | 1          | SPK: -0.4 |
| 4165-60-0                 | Nitrobenzene-d5         | 0.436 |           | 11-175 |     | 109        | SPK: -0.4 |
| 321-60-8                  | 2-Fluorobiphenyl        | 0.463 |           | 10-175 |     | 116        | SPK: -0.4 |
| 118-79-6                  | 2,4,6-Tribromophenol    | 0.191 |           | 24-148 |     | 48         | SPK: -0.4 |
| 1718-51-0                 | Terphenyl-d14           | 0.491 |           | 54-171 |     | 123        | SPK: -0.4 |
| <b>INTERNAL STANDARDS</b> |                         |       |           |        |     |            |           |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4  | 4596  | 7.587     |        |     |            |           |
| 1146-65-2                 | Naphthalene-d8          | 12652 | 10.349    |        |     |            |           |
| 15067-26-2                | Acenaphthene-d10        | 6966  | 14.212    |        |     |            |           |
| 1517-22-2                 | Phenanthrene-d10        | 16671 | 16.971    |        |     |            |           |
| 1719-03-5                 | Chrysene-d12            | 15314 | 21.175    |        |     |            |           |
| 1520-96-3                 | Perylene-d12            | 15443 | 23.358    |        |     |            |           |

## 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:  | BPOW6-7-HYD-20240806 | SDG No.:        | BN080924             |
| Lab Sample ID:     | P3515-03             | 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 |
| BN033317.D        | 1         | 8/8/2024 12:00:00 AM | 8/9/2024 12:00:00 AM | PB162593      |

| 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: | 8/6/2024 12:00:00 AM |
| Project:           |                      | Date Received:  | 8/6/2024 12:00:00 AM |
| Client Sample ID:  | BPOW6-7-HYD-20240806 | SDG No.:        | BN080924             |
| Lab Sample ID:     | P3515-03             | 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 |
| BN033317.D        | 1         | 8/8/2024 12:00:00 AM | 8/9/2024 12:00:00 AM | PB162593      |

| CAS Number                | Parameter               | Conc. | Qualifier | MDL    | LOD | LOQ / CRQL | Units     |
|---------------------------|-------------------------|-------|-----------|--------|-----|------------|-----------|
| <b>SURROGATES</b>         |                         |       |           |        |     |            |           |
| 7297-45-2                 | 2-Methylnaphthalene-d10 | 0.007 | *         | 30-150 |     | 2          | SPK: -0.4 |
| 93951-69-0                | Fluoranthene-d10        | 0.27  |           | 30-150 |     | 68         | SPK: -0.4 |
| 367-12-4                  | 2-Fluorophenol          | 0.067 |           | 10-92  |     | 17         | SPK: -0.4 |
| 13127-88-3                | Phenol-d6               | 0.001 | *         | 10-100 |     | 0          | SPK: -0.4 |
| 4165-60-0                 | Nitrobenzene-d5         | 0.363 |           | 11-175 |     | 91         | SPK: -0.4 |
| 321-60-8                  | 2-Fluorobiphenyl        | 0.378 |           | 10-175 |     | 94         | SPK: -0.4 |
| 118-79-6                  | 2,4,6-Tribromophenol    | 0.255 |           | 24-148 |     | 64         | SPK: -0.4 |
| 1718-51-0                 | Terphenyl-d14           | 0.442 |           | 54-171 |     | 111        | SPK: -0.4 |
| <b>INTERNAL STANDARDS</b> |                         |       |           |        |     |            |           |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4  | 5082  | 7.587     |        |     |            |           |
| 1146-65-2                 | Naphthalene-d8          | 14094 | 10.349    |        |     |            |           |
| 15067-26-2                | Acenaphthene-d10        | 7724  | 14.212    |        |     |            |           |
| 1517-22-2                 | Phenanthrene-d10        | 18399 | 16.971    |        |     |            |           |
| 1719-03-5                 | Chrysene-d12            | 15980 | 21.174    |        |     |            |           |
| 1520-96-3                 | Perylene-d12            | 15462 | 23.361    |        |     |            |           |

## 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:  | TT189D2-HYD-20240806RE | SDG No.:        | BN080924             |
| Lab Sample ID:     | P3515-02RE             | 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 |
| BN033318.D        | 1         | 8/8/2024 12:00:00 AM | 8/9/2024 12:00:00 AM | PB162593      |

| 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  | J         | 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  | J         | 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               | 0.03  | J         | 0.02 | 0.1  | 0.1        | ug/L  |
| 129-00-0       | Pyrene                     | 0.03  | J         | 0.02 | 0.1  | 0.1        | ug/L  |
| 56-55-3        | Benzo(a)anthracene         | 0.03  | J         | 0.02 | 0.1  | 0.1        | ug/L  |
| 218-01-9       | Chrysene                   | 0.04  | J         | 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       | 0.05  | J         | 0.03 | 0.1  | 0.1        | ug/L  |
| 207-08-9       | Benzo(k)fluoranthene       | 0.04  | J         | 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  | J         | 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  | J         | 0.04 | 0.1  | 0.1        | ug/L  |
| 123-91-1       | 1,4-Dioxane                | 0.81  |           | 0.07 | 0.21 | 0.21       | ug/L  |

## 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:  | TT189D2-HYD-20240806RE | SDG No.:        | BN080924             |
| Lab Sample ID:     | P3515-02RE             | 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 |
| BN033318.D        | 1         | 8/8/2024 12:00:00 AM | 8/9/2024 12:00:00 AM | PB162593      |

| CAS Number                | Parameter               | Conc. | Qualifier | MDL    | LOD | LOQ / CRQL | Units     |
|---------------------------|-------------------------|-------|-----------|--------|-----|------------|-----------|
| <b>SURROGATES</b>         |                         |       |           |        |     |            |           |
| 7297-45-2                 | 2-Methylnaphthalene-d10 | 0     | U         | 30-150 |     | 0          | SPK: -0.4 |
| 93951-69-0                | Fluoranthene-d10        | 0.167 |           | 30-150 |     | 42         | SPK: -0.4 |
| 367-12-4                  | 2-Fluorophenol          | 0.017 | *         | 10-92  |     | 4          | SPK: -0.4 |
| 13127-88-3                | Phenol-d6               | 0.001 | *         | 10-100 |     | 0          | SPK: -0.4 |
| 4165-60-0                 | Nitrobenzene-d5         | 0.447 |           | 11-175 |     | 112        | SPK: -0.4 |
| 321-60-8                  | 2-Fluorobiphenyl        | 0.463 |           | 10-175 |     | 116        | SPK: -0.4 |
| 118-79-6                  | 2,4,6-Tribromophenol    | 0.179 |           | 24-148 |     | 45         | SPK: -0.4 |
| 1718-51-0                 | Terphenyl-d14           | 0.498 |           | 54-171 |     | 125        | SPK: -0.4 |
| <b>INTERNAL STANDARDS</b> |                         |       |           |        |     |            |           |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4  | 4512  | 7.58      |        |     |            |           |
| 1146-65-2                 | Naphthalene-d8          | 12206 | 10.349    |        |     |            |           |
| 15067-26-2                | Acenaphthene-d10        | 6624  | 14.212    |        |     |            |           |
| 1517-22-2                 | Phenanthrene-d10        | 15760 | 16.971    |        |     |            |           |
| 1719-03-5                 | Chrysene-d12            | 13557 | 21.175    |        |     |            |           |
| 1520-96-3                 | Perylene-d12            | 12553 | 23.364    |        |     |            |           |

## 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:  | BPOW6-7-HYD-20240806RE | SDG No.:        | BN080924             |
| Lab Sample ID:     | P3515-03RE             | 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 |
| BN033319.D        | 1         | 8/8/2024 12:00:00 AM | 8/9/2024 12:00:00 AM | PB162593      |

| 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: | 8/6/2024 12:00:00 AM |
| Project:           |                        | Date Received:  | 8/6/2024 12:00:00 AM |
| Client Sample ID:  | BPOW6-7-HYD-20240806RE | SDG No.:        | BN080924             |
| Lab Sample ID:     | P3515-03RE             | 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 |
| BN033319.D        | 1         | 8/8/2024 12:00:00 AM | 8/9/2024 12:00:00 AM | PB162593      |

| CAS Number                | Parameter               | Conc. | Qualifier | MDL    | LOD | LOQ / CRQL | Units     |
|---------------------------|-------------------------|-------|-----------|--------|-----|------------|-----------|
| <b>SURROGATES</b>         |                         |       |           |        |     |            |           |
| 7297-45-2                 | 2-Methylnaphthalene-d10 | 0.006 | *         | 30-150 |     | 1          | SPK: -0.4 |
| 93951-69-0                | Fluoranthene-d10        | 0.269 |           | 30-150 |     | 67         | SPK: -0.4 |
| 367-12-4                  | 2-Fluorophenol          | 0.062 |           | 10-92  |     | 16         | SPK: -0.4 |
| 13127-88-3                | Phenol-d6               | 0.001 | *         | 10-100 |     | 0          | SPK: -0.4 |
| 4165-60-0                 | Nitrobenzene-d5         | 0.374 |           | 11-175 |     | 94         | SPK: -0.4 |
| 321-60-8                  | 2-Fluorobiphenyl        | 0.385 |           | 10-175 |     | 96         | SPK: -0.4 |
| 118-79-6                  | 2,4,6-Tribromophenol    | 0.254 |           | 24-148 |     | 63         | SPK: -0.4 |
| 1718-51-0                 | Terphenyl-d14           | 0.441 |           | 54-171 |     | 110        | SPK: -0.4 |
| <b>INTERNAL STANDARDS</b> |                         |       |           |        |     |            |           |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4  | 4542  | 7.587     |        |     |            |           |
| 1146-65-2                 | Naphthalene-d8          | 12275 | 10.348    |        |     |            |           |
| 15067-26-2                | Acenaphthene-d10        | 6616  | 14.212    |        |     |            |           |
| 1517-22-2                 | Phenanthrene-d10        | 15748 | 16.97     |        |     |            |           |
| 1719-03-5                 | Chrysene-d12            | 13503 | 21.174    |        |     |            |           |
| 1520-96-3                 | Perylene-d12            | 12099 | 23.361    |        |     |            |           |

## Report of Analysis

|                    |                        |                 |                      |
|--------------------|------------------------|-----------------|----------------------|
| Client:            |                        | Date Collected: | 8/9/2024 12:00:00 AM |
| Project:           |                        | Date Received:  | 8/9/2024 12:00:00 AM |
| Client Sample ID:  | PB162604BL             | SDG No.:        | BN080924             |
| Lab Sample ID:     | PB162604BL             | 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 |
| BN033323.D        | 1         | 8/9/2024 12:00:00 AM | 8/9/2024 12:00:00 AM | PB162604      |

| 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: | 8/9/2024 12:00:00 AM |
| Project:           |                     | Date Received:  | 8/9/2024 12:00:00 AM |
| Client Sample ID:  | PB162604BL          | SDG No.:        | BN080924             |
| Lab Sample ID:     | PB162604BL          | 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 |
| BN033323.D        | 1         | 8/9/2024 12:00:00 AM | 8/9/2024 12:00:00 AM | PB162604      |

| CAS Number                | Parameter               | Conc. | Qualifier | MDL    | LOD | LOQ / CRQL | Units     |
|---------------------------|-------------------------|-------|-----------|--------|-----|------------|-----------|
| <b>SURROGATES</b>         |                         |       |           |        |     |            |           |
| 7297-45-2                 | 2-Methylnaphthalene-d10 | 0.357 |           | 21-128 |     | 89         | SPK: -0.4 |
| 93951-69-0                | Fluoranthene-d10        | 0.365 |           | 13-127 |     | 91         | SPK: -0.4 |
| 367-12-4                  | 2-Fluorophenol          | 0.358 |           | 28-122 |     | 90         | SPK: -0.4 |
| 13127-88-3                | Phenol-d6               | 0.351 |           | 12-126 |     | 88         | SPK: -0.4 |
| 4165-60-0                 | Nitrobenzene-d5         | 0.434 |           | 14-112 |     | 108        | SPK: -0.4 |
| 321-60-8                  | 2-Fluorobiphenyl        | 0.453 |           | 22-114 |     | 113        | SPK: -0.4 |
| 118-79-6                  | 2,4,6-Tribromophenol    | 0.243 |           | 10-137 |     | 61         | SPK: -0.4 |
| 1718-51-0                 | Terphenyl-d14           | 0.466 |           | 21-130 |     | 116        | SPK: -0.4 |
| <b>INTERNAL STANDARDS</b> |                         |       |           |        |     |            |           |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4  | 3778  | 7.587     |        |     |            |           |
| 1146-65-2                 | Naphthalene-d8          | 9973  | 10.349    |        |     |            |           |
| 15067-26-2                | Acenaphthene-d10        | 5053  | 14.212    |        |     |            |           |
| 1517-22-2                 | Phenanthrene-d10        | 13034 | 16.971    |        |     |            |           |
| 1719-03-5                 | Chrysene-d12            | 10601 | 21.174    |        |     |            |           |
| 1520-96-3                 | Perylene-d12            | 10624 | 23.358    |        |     |            |           |

## Report of Analysis

|                    |                        |                 |                      |
|--------------------|------------------------|-----------------|----------------------|
| Client:            |                        | Date Collected: | 8/9/2024 12:00:00 AM |
| Project:           |                        | Date Received:  | 8/9/2024 12:00:00 AM |
| Client Sample ID:  | PB162604BS             | SDG No.:        | BN080924             |
| Lab Sample ID:     | PB162604BS             | Matrix:         | Solid                |
| Analytical Method: | 8270-Modified          | % Moisture:     | 0                    |
| Sample Wt/Vol:     | 30.02      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 |
| BN033324.D        | 1         | 8/9/2024 12:00:00 AM | 8/9/2024 12:00:00 AM | PB162604      |

| CAS Number     | Parameter                  | Conc. | Qualifier | MDL   | LOD | LOQ / CRQL | Units |
|----------------|----------------------------|-------|-----------|-------|-----|------------|-------|
| <b>TARGETS</b> |                            |       |           |       |     |            |       |
| 62-75-9        | n-Nitrosodimethylamine     | 14.5  |           | 1.3   | 6.6 | 6.6        | ug/Kg |
| 111-44-4       | bis(2-Chloroethyl)ether    | 13    |           | 0.85  | 3.3 | 3.3        | ug/Kg |
| 91-20-3        | Naphthalene                | 13.6  |           | 0.69  | 3.3 | 3.3        | ug/Kg |
| 87-68-3        | Hexachlorobutadiene        | 14.7  |           | 0.69  | 3.3 | 3.3        | ug/Kg |
| 91-57-6        | 2-Methylnaphthalene        | 12.9  |           | 0.8   | 3.3 | 3.3        | ug/Kg |
| 208-96-8       | Acenaphthylene             | 13    |           | 0.63  | 3.3 | 3.3        | ug/Kg |
| 83-32-9        | Acenaphthene               | 14.3  |           | 0.55  | 3.3 | 3.3        | ug/Kg |
| Total PAH      | Total PAH                  | 211.5 |           | 14.61 | 3.3 | 52.8       | ug/Kg |
| 86-73-7        | Fluorene                   | 14    |           | 0.6   | 3.3 | 3.3        | ug/Kg |
| 534-52-1       | 4,6-Dinitro-2-methylphenol | 17.3  |           | 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          | 14.8  |           | 0.85  | 3.3 | 3.3        | ug/Kg |
| 1912-24-9      | Atrazine                   | 10.7  |           | 0.76  | 3.3 | 3.3        | ug/Kg |
| 87-86-5        | Pentachlorophenol          | 12.1  |           | 2.8   | 6.6 | 6.6        | ug/Kg |
| 85-01-8        | Phenanthrene               | 13.8  |           | 0.63  | 3.3 | 3.3        | ug/Kg |
| 120-12-7       | Anthracene                 | 12.2  |           | 0.79  | 3.3 | 3.3        | ug/Kg |
| 206-44-0       | Fluoranthene               | 13.1  |           | 0.67  | 3.3 | 3.3        | ug/Kg |
| 129-00-0       | Pyrene                     | 14.4  |           | 0.95  | 3.3 | 3.3        | ug/Kg |
| 56-55-3        | Benzo(a)anthracene         | 12.8  |           | 0.76  | 3.3 | 3.3        | ug/Kg |
| 218-01-9       | Chrysene                   | 14.3  |           | 0.86  | 3.3 | 3.3        | ug/Kg |
| 117-81-7       | Bis(2-ethylhexyl)phthalate | 9.6   |           | 1.5   | 6.6 | 6.6        | ug/Kg |
| 205-99-2       | Benzo(b)fluoranthene       | 13    |           | 1.2   | 3.3 | 3.3        | ug/Kg |
| 207-08-9       | Benzo(k)fluoranthene       | 14.3  |           | 0.98  | 3.3 | 3.3        | ug/Kg |
| 50-32-8        | Benzo(a)pyrene             | 11.7  |           | 1.7   | 3.3 | 3.3        | ug/Kg |
| 193-39-5       | Indeno(1,2,3-cd)pyrene     | 12    |           | 1.3   | 3.3 | 3.3        | ug/Kg |
| 53-70-3        | Dibenzo(a,h)anthracene     | 12.1  |           | 1.2   | 3.3 | 3.3        | ug/Kg |
| 191-24-2       | Benzo(g,h,i)perylene       | 12.9  |           | 1.1   | 3.3 | 3.3        | ug/Kg |
| 123-91-1       | 1,4-Dioxane                | 13.2  |           | 2.2   | 6.6 | 6.6        | ug/Kg |

## Report of Analysis

|                    |                     |                 |                      |
|--------------------|---------------------|-----------------|----------------------|
| Client:            |                     | Date Collected: | 8/9/2024 12:00:00 AM |
| Project:           |                     | Date Received:  | 8/9/2024 12:00:00 AM |
| Client Sample ID:  | PB162604BS          | SDG No.:        | BN080924             |
| Lab Sample ID:     | PB162604BS          | Matrix:         | Solid                |
| Analytical Method: | 8270-Modified       | % Moisture:     | 0                    |
| Sample Wt/Vol:     | 30.02      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 |
| BN033324.D        | 1         | 8/9/2024 12:00:00 AM | 8/9/2024 12:00:00 AM | PB162604      |

| CAS Number                | Parameter               | Conc. | Qualifier | MDL    | LOD | LOQ / CRQL | Units     |
|---------------------------|-------------------------|-------|-----------|--------|-----|------------|-----------|
| <b>SURROGATES</b>         |                         |       |           |        |     |            |           |
| 7297-45-2                 | 2-Methylnaphthalene-d10 | 0.369 |           | 21-128 |     | 92         | SPK: -0.4 |
| 93951-69-0                | Fluoranthene-d10        | 0.365 |           | 13-127 |     | 91         | SPK: -0.4 |
| 367-12-4                  | 2-Fluorophenol          | 0.339 |           | 28-122 |     | 85         | SPK: -0.4 |
| 13127-88-3                | Phenol-d6               | 0.34  |           | 12-126 |     | 85         | SPK: -0.4 |
| 4165-60-0                 | Nitrobenzene-d5         | 0.445 |           | 14-112 |     | 111        | SPK: -0.4 |
| 321-60-8                  | 2-Fluorobiphenyl        | 0.452 |           | 22-114 |     | 113        | SPK: -0.4 |
| 118-79-6                  | 2,4,6-Tribromophenol    | 0.338 |           | 10-137 |     | 84         | SPK: -0.4 |
| 1718-51-0                 | Terphenyl-d14           | 0.389 |           | 21-130 |     | 97         | SPK: -0.4 |
| <b>INTERNAL STANDARDS</b> |                         |       |           |        |     |            |           |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4  | 4048  | 7.587     |        |     |            |           |
| 1146-65-2                 | Naphthalene-d8          | 11253 | 10.349    |        |     |            |           |
| 15067-26-2                | Acenaphthene-d10        | 6201  | 14.212    |        |     |            |           |
| 1517-22-2                 | Phenanthrene-d10        | 14645 | 16.971    |        |     |            |           |
| 1719-03-5                 | Chrysene-d12            | 12628 | 21.174    |        |     |            |           |
| 1520-96-3                 | Perylene-d12            | 14003 | 23.355    |        |     |            |           |

## Report of Analysis

|                    |                        |                 |                      |
|--------------------|------------------------|-----------------|----------------------|
| Client:            |                        | Date Collected: | 8/7/2024 12:00:00 AM |
| Project:           |                        | Date Received:  | 8/7/2024 12:00:00 AM |
| Client Sample ID:  | 927-KI-SD-0-0.5-080724 | SDG No.:        | BN080924             |
| Lab Sample ID:     | P3512-01               | Matrix:         | Solid                |
| Analytical Method: | 8270-Modified          | % Moisture:     | 56.6                 |
| 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 |
| BN033325.D        | 1         | 8/9/2024 12:00:00 AM | 8/9/2024 12:00:00 AM | PB162604      |

| CAS Number     | Parameter                  | Conc. | Qualifier | MDL  | LOD  | LOQ / CRQL | Units |
|----------------|----------------------------|-------|-----------|------|------|------------|-------|
| <b>TARGETS</b> |                            |       |           |      |      |            |       |
| 62-75-9        | n-Nitrosodimethylamine     | 3     | U         | 3    | 15.2 | 15.2       | ug/Kg |
| 111-44-4       | bis(2-Chloroethyl)ether    | 2     | U         | 2    | 7.6  | 7.6        | ug/Kg |
| 91-20-3        | Naphthalene                | 1.6   | U         | 1.6  | 7.6  | 7.6        | ug/Kg |
| 87-68-3        | Hexachlorobutadiene        | 1.6   | U         | 1.6  | 7.6  | 7.6        | ug/Kg |
| 91-57-6        | 2-Methylnaphthalene        | 1.8   | U         | 1.8  | 7.6  | 7.6        | ug/Kg |
| 208-96-8       | Acenaphthylene             | 3.8   | J         | 1.4  | 7.6  | 7.6        | ug/Kg |
| 83-32-9        | Acenaphthene               | 3.7   | J         | 1.3  | 7.6  | 7.6        | ug/Kg |
| Total PAH      | Total PAH                  | 987.6 |           | 33.3 | 7.6  | 121.6      | ug/Kg |
| 86-73-7        | Fluorene                   | 4.4   | J         | 1.4  | 7.6  | 7.6        | ug/Kg |
| 534-52-1       | 4,6-Dinitro-2-methylphenol | 9.8   | U         | 9.8  | 15.2 | 15.2       | ug/Kg |
| 101-55-3       | 4-Bromophenyl-phenylether  | 1.8   | U         | 1.8  | 7.6  | 7.6        | ug/Kg |
| 118-74-1       | Hexachlorobenzene          | 2     | U         | 2    | 7.6  | 7.6        | ug/Kg |
| 1912-24-9      | Atrazine                   | 1.7   | U         | 1.7  | 7.6  | 7.6        | ug/Kg |
| 87-86-5        | Pentachlorophenol          | 6.5   | U         | 6.5  | 15.2 | 15.2       | ug/Kg |
| 85-01-8        | Phenanthrene               | 64.4  |           | 1.4  | 7.6  | 7.6        | ug/Kg |
| 120-12-7       | Anthracene                 | 8.7   |           | 1.8  | 7.6  | 7.6        | ug/Kg |
| 206-44-0       | Fluoranthene               | 180   |           | 1.5  | 7.6  | 7.6        | ug/Kg |
| 129-00-0       | Pyrene                     | 150   |           | 2.2  | 7.6  | 7.6        | ug/Kg |
| 56-55-3        | Benzo(a)anthracene         | 84.8  |           | 1.7  | 7.6  | 7.6        | ug/Kg |
| 218-01-9       | Chrysene                   | 100   |           | 2    | 7.6  | 7.6        | ug/Kg |
| 117-81-7       | Bis(2-ethylhexyl)phthalate | 3.5   | J         | 3.4  | 15.2 | 15.2       | ug/Kg |
| 205-99-2       | Benzo(b)fluoranthene       | 130   |           | 2.7  | 7.6  | 7.6        | ug/Kg |
| 207-08-9       | Benzo(k)fluoranthene       | 49.5  |           | 2.3  | 7.6  | 7.6        | ug/Kg |
| 50-32-8        | Benzo(a)pyrene             | 87.8  |           | 3.8  | 7.6  | 7.6        | ug/Kg |
| 193-39-5       | Indeno(1,2,3-cd)pyrene     | 49    |           | 2.9  | 7.6  | 7.6        | ug/Kg |
| 53-70-3        | Dibenzo(a,h)anthracene     | 12.3  |           | 2.7  | 7.6  | 7.6        | ug/Kg |
| 191-24-2       | Benzo(g,h,i)perylene       | 59.2  |           | 2.6  | 7.6  | 7.6        | ug/Kg |
| 123-91-1       | 1,4-Dioxane                | 5.1   | U         | 5.1  | 15.2 | 15.2       | ug/Kg |

## Report of Analysis

|                    |                        |                 |                      |
|--------------------|------------------------|-----------------|----------------------|
| Client:            |                        | Date Collected: | 8/7/2024 12:00:00 AM |
| Project:           |                        | Date Received:  | 8/7/2024 12:00:00 AM |
| Client Sample ID:  | 927-KI-SD-0-0.5-080724 | SDG No.:        | BN080924             |
| Lab Sample ID:     | P3512-01               | Matrix:         | Solid                |
| Analytical Method: | 8270-Modified          | % Moisture:     | 56.6                 |
| 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 |
| BN033325.D        | 1         | 8/9/2024 12:00:00 AM | 8/9/2024 12:00:00 AM | PB162604      |

| CAS Number                | Parameter               | Conc. | Qualifier | MDL    | LOD | LOQ / CRQL | Units     |
|---------------------------|-------------------------|-------|-----------|--------|-----|------------|-----------|
| <b>SURROGATES</b>         |                         |       |           |        |     |            |           |
| 7297-45-2                 | 2-Methylnaphthalene-d10 | 0.088 |           | 21-128 |     | 22         | SPK: -0.4 |
| 93951-69-0                | Fluoranthene-d10        | 0.064 |           | 13-127 |     | 16         | SPK: -0.4 |
| 367-12-4                  | 2-Fluorophenol          | 0.127 |           | 28-122 |     | 32         | SPK: -0.4 |
| 13127-88-3                | Phenol-d6               | 0.13  |           | 12-126 |     | 32         | SPK: -0.4 |
| 4165-60-0                 | Nitrobenzene-d5         | 0.142 |           | 14-112 |     | 36         | SPK: -0.4 |
| 321-60-8                  | 2-Fluorobiphenyl        | 0.095 |           | 22-114 |     | 24         | SPK: -0.4 |
| 118-79-6                  | 2,4,6-Tribromophenol    | 0.099 |           | 10-137 |     | 25         | SPK: -0.4 |
| 1718-51-0                 | Terphenyl-d14           | 0.062 | *         | 21-130 |     | 16         | SPK: -0.4 |
| <b>INTERNAL STANDARDS</b> |                         |       |           |        |     |            |           |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4  | 4051  | 7.587     |        |     |            |           |
| 1146-65-2                 | Naphthalene-d8          | 11430 | 10.349    |        |     |            |           |
| 15067-26-2                | Acenaphthene-d10        | 6221  | 14.212    |        |     |            |           |
| 1517-22-2                 | Phenanthrene-d10        | 15203 | 16.971    |        |     |            |           |
| 1719-03-5                 | Chrysene-d12            | 14790 | 21.175    |        |     |            |           |
| 1520-96-3                 | Perylene-d12            | 17835 | 23.355    |        |     |            |           |

## Report of Analysis

|                    |                        |                 |                      |
|--------------------|------------------------|-----------------|----------------------|
| Client:            |                        | Date Collected: | 8/7/2024 12:00:00 AM |
| Project:           |                        | Date Received:  | 8/7/2024 12:00:00 AM |
| Client Sample ID:  | 931-KI-SD-0-0.5-080724 | SDG No.:        | BN080924             |
| Lab Sample ID:     | P3512-02               | Matrix:         | Solid                |
| Analytical Method: | 8270-Modified          | % Moisture:     | 22.5                 |
| Sample Wt/Vol:     | 30.09      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 |
| BN033326.D        | 1         | 8/9/2024 12:00:00 AM | 8/9/2024 12:00:00 AM | PB162604      |

| CAS Number     | Parameter                  | Conc. | Qualifier | MDL   | LOD | LOQ / CRQL | Units |
|----------------|----------------------------|-------|-----------|-------|-----|------------|-------|
| <b>TARGETS</b> |                            |       |           |       |     |            |       |
| 62-75-9        | n-Nitrosodimethylamine     | 1.7   | U         | 1.7   | 8.5 | 8.5        | ug/Kg |
| 111-44-4       | bis(2-Chloroethyl)ether    | 1.1   | U         | 1.1   | 4.2 | 4.2        | ug/Kg |
| 91-20-3        | Naphthalene                | 0.89  | U         | 0.89  | 4.2 | 4.2        | ug/Kg |
| 87-68-3        | Hexachlorobutadiene        | 0.89  | U         | 0.89  | 4.2 | 4.2        | ug/Kg |
| 91-57-6        | 2-Methylnaphthalene        | 1     | U         | 1     | 4.2 | 4.2        | ug/Kg |
| 208-96-8       | Acenaphthylene             | 0.81  | U         | 0.81  | 4.2 | 4.2        | ug/Kg |
| 83-32-9        | Acenaphthene               | 0.71  | U         | 0.71  | 4.2 | 4.2        | ug/Kg |
| Total PAH      | Total PAH                  | 50.4  | U         | 18.63 | 4.2 | 67.2       | ug/Kg |
| 86-73-7        | Fluorene                   | 0.77  | U         | 0.77  | 4.2 | 4.2        | ug/Kg |
| 534-52-1       | 4,6-Dinitro-2-methylphenol | 5.5   | U         | 5.5   | 8.5 | 8.5        | ug/Kg |
| 101-55-3       | 4-Bromophenyl-phenylether  | 1     | U         | 1     | 4.2 | 4.2        | ug/Kg |
| 118-74-1       | Hexachlorobenzene          | 1.1   | U         | 1.1   | 4.2 | 4.2        | ug/Kg |
| 1912-24-9      | Atrazine                   | 0.98  | U         | 0.98  | 4.2 | 4.2        | ug/Kg |
| 87-86-5        | Pentachlorophenol          | 3.6   | U         | 3.6   | 8.5 | 8.5        | ug/Kg |
| 85-01-8        | Phenanthrene               | 3.6   | J         | 0.81  | 4.2 | 4.2        | ug/Kg |
| 120-12-7       | Anthracene                 | 1     | U         | 1     | 4.2 | 4.2        | ug/Kg |
| 206-44-0       | Fluoranthene               | 9.6   |           | 0.86  | 4.2 | 4.2        | ug/Kg |
| 129-00-0       | Pyrene                     | 7.9   |           | 1.2   | 4.2 | 4.2        | ug/Kg |
| 56-55-3        | Benzo(a)anthracene         | 3.5   | J         | 0.98  | 4.2 | 4.2        | ug/Kg |
| 218-01-9       | Chrysene                   | 5.3   |           | 1.1   | 4.2 | 4.2        | ug/Kg |
| 117-81-7       | Bis(2-ethylhexyl)phthalate | 1.9   | U         | 1.9   | 8.5 | 8.5        | ug/Kg |
| 205-99-2       | Benzo(b)fluoranthene       | 7.2   |           | 1.5   | 4.2 | 4.2        | ug/Kg |
| 207-08-9       | Benzo(k)fluoranthene       | 2.8   | J         | 1.3   | 4.2 | 4.2        | ug/Kg |
| 50-32-8        | Benzo(a)pyrene             | 4.1   | J         | 2.1   | 4.2 | 4.2        | ug/Kg |
| 193-39-5       | Indeno(1,2,3-cd)pyrene     | 2.7   | J         | 1.6   | 4.2 | 4.2        | ug/Kg |
| 53-70-3        | Dibenzo(a,h)anthracene     | 1.5   | U         | 1.5   | 4.2 | 4.2        | ug/Kg |
| 191-24-2       | Benzo(g,h,i)perylene       | 3.7   | J         | 1.5   | 4.2 | 4.2        | ug/Kg |
| 123-91-1       | 1,4-Dioxane                | 2.9   | U         | 2.9   | 8.5 | 8.5        | ug/Kg |

## Report of Analysis

|                    |                        |                 |                      |
|--------------------|------------------------|-----------------|----------------------|
| Client:            |                        | Date Collected: | 8/7/2024 12:00:00 AM |
| Project:           |                        | Date Received:  | 8/7/2024 12:00:00 AM |
| Client Sample ID:  | 931-KI-SD-0-0.5-080724 | SDG No.:        | BN080924             |
| Lab Sample ID:     | P3512-02               | Matrix:         | Solid                |
| Analytical Method: | 8270-Modified          | % Moisture:     | 22.5                 |
| Sample Wt/Vol:     | 30.09      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 |
| BN033326.D        | 1         | 8/9/2024 12:00:00 AM | 8/9/2024 12:00:00 AM | PB162604      |

| CAS Number                | Parameter               | Conc. | Qualifier | MDL    | LOD | LOQ / CRQL | Units     |
|---------------------------|-------------------------|-------|-----------|--------|-----|------------|-----------|
| <b>SURROGATES</b>         |                         |       |           |        |     |            |           |
| 7297-45-2                 | 2-Methylnaphthalene-d10 | 0.195 |           | 21-128 |     | 49         | SPK: -0.4 |
| 93951-69-0                | Fluoranthene-d10        | 0.174 |           | 13-127 |     | 43         | SPK: -0.4 |
| 367-12-4                  | 2-Fluorophenol          | 0.239 |           | 28-122 |     | 60         | SPK: -0.4 |
| 13127-88-3                | Phenol-d6               | 0.245 |           | 12-126 |     | 61         | SPK: -0.4 |
| 4165-60-0                 | Nitrobenzene-d5         | 0.266 |           | 14-112 |     | 67         | SPK: -0.4 |
| 321-60-8                  | 2-Fluorobiphenyl        | 0.229 |           | 22-114 |     | 57         | SPK: -0.4 |
| 118-79-6                  | 2,4,6-Tribromophenol    | 0.194 |           | 10-137 |     | 49         | SPK: -0.4 |
| 1718-51-0                 | Terphenyl-d14           | 0.183 |           | 21-130 |     | 46         | SPK: -0.4 |
| <b>INTERNAL STANDARDS</b> |                         |       |           |        |     |            |           |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4  | 4202  | 7.587     |        |     |            |           |
| 1146-65-2                 | Naphthalene-d8          | 11866 | 10.349    |        |     |            |           |
| 15067-26-2                | Acenaphthene-d10        | 6523  | 14.212    |        |     |            |           |
| 1517-22-2                 | Phenanthrene-d10        | 15734 | 16.971    |        |     |            |           |
| 1719-03-5                 | Chrysene-d12            | 14597 | 21.174    |        |     |            |           |
| 1520-96-3                 | Perylene-d12            | 17622 | 23.352    |        |     |            |           |

## Report of Analysis

|                    |                           |                 |                      |
|--------------------|---------------------------|-----------------|----------------------|
| Client:            |                           | Date Collected: | 8/7/2024 12:00:00 AM |
| Project:           |                           | Date Received:  | 8/7/2024 12:00:00 AM |
| Client Sample ID:  | 931-KI-SD-0-0.5-080724-SD | SDG No.:        | BN080924             |
| Lab Sample ID:     | P3512-03                  | Matrix:         | Solid                |
| Analytical Method: | 8270-Modified             | % Moisture:     | 30.7                 |
| 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 |
| BN033327.D        | 1         | 8/9/2024 12:00:00 AM | 8/9/2024 12:00:00 AM | PB162604      |

| CAS Number     | Parameter                  | Conc. | Qualifier | MDL   | LOD | LOQ / CRQL | Units |
|----------------|----------------------------|-------|-----------|-------|-----|------------|-------|
| <b>TARGETS</b> |                            |       |           |       |     |            |       |
| 62-75-9        | n-Nitrosodimethylamine     | 1.9   | U         | 1.9   | 9.5 | 9.5        | ug/Kg |
| 111-44-4       | bis(2-Chloroethyl)ether    | 1.2   | U         | 1.2   | 4.8 | 4.8        | ug/Kg |
| 91-20-3        | Naphthalene                | 0.99  | U         | 0.99  | 4.8 | 4.8        | ug/Kg |
| 87-68-3        | Hexachlorobutadiene        | 0.99  | U         | 0.99  | 4.8 | 4.8        | ug/Kg |
| 91-57-6        | 2-Methylnaphthalene        | 1.2   | U         | 1.2   | 4.8 | 4.8        | ug/Kg |
| 208-96-8       | Acenaphthylene             | 0.91  | U         | 0.91  | 4.8 | 4.8        | ug/Kg |
| 83-32-9        | Acenaphthene               | 0.79  | U         | 0.79  | 4.8 | 4.8        | ug/Kg |
| Total PAH      | Total PAH                  | 24    | U         | 20.82 | 4.8 | 76.8       | ug/Kg |
| 86-73-7        | Fluorene                   | 0.86  | U         | 0.86  | 4.8 | 4.8        | ug/Kg |
| 534-52-1       | 4,6-Dinitro-2-methylphenol | 6.1   | U         | 6.1   | 9.5 | 9.5        | ug/Kg |
| 101-55-3       | 4-Bromophenyl-phenylether  | 1.1   | U         | 1.1   | 4.8 | 4.8        | ug/Kg |
| 118-74-1       | Hexachlorobenzene          | 1.2   | U         | 1.2   | 4.8 | 4.8        | ug/Kg |
| 1912-24-9      | Atrazine                   | 1.1   | U         | 1.1   | 4.8 | 4.8        | ug/Kg |
| 87-86-5        | Pentachlorophenol          | 4.1   | U         | 4.1   | 9.5 | 9.5        | ug/Kg |
| 85-01-8        | Phenanthrene               | 2.7   | J         | 0.91  | 4.8 | 4.8        | ug/Kg |
| 120-12-7       | Anthracene                 | 1.1   | U         | 1.1   | 4.8 | 4.8        | ug/Kg |
| 206-44-0       | Fluoranthene               | 5.1   |           | 0.96  | 4.8 | 4.8        | ug/Kg |
| 129-00-0       | Pyrene                     | 4.2   | J         | 1.4   | 4.8 | 4.8        | ug/Kg |
| 56-55-3        | Benzo(a)anthracene         | 1.5   | J         | 1.1   | 4.8 | 4.8        | ug/Kg |
| 218-01-9       | Chrysene                   | 2.9   | J         | 1.2   | 4.8 | 4.8        | ug/Kg |
| 117-81-7       | Bis(2-ethylhexyl)phthalate | 2.1   | U         | 2.1   | 9.5 | 9.5        | ug/Kg |
| 205-99-2       | Benzo(b)fluoranthene       | 4     | J         | 1.7   | 4.8 | 4.8        | ug/Kg |
| 207-08-9       | Benzo(k)fluoranthene       | 1.6   | J         | 1.4   | 4.8 | 4.8        | ug/Kg |
| 50-32-8        | Benzo(a)pyrene             | 2.4   | U         | 2.4   | 4.8 | 4.8        | ug/Kg |
| 193-39-5       | Indeno(1,2,3-cd)pyrene     | 1.8   | U         | 1.8   | 4.8 | 4.8        | ug/Kg |
| 53-70-3        | Dibenzo(a,h)anthracene     | 1.7   | U         | 1.7   | 4.8 | 4.8        | ug/Kg |
| 191-24-2       | Benzo(g,h,i)perylene       | 2     | J         | 1.6   | 4.8 | 4.8        | ug/Kg |
| 123-91-1       | 1,4-Dioxane                | 3.2   | U         | 3.2   | 9.5 | 9.5        | ug/Kg |

## Report of Analysis

|                    |                           |                 |                      |
|--------------------|---------------------------|-----------------|----------------------|
| Client:            |                           | Date Collected: | 8/7/2024 12:00:00 AM |
| Project:           |                           | Date Received:  | 8/7/2024 12:00:00 AM |
| Client Sample ID:  | 931-KI-SD-0-0.5-080724-SD | SDG No.:        | BN080924             |
| Lab Sample ID:     | P3512-03                  | Matrix:         | Solid                |
| Analytical Method: | 8270-Modified             | % Moisture:     | 30.7                 |
| 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 |
| BN033327.D        | 1         | 8/9/2024 12:00:00 AM | 8/9/2024 12:00:00 AM | PB162604      |

| CAS Number                | Parameter               | Conc. | Qualifier | MDL    | LOD | LOQ / CRQL | Units     |
|---------------------------|-------------------------|-------|-----------|--------|-----|------------|-----------|
| <b>SURROGATES</b>         |                         |       |           |        |     |            |           |
| 7297-45-2                 | 2-Methylnaphthalene-d10 | 0.152 |           | 21-128 |     | 38         | SPK: -0.4 |
| 93951-69-0                | Fluoranthene-d10        | 0.133 |           | 13-127 |     | 33         | SPK: -0.4 |
| 367-12-4                  | 2-Fluorophenol          | 0.199 |           | 28-122 |     | 50         | SPK: -0.4 |
| 13127-88-3                | Phenol-d6               | 0.202 |           | 12-126 |     | 50         | SPK: -0.4 |
| 4165-60-0                 | Nitrobenzene-d5         | 0.221 |           | 14-112 |     | 55         | SPK: -0.4 |
| 321-60-8                  | 2-Fluorobiphenyl        | 0.168 |           | 22-114 |     | 42         | SPK: -0.4 |
| 118-79-6                  | 2,4,6-Tribromophenol    | 0.146 |           | 10-137 |     | 36         | SPK: -0.4 |
| 1718-51-0                 | Terphenyl-d14           | 0.139 |           | 21-130 |     | 35         | SPK: -0.4 |
| <b>INTERNAL STANDARDS</b> |                         |       |           |        |     |            |           |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4  | 4750  | 7.587     |        |     |            |           |
| 1146-65-2                 | Naphthalene-d8          | 13594 | 10.349    |        |     |            |           |
| 15067-26-2                | Acenaphthene-d10        | 7620  | 14.212    |        |     |            |           |
| 1517-22-2                 | Phenanthrene-d10        | 18205 | 16.958    |        |     |            |           |
| 1719-03-5                 | Chrysene-d12            | 16552 | 21.175    |        |     |            |           |
| 1520-96-3                 | Perylene-d12            | 19235 | 23.352    |        |     |            |           |

## Report of Analysis

|                    |                          |                 |                      |
|--------------------|--------------------------|-----------------|----------------------|
| Client:            |                          | Date Collected: | 8/7/2024 12:00:00 AM |
| Project:           |                          | Date Received:  | 8/7/2024 12:00:00 AM |
| Client Sample ID:  | 927-KI-SD-0.5-1.0-080724 | SDG No.:        | BN080924             |
| Lab Sample ID:     | P3512-04                 | Matrix:         | Solid                |
| Analytical Method: | 8270-Modified            | % Moisture:     | 28.6                 |
| 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 |
| BN033328.D        | 1         | 8/9/2024 12:00:00 AM | 8/9/2024 12:00:00 AM | PB162604      |

| CAS Number     | Parameter                  | Conc. | Qualifier | MDL   | LOD | LOQ / CRQL | Units |
|----------------|----------------------------|-------|-----------|-------|-----|------------|-------|
| <b>TARGETS</b> |                            |       |           |       |     |            |       |
| 62-75-9        | n-Nitrosodimethylamine     | 1.8   | U         | 1.8   | 9.2 | 9.2        | ug/Kg |
| 111-44-4       | bis(2-Chloroethyl)ether    | 1.2   | U         | 1.2   | 4.6 | 4.6        | ug/Kg |
| 91-20-3        | Naphthalene                | 0.97  | U         | 0.97  | 4.6 | 4.6        | ug/Kg |
| 87-68-3        | Hexachlorobutadiene        | 0.97  | U         | 0.97  | 4.6 | 4.6        | ug/Kg |
| 91-57-6        | 2-Methylnaphthalene        | 1.1   | U         | 1.1   | 4.6 | 4.6        | ug/Kg |
| 208-96-8       | Acenaphthylene             | 1.4   | J         | 0.88  | 4.6 | 4.6        | ug/Kg |
| 83-32-9        | Acenaphthene               | 1.8   | J         | 0.77  | 4.6 | 4.6        | ug/Kg |
| Total PAH      | Total PAH                  | 271.2 |           | 20.38 | 4.6 | 73.6       | ug/Kg |
| 86-73-7        | Fluorene                   | 1.8   | J         | 0.84  | 4.6 | 4.6        | ug/Kg |
| 534-52-1       | 4,6-Dinitro-2-methylphenol | 5.9   | U         | 5.9   | 9.2 | 9.2        | ug/Kg |
| 101-55-3       | 4-Bromophenyl-phenylether  | 1.1   | U         | 1.1   | 4.6 | 4.6        | ug/Kg |
| 118-74-1       | Hexachlorobenzene          | 1.2   | U         | 1.2   | 4.6 | 4.6        | ug/Kg |
| 1912-24-9      | Atrazine                   | 1.1   | U         | 1.1   | 4.6 | 4.6        | ug/Kg |
| 87-86-5        | Pentachlorophenol          | 3.9   | U         | 3.9   | 9.2 | 9.2        | ug/Kg |
| 85-01-8        | Phenanthrene               | 19.6  |           | 0.88  | 4.6 | 4.6        | ug/Kg |
| 120-12-7       | Anthracene                 | 4.9   |           | 1.1   | 4.6 | 4.6        | ug/Kg |
| 206-44-0       | Fluoranthene               | 50.7  |           | 0.94  | 4.6 | 4.6        | ug/Kg |
| 129-00-0       | Pyrene                     | 41.9  |           | 1.3   | 4.6 | 4.6        | ug/Kg |
| 56-55-3        | Benzo(a)anthracene         | 22.3  |           | 1.1   | 4.6 | 4.6        | ug/Kg |
| 218-01-9       | Chrysene                   | 26.2  |           | 1.2   | 4.6 | 4.6        | ug/Kg |
| 117-81-7       | Bis(2-ethylhexyl)phthalate | 2.1   | U         | 2.1   | 9.2 | 9.2        | ug/Kg |
| 205-99-2       | Benzo(b)fluoranthene       | 34    |           | 1.7   | 4.6 | 4.6        | ug/Kg |
| 207-08-9       | Benzo(k)fluoranthene       | 11.7  |           | 1.4   | 4.6 | 4.6        | ug/Kg |
| 50-32-8        | Benzo(a)pyrene             | 23.5  |           | 2.3   | 4.6 | 4.6        | ug/Kg |
| 193-39-5       | Indeno(1,2,3-cd)pyrene     | 12.5  |           | 1.8   | 4.6 | 4.6        | ug/Kg |
| 53-70-3        | Dibenzo(a,h)anthracene     | 3.5   | J         | 1.6   | 4.6 | 4.6        | ug/Kg |
| 191-24-2       | Benzo(g,h,i)perylene       | 15.4  |           | 1.6   | 4.6 | 4.6        | ug/Kg |
| 123-91-1       | 1,4-Dioxane                | 3.1   | U         | 3.1   | 9.2 | 9.2        | ug/Kg |

## Report of Analysis

|                    |                          |                 |                      |
|--------------------|--------------------------|-----------------|----------------------|
| Client:            |                          | Date Collected: | 8/7/2024 12:00:00 AM |
| Project:           |                          | Date Received:  | 8/7/2024 12:00:00 AM |
| Client Sample ID:  | 927-KI-SD-0.5-1.0-080724 | SDG No.:        | BN080924             |
| Lab Sample ID:     | P3512-04                 | Matrix:         | Solid                |
| Analytical Method: | 8270-Modified            | % Moisture:     | 28.6                 |
| 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 |
| BN033328.D        | 1         | 8/9/2024 12:00:00 AM | 8/9/2024 12:00:00 AM | PB162604      |

| CAS Number                | Parameter               | Conc. | Qualifier | MDL    | LOD | LOQ / CRQL | Units     |
|---------------------------|-------------------------|-------|-----------|--------|-----|------------|-----------|
| <b>SURROGATES</b>         |                         |       |           |        |     |            |           |
| 7297-45-2                 | 2-Methylnaphthalene-d10 | 0.206 |           | 21-128 |     | 51         | SPK: -0.4 |
| 93951-69-0                | Fluoranthene-d10        | 0.221 |           | 13-127 |     | 55         | SPK: -0.4 |
| 367-12-4                  | 2-Fluorophenol          | 0.218 |           | 28-122 |     | 54         | SPK: -0.4 |
| 13127-88-3                | Phenol-d6               | 0.231 |           | 12-126 |     | 58         | SPK: -0.4 |
| 4165-60-0                 | Nitrobenzene-d5         | 0.252 |           | 14-112 |     | 63         | SPK: -0.4 |
| 321-60-8                  | 2-Fluorobiphenyl        | 0.233 |           | 22-114 |     | 58         | SPK: -0.4 |
| 118-79-6                  | 2,4,6-Tribromophenol    | 0.203 |           | 10-137 |     | 51         | SPK: -0.4 |
| 1718-51-0                 | Terphenyl-d14           | 0.258 |           | 21-130 |     | 64         | SPK: -0.4 |
| <b>INTERNAL STANDARDS</b> |                         |       |           |        |     |            |           |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4  | 4703  | 7.58      |        |     |            |           |
| 1146-65-2                 | Naphthalene-d8          | 13536 | 10.349    |        |     |            |           |
| 15067-26-2                | Acenaphthene-d10        | 7697  | 14.212    |        |     |            |           |
| 1517-22-2                 | Phenanthrene-d10        | 18787 | 16.971    |        |     |            |           |
| 1719-03-5                 | Chrysene-d12            | 17852 | 21.166    |        |     |            |           |
| 1520-96-3                 | Perylene-d12            | 20644 | 23.355    |        |     |            |           |

## Report of Analysis

|                    |                            |                 |                      |
|--------------------|----------------------------|-----------------|----------------------|
| Client:            |                            | Date Collected: | 8/7/2024 12:00:00 AM |
| Project:           |                            | Date Received:  | 8/7/2024 12:00:00 AM |
| Client Sample ID:  | 927-KI-SD-0.5-1.0-080724MS | SDG No.:        | BN080924             |
| Lab Sample ID:     | P3512-04MS                 | Matrix:         | Solid                |
| Analytical Method: | 8270-Modified              | % Moisture:     | 28.6                 |
| Sample Wt/Vol:     | 30.05      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 |
| BN033329.D        | 1         | 8/9/2024 12:00:00 AM | 8/9/2024 12:00:00 AM | PB162604      |

| CAS Number     | Parameter                  | Conc. | Qualifier | MDL   | LOD | LOQ / CRQL | Units |
|----------------|----------------------------|-------|-----------|-------|-----|------------|-------|
| <b>TARGETS</b> |                            |       |           |       |     |            |       |
| 62-75-9        | n-Nitrosodimethylamine     | 19    |           | 1.8   | 9.2 | 9.2        | ug/Kg |
| 111-44-4       | bis(2-Chloroethyl)ether    | 18.6  |           | 1.2   | 4.6 | 4.6        | ug/Kg |
| 91-20-3        | Naphthalene                | 18.4  |           | 0.96  | 4.6 | 4.6        | ug/Kg |
| 87-68-3        | Hexachlorobutadiene        | 17.8  |           | 0.96  | 4.6 | 4.6        | ug/Kg |
| 91-57-6        | 2-Methylnaphthalene        | 18.5  |           | 1.1   | 4.6 | 4.6        | ug/Kg |
| 208-96-8       | Acenaphthylene             | 19.4  |           | 0.88  | 4.6 | 4.6        | ug/Kg |
| 83-32-9        | Acenaphthene               | 20.6  |           | 0.77  | 4.6 | 4.6        | ug/Kg |
| Total PAH      | Total PAH                  | 546.4 |           | 20.37 | 4.6 | 73.6       | ug/Kg |
| 86-73-7        | Fluorene                   | 20.1  |           | 0.84  | 4.6 | 4.6        | ug/Kg |
| 534-52-1       | 4,6-Dinitro-2-methylphenol | 21.2  |           | 5.9   | 9.2 | 9.2        | ug/Kg |
| 101-55-3       | 4-Bromophenyl-phenylether  | 17.4  |           | 1.1   | 4.6 | 4.6        | ug/Kg |
| 118-74-1       | Hexachlorobenzene          | 18    |           | 1.2   | 4.6 | 4.6        | ug/Kg |
| 1912-24-9      | Atrazine                   | 15.7  |           | 1.1   | 4.6 | 4.6        | ug/Kg |
| 87-86-5        | Pentachlorophenol          | 9.1   | J         | 3.9   | 9.2 | 9.2        | ug/Kg |
| 85-01-8        | Phenanthrene               | 37.2  |           | 0.88  | 4.6 | 4.6        | ug/Kg |
| 120-12-7       | Anthracene                 | 23    |           | 1.1   | 4.6 | 4.6        | ug/Kg |
| 206-44-0       | Fluoranthene               | 66.4  |           | 0.94  | 4.6 | 4.6        | ug/Kg |
| 129-00-0       | Pyrene                     | 56.3  |           | 1.3   | 4.6 | 4.6        | ug/Kg |
| 56-55-3        | Benzo(a)anthracene         | 39.2  |           | 1.1   | 4.6 | 4.6        | ug/Kg |
| 218-01-9       | Chrysene                   | 43.2  |           | 1.2   | 4.6 | 4.6        | ug/Kg |
| 117-81-7       | Bis(2-ethylhexyl)phthalate | 15.5  |           | 2.1   | 9.2 | 9.2        | ug/Kg |
| 205-99-2       | Benzo(b)fluoranthene       | 48    |           | 1.7   | 4.6 | 4.6        | ug/Kg |
| 207-08-9       | Benzo(k)fluoranthene       | 33    |           | 1.4   | 4.6 | 4.6        | ug/Kg |
| 50-32-8        | Benzo(a)pyrene             | 41.8  |           | 2.3   | 4.6 | 4.6        | ug/Kg |
| 193-39-5       | Indeno(1,2,3-cd)pyrene     | 29.4  |           | 1.8   | 4.6 | 4.6        | ug/Kg |
| 53-70-3        | Dibenzo(a,h)anthracene     | 20    |           | 1.6   | 4.6 | 4.6        | ug/Kg |
| 191-24-2       | Benzo(g,h,i)perylene       | 30.4  |           | 1.6   | 4.6 | 4.6        | ug/Kg |
| 123-91-1       | 1,4-Dioxane                | 16.1  |           | 3.1   | 9.2 | 9.2        | ug/Kg |

## Report of Analysis

|                    |                            |                 |                      |
|--------------------|----------------------------|-----------------|----------------------|
| Client:            |                            | Date Collected: | 8/7/2024 12:00:00 AM |
| Project:           |                            | Date Received:  | 8/7/2024 12:00:00 AM |
| Client Sample ID:  | 927-KI-SD-0.5-1.0-080724MS | SDG No.:        | BN080924             |
| Lab Sample ID:     | P3512-04MS                 | Matrix:         | Solid                |
| Analytical Method: | 8270-Modified              | % Moisture:     | 28.6                 |
| Sample Wt/Vol:     | 30.05      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 |
| BN033329.D        | 1         | 8/9/2024 12:00:00 AM | 8/9/2024 12:00:00 AM | PB162604      |

| CAS Number                | Parameter               | Conc. | Qualifier | MDL    | LOD | LOQ / CRQL | Units     |
|---------------------------|-------------------------|-------|-----------|--------|-----|------------|-----------|
| <b>SURROGATES</b>         |                         |       |           |        |     |            |           |
| 7297-45-2                 | 2-Methylnaphthalene-d10 | 0.293 |           | 21-128 |     | 73         | SPK: -0.4 |
| 93951-69-0                | Fluoranthene-d10        | 0.209 |           | 13-127 |     | 52         | SPK: -0.4 |
| 367-12-4                  | 2-Fluorophenol          | 0.217 |           | 28-122 |     | 54         | SPK: -0.4 |
| 13127-88-3                | Phenol-d6               | 0.226 |           | 12-126 |     | 56         | SPK: -0.4 |
| 4165-60-0                 | Nitrobenzene-d5         | 0.237 |           | 14-112 |     | 59         | SPK: -0.4 |
| 321-60-8                  | 2-Fluorobiphenyl        | 0.209 |           | 22-114 |     | 52         | SPK: -0.4 |
| 118-79-6                  | 2,4,6-Tribromophenol    | 0.196 |           | 10-137 |     | 49         | SPK: -0.4 |
| 1718-51-0                 | Terphenyl-d14           | 0.236 |           | 21-130 |     | 59         | SPK: -0.4 |
| <b>INTERNAL STANDARDS</b> |                         |       |           |        |     |            |           |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4  | 4573  | 7.58      |        |     |            |           |
| 1146-65-2                 | Naphthalene-d8          | 13254 | 10.349    |        |     |            |           |
| 15067-26-2                | Acenaphthene-d10        | 7837  | 14.212    |        |     |            |           |
| 1517-22-2                 | Phenanthrene-d10        | 19551 | 16.958    |        |     |            |           |
| 1719-03-5                 | Chrysene-d12            | 19358 | 21.166    |        |     |            |           |
| 1520-96-3                 | Perylene-d12            | 21956 | 23.352    |        |     |            |           |

## Report of Analysis

|                    |                             |                 |                      |
|--------------------|-----------------------------|-----------------|----------------------|
| Client:            |                             | Date Collected: | 8/7/2024 12:00:00 AM |
| Project:           |                             | Date Received:  | 8/7/2024 12:00:00 AM |
| Client Sample ID:  | 927-KI-SD-0.5-1.0-080724MSD | SDG No.:        | BN080924             |
| Lab Sample ID:     | P3512-04MSD                 | Matrix:         | Solid                |
| Analytical Method: | 8270-Modified               | % Moisture:     | 28.6                 |
| Sample Wt/Vol:     | 30.02 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 |
| BN033330.D        | 1         | 8/9/2024 12:00:00 AM | 8/9/2024 12:00:00 AM | PB162604      |

| CAS Number     | Parameter                  | Conc. | Qualifier | MDL   | LOD | LOQ / CRQL | Units |
|----------------|----------------------------|-------|-----------|-------|-----|------------|-------|
| <b>TARGETS</b> |                            |       |           |       |     |            |       |
| 62-75-9        | n-Nitrosodimethylamine     | 18.6  |           | 1.8   | 9.2 | 9.2        | ug/Kg |
| 111-44-4       | bis(2-Chloroethyl)ether    | 18.6  |           | 1.2   | 4.6 | 4.6        | ug/Kg |
| 91-20-3        | Naphthalene                | 18.2  |           | 0.97  | 4.6 | 4.6        | ug/Kg |
| 87-68-3        | Hexachlorobutadiene        | 17.4  |           | 0.97  | 4.6 | 4.6        | ug/Kg |
| 91-57-6        | 2-Methylnaphthalene        | 18.5  |           | 1.1   | 4.6 | 4.6        | ug/Kg |
| 208-96-8       | Acenaphthylene             | 19.6  |           | 0.88  | 4.6 | 4.6        | ug/Kg |
| 83-32-9        | Acenaphthene               | 20.4  |           | 0.77  | 4.6 | 4.6        | ug/Kg |
| Total PAH      | Total PAH                  | 544.2 |           | 20.38 | 4.6 | 73.6       | ug/Kg |
| 86-73-7        | Fluorene                   | 20.1  |           | 0.84  | 4.6 | 4.6        | ug/Kg |
| 534-52-1       | 4,6-Dinitro-2-methylphenol | 20.7  |           | 5.9   | 9.2 | 9.2        | ug/Kg |
| 101-55-3       | 4-Bromophenyl-phenylether  | 17.3  |           | 1.1   | 4.6 | 4.6        | ug/Kg |
| 118-74-1       | Hexachlorobenzene          | 17.9  |           | 1.2   | 4.6 | 4.6        | ug/Kg |
| 1912-24-9      | Atrazine                   | 15.8  |           | 1.1   | 4.6 | 4.6        | ug/Kg |
| 87-86-5        | Pentachlorophenol          | 8.6   | J         | 3.9   | 9.2 | 9.2        | ug/Kg |
| 85-01-8        | Phenanthrene               | 37    |           | 0.88  | 4.6 | 4.6        | ug/Kg |
| 120-12-7       | Anthracene                 | 22.6  |           | 1.1   | 4.6 | 4.6        | ug/Kg |
| 206-44-0       | Fluoranthene               | 66.4  |           | 0.94  | 4.6 | 4.6        | ug/Kg |
| 129-00-0       | Pyrene                     | 55.8  |           | 1.3   | 4.6 | 4.6        | ug/Kg |
| 56-55-3        | Benzo(a)anthracene         | 39.3  |           | 1.1   | 4.6 | 4.6        | ug/Kg |
| 218-01-9       | Chrysene                   | 43.2  |           | 1.2   | 4.6 | 4.6        | ug/Kg |
| 117-81-7       | Bis(2-ethylhexyl)phthalate | 15.3  |           | 2.1   | 9.2 | 9.2        | ug/Kg |
| 205-99-2       | Benzo(b)fluoranthene       | 48.4  |           | 1.7   | 4.6 | 4.6        | ug/Kg |
| 207-08-9       | Benzo(k)fluoranthene       | 31.4  |           | 1.4   | 4.6 | 4.6        | ug/Kg |
| 50-32-8        | Benzo(a)pyrene             | 41.4  |           | 2.3   | 4.6 | 4.6        | ug/Kg |
| 193-39-5       | Indeno(1,2,3-cd)pyrene     | 29.7  |           | 1.8   | 4.6 | 4.6        | ug/Kg |
| 53-70-3        | Dibenzo(a,h)anthracene     | 20    |           | 1.6   | 4.6 | 4.6        | ug/Kg |
| 191-24-2       | Benzo(g,h,i)perylene       | 30.7  |           | 1.6   | 4.6 | 4.6        | ug/Kg |
| 123-91-1       | 1,4-Dioxane                | 16.3  |           | 3.1   | 9.2 | 9.2        | ug/Kg |

## Report of Analysis

|                    |                             |                 |                      |
|--------------------|-----------------------------|-----------------|----------------------|
| Client:            |                             | Date Collected: | 8/7/2024 12:00:00 AM |
| Project:           |                             | Date Received:  | 8/7/2024 12:00:00 AM |
| Client Sample ID:  | 927-KI-SD-0.5-1.0-080724MSD | SDG No.:        | BN080924             |
| Lab Sample ID:     | P3512-04MSD                 | Matrix:         | Solid                |
| Analytical Method: | 8270-Modified               | % Moisture:     | 28.6                 |
| Sample Wt/Vol:     | 30.02      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 |
| BN033330.D        | 1         | 8/9/2024 12:00:00 AM | 8/9/2024 12:00:00 AM | PB162604      |

| CAS Number                | Parameter               | Conc. | Qualifier | MDL    | LOD | LOQ / CRQL | Units     |
|---------------------------|-------------------------|-------|-----------|--------|-----|------------|-----------|
| <b>SURROGATES</b>         |                         |       |           |        |     |            |           |
| 7297-45-2                 | 2-Methylnaphthalene-d10 | 0.294 |           | 21-128 |     | 74         | SPK: -0.4 |
| 93951-69-0                | Fluoranthene-d10        | 0.21  |           | 13-127 |     | 52         | SPK: -0.4 |
| 367-12-4                  | 2-Fluorophenol          | 0.22  |           | 28-122 |     | 55         | SPK: -0.4 |
| 13127-88-3                | Phenol-d6               | 0.229 |           | 12-126 |     | 57         | SPK: -0.4 |
| 4165-60-0                 | Nitrobenzene-d5         | 0.245 |           | 14-112 |     | 61         | SPK: -0.4 |
| 321-60-8                  | 2-Fluorobiphenyl        | 0.209 |           | 22-114 |     | 52         | SPK: -0.4 |
| 118-79-6                  | 2,4,6-Tribromophenol    | 0.201 |           | 10-137 |     | 50         | SPK: -0.4 |
| 1718-51-0                 | Terphenyl-d14           | 0.233 |           | 21-130 |     | 58         | SPK: -0.4 |
| <b>INTERNAL STANDARDS</b> |                         |       |           |        |     |            |           |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4  | 4063  | 7.58      |        |     |            |           |
| 1146-65-2                 | Naphthalene-d8          | 11931 | 10.349    |        |     |            |           |
| 15067-26-2                | Acenaphthene-d10        | 7078  | 14.212    |        |     |            |           |
| 1517-22-2                 | Phenanthrene-d10        | 17819 | 16.958    |        |     |            |           |
| 1719-03-5                 | Chrysene-d12            | 17834 | 21.166    |        |     |            |           |
| 1520-96-3                 | Perylene-d12            | 20446 | 23.352    |        |     |            |           |

## Report of Analysis

|                    |                          |                 |                      |
|--------------------|--------------------------|-----------------|----------------------|
| Client:            |                          | Date Collected: | 8/7/2024 12:00:00 AM |
| Project:           |                          | Date Received:  | 8/7/2024 12:00:00 AM |
| Client Sample ID:  | 931-KI-SD-0.5-1.0-080724 | SDG No.:        | BN080924             |
| Lab Sample ID:     | P3512-05                 | Matrix:         | Solid                |
| Analytical Method: | 8270-Modified            | % Moisture:     | 23.1                 |
| Sample Wt/Vol:     | 30.08 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 |
| BN033331.D        | 1         | 8/9/2024 12:00:00 AM | 8/9/2024 12:00:00 AM | PB162604      |

| CAS Number     | Parameter                  | Conc. | Qualifier | MDL   | LOD | LOQ / CRQL | Units |
|----------------|----------------------------|-------|-----------|-------|-----|------------|-------|
| <b>TARGETS</b> |                            |       |           |       |     |            |       |
| 62-75-9        | n-Nitrosodimethylamine     | 1.7   | U         | 1.7   | 8.6 | 8.6        | ug/Kg |
| 111-44-4       | bis(2-Chloroethyl)ether    | 1.1   | U         | 1.1   | 4.3 | 4.3        | ug/Kg |
| 91-20-3        | Naphthalene                | 0.89  | U         | 0.89  | 4.3 | 4.3        | ug/Kg |
| 87-68-3        | Hexachlorobutadiene        | 0.89  | U         | 0.89  | 4.3 | 4.3        | ug/Kg |
| 91-57-6        | 2-Methylnaphthalene        | 1     | U         | 1     | 4.3 | 4.3        | ug/Kg |
| 208-96-8       | Acenaphthylene             | 0.82  | U         | 0.82  | 4.3 | 4.3        | ug/Kg |
| 83-32-9        | Acenaphthene               | 0.71  | U         | 0.71  | 4.3 | 4.3        | ug/Kg |
| Total PAH      | Total PAH                  | 18.78 | U         | 18.78 | 4.3 | 68.8       | ug/Kg |
| 86-73-7        | Fluorene                   | 0.78  | U         | 0.78  | 4.3 | 4.3        | ug/Kg |
| 534-52-1       | 4,6-Dinitro-2-methylphenol | 5.5   | U         | 5.5   | 8.6 | 8.6        | ug/Kg |
| 101-55-3       | 4-Bromophenyl-phenylether  | 1     | U         | 1     | 4.3 | 4.3        | ug/Kg |
| 118-74-1       | Hexachlorobenzene          | 1.1   | U         | 1.1   | 4.3 | 4.3        | ug/Kg |
| 1912-24-9      | Atrazine                   | 0.99  | U         | 0.99  | 4.3 | 4.3        | ug/Kg |
| 87-86-5        | Pentachlorophenol          | 3.7   | U         | 3.7   | 8.6 | 8.6        | ug/Kg |
| 85-01-8        | Phenanthrene               | 0.82  | U         | 0.82  | 4.3 | 4.3        | ug/Kg |
| 120-12-7       | Anthracene                 | 1     | U         | 1     | 4.3 | 4.3        | ug/Kg |
| 206-44-0       | Fluoranthene               | 0.87  | U         | 0.87  | 4.3 | 4.3        | ug/Kg |
| 129-00-0       | Pyrene                     | 1.2   | U         | 1.2   | 4.3 | 4.3        | ug/Kg |
| 56-55-3        | Benzo(a)anthracene         | 0.99  | U         | 0.99  | 4.3 | 4.3        | ug/Kg |
| 218-01-9       | Chrysene                   | 1.1   | U         | 1.1   | 4.3 | 4.3        | ug/Kg |
| 117-81-7       | Bis(2-ethylhexyl)phthalate | 1.9   | U         | 1.9   | 8.6 | 8.6        | ug/Kg |
| 205-99-2       | Benzo(b)fluoranthene       | 1.5   | U         | 1.5   | 4.3 | 4.3        | ug/Kg |
| 207-08-9       | Benzo(k)fluoranthene       | 1.3   | U         | 1.3   | 4.3 | 4.3        | ug/Kg |
| 50-32-8        | Benzo(a)pyrene             | 2.2   | U         | 2.2   | 4.3 | 4.3        | ug/Kg |
| 193-39-5       | Indeno(1,2,3-cd)pyrene     | 1.6   | U         | 1.6   | 4.3 | 4.3        | ug/Kg |
| 53-70-3        | Dibenzo(a,h)anthracene     | 1.5   | U         | 1.5   | 4.3 | 4.3        | ug/Kg |
| 191-24-2       | Benzo(g,h,i)perylene       | 1.5   | U         | 1.5   | 4.3 | 4.3        | ug/Kg |
| 123-91-1       | 1,4-Dioxane                | 2.9   | U         | 2.9   | 8.6 | 8.6        | ug/Kg |

## Report of Analysis

|                    |                          |                 |                      |
|--------------------|--------------------------|-----------------|----------------------|
| Client:            |                          | Date Collected: | 8/7/2024 12:00:00 AM |
| Project:           |                          | Date Received:  | 8/7/2024 12:00:00 AM |
| Client Sample ID:  | 931-KI-SD-0.5-1.0-080724 | SDG No.:        | BN080924             |
| Lab Sample ID:     | P3512-05                 | Matrix:         | Solid                |
| Analytical Method: | 8270-Modified            | % Moisture:     | 23.1                 |
| Sample Wt/Vol:     | 30.08      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 |
| BN033331.D        | 1         | 8/9/2024 12:00:00 AM | 8/9/2024 12:00:00 AM | PB162604      |

| CAS Number                | Parameter               | Conc. | Qualifier | MDL    | LOD | LOQ / CRQL | Units     |
|---------------------------|-------------------------|-------|-----------|--------|-----|------------|-----------|
| <b>SURROGATES</b>         |                         |       |           |        |     |            |           |
| 7297-45-2                 | 2-Methylnaphthalene-d10 | 0.298 |           | 21-128 |     | 75         | SPK: -0.4 |
| 93951-69-0                | Fluoranthene-d10        | 0.295 |           | 13-127 |     | 74         | SPK: -0.4 |
| 367-12-4                  | 2-Fluorophenol          | 0.309 |           | 28-122 |     | 77         | SPK: -0.4 |
| 13127-88-3                | Phenol-d6               | 0.317 |           | 12-126 |     | 79         | SPK: -0.4 |
| 4165-60-0                 | Nitrobenzene-d5         | 0.354 |           | 14-112 |     | 88         | SPK: -0.4 |
| 321-60-8                  | 2-Fluorobiphenyl        | 0.325 |           | 22-114 |     | 81         | SPK: -0.4 |
| 118-79-6                  | 2,4,6-Tribromophenol    | 0.253 |           | 10-137 |     | 63         | SPK: -0.4 |
| 1718-51-0                 | Terphenyl-d14           | 0.332 |           | 21-130 |     | 83         | SPK: -0.4 |
| <b>INTERNAL STANDARDS</b> |                         |       |           |        |     |            |           |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4  | 4380  | 7.58      |        |     |            |           |
| 1146-65-2                 | Naphthalene-d8          | 12673 | 10.349    |        |     |            |           |
| 15067-26-2                | Acenaphthene-d10        | 7330  | 14.212    |        |     |            |           |
| 1517-22-2                 | Phenanthrene-d10        | 17875 | 16.958    |        |     |            |           |
| 1719-03-5                 | Chrysene-d12            | 16664 | 21.166    |        |     |            |           |
| 1520-96-3                 | Perylene-d12            | 19212 | 23.352    |        |     |            |           |

## Report of Analysis

|                    |                             |                 |                      |
|--------------------|-----------------------------|-----------------|----------------------|
| Client:            |                             | Date Collected: | 8/7/2024 12:00:00 AM |
| Project:           |                             | Date Received:  | 8/7/2024 12:00:00 AM |
| Client Sample ID:  | 931-KI-SD-0.5-1.0-080724-FD | SDG No.:        | BN080924             |
| Lab Sample ID:     | P3512-06                    | Matrix:         | Solid                |
| Analytical Method: | 8270-Modified               | % Moisture:     | 22.3                 |
| 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 |
| BN033332.D        | 1         | 8/9/2024 12:00:00 AM | 8/10/2024 12:00:00 AM | PB162604      |

| CAS Number     | Parameter                  | Conc. | Qualifier | MDL   | LOD | LOQ / CRQL | Units |
|----------------|----------------------------|-------|-----------|-------|-----|------------|-------|
| <b>TARGETS</b> |                            |       |           |       |     |            |       |
| 62-75-9        | n-Nitrosodimethylamine     | 1.7   | U         | 1.7   | 8.5 | 8.5        | ug/Kg |
| 111-44-4       | bis(2-Chloroethyl)ether    | 1.1   | U         | 1.1   | 4.2 | 4.2        | ug/Kg |
| 91-20-3        | Naphthalene                | 0.89  | U         | 0.89  | 4.2 | 4.2        | ug/Kg |
| 87-68-3        | Hexachlorobutadiene        | 0.89  | U         | 0.89  | 4.2 | 4.2        | ug/Kg |
| 91-57-6        | 2-Methylnaphthalene        | 1     | U         | 1     | 4.2 | 4.2        | ug/Kg |
| 208-96-8       | Acenaphthylene             | 0.81  | U         | 0.81  | 4.2 | 4.2        | ug/Kg |
| 83-32-9        | Acenaphthene               | 0.71  | U         | 0.71  | 4.2 | 4.2        | ug/Kg |
| Total PAH      | Total PAH                  | 18.63 | U         | 18.63 | 4.2 | 67.2       | ug/Kg |
| 86-73-7        | Fluorene                   | 0.77  | U         | 0.77  | 4.2 | 4.2        | ug/Kg |
| 534-52-1       | 4,6-Dinitro-2-methylphenol | 5.5   | U         | 5.5   | 8.5 | 8.5        | ug/Kg |
| 101-55-3       | 4-Bromophenyl-phenylether  | 1     | U         | 1     | 4.2 | 4.2        | ug/Kg |
| 118-74-1       | Hexachlorobenzene          | 1.1   | U         | 1.1   | 4.2 | 4.2        | ug/Kg |
| 1912-24-9      | Atrazine                   | 0.98  | U         | 0.98  | 4.2 | 4.2        | ug/Kg |
| 87-86-5        | Pentachlorophenol          | 3.6   | U         | 3.6   | 8.5 | 8.5        | ug/Kg |
| 85-01-8        | Phenanthrene               | 1.2   | J         | 0.81  | 4.2 | 4.2        | ug/Kg |
| 120-12-7       | Anthracene                 | 1     | U         | 1     | 4.2 | 4.2        | ug/Kg |
| 206-44-0       | Fluoranthene               | 2.3   | J         | 0.86  | 4.2 | 4.2        | ug/Kg |
| 129-00-0       | Pyrene                     | 1.9   | J         | 1.2   | 4.2 | 4.2        | ug/Kg |
| 56-55-3        | Benzo(a)anthracene         | 0.98  | J         | 0.98  | 4.2 | 4.2        | ug/Kg |
| 218-01-9       | Chrysene                   | 1.4   | J         | 1.1   | 4.2 | 4.2        | ug/Kg |
| 117-81-7       | Bis(2-ethylhexyl)phthalate | 1.9   | U         | 1.9   | 8.5 | 8.5        | ug/Kg |
| 205-99-2       | Benzo(b)fluoranthene       | 2.1   | J         | 1.5   | 4.2 | 4.2        | ug/Kg |
| 207-08-9       | Benzo(k)fluoranthene       | 1.3   | U         | 1.3   | 4.2 | 4.2        | ug/Kg |
| 50-32-8        | Benzo(a)pyrene             | 2.1   | U         | 2.1   | 4.2 | 4.2        | ug/Kg |
| 193-39-5       | Indeno(1,2,3-cd)pyrene     | 1.6   | U         | 1.6   | 4.2 | 4.2        | ug/Kg |
| 53-70-3        | Dibenzo(a,h)anthracene     | 1.5   | U         | 1.5   | 4.2 | 4.2        | ug/Kg |
| 191-24-2       | Benzo(g,h,i)perylene       | 1.5   | U         | 1.5   | 4.2 | 4.2        | ug/Kg |
| 123-91-1       | 1,4-Dioxane                | 2.9   | U         | 2.9   | 8.5 | 8.5        | ug/Kg |

## Report of Analysis

|                    |                             |                 |                      |
|--------------------|-----------------------------|-----------------|----------------------|
| Client:            |                             | Date Collected: | 8/7/2024 12:00:00 AM |
| Project:           |                             | Date Received:  | 8/7/2024 12:00:00 AM |
| Client Sample ID:  | 931-KI-SD-0.5-1.0-080724-FD | SDG No.:        | BN080924             |
| Lab Sample ID:     | P3512-06                    | Matrix:         | Solid                |
| Analytical Method: | 8270-Modified               | % Moisture:     | 22.3                 |
| 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 |
| BN033332.D        | 1         | 8/9/2024 12:00:00 AM | 8/10/2024 12:00:00 AM | PB162604      |

| CAS Number                | Parameter               | Conc. | Qualifier | MDL    | LOD | LOQ / CRQL | Units     |
|---------------------------|-------------------------|-------|-----------|--------|-----|------------|-----------|
| <b>SURROGATES</b>         |                         |       |           |        |     |            |           |
| 7297-45-2                 | 2-Methylnaphthalene-d10 | 0.209 |           | 21-128 |     | 52         | SPK: -0.4 |
| 93951-69-0                | Fluoranthene-d10        | 0.198 |           | 13-127 |     | 50         | SPK: -0.4 |
| 367-12-4                  | 2-Fluorophenol          | 0.225 |           | 28-122 |     | 56         | SPK: -0.4 |
| 13127-88-3                | Phenol-d6               | 0.228 |           | 12-126 |     | 57         | SPK: -0.4 |
| 4165-60-0                 | Nitrobenzene-d5         | 0.266 |           | 14-112 |     | 67         | SPK: -0.4 |
| 321-60-8                  | 2-Fluorobiphenyl        | 0.235 |           | 22-114 |     | 59         | SPK: -0.4 |
| 118-79-6                  | 2,4,6-Tribromophenol    | 0.195 |           | 10-137 |     | 49         | SPK: -0.4 |
| 1718-51-0                 | Terphenyl-d14           | 0.212 |           | 21-130 |     | 53         | SPK: -0.4 |
| <b>INTERNAL STANDARDS</b> |                         |       |           |        |     |            |           |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4  | 4029  | 7.58      |        |     |            |           |
| 1146-65-2                 | Naphthalene-d8          | 11626 | 10.349    |        |     |            |           |
| 15067-26-2                | Acenaphthene-d10        | 6502  | 14.212    |        |     |            |           |
| 1517-22-2                 | Phenanthrene-d10        | 15964 | 16.97     |        |     |            |           |
| 1719-03-5                 | Chrysene-d12            | 14746 | 21.165    |        |     |            |           |
| 1520-96-3                 | Perylene-d12            | 17088 | 23.349    |        |     |            |           |

### Hit Summary Sheet SW-846

SDG No.: BN080924

Client:

| Sample ID                             | Client ID              | Matrix | Parameter                  | Concentration | C | MDL  | RDL   | Units |
|---------------------------------------|------------------------|--------|----------------------------|---------------|---|------|-------|-------|
| Client ID : 927-KI-SD-0-0.5-080724    |                        |        |                            |               |   |      |       |       |
| P3512-01                              | 927-KI-SD-0-0.5-080724 | Solid  | Acenaphthene               | 3.700         | J | 1.3  | 7.6   | ug/Kg |
| P3512-01                              | 927-KI-SD-0-0.5-080724 | Solid  | Acenaphthylene             | 3.800         | J | 1.4  | 7.6   | ug/Kg |
| P3512-01                              | 927-KI-SD-0-0.5-080724 | Solid  | Anthracene                 | 8.700         |   | 1.8  | 7.6   | ug/Kg |
| P3512-01                              | 927-KI-SD-0-0.5-080724 | Solid  | Benzo(a)anthracene         | 84.800        |   | 1.7  | 7.6   | ug/Kg |
| P3512-01                              | 927-KI-SD-0-0.5-080724 | Solid  | Benzo(a)pyrene             | 87.800        |   | 3.8  | 7.6   | ug/Kg |
| P3512-01                              | 927-KI-SD-0-0.5-080724 | Solid  | Benzo(b)fluoranthene       | 130.000       |   | 2.7  | 7.6   | ug/Kg |
| P3512-01                              | 927-KI-SD-0-0.5-080724 | Solid  | Benzo(g,h,i)perylene       | 59.200        |   | 2.6  | 7.6   | ug/Kg |
| P3512-01                              | 927-KI-SD-0-0.5-080724 | Solid  | Benzo(k)fluoranthene       | 49.500        |   | 2.3  | 7.6   | ug/Kg |
| P3512-01                              | 927-KI-SD-0-0.5-080724 | Solid  | Bis(2-ethylhexyl)phthalate | 3.500         | J | 3.4  | 15.2  | ug/Kg |
| P3512-01                              | 927-KI-SD-0-0.5-080724 | Solid  | Chrysene                   | 100.000       |   | 2    | 7.6   | ug/Kg |
| P3512-01                              | 927-KI-SD-0-0.5-080724 | Solid  | Dibenzo(a,h)anthracene     | 12.300        |   | 2.7  | 7.6   | ug/Kg |
| P3512-01                              | 927-KI-SD-0-0.5-080724 | Solid  | Fluoranthene               | 180.000       |   | 1.5  | 7.6   | ug/Kg |
| P3512-01                              | 927-KI-SD-0-0.5-080724 | Solid  | Fluorene                   | 4.400         | J | 1.4  | 7.6   | ug/Kg |
| P3512-01                              | 927-KI-SD-0-0.5-080724 | Solid  | Indeno(1,2,3-cd)pyrene     | 49.000        |   | 2.9  | 7.6   | ug/Kg |
| P3512-01                              | 927-KI-SD-0-0.5-080724 | Solid  | Phenanthrene               | 64.400        |   | 1.4  | 7.6   | ug/Kg |
| P3512-01                              | 927-KI-SD-0-0.5-080724 | Solid  | Pyrene                     | 150.000       |   | 2.2  | 7.6   | ug/Kg |
| P3512-01                              | 927-KI-SD-0-0.5-080724 | Solid  | Total PAH                  | 987.000       |   | 33.3 | 121.6 | ug/Kg |
| Total Svoc :                          |                        |        |                            | 1,978.10      |   |      |       |       |
| Total Concentration:                  |                        |        |                            | 1,978.10      |   |      |       |       |
| Client ID : 931-KI-SD-0-0.5-080724    |                        |        |                            |               |   |      |       |       |
| P3512-02                              | 931-KI-SD-0-0.5-080724 | Solid  | Benzo(a)anthracene         | 3.500         | J | 0.98 | 4.2   | ug/Kg |
| P3512-02                              | 931-KI-SD-0-0.5-080724 | Solid  | Benzo(a)pyrene             | 4.100         | J | 2.1  | 4.2   | ug/Kg |
| P3512-02                              | 931-KI-SD-0-0.5-080724 | Solid  | Benzo(b)fluoranthene       | 7.200         |   | 1.5  | 4.2   | ug/Kg |
| P3512-02                              | 931-KI-SD-0-0.5-080724 | Solid  | Benzo(g,h,i)perylene       | 3.700         | J | 1.5  | 4.2   | ug/Kg |
| P3512-02                              | 931-KI-SD-0-0.5-080724 | Solid  | Benzo(k)fluoranthene       | 2.800         | J | 1.3  | 4.2   | ug/Kg |
| P3512-02                              | 931-KI-SD-0-0.5-080724 | Solid  | Chrysene                   | 5.300         |   | 1.1  | 4.2   | ug/Kg |
| P3512-02                              | 931-KI-SD-0-0.5-080724 | Solid  | Fluoranthene               | 9.600         |   | 0.86 | 4.2   | ug/Kg |
| P3512-02                              | 931-KI-SD-0-0.5-080724 | Solid  | Indeno(1,2,3-cd)pyrene     | 2.700         | J | 1.6  | 4.2   | ug/Kg |
| P3512-02                              | 931-KI-SD-0-0.5-080724 | Solid  | Phenanthrene               | 3.600         | J | 0.81 | 4.2   | ug/Kg |
| P3512-02                              | 931-KI-SD-0-0.5-080724 | Solid  | Pyrene                     | 7.900         |   | 1.2  | 4.2   | ug/Kg |
| Total Svoc :                          |                        |        |                            | 50.40         |   |      |       |       |
| Total Concentration:                  |                        |        |                            | 50.40         |   |      |       |       |
| Client ID : 931-KI-SD-0-0.5-080724-SD |                        |        |                            |               |   |      |       |       |
| P3512-03                              | 931-KI-SD-0-0.5-080724 | Solid  | Benzo(a)anthracene         | 1.500         | J | 1.1  | 4.8   | ug/Kg |
| P3512-03                              | 931-KI-SD-0-0.5-080724 | Solid  | Benzo(b)fluoranthene       | 4.000         | J | 1.7  | 4.8   | ug/Kg |
| P3512-03                              | 931-KI-SD-0-0.5-080724 | Solid  | Benzo(g,h,i)perylene       | 2.000         | J | 1.6  | 4.8   | ug/Kg |

### Hit Summary Sheet SW-846

SDG No.: BN080924

Client:

| Sample ID                               | Client ID               | Matrix | Parameter              | Concentration | C | MDL   | RDL  | Units |
|-----------------------------------------|-------------------------|--------|------------------------|---------------|---|-------|------|-------|
| P3512-03                                | 931-KI-SD-0-0.5-080724  | Solid  | Benzo(k)fluoranthene   | 1.600         | J | 1.4   | 4.8  | ug/Kg |
| P3512-03                                | 931-KI-SD-0-0.5-080724  | Solid  | Chrysene               | 2.900         | J | 1.2   | 4.8  | ug/Kg |
| P3512-03                                | 931-KI-SD-0-0.5-080724  | Solid  | Fluoranthene           | 5.100         |   | 0.96  | 4.8  | ug/Kg |
| P3512-03                                | 931-KI-SD-0-0.5-080724  | Solid  | Phenanthrene           | 2.700         | J | 0.91  | 4.8  | ug/Kg |
| P3512-03                                | 931-KI-SD-0-0.5-080724  | Solid  | Pyrene                 | 4.200         | J | 1.4   | 4.8  | ug/Kg |
| Total Svoc :                            |                         |        |                        | 24.00         |   |       |      |       |
| Total Concentration:                    |                         |        |                        | 24.00         |   |       |      |       |
| Client ID : 927-KI-SD-0.5-1.0-080724    |                         |        |                        |               |   |       |      |       |
| P3512-04                                | 927-KI-SD-0.5-1.0-08072 | Solid  | Acenaphthene           | 1.800         | J | 0.77  | 4.6  | ug/Kg |
| P3512-04                                | 927-KI-SD-0.5-1.0-08072 | Solid  | Acenaphthylene         | 1.400         | J | 0.88  | 4.6  | ug/Kg |
| P3512-04                                | 927-KI-SD-0.5-1.0-08072 | Solid  | Anthracene             | 4.900         |   | 1.1   | 4.6  | ug/Kg |
| P3512-04                                | 927-KI-SD-0.5-1.0-08072 | Solid  | Benzo(a)anthracene     | 22.300        |   | 1.1   | 4.6  | ug/Kg |
| P3512-04                                | 927-KI-SD-0.5-1.0-08072 | Solid  | Benzo(a)pyrene         | 23.500        |   | 2.3   | 4.6  | ug/Kg |
| P3512-04                                | 927-KI-SD-0.5-1.0-08072 | Solid  | Benzo(b)fluoranthene   | 34.000        |   | 1.7   | 4.6  | ug/Kg |
| P3512-04                                | 927-KI-SD-0.5-1.0-08072 | Solid  | Benzo(g,h,i)perylene   | 15.400        |   | 1.6   | 4.6  | ug/Kg |
| P3512-04                                | 927-KI-SD-0.5-1.0-08072 | Solid  | Benzo(k)fluoranthene   | 11.700        |   | 1.4   | 4.6  | ug/Kg |
| P3512-04                                | 927-KI-SD-0.5-1.0-08072 | Solid  | Chrysene               | 26.200        |   | 1.2   | 4.6  | ug/Kg |
| P3512-04                                | 927-KI-SD-0.5-1.0-08072 | Solid  | Dibenzo(a,h)anthracene | 3.500         | J | 1.6   | 4.6  | ug/Kg |
| P3512-04                                | 927-KI-SD-0.5-1.0-08072 | Solid  | Fluoranthene           | 50.700        |   | 0.94  | 4.6  | ug/Kg |
| P3512-04                                | 927-KI-SD-0.5-1.0-08072 | Solid  | Fluorene               | 1.800         | J | 0.84  | 4.6  | ug/Kg |
| P3512-04                                | 927-KI-SD-0.5-1.0-08072 | Solid  | Indeno(1,2,3-cd)pyrene | 12.500        |   | 1.8   | 4.6  | ug/Kg |
| P3512-04                                | 927-KI-SD-0.5-1.0-08072 | Solid  | Phenanthrene           | 19.600        |   | 0.88  | 4.6  | ug/Kg |
| P3512-04                                | 927-KI-SD-0.5-1.0-08072 | Solid  | Pyrene                 | 41.900        |   | 1.3   | 4.6  | ug/Kg |
| P3512-04                                | 927-KI-SD-0.5-1.0-08072 | Solid  | Total PAH              | 271.000       |   | 20.38 | 73.6 | ug/Kg |
| Total Svoc :                            |                         |        |                        | 542.20        |   |       |      |       |
| Total Concentration:                    |                         |        |                        | 542.20        |   |       |      |       |
| Client ID : 931-KI-SD-0.5-1.0-080724-FD |                         |        |                        |               |   |       |      |       |
| P3512-06                                | 931-KI-SD-0.5-1.0-08072 | Solid  | Benzo(a)anthracene     | 0.980         | J | 0.98  | 4.2  | ug/Kg |
| P3512-06                                | 931-KI-SD-0.5-1.0-08072 | Solid  | Benzo(b)fluoranthene   | 2.100         | J | 1.5   | 4.2  | ug/Kg |
| P3512-06                                | 931-KI-SD-0.5-1.0-08072 | Solid  | Chrysene               | 1.400         | J | 1.1   | 4.2  | ug/Kg |
| P3512-06                                | 931-KI-SD-0.5-1.0-08072 | Solid  | Fluoranthene           | 2.300         | J | 0.86  | 4.2  | ug/Kg |
| P3512-06                                | 931-KI-SD-0.5-1.0-08072 | Solid  | Phenanthrene           | 1.200         | J | 0.81  | 4.2  | ug/Kg |
| P3512-06                                | 931-KI-SD-0.5-1.0-08072 | Solid  | Pyrene                 | 1.900         | J | 1.2   | 4.2  | ug/Kg |
| Total Svoc :                            |                         |        |                        | 9.88          |   |       |      |       |
| Total Concentration:                    |                         |        |                        | 9.88          |   |       |      |       |
| Client ID : GWBR-05-459-475-080724      |                         |        |                        |               |   |       |      |       |
| P3514-01                                | GWBR-05-459-475-0807    | Water  | 1,4-Dioxane            | 0.470         |   | 0.08  | 0.22 | ug/L  |
| Total Svoc :                            |                         |        |                        | 0.47          |   |       |      |       |
| Total Concentration:                    |                         |        |                        | 0.47          |   |       |      |       |

### Hit Summary Sheet SW-846

SDG No.: BN080924

Client:

| Sample ID                          | Client ID           | Parameter | Concentration          | C     | MDL    | RDL  | Units |
|------------------------------------|---------------------|-----------|------------------------|-------|--------|------|-------|
| Client ID : TT189D2-HYD-20240806   |                     |           |                        |       |        |      |       |
| P3515-02                           | TT189D2-HYD-2024080 | Water     | 1,4-Dioxane            | 0.820 | 0.07   | 0.21 | ug/L  |
| P3515-02                           | TT189D2-HYD-2024080 | Water     | Benzo(a)anthracene     | 0.030 | J 0.02 | 0.1  | ug/L  |
| P3515-02                           | TT189D2-HYD-2024080 | Water     | Benzo(b)fluoranthene   | 0.040 | J 0.03 | 0.1  | ug/L  |
| P3515-02                           | TT189D2-HYD-2024080 | Water     | Benzo(k)fluoranthene   | 0.040 | J 0.04 | 0.1  | ug/L  |
| P3515-02                           | TT189D2-HYD-2024080 | Water     | Chrysene               | 0.030 | J 0.03 | 0.1  | ug/L  |
| P3515-02                           | TT189D2-HYD-2024080 | Water     | Fluoranthene           | 0.030 | J 0.02 | 0.1  | ug/L  |
| P3515-02                           | TT189D2-HYD-2024080 | Water     | Phenanthrene           | 0.020 | J 0.02 | 0.1  | ug/L  |
| P3515-02                           | TT189D2-HYD-2024080 | Water     | Pyrene                 | 0.030 | J 0.02 | 0.1  | ug/L  |
| Total Svoc :                       |                     |           |                        |       | 1.04   |      |       |
| Total Concentration:               |                     |           |                        |       | 1.04   |      |       |
| Client ID : TT189D2-HYD-20240806RE |                     |           |                        |       |        |      |       |
| P3515-02RE                         | TT189D2-HYD-2024080 | Water     | 1,4-Dioxane            | 0.810 | 0.07   | 0.21 | ug/L  |
| P3515-02RE                         | TT189D2-HYD-2024080 | Water     | Benzo(a)anthracene     | 0.030 | J 0.02 | 0.1  | ug/L  |
| P3515-02RE                         | TT189D2-HYD-2024080 | Water     | Benzo(b)fluoranthene   | 0.050 | J 0.03 | 0.1  | ug/L  |
| P3515-02RE                         | TT189D2-HYD-2024080 | Water     | Benzo(g,h,i)perylene   | 0.040 | J 0.04 | 0.1  | ug/L  |
| P3515-02RE                         | TT189D2-HYD-2024080 | Water     | Benzo(k)fluoranthene   | 0.040 | J 0.04 | 0.1  | ug/L  |
| P3515-02RE                         | TT189D2-HYD-2024080 | Water     | Chrysene               | 0.040 | J 0.03 | 0.1  | ug/L  |
| P3515-02RE                         | TT189D2-HYD-2024080 | Water     | Fluoranthene           | 0.030 | J 0.02 | 0.1  | ug/L  |
| P3515-02RE                         | TT189D2-HYD-2024080 | Water     | Fluorene               | 0.020 | J 0.02 | 0.1  | ug/L  |
| P3515-02RE                         | TT189D2-HYD-2024080 | Water     | Indeno(1,2,3-cd)pyrene | 0.040 | J 0.04 | 0.1  | ug/L  |
| P3515-02RE                         | TT189D2-HYD-2024080 | Water     | Phenanthrene           | 0.020 | J 0.02 | 0.1  | ug/L  |
| P3515-02RE                         | TT189D2-HYD-2024080 | Water     | Pyrene                 | 0.030 | J 0.02 | 0.1  | ug/L  |
| Total Svoc :                       |                     |           |                        |       | 1.15   |      |       |
| Total Concentration:               |                     |           |                        |       | 1.15   |      |       |



6C

## SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: \_\_\_\_\_  
Lab Code: CHEM Case No.: BN080724 SAS No.: BN080724 SDG No.: BN080724  
Instrument ID: \_\_\_\_\_ Calibration Date(s): 8/7/2024 1: \_\_\_\_\_  
Calibration Time(s): 19:24 \_\_\_\_\_

|                            |        |                     |        |                     |        |                     |       |       |
|----------------------------|--------|---------------------|--------|---------------------|--------|---------------------|-------|-------|
| LAB FILE ID:               |        | RRF0.1 = BN033289.D |        | RRF0.2 = BN033290.D |        | RRF0.4 = BN033291.D |       |       |
|                            |        | RRF0.8 = BN033292.D |        | RRF1.6 = BN033293.D |        | RRF3.2 = BN033294.D |       |       |
| COMPOUND                   | RRF0.1 | RRF0.2              | RRF0.4 | RRF0.8              | RRF1.6 | RRF3.2              | RRF   | % RSD |
| 2-Methylnaphthalene-d10    | 0.638  | 0.607               | 0.624  | 0.659               | 0.642  | 0.596               | 0.623 | 3.9   |
| Fluoranthene-d10           | 1.119  | 1.062               | 1.089  | 1.150               | 1.130  | 1.073               | 1.101 | 3.0   |
| n-Nitrosodimethylamine     | 0.537  | 0.557               | 0.554  | 0.619               | 0.592  | 0.542               | 0.563 | 5.5   |
| 2-Fluorophenol             | 1.094  | 1.072               | 1.080  | 1.127               | 1.075  | 0.963               | 1.053 | 6.2   |
| Phenol-d6                  | 1.481  | 1.425               | 1.451  | 1.569               | 1.494  | 1.335               | 1.439 | 6.1   |
| bis(2-Chloroethyl)ether    | 1.243  | 1.192               | 1.242  | 1.321               | 1.287  | 1.164               | 1.231 | 4.9   |
| Nitrobenzene-d5            | 0.251  | 0.231               | 0.233  | 0.259               | 0.256  | 0.238               | 0.244 | 4.6   |
| Naphthalene                | 1.132  | 1.094               | 1.121  | 1.193               | 1.159  | 1.081               | 1.123 | 3.8   |
| Hexachlorobutadiene        | 0.211  | 0.204               | 0.205  | 0.219               | 0.212  | 0.197               | 0.206 | 4.0   |
| 2-Methylnaphthalene        | 0.772  | 0.752               | 0.776  | 0.823               | 0.803  | 0.748               | 0.774 | 3.8   |
| 2-Fluorobiphenyl           | 1.502  | 1.425               | 1.559  | 1.598               | 1.551  | 1.460               | 1.507 | 4.3   |
| Acenaphthylene             | 1.921  | 1.830               | 2.028  | 2.072               | 2.022  | 1.895               | 1.953 | 4.5   |
| Acenaphthene               | 1.211  | 1.161               | 1.274  | 1.323               | 1.277  | 1.215               | 1.239 | 4.4   |
| Fluorene                   | 1.681  | 1.578               | 1.699  | 1.742               | 1.690  | 1.599               | 1.656 | 3.8   |
| 4,6-Dinitro-2-methylphenol | 0.024  | 0.024               | 0.026  | 0.030               | 0.030  | 0.032               | 0.029 | 14.6  |
| 2,4,6-Tribromophenol       | 0.171  | 0.157               | 0.163  | 0.164               | 0.159  | 0.155               | 0.162 | 3.3   |
| 4-Bromophenyl-phenylether  | 0.248  | 0.236               | 0.242  | 0.255               | 0.252  | 0.233               | 0.243 | 3.5   |
| Hexachlorobenzene          | 0.255  | 0.244               | 0.252  | 0.275               | 0.264  | 0.246               | 0.255 | 4.3   |
| Atrazine                   | 0.202  | 0.192               | 0.198  | 0.210               | 0.206  | 0.194               | 0.201 | 3.1   |
| Pentachlorophenol          | 0.074  | 0.079               | 0.085  | 0.093               | 0.097  | 0.096               | 0.089 | 11.9  |
| Phenanthrene               | 1.160  | 1.112               | 1.166  | 1.211               | 1.190  | 1.125               | 1.158 | 3.1   |
| Anthracene                 | 1.134  | 1.076               | 1.113  | 1.185               | 1.167  | 1.101               | 1.126 | 3.4   |
| Fluoranthene               | 1.463  | 1.392               | 1.442  | 1.528               | 1.527  | 1.430               | 1.460 | 3.5   |
| Pyrene                     | 1.605  | 1.537               | 1.579  | 1.685               | 1.617  | 1.496               | 1.573 | 4.4   |
| Terphenyl-d14              | 0.718  | 0.686               | 0.692  | 0.735               | 0.703  | 0.648               | 0.690 | 4.8   |
| Benzo(a)anthracene         | 1.606  | 1.492               | 1.529  | 1.635               | 1.592  | 1.504               | 1.553 | 3.6   |
| Chrysene                   | 1.533  | 1.468               | 1.500  | 1.601               | 1.532  | 1.454               | 1.504 | 3.7   |
| Bis(2-ethylhexyl)phthalate | 0.879  | 0.799               | 0.765  | 0.799               | 0.789  | 0.785               | 0.805 | 4.5   |
| Benzo(b)fluoranthene       | 1.443  | 1.407               | 1.467  | 1.584               | 1.541  | 1.464               | 1.487 | 4.0   |
| Benzo(k)fluoranthene       | 1.370  | 1.384               | 1.405  | 1.546               | 1.534  | 1.425               | 1.444 | 4.9   |
| Benzo(a)pyrene             | 1.287  | 1.246               | 1.282  | 1.406               | 1.388  | 1.307               | 1.321 | 4.4   |
| Indeno(1,2,3-cd)pyrene     | 1.697  | 1.611               | 1.683  | 1.872               | 1.857  | 1.766               | 1.750 | 5.4   |
| Dibenzo(a,h)anthracene     | 1.337  | 1.269               | 1.335  | 1.484               | 1.472  | 1.392               | 1.382 | 5.6   |
| Benzo(g,h,i)perylene       | 1.460  | 1.402               | 1.452  | 1.606               | 1.593  | 1.511               | 1.503 | 5.0   |
| 1,4-Dioxane                | 0.444  | 0.461               | 0.454  | 0.469               | 0.457  | 0.410               | 0.443 | 5.7   |

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BN080924 SAS No.: BN080924 SDG NO.: BN080924

EPA Sample No.: SSTDICCC0.4 Date Analyzed: Aug 9 2024 12:00AM

Lab File ID: BN033291.D Time Analyzed: 10:52

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                 | 4733                | 7.589 | 14352               | 10.35  | 8983                | 14.22  |
|    | UPPER LIMIT                 | 9466                | 8.089 | 28704               | 10.851 | 17966               | 14.722 |
|    | LOWER LIMIT                 | 2366.5              | 7.089 | 7176                | 9.851  | 4491.5              | 13.722 |
|    | EPA SAMPLE NO.              |                     |       |                     |        |                     |        |
| 01 | PB162593BL                  | 5124                | 7.59  | 13737               | 10.35  | 7190                | 14.22  |
| 02 | PB162593BS                  | 3827                | 7.59  | 10696               | 10.35  | 5951                | 14.22  |
| 03 | PB162593BSD                 | 4090                | 7.59  | 11363               | 10.35  | 6273                | 14.21  |
| 04 | GWBR-05-459-475-080724      | 4025                | 7.59  | 11201               | 10.35  | 6150                | 14.22  |
| 05 | TT189D2-HYD-20240806        | 4596                | 7.59  | 12652               | 10.35  | 6966                | 14.21  |
| 06 | BPOW6-7-HYD-20240806        | 5082                | 7.59  | 14094               | 10.35  | 7724                | 14.21  |
| 07 | TT189D2-HYD-20240806RE      | 4512                | 7.58  | 12206               | 10.35  | 6624                | 14.21  |
| 08 | BPOW6-7-HYD-20240806RE      | 4542                | 7.59  | 12275               | 10.35  | 6616                | 14.21  |
| 09 | PB162604BL                  | 3778                | 7.59  | 9973                | 10.35  | 5053                | 14.21  |
| 10 | PB162604BS                  | 4048                | 7.59  | 11253               | 10.35  | 6201                | 14.21  |
| 11 | 927-KI-SD-0-0.5-080724      | 4051                | 7.59  | 11430               | 10.35  | 6221                | 14.21  |
| 12 | 931-KI-SD-0-0.5-080724      | 4202                | 7.59  | 11866               | 10.35  | 6523                | 14.21  |
| 13 | 931-KI-SD-0-0.5-080724-SD   | 4750                | 7.59  | 13594               | 10.35  | 7620                | 14.21  |
| 14 | 927-KI-SD-0.5-1.0-080724    | 4703                | 7.58  | 13536               | 10.35  | 7697                | 14.21  |
| 15 | 927-KI-SD-0.5-1.0-080724MS  | 4573                | 7.58  | 13254               | 10.35  | 7837                | 14.21  |
| 16 | 927-KI-SD-0.5-1.0-080724MSD | 4063                | 7.58  | 11931               | 10.35  | 7078                | 14.21  |
| 17 | 931-KI-SD-0.5-1.0-080724    | 4380                | 7.58  | 12673               | 10.35  | 7330                | 14.21  |
| 18 | 931-KI-SD-0.5-1.0-080724-FD | 4029                | 7.58  | 11626               | 10.35  | 6502                | 14.21  |
|    |                             |                     |       |                     |        |                     |        |

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BN080924 SAS No.: BN080924 SDG NO.: BN080924

EPA Sample No.: SSTDICCC0.4 Date Analyzed: Aug 10 2024 12:00AM

Lab File ID: BN033291.D Time Analyzed: 00:22

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    | 4733                | 7.589 | 14352               | 10.35  | 8983                | 14.22  |
| UPPER LIMIT    | 9466                | 8.089 | 28704               | 10.851 | 17966               | 14.722 |
| LOWER LIMIT    | 2366.5              | 7.089 | 7176                | 9.851  | 4491.5              | 13.722 |
| 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.: BN080924 SAS No.: BN080924 SDG NO.: BN080924

EPA Sample No.: SSTDCCC0.4 Date Analyzed: Aug 9 2024 12:00AM

Lab File ID: BN033311.D Time Analyzed: 10:52

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               | 4149                | 7.587 | 11627               | 10.35  | 6393                | 14.21  |
| UPPER LIMIT               | 8298                | 8.087 | 23254               | 10.849 | 12786               | 14.712 |
| LOWER LIMIT               | 2074.5              | 7.087 | 5813.5              | 9.849  | 3196.5              | 13.712 |
| EPA SAMPLE NO.            |                     |       |                     |        |                     |        |
| 01 PB162593BL             | 5124                | 7.59  | 13737               | 10.35  | 7190                | 14.22  |
| 02 PB162593BS             | 3827                | 7.59  | 10696               | 10.35  | 5951                | 14.22  |
| 03 PB162593BSD            | 4090                | 7.59  | 11363               | 10.35  | 6273                | 14.21  |
| 04 GWBR-05-459-475-080724 | 4025                | 7.59  | 11201               | 10.35  | 6150                | 14.22  |
| 05 TT189D2-HYD-20240806   | 4596                | 7.59  | 12652               | 10.35  | 6966                | 14.21  |
| 06 BPOW6-7-HYD-20240806   | 5082                | 7.59  | 14094               | 10.35  | 7724                | 14.21  |
| 07 TT189D2-HYD-20240806RE | 4512                | 7.58  | 12206               | 10.35  | 6624                | 14.21  |
| 08 BPOW6-7-HYD-20240806RE | 4542                | 7.59  | 12275               | 10.35  | 6616                | 14.21  |

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.: BN080924 SAS No.: BN080924 SDG NO.: BN080924

EPA Sample No.: SSTDCCC0.4 Date Analyzed: Aug 9 2024 12:00AM

Lab File ID: BN033322.D Time Analyzed: 18:55

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                    | 4193                | 7.587 | 11697               | 10.35  | 6396                | 14.21  |
| UPPER LIMIT                    | 8386                | 8.087 | 23394               | 10.849 | 12792               | 14.712 |
| LOWER LIMIT                    | 2096.5              | 7.087 | 5848.5              | 9.849  | 3198                | 13.712 |
| EPA SAMPLE NO.                 |                     |       |                     |        |                     |        |
| 01 PB162604BL                  | 3778                | 7.59  | 9973                | 10.35  | 5053                | 14.21  |
| 02 PB162604BS                  | 4048                | 7.59  | 11253               | 10.35  | 6201                | 14.21  |
| 03 927-KI-SD-0-0.5-080724      | 4051                | 7.59  | 11430               | 10.35  | 6221                | 14.21  |
| 04 931-KI-SD-0-0.5-080724      | 4202                | 7.59  | 11866               | 10.35  | 6523                | 14.21  |
| 05 931-KI-SD-0-0.5-080724-SD   | 4750                | 7.59  | 13594               | 10.35  | 7620                | 14.21  |
| 06 927-KI-SD-0.5-1.0-080724    | 4703                | 7.58  | 13536               | 10.35  | 7697                | 14.21  |
| 07 927-KI-SD-0.5-1.0-080724MS  | 4573                | 7.58  | 13254               | 10.35  | 7837                | 14.21  |
| 08 927-KI-SD-0.5-1.0-080724MSD | 4063                | 7.58  | 11931               | 10.35  | 7078                | 14.21  |
| 09 931-KI-SD-0.5-1.0-080724    | 4380                | 7.58  | 12673               | 10.35  | 7330                | 14.21  |
| 10 931-KI-SD-0.5-1.0-080724-FD | 4029                | 7.58  | 11626               | 10.35  | 6502                | 14.21  |

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.: BN080924 SAS No.: BN080924 SDG NO.: BN080924

EPA Sample No.: SSTDICCC0.4 Date Analyzed: Aug 9 2024 12:00AM

Lab File ID: BN033291.D Time Analyzed: 10:52

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                 | 21364               | 16.97 | 20550               | 21.178 | 23954               | 23.361 |
|    | UPPER LIMIT                 | 42728               | 17.47 | 41100               | 21.678 | 47908               | 23.861 |
|    | LOWER LIMIT                 | 10682               | 16.47 | 10275               | 20.678 | 11977               | 22.861 |
|    | EPA SAMPLE NO.              |                     |       |                     |        |                     |        |
| 01 | PB162593BL                  | 18300               | 16.97 | 15017               | 21.17  | 15169               | 23.36  |
| 02 | PB162593BS                  | 14275               | 16.97 | 12386               | 21.17  | 13252               | 23.36  |
| 03 | PB162593BSD                 | 14647               | 16.97 | 12424               | 21.18  | 13057               | 23.36  |
| 04 | GWBR-05-459-475-080724      | 15199               | 16.97 | 15723               | 21.18  | 19416               | 23.36  |
| 05 | TT189D2-HYD-20240806        | 16671               | 16.97 | 15314               | 21.18  | 15443               | 23.36  |
| 06 | BPOW6-7-HYD-20240806        | 18399               | 16.97 | 15980               | 21.17  | 15462               | 23.36  |
| 07 | TT189D2-HYD-20240806RE      | 15760               | 16.97 | 13557               | 21.18  | 12553               | 23.36  |
| 08 | BPOW6-7-HYD-20240806RE      | 15748               | 16.97 | 13503               | 21.17  | 12099               | 23.36  |
| 09 | PB162604BL                  | 13034               | 16.97 | 10601               | 21.17  | 10624 *             | 23.36  |
| 10 | PB162604BS                  | 14645               | 16.97 | 12628               | 21.17  | 14003               | 23.36  |
| 11 | 927-KI-SD-0-0.5-080724      | 15203               | 16.97 | 14790               | 21.18  | 17835               | 23.36  |
| 12 | 931-KI-SD-0-0.5-080724      | 15734               | 16.97 | 14597               | 21.17  | 17622               | 23.35  |
| 13 | 931-KI-SD-0-0.5-080724-SD   | 18205               | 16.96 | 16552               | 21.18  | 19235               | 23.35  |
| 14 | 927-KI-SD-0.5-1.0-080724    | 18787               | 16.97 | 17852               | 21.17  | 20644               | 23.36  |
| 15 | 927-KI-SD-0.5-1.0-080724MS  | 19551               | 16.96 | 19358               | 21.17  | 21956               | 23.35  |
| 16 | 927-KI-SD-0.5-1.0-080724MSI | 17819               | 16.96 | 17834               | 21.17  | 20446               | 23.35  |
| 17 | 931-KI-SD-0.5-1.0-080724    | 17875               | 16.96 | 16664               | 21.17  | 19212               | 23.35  |
| 18 | 931-KI-SD-0.5-1.0-080724-FI | 15964               | 16.97 | 14746               | 21.17  | 17088               | 23.35  |

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BN080924 SAS No.: BN080924 SDG NO.: BN080924

EPA Sample No.: SSTDICCC0.4 Date Analyzed: Aug 10 2024 12:00AM

Lab File ID: BN033291.D Time Analyzed: 00:22

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    | 21364               | 16.97 | 20550               | 21.178 | 23954               | 23.361 |
| UPPER LIMIT    | 42728               | 17.47 | 41100               | 21.678 | 47908               | 23.861 |
| LOWER LIMIT    | 10682               | 16.47 | 10275               | 20.678 | 11977               | 22.861 |
| 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.: BN080924 SAS No.: BN080924 SDG NO.: BN080924

EPA Sample No.: SSTDCCC0.4 Date Analyzed: Aug 9 2024 12:00AM

Lab File ID: BN033311.D Time Analyzed: 10:52

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               | 15304               | 16.971 | 12967               | 21.175 | 13810               | 23.364 |
| UPPER LIMIT               | 30608               | 17.471 | 25934               | 21.675 | 27620               | 23.864 |
| LOWER LIMIT               | 7652                | 16.471 | 6483.5              | 20.675 | 6905                | 22.864 |
| EPA SAMPLE NO.            |                     |        |                     |        |                     |        |
| 01 PB162593BL             | 18300               | 16.97  | 15017               | 21.17  | 15169               | 23.36  |
| 02 PB162593BS             | 14275               | 16.97  | 12386               | 21.17  | 13252               | 23.36  |
| 03 PB162593BSD            | 14647               | 16.97  | 12424               | 21.18  | 13057               | 23.36  |
| 04 GWBR-05-459-475-080724 | 15199               | 16.97  | 15723               | 21.18  | 19416               | 23.36  |
| 05 TT189D2-HYD-20240806   | 16671               | 16.97  | 15314               | 21.18  | 15443               | 23.36  |
| 06 BPOW6-7-HYD-20240806   | 18399               | 16.97  | 15980               | 21.17  | 15462               | 23.36  |
| 07 TT189D2-HYD-20240806RE | 15760               | 16.97  | 13557               | 21.18  | 12553               | 23.36  |
| 08 BPOW6-7-HYD-20240806RE | 15748               | 16.97  | 13503               | 21.17  | 12099               | 23.36  |

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.: BN080924 SAS No.: BN080924 SDG NO.: BN080924

EPA Sample No.: SSTDCCC0.4 Date Analyzed: Aug 9 2024 12:00AM

Lab File ID: BN033322.D Time Analyzed: 18:55

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                    | 14966               | 16.971 | 13185               | 21.175 | 14779               | 23.358 |
| UPPER LIMIT                    | 29932               | 17.471 | 26370               | 21.675 | 29558               | 23.858 |
| LOWER LIMIT                    | 7483                | 16.471 | 6592.5              | 20.675 | 7389.5              | 22.858 |
| EPA SAMPLE NO.                 |                     |        |                     |        |                     |        |
| 01 PB162604BL                  | 13034               | 16.97  | 10601               | 21.17  | 10624               | 23.36  |
| 02 PB162604BS                  | 14645               | 16.97  | 12628               | 21.17  | 14003               | 23.36  |
| 03 927-KI-SD-0-0.5-080724      | 15203               | 16.97  | 14790               | 21.18  | 17835               | 23.36  |
| 04 931-KI-SD-0-0.5-080724      | 15734               | 16.97  | 14597               | 21.17  | 17622               | 23.35  |
| 05 931-KI-SD-0-0.5-080724-SD   | 18205               | 16.96  | 16552               | 21.18  | 19235               | 23.35  |
| 06 927-KI-SD-0.5-1.0-080724    | 18787               | 16.97  | 17852               | 21.17  | 20644               | 23.36  |
| 07 927-KI-SD-0.5-1.0-080724MS  | 19551               | 16.96  | 19358               | 21.17  | 21956               | 23.35  |
| 08 927-KI-SD-0.5-1.0-080724MSI | 17819               | 16.96  | 17834               | 21.17  | 20446               | 23.35  |
| 09 931-KI-SD-0.5-1.0-080724    | 17875               | 16.96  | 16664               | 21.17  | 19212               | 23.35  |
| 10 931-KI-SD-0.5-1.0-080724-FI | 15964               | 16.97  | 14746               | 21.17  | 17088               | 23.35  |

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.: BN080924

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

Analytical Method: **8270-Modified**

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

| Lab Sample ID | Parameter                  | Spike | Result | Unit | Rec | RPD | RPD  |      | Limits |      | RPD |
|---------------|----------------------------|-------|--------|------|-----|-----|------|------|--------|------|-----|
|               |                            |       |        |      |     |     | Qual | Qual | Low    | High |     |
| PB162593BS    | n-Nitrosodimethylamine     | 0.4   | 0.43   | ug/L | 108 |     |      |      | 33     | 130  |     |
|               | bis(2-Chloroethyl)ether    | 0.4   | 0.39   | ug/L | 98  |     |      |      | 55     | 118  |     |
|               | Naphthalene                | 0.4   | 0.41   | ug/L | 103 |     |      |      | 67     | 120  |     |
|               | Hexachlorobutadiene        | 0.4   | 0.44   | ug/L | 110 |     |      |      | 33     | 114  |     |
|               | 2-Methylnaphthalene        | 0.4   | 0.39   | ug/L | 98  |     |      |      | 50     | 122  |     |
|               | Acenaphthylene             | 0.4   | 0.39   | ug/L | 98  |     |      |      | 60     | 119  |     |
|               | Acenaphthene               | 0.4   | 0.43   | ug/L | 108 |     |      |      | 65     | 119  |     |
|               | Total PAH                  | 6.4   | 6.41   | ug/L | 100 |     |      |      | 65     | 119  |     |
|               | Fluorene                   | 0.4   | 0.42   | ug/L | 105 |     |      |      | 58     | 122  |     |
|               | 4,6-Dinitro-2-methylphenol | 0.4   | 0.52   | ug/L | 130 |     |      |      | 20     | 150  |     |
|               | 4-Bromophenyl-phenylether  | 0.4   | 0.41   | ug/L | 103 |     |      |      | 20     | 150  |     |
|               | Hexachlorobenzene          | 0.4   | 0.44   | ug/L | 110 |     |      |      | 62     | 127  |     |
|               | Atrazine                   | 0.4   | 0.32   | ug/L | 80  |     |      |      | 20     | 150  |     |
|               | Pentachlorophenol          | 0.8   | 0.34   | ug/L | 43  |     |      |      | 10     | 137  |     |
|               | Phenanthrene               | 0.4   | 0.41   | ug/L | 103 |     |      |      | 65     | 117  |     |
|               | Anthracene                 | 0.4   | 0.36   | ug/L | 90  |     |      |      | 57     | 118  |     |
|               | Fluoranthene               | 0.4   | 0.39   | ug/L | 98  |     |      |      | 53     | 126  |     |
|               | Pyrene                     | 0.4   | 0.43   | ug/L | 108 |     |      |      | 54     | 124  |     |
|               | Benzo(a)anthracene         | 0.4   | 0.37   | ug/L | 93  |     |      |      | 54     | 130  |     |
|               | Chrysene                   | 0.4   | 0.43   | ug/L | 108 |     |      |      | 64     | 126  |     |
|               | bis(2-Ethylhexyl)phthalate | 0.4   | 0.27   | ug/L | 68  |     |      |      | 40     | 137  |     |
|               | Benzo(b)fluoranthene       | 0.4   | 0.4    | ug/L | 100 |     |      |      | 65     | 121  |     |
|               | Benzo(k)fluoranthene       | 0.4   | 0.44   | ug/L | 110 |     |      |      | 72     | 119  |     |
|               | Benzo(a)pyrene             | 0.4   | 0.37   | ug/L | 93  |     |      |      | 68     | 120  |     |
|               | Indeno(1,2,3-cd)pyrene     | 0.4   | 0.38   | ug/L | 95  |     |      |      | 70     | 127  |     |
|               | Dibenz(a,h)anthracene      | 0.4   | 0.38   | ug/L | 95  |     |      |      | 65     | 121  |     |
|               | Benzo(g,h,i)perylene       | 0.4   | 0.4    | ug/L | 100 |     |      |      | 76     | 117  |     |
|               | 1,4-Dioxane                | 0.4   | 0.4    | ug/L | 100 |     |      |      | 60     | 132  |     |
| PB162593BSD   | n-Nitrosodimethylamine     | 0.4   | 0.42   | ug/L | 105 | 2   |      |      | 33     | 130  | 20  |
|               | bis(2-Chloroethyl)ether    | 0.4   | 0.39   | ug/L | 98  | 0   |      |      | 55     | 118  | 20  |
|               | Naphthalene                | 0.4   | 0.4    | ug/L | 100 | 2   |      |      | 67     | 120  | 20  |
|               | Hexachlorobutadiene        | 0.4   | 0.44   | ug/L | 110 | 0   |      |      | 33     | 114  | 20  |
|               | 2-Methylnaphthalene        | 0.4   | 0.38   | ug/L | 95  | 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   | 6.38   | ug/L | 100 | 0   |      |      | 65     | 119  | 20  |
|               | Fluorene                   | 0.4   | 0.41   | ug/L | 103 | 2   |      |      | 58     | 122  | 20  |
|               | 4,6-Dinitro-2-methylphenol | 0.4   | 0.53   | ug/L | 133 | 2   |      |      | 20     | 150  | 20  |
|               | 4-Bromophenyl-phenylether  | 0.4   | 0.4    | ug/L | 100 | 2   |      |      | 20     | 150  | 20  |
|               | Hexachlorobenzene          | 0.4   | 0.45   | ug/L | 113 | 2   |      |      | 62     | 127  | 20  |
|               | Atrazine                   | 0.4   | 0.32   | ug/L | 80  | 0   |      |      | 20     | 150  | 20  |
|               | Pentachlorophenol          | 0.8   | 0.34   | ug/L | 43  | 0   |      |      | 10     | 137  | 20  |
|               | Phenanthrene               | 0.4   | 0.42   | ug/L | 105 | 2   |      |      | 65     | 117  | 20  |
|               | Anthracene                 | 0.4   | 0.36   | ug/L | 90  | 0   |      |      | 57     | 118  | 20  |

## Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: BN080924

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

Analytical Method: **8270-Modified**

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

| Lab Sample ID | Parameter                  | Spike | Result | Unit | Rec | RPD | RPD  |      | Limits |      |     |
|---------------|----------------------------|-------|--------|------|-----|-----|------|------|--------|------|-----|
|               |                            |       |        |      |     |     | Qual | Qual | Low    | High | RPD |
| PB162593BSD   | Fluoranthene               | 0.4   | 0.39   | ug/L | 98  | 0   |      |      | 53     | 126  | 20  |
|               | Pyrene                     | 0.4   | 0.43   | ug/L | 108 | 0   |      |      | 54     | 124  | 20  |
|               | Benzo(a)anthracene         | 0.4   | 0.38   | ug/L | 95  | 3   |      |      | 54     | 130  | 20  |
|               | Chrysene                   | 0.4   | 0.43   | ug/L | 108 | 0   |      |      | 64     | 126  | 20  |
|               | bis(2-Ethylhexyl)phthalate | 0.4   | 0.28   | ug/L | 70  | 4   |      |      | 40     | 137  | 20  |
|               | Benzo(b)fluoranthene       | 0.4   | 0.41   | ug/L | 103 | 2   |      |      | 65     | 121  | 20  |
|               | Benzo(k)fluoranthene       | 0.4   | 0.44   | ug/L | 110 | 0   |      |      | 72     | 119  | 20  |
|               | Benzo(a)pyrene             | 0.4   | 0.37   | ug/L | 93  | 0   |      |      | 68     | 120  | 20  |
|               | Indeno(1,2,3-cd)pyrene     | 0.4   | 0.37   | ug/L | 93  | 3   |      |      | 70     | 127  | 20  |
|               | Dibenz(a,h)anthracene      | 0.4   | 0.37   | ug/L | 93  | 3   |      |      | 65     | 121  | 20  |
|               | Benzo(g,h,i)perylene       | 0.4   | 0.39   | ug/L | 98  | 3   |      |      | 76     | 117  | 20  |
|               | 1,4-Dioxane                | 0.4   | 0.42   | ug/L | 105 | 5   |      |      | 60     | 132  | 20  |

## Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: BN080924

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

Analytical Method: **8270-Modified**

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

| Lab Sample ID | Parameter                  | Spike | Result | Unit  | Rec | RPD | Qual | RPD  |     | Limits |     |
|---------------|----------------------------|-------|--------|-------|-----|-----|------|------|-----|--------|-----|
|               |                            |       |        |       |     |     |      | Qual | Low | High   | RPD |
| PB162604BS    | n-Nitrosodimethylamine     | 13.3  | 14.5   | ug/Kg | 109 |     |      |      | 27  | 120    |     |
|               | bis(2-Chloroethyl)ether    | 13.3  | 13     | ug/Kg | 98  |     |      |      | 48  | 114    |     |
|               | Naphthalene                | 13.3  | 13.6   | ug/Kg | 102 |     |      |      | 63  | 120    |     |
|               | Hexachlorobutadiene        | 13.3  | 14.7   | ug/Kg | 111 |     |      |      | 47  | 116    |     |
|               | 2-Methylnaphthalene        | 13.3  | 12.9   | ug/Kg | 97  |     |      |      | 54  | 111    |     |
|               | Acenaphthylene             | 13.3  | 13     | ug/Kg | 98  |     |      |      | 61  | 110    |     |
|               | Acenaphthene               | 13.3  | 14.3   | ug/Kg | 108 |     |      |      | 65  | 112    |     |
|               | Total PAH                  | 212.8 | 211.5  | ug/Kg | 99  |     |      |      | 65  | 112    |     |
|               | Fluorene                   | 13.3  | 14     | ug/Kg | 105 |     |      |      | 61  | 115    |     |
|               | 4,6-Dinitro-2-methylphenol | 13.3  | 17.3   | ug/Kg | 130 |     |      |      | 20  | 150    |     |
|               | 4-Bromophenyl-phenylether  | 13.3  | 13.4   | ug/Kg | 101 |     |      |      | 20  | 150    |     |
|               | Hexachlorobenzene          | 13.3  | 14.8   | ug/Kg | 111 |     |      |      | 52  | 117    |     |
|               | Atrazine                   | 13.3  | 10.7   | ug/Kg | 80  |     |      |      | 20  | 150    |     |
|               | Pentachlorophenol          | 26.6  | 12.1   | ug/Kg | 45  |     | *    |      | 47  | 116    |     |
|               | Phenanthrene               | 13.3  | 13.8   | ug/Kg | 104 |     |      |      | 61  | 120    |     |
|               | Anthracene                 | 13.3  | 12.2   | ug/Kg | 92  |     |      |      | 60  | 115    |     |
|               | Fluoranthene               | 13.3  | 13.1   | ug/Kg | 98  |     |      |      | 56  | 124    |     |
|               | Pyrene                     | 13.3  | 14.4   | ug/Kg | 108 |     |      |      | 58  | 125    |     |
|               | Benzo(a)anthracene         | 13.3  | 12.8   | ug/Kg | 96  |     |      |      | 45  | 129    |     |
|               | Chrysene                   | 13.3  | 14.3   | ug/Kg | 108 |     |      |      | 62  | 123    |     |
|               | bis(2-Ethylhexyl)phthalate | 13.3  | 9.6    | ug/Kg | 72  |     |      |      | 60  | 119    |     |
|               | Benzo(b)fluoranthene       | 13.3  | 13     | ug/Kg | 98  |     |      |      | 47  | 123    |     |
|               | Benzo(k)fluoranthene       | 13.3  | 14.3   | ug/Kg | 108 |     |      |      | 69  | 123    |     |
|               | Benzo(a)pyrene             | 13.3  | 11.7   | ug/Kg | 88  |     |      |      | 53  | 123    |     |
|               | Indeno(1,2,3-cd)pyrene     | 13.3  | 12     | ug/Kg | 90  |     |      |      | 62  | 131    |     |
|               | Dibenz(a,h)anthracene      | 13.3  | 12.1   | ug/Kg | 91  |     |      |      | 57  | 120    |     |
|               | Benzo(g,h,i)perylene       | 13.3  | 12.9   | ug/Kg | 97  |     |      |      | 66  | 121    |     |
|               | 1,4-Dioxane                | 13.3  | 13.2   | ug/Kg | 99  |     |      |      | 70  | 130    |     |

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB162593BL

Lab Name: CHEMTECH

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

Lab Code: CHEM Case No.: BN080924

SAS No.: BN080924 SDG NO.: BN080924

Lab File ID: BN033312.D

Lab Sample ID: PB162593BL

Instrument ID: BNA\_N

Date Extracted: 08/08/2024

Matrix: (soil/water) Water

Date Analyzed: 08/09/2024

Level: (low/med) LOW

Time Analyzed: 10:52

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 |
|------------------------|------------------|----------------|------------------|
| PB162593BS             | PB162593BS       | BN033313.D     | 08/09/2024       |
| PB162593BSD            | PB162593BSD      | BN033314.D     | 08/09/2024       |
| GWBR-05-459-475-080724 | P3514-01         | BN033315.D     | 08/09/2024       |
| TT189D2-HYD-20240806   | P3515-02         | BN033316.D     | 08/09/2024       |
| BPOW6-7-HYD-20240806   | P3515-03         | BN033317.D     | 08/09/2024       |

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

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB162604BL

Lab Name: CHEMTECH

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

Lab Code: CHEM Case No.: BN080924

SAS No.: BN080924 SDG NO.: BN080924

Lab File ID: BN033323.D

Lab Sample ID: PB162604BL

Instrument ID: BNA\_N

Date Extracted: 08/09/2024

Matrix: (soil/water) Solid

Date Analyzed: 08/09/2024

Level: (low/med) LOW

Time Analyzed: 18:55

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 |
|-----------------------------|------------------|----------------|------------------|
| PB162604BS                  | PB162604BS       | BN033324.D     | 08/09/2024       |
| 927-KI-SD-0-0.5-080724      | P3512-01         | BN033325.D     | 08/09/2024       |
| 931-KI-SD-0-0.5-080724      | P3512-02         | BN033326.D     | 08/09/2024       |
| 931-KI-SD-0-0.5-080724-SD   | P3512-03         | BN033327.D     | 08/09/2024       |
| 927-KI-SD-0.5-1.0-080724    | P3512-04         | BN033328.D     | 08/09/2024       |
| 927-KI-SD-0.5-1.0-080724MS  | P3512-04MS       | BN033329.D     | 08/09/2024       |
| 927-KI-SD-0.5-1.0-080724MSD | P3512-04MSD      | BN033330.D     | 08/09/2024       |
| 931-KI-SD-0.5-1.0-080724    | P3512-05         | BN033331.D     | 08/09/2024       |
| 931-KI-SD-0.5-1.0-080724-FD | P3512-06         | BN033332.D     | 08/10/2024       |

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

**Matrix Spike/Matrix Spike Duplicate Summary**

**SW-846**

**SDG No.:** BN080924

**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: P3512-04MS</b> |       | <b>Client Sample ID: 927-K1-SD-0.5-1.0-080724MS</b> |        | <b>DataFile: BN033329.D</b> |     |          |     |          |     |             |     |
| n-Nitrosodimethylamine           | 18.6  |                                                     | 19     | ug/Kg                       | 102 |          |     |          | 19  | 144         |     |
| bis(2-Chloroethyl)ether          | 18.6  |                                                     | 18.6   | ug/Kg                       | 100 |          |     |          | 43  | 134         |     |
| Naphthalene                      | 18.6  |                                                     | 18.4   | ug/Kg                       | 99  |          |     |          | 37  | 129         |     |
| Hexachlorobutadiene              | 18.6  |                                                     | 17.8   | ug/Kg                       | 96  |          |     |          | 37  | 132         |     |
| 2-Methylnaphthalene              | 18.6  |                                                     | 18.5   | ug/Kg                       | 99  |          |     |          | 37  | 139         |     |
| Acenaphthylene                   | 18.6  | 1.4                                                 | 19.4   | ug/Kg                       | 97  |          |     |          | 21  | 147         |     |
| Acenaphthene                     | 18.6  | 1.8                                                 | 20.6   | ug/Kg                       | 101 |          |     |          | 19  | 141         |     |
| Total PAH                        | 297.6 | 271.2                                               | 546.4  | ug/Kg                       | 92  |          |     |          | 19  | 141         |     |
| Fluorene                         | 18.6  | 1.8                                                 | 20.1   | ug/Kg                       | 98  |          |     |          | 10  | 167         |     |
| 4,6-Dinitro-2-methylphenol       | 18.6  |                                                     | 21.2   | ug/Kg                       | 114 |          |     |          | 20  | 150         |     |
| 4-Bromophenyl-phenylether        | 18.6  |                                                     | 17.4   | ug/Kg                       | 94  |          |     |          | 20  | 150         |     |
| Hexachlorobenzene                | 18.6  |                                                     | 18     | ug/Kg                       | 97  |          |     |          | 43  | 132         |     |
| Atrazine                         | 18.6  |                                                     | 15.7   | ug/Kg                       | 84  |          |     |          | 20  | 150         |     |
| Pentachlorophenol                | 37.3  |                                                     | 9.1    | ug/Kg                       | 24  |          |     |          | 10  | 146         |     |
| Phenanthrene                     | 18.6  | 19.6                                                | 37.2   | ug/Kg                       | 95  |          |     |          | 27  | 146         |     |
| Anthracene                       | 18.6  | 4.9                                                 | 23     | ug/Kg                       | 97  |          |     |          | 12  | 166         |     |
| Fluoranthene                     | 18.6  | 50.7                                                | 66.4   | ug/Kg                       | 84  |          |     |          | 20  | 150         |     |
| Pyrene                           | 18.6  | 41.9                                                | 56.3   | ug/Kg                       | 77  |          |     |          | 10  | 163         |     |
| Benzo(a)anthracene               | 18.6  | 22.3                                                | 39.2   | ug/Kg                       | 91  |          |     |          | 10  | 175         |     |
| Chrysene                         | 18.6  | 26.2                                                | 43.2   | ug/Kg                       | 91  |          |     |          | 32  | 143         |     |
| bis(2-Ethylhexyl)phthalate       | 18.6  | 0                                                   | 15.5   | ug/Kg                       | 83  |          |     |          | 39  | 159         |     |
| Benzo(b)fluoranthene             | 18.6  | 34                                                  | 48     | ug/Kg                       | 75  |          |     |          | 10  | 188         |     |
| Benzo(k)fluoranthene             | 18.6  | 11.7                                                | 33     | ug/Kg                       | 115 |          |     |          | 42  | 122         |     |
| Benzo(a)pyrene                   | 18.6  | 23.5                                                | 41.8   | ug/Kg                       | 98  |          |     |          | 10  | 175         |     |
| Indeno(1,2,3-cd)pyrene           | 18.6  | 12.5                                                | 29.4   | ug/Kg                       | 91  |          |     |          | 10  | 175         |     |
| Dibenz(a,h)anthracene            | 18.6  | 3.5                                                 | 20     | ug/Kg                       | 89  |          |     |          | 10  | 170         |     |
| Benzo(g,h,i)perylene             | 18.6  | 15.4                                                | 30.4   | ug/Kg                       | 81  |          |     |          | 10  | 168         |     |
| 1,4-Dioxane                      | 18.6  |                                                     | 16.1   | ug/Kg                       | 87  |          |     |          | 70  | 130         |     |

**Matrix Spike/Matrix Spike Duplicate Summary**

**SW-846**

**SDG No.:** BN080924

**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: P3512-04MSD</b> |       | <b>Client Sample ID: 927-K1-SD-0.5-1.0-080724MSD</b> |        | <b>DataFile: BN033330.D</b> |     |          |     |          |     |             |     |
| n-Nitrosodimethylamine            | 18.7  |                                                      | 18.6   | ug/Kg                       | 99  |          | 3   |          | 19  | 144         | 20  |
| bis(2-Chloroethyl)ether           | 18.7  |                                                      | 18.6   | ug/Kg                       | 99  |          | 1   |          | 43  | 134         | 20  |
| Naphthalene                       | 18.7  |                                                      | 18.2   | ug/Kg                       | 97  |          | 2   |          | 37  | 129         | 20  |
| Hexachlorobutadiene               | 18.7  |                                                      | 17.4   | ug/Kg                       | 93  |          | 3   |          | 37  | 132         | 20  |
| 2-Methylnaphthalene               | 18.7  |                                                      | 18.5   | ug/Kg                       | 99  |          | 0   |          | 37  | 139         | 20  |
| Acenaphthylene                    | 18.7  | 1.4                                                  | 19.6   | ug/Kg                       | 97  |          | 0   |          | 21  | 147         | 20  |
| Acenaphthene                      | 18.7  | 1.8                                                  | 20.4   | ug/Kg                       | 99  |          | 2   |          | 19  | 141         | 20  |
| Total PAH                         | 299.2 | 271.2                                                | 544.2  | ug/Kg                       | 91  |          | 1   |          | 19  | 141         | 20  |
| Fluorene                          | 18.7  | 1.8                                                  | 20.1   | ug/Kg                       | 98  |          | 0   |          | 10  | 167         | 20  |
| 4,6-Dinitro-2-methylphenol        | 18.7  |                                                      | 20.7   | ug/Kg                       | 111 |          | 3   |          | 20  | 150         | 20  |
| 4-Bromophenyl-phenylether         | 18.7  |                                                      | 17.3   | ug/Kg                       | 93  |          | 1   |          | 20  | 150         | 20  |
| Hexachlorobenzene                 | 18.7  |                                                      | 17.9   | ug/Kg                       | 96  |          | 1   |          | 43  | 132         | 20  |
| Atrazine                          | 18.7  |                                                      | 15.8   | ug/Kg                       | 84  |          | 0   |          | 20  | 150         | 20  |
| Pentachlorophenol                 | 37.3  |                                                      | 8.6    | ug/Kg                       | 23  |          | 4   |          | 10  | 146         | 20  |
| Phenanthrene                      | 18.7  | 19.6                                                 | 37     | ug/Kg                       | 93  |          | 2   |          | 27  | 146         | 20  |
| Anthracene                        | 18.7  | 4.9                                                  | 22.6   | ug/Kg                       | 95  |          | 2   |          | 12  | 166         | 20  |
| Fluoranthene                      | 18.7  | 50.7                                                 | 66.4   | ug/Kg                       | 84  |          | 0   |          | 20  | 150         | 20  |
| Pyrene                            | 18.7  | 41.9                                                 | 55.8   | ug/Kg                       | 74  |          | 4   |          | 10  | 163         | 20  |
| Benzo(a)anthracene                | 18.7  | 22.3                                                 | 39.3   | ug/Kg                       | 91  |          | 0   |          | 10  | 175         | 20  |
| Chrysene                          | 18.7  | 26.2                                                 | 43.2   | ug/Kg                       | 91  |          | 0   |          | 32  | 143         | 20  |
| bis(2-Ethylhexyl)phthalate        | 18.7  | 0                                                    | 15.3   | ug/Kg                       | 82  |          | 1   |          | 39  | 159         | 20  |
| Benzo(b)fluoranthene              | 18.7  | 34                                                   | 48.4   | ug/Kg                       | 77  |          | 3   |          | 10  | 188         | 20  |
| Benzo(k)fluoranthene              | 18.7  | 11.7                                                 | 31.4   | ug/Kg                       | 105 |          | 9   |          | 42  | 122         | 20  |
| Benzo(a)pyrene                    | 18.7  | 23.5                                                 | 41.4   | ug/Kg                       | 96  |          | 2   |          | 10  | 175         | 20  |
| Indeno(1,2,3-cd)pyrene            | 18.7  | 12.5                                                 | 29.7   | ug/Kg                       | 92  |          | 1   |          | 10  | 175         | 20  |
| Dibenz(a,h)anthracene             | 18.7  | 3.5                                                  | 20     | ug/Kg                       | 88  |          | 1   |          | 10  | 170         | 20  |
| Benzo(g,h,i)perylene              | 18.7  | 15.4                                                 | 30.7   | ug/Kg                       | 82  |          | 1   |          | 10  | 168         | 20  |
| 1,4-Dioxane                       | 18.7  |                                                      | 16.3   | ug/Kg                       | 87  |          | 0   |          | 70  | 130         | 20  |

## Surrogate Summary

SW-846

SDG No.: **BN080924**

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

Analytical Method: **8270-Modified**

| Lab Sample ID | Client ID       | Datafile   | Parameter               | Spike<br>(PPM) | Result<br>(PPM) | Recovery (%) | Qual | Limits (%) |      |
|---------------|-----------------|------------|-------------------------|----------------|-----------------|--------------|------|------------|------|
|               |                 |            |                         |                |                 |              |      | Low        | High |
| P3514-01      | GWBR-05-459-475 | BN033315.D | 2-Methylnaphthalene-d10 | 0.4            | 0.36            | 91           |      | 30         | 150  |
|               |                 |            | Fluoranthene-d10        | 0.4            | 0.42            | 105          |      | 30         | 150  |
|               |                 |            | 2-Fluorophenol          | 0.4            | 0.16            | 40           |      | 10         | 92   |
|               |                 |            | Phenol-d6               | 0.4            | 0.10            | 25           |      | 10         | 100  |
|               |                 |            | Nitrobenzene-d5         | 0.4            | 0.42            | 104          |      | 11         | 175  |
|               |                 |            | 2-Fluorobiphenyl        | 0.4            | 0.47            | 117          |      | 10         | 175  |
|               |                 |            | 2,4,6-Tribromophenol    | 0.4            | 0.38            | 95           |      | 24         | 148  |
|               |                 |            | Terphenyl-d14           | 0.4            | 0.50            | 125          |      | 54         | 171  |
| P3515-02      | TT189D2-HYD-20  | BN033316.D | 2-Methylnaphthalene-d10 | 0.4            | 0.00            | 1            | *    | 30         | 150  |
|               |                 |            | Fluoranthene-d10        | 0.4            | 0.18            | 44           |      | 30         | 150  |
|               |                 |            | 2-Fluorophenol          | 0.4            | 0.02            | 4            | *    | 10         | 92   |
|               |                 |            | Phenol-d6               | 0.4            | 0.00            | 1            | *    | 10         | 100  |
|               |                 |            | Nitrobenzene-d5         | 0.4            | 0.44            | 109          |      | 11         | 175  |
|               |                 |            | 2-Fluorobiphenyl        | 0.4            | 0.46            | 116          |      | 10         | 175  |
|               |                 |            | 2,4,6-Tribromophenol    | 0.4            | 0.19            | 48           |      | 24         | 148  |
|               |                 |            | Terphenyl-d14           | 0.4            | 0.49            | 123          |      | 54         | 171  |
| P3515-02RE    | TT189D2-HYD-20  | BN033318.D | 2-Methylnaphthalene-d10 | 0.4            | 0.00            | 0            | *    | 30         | 150  |
|               |                 |            | Fluoranthene-d10        | 0.4            | 0.17            | 42           |      | 30         | 150  |
|               |                 |            | 2-Fluorophenol          | 0.4            | 0.02            | 4            | *    | 10         | 92   |
|               |                 |            | Phenol-d6               | 0.4            | 0.00            | 0            | *    | 10         | 100  |
|               |                 |            | Nitrobenzene-d5         | 0.4            | 0.45            | 112          |      | 11         | 175  |
|               |                 |            | 2-Fluorobiphenyl        | 0.4            | 0.46            | 116          |      | 10         | 175  |
|               |                 |            | 2,4,6-Tribromophenol    | 0.4            | 0.18            | 45           |      | 24         | 148  |
|               |                 |            | Terphenyl-d14           | 0.4            | 0.50            | 125          |      | 54         | 171  |
| P3515-03      | BPOW6-7-HYD-20  | BN033317.D | 2-Methylnaphthalene-d10 | 0.4            | 0.01            | 2            | *    | 30         | 150  |
|               |                 |            | Fluoranthene-d10        | 0.4            | 0.27            | 68           |      | 30         | 150  |
|               |                 |            | 2-Fluorophenol          | 0.4            | 0.07            | 17           |      | 10         | 92   |
|               |                 |            | Phenol-d6               | 0.4            | 0.00            | 0            | *    | 10         | 100  |
|               |                 |            | Nitrobenzene-d5         | 0.4            | 0.36            | 91           |      | 11         | 175  |
|               |                 |            | 2-Fluorobiphenyl        | 0.4            | 0.38            | 94           |      | 10         | 175  |
|               |                 |            | 2,4,6-Tribromophenol    | 0.4            | 0.26            | 64           |      | 24         | 148  |
|               |                 |            | Terphenyl-d14           | 0.4            | 0.44            | 111          |      | 54         | 171  |
| P3515-03RE    | BPOW6-7-HYD-20  | BN033319.D | 2-Methylnaphthalene-d10 | 0.4            | 0.01            | 1            | *    | 30         | 150  |
|               |                 |            | Fluoranthene-d10        | 0.4            | 0.27            | 67           |      | 30         | 150  |
|               |                 |            | 2-Fluorophenol          | 0.4            | 0.06            | 16           |      | 10         | 92   |
|               |                 |            | Phenol-d6               | 0.4            | 0.00            | 0            | *    | 10         | 100  |
|               |                 |            | Nitrobenzene-d5         | 0.4            | 0.37            | 94           |      | 11         | 175  |
|               |                 |            | 2-Fluorobiphenyl        | 0.4            | 0.39            | 96           |      | 10         | 175  |
|               |                 |            | 2,4,6-Tribromophenol    | 0.4            | 0.25            | 63           |      | 24         | 148  |
|               |                 |            | Terphenyl-d14           | 0.4            | 0.44            | 110          |      | 54         | 171  |
| PB162593BL    | PB162593BL      | BN033312.D | 2-Methylnaphthalene-d10 | 0.4            | 0.26            | 65           |      | 30         | 150  |
|               |                 |            | Fluoranthene-d10        | 0.4            | 0.26            | 66           |      | 30         | 150  |
|               |                 |            | 2-Fluorophenol          | 0.4            | 0.27            | 67           |      | 10         | 92   |
|               |                 |            | Phenol-d6               | 0.4            | 0.25            | 63           |      | 10         | 100  |
|               |                 |            | Nitrobenzene-d5         | 0.4            | 0.31            | 77           |      | 11         | 175  |
|               |                 |            | 2-Fluorobiphenyl        | 0.4            | 0.31            | 78           |      | 10         | 175  |
|               |                 |            | 2,4,6-Tribromophenol    | 0.4            | 0.23            | 56           |      | 24         | 148  |
|               |                 |            | Terphenyl-d14           | 0.4            | 0.33            | 83           |      | 54         | 171  |
| PB162593BS    | PB162593BS      | BN033313.D | 2-Methylnaphthalene-d10 | 0.4            | 0.37            | 94           |      | 30         | 150  |

## Surrogate Summary

SW-846

SDG No.: BN080924

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

Analytical Method: 8270-Modified

| Lab Sample ID | Client ID   | Datafile   | Parameter               | Spike<br>(PPM) | Result<br>(PPM) | Recovery (%) | Qual | Limits (%) |      |
|---------------|-------------|------------|-------------------------|----------------|-----------------|--------------|------|------------|------|
|               |             |            |                         |                |                 |              |      | Low        | High |
| PB162593BS    | PB162593BS  | BN033313.D | Fluoranthene-d10        | 0.4            | 0.36            | 91           |      | 30         | 150  |
|               |             |            | 2-Fluorophenol          | 0.4            | 0.34            | 86           |      | 10         | 92   |
|               |             |            | Phenol-d6               | 0.4            | 0.34            | 85           |      | 10         | 100  |
|               |             |            | Nitrobenzene-d5         | 0.4            | 0.43            | 108          |      | 11         | 175  |
|               |             |            | 2-Fluorobiphenyl        | 0.4            | 0.45            | 113          |      | 10         | 175  |
|               |             |            | 2,4,6-Tribromophenol    | 0.4            | 0.34            | 86           |      | 24         | 148  |
|               |             |            | Terphenyl-d14           | 0.4            | 0.39            | 98           |      | 54         | 171  |
|               |             |            | 2-Methylnaphthalene-d10 | 0.4            | 0.37            | 93           |      | 30         | 150  |
| PB162593BSD   | PB162593BSD | BN033314.D | Fluoranthene-d10        | 0.4            | 0.36            | 90           |      | 30         | 150  |
|               |             |            | 2-Fluorophenol          | 0.4            | 0.34            | 86           |      | 10         | 92   |
|               |             |            | Phenol-d6               | 0.4            | 0.34            | 84           |      | 10         | 100  |
|               |             |            | Nitrobenzene-d5         | 0.4            | 0.43            | 108          |      | 11         | 175  |
|               |             |            | 2-Fluorobiphenyl        | 0.4            | 0.45            | 113          |      | 10         | 175  |
|               |             |            | 2,4,6-Tribromophenol    | 0.4            | 0.34            | 84           |      | 24         | 148  |
|               |             |            | Terphenyl-d14           | 0.4            | 0.39            | 98           |      | 54         | 171  |
|               |             |            |                         |                |                 |              |      |            |      |

## Surrogate Summary

SW-846

SDG No.: BN080924

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

Analytical Method: 8270-Modified

| Lab Sample ID | Client ID                     | Datafile | Parameter               | Spike<br>(PPM) | Result<br>(PPM) | Recovery (%) | Qual | Limits (%) |      |
|---------------|-------------------------------|----------|-------------------------|----------------|-----------------|--------------|------|------------|------|
|               |                               |          |                         |                |                 |              |      | Low        | High |
| P3512-01      | 927-KI-SD-0-0.5-08BN033325.D  |          | 2-Methylnaphthalene-d10 | 0.4            | 0.09            | 22           |      | 21         | 128  |
|               |                               |          | Fluoranthene-d10        | 0.4            | 0.06            | 16           |      | 13         | 127  |
|               |                               |          | 2-Fluorophenol          | 0.4            | 0.13            | 32           |      | 28         | 122  |
|               |                               |          | Phenol-d6               | 0.4            | 0.13            | 32           |      | 12         | 126  |
|               |                               |          | Nitrobenzene-d5         | 0.4            | 0.14            | 36           |      | 14         | 112  |
|               |                               |          | 2-Fluorobiphenyl        | 0.4            | 0.10            | 24           |      | 22         | 114  |
|               |                               |          | 2,4,6-Tribromophenol    | 0.4            | 0.10            | 25           |      | 10         | 137  |
|               |                               |          | Terphenyl-d14           | 0.4            | 0.06            | 16           | *    | 21         | 130  |
| P3512-02      | 931-KI-SD-0-0.5-08BN033326.D  |          | 2-Methylnaphthalene-d10 | 0.4            | 0.20            | 49           |      | 21         | 128  |
|               |                               |          | Fluoranthene-d10        | 0.4            | 0.17            | 43           |      | 13         | 127  |
|               |                               |          | 2-Fluorophenol          | 0.4            | 0.24            | 60           |      | 28         | 122  |
|               |                               |          | Phenol-d6               | 0.4            | 0.25            | 61           |      | 12         | 126  |
|               |                               |          | Nitrobenzene-d5         | 0.4            | 0.27            | 67           |      | 14         | 112  |
|               |                               |          | 2-Fluorobiphenyl        | 0.4            | 0.23            | 57           |      | 22         | 114  |
|               |                               |          | 2,4,6-Tribromophenol    | 0.4            | 0.19            | 49           |      | 10         | 137  |
|               |                               |          | Terphenyl-d14           | 0.4            | 0.18            | 46           |      | 21         | 130  |
| P3512-03      | 931-KI-SD-0-0.5-08BN033327.D  |          | 2-Methylnaphthalene-d10 | 0.4            | 0.15            | 38           |      | 21         | 128  |
|               |                               |          | Fluoranthene-d10        | 0.4            | 0.13            | 33           |      | 13         | 127  |
|               |                               |          | 2-Fluorophenol          | 0.4            | 0.20            | 50           |      | 28         | 122  |
|               |                               |          | Phenol-d6               | 0.4            | 0.20            | 50           |      | 12         | 126  |
|               |                               |          | Nitrobenzene-d5         | 0.4            | 0.22            | 55           |      | 14         | 112  |
|               |                               |          | 2-Fluorobiphenyl        | 0.4            | 0.17            | 42           |      | 22         | 114  |
|               |                               |          | 2,4,6-Tribromophenol    | 0.4            | 0.15            | 36           |      | 10         | 137  |
|               |                               |          | Terphenyl-d14           | 0.4            | 0.14            | 35           |      | 21         | 130  |
| P3512-04      | 927-KI-SD-0.5-1.0- BN033328.D |          | 2-Methylnaphthalene-d10 | 0.4            | 0.21            | 51           |      | 21         | 128  |
|               |                               |          | Fluoranthene-d10        | 0.4            | 0.22            | 55           |      | 13         | 127  |
|               |                               |          | 2-Fluorophenol          | 0.4            | 0.22            | 54           |      | 28         | 122  |
|               |                               |          | Phenol-d6               | 0.4            | 0.23            | 58           |      | 12         | 126  |
|               |                               |          | Nitrobenzene-d5         | 0.4            | 0.25            | 63           |      | 14         | 112  |
|               |                               |          | 2-Fluorobiphenyl        | 0.4            | 0.23            | 58           |      | 22         | 114  |
|               |                               |          | 2,4,6-Tribromophenol    | 0.4            | 0.20            | 51           |      | 10         | 137  |
|               |                               |          | Terphenyl-d14           | 0.4            | 0.26            | 64           |      | 21         | 130  |
| P3512-04MS    | 927-KI-SD-0.5-1.0- BN033329.D |          | 2-Methylnaphthalene-d10 | 0.4            | 0.29            | 73           |      | 21         | 128  |
|               |                               |          | Fluoranthene-d10        | 0.4            | 0.21            | 52           |      | 13         | 127  |
|               |                               |          | 2-Fluorophenol          | 0.4            | 0.22            | 54           |      | 28         | 122  |
|               |                               |          | Phenol-d6               | 0.4            | 0.23            | 56           |      | 12         | 126  |
|               |                               |          | Nitrobenzene-d5         | 0.4            | 0.24            | 59           |      | 14         | 112  |
|               |                               |          | 2-Fluorobiphenyl        | 0.4            | 0.21            | 52           |      | 22         | 114  |
|               |                               |          | 2,4,6-Tribromophenol    | 0.4            | 0.20            | 49           |      | 10         | 137  |
|               |                               |          | Terphenyl-d14           | 0.4            | 0.24            | 59           |      | 21         | 130  |
| P3512-04MSD   | 927-KI-SD-0.5-1.0- BN033330.D |          | 2-Methylnaphthalene-d10 | 0.4            | 0.29            | 74           |      | 21         | 128  |
|               |                               |          | Fluoranthene-d10        | 0.4            | 0.21            | 52           |      | 13         | 127  |
|               |                               |          | 2-Fluorophenol          | 0.4            | 0.22            | 55           |      | 28         | 122  |
|               |                               |          | Phenol-d6               | 0.4            | 0.23            | 57           |      | 12         | 126  |
|               |                               |          | Nitrobenzene-d5         | 0.4            | 0.25            | 61           |      | 14         | 112  |
|               |                               |          | 2-Fluorobiphenyl        | 0.4            | 0.21            | 52           |      | 22         | 114  |
|               |                               |          | 2,4,6-Tribromophenol    | 0.4            | 0.20            | 50           |      | 10         | 137  |
|               |                               |          | Terphenyl-d14           | 0.4            | 0.23            | 58           |      | 21         | 130  |
| P3512-05      | 931-KI-SD-0.5-1.0- BN033331.D |          | 2-Methylnaphthalene-d10 | 0.4            | 0.30            | 75           |      | 21         | 128  |

## Surrogate Summary

SW-846

SDG No.: **BN080924**

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

Analytical Method: **8270-Modified**

| Lab Sample ID | Client ID                     | Datafile   | Parameter               | Spike<br>(PPM) | Result<br>(PPM) | Recovery (%) | Qual | Limits (%) |      |
|---------------|-------------------------------|------------|-------------------------|----------------|-----------------|--------------|------|------------|------|
|               |                               |            |                         |                |                 |              |      | Low        | High |
| P3512-05      | 931-KI-SD-0.5-1.0- BN033331.D |            | Fluoranthene-d10        | 0.4            | 0.30            | 74           |      | 13         | 127  |
|               |                               |            | 2-Fluorophenol          | 0.4            | 0.31            | 77           |      | 28         | 122  |
|               |                               |            | Phenol-d6               | 0.4            | 0.32            | 79           |      | 12         | 126  |
|               |                               |            | Nitrobenzene-d5         | 0.4            | 0.35            | 88           |      | 14         | 112  |
|               |                               |            | 2-Fluorobiphenyl        | 0.4            | 0.33            | 81           |      | 22         | 114  |
|               |                               |            | 2,4,6-Tribromophenol    | 0.4            | 0.25            | 63           |      | 10         | 137  |
|               |                               |            | Terphenyl-d14           | 0.4            | 0.33            | 83           |      | 21         | 130  |
| P3512-06      | 931-KI-SD-0.5-1.0- BN033332.D |            | 2-Methylnaphthalene-d10 | 0.4            | 0.21            | 52           |      | 21         | 128  |
|               |                               |            | Fluoranthene-d10        | 0.4            | 0.20            | 50           |      | 13         | 127  |
|               |                               |            | 2-Fluorophenol          | 0.4            | 0.23            | 56           |      | 28         | 122  |
|               |                               |            | Phenol-d6               | 0.4            | 0.23            | 57           |      | 12         | 126  |
|               |                               |            | Nitrobenzene-d5         | 0.4            | 0.27            | 67           |      | 14         | 112  |
|               |                               |            | 2-Fluorobiphenyl        | 0.4            | 0.24            | 59           |      | 22         | 114  |
|               |                               |            | 2,4,6-Tribromophenol    | 0.4            | 0.20            | 49           |      | 10         | 137  |
| PB162604BL    | PB162604BL                    | BN033323.D | Terphenyl-d14           | 0.4            | 0.21            | 53           |      | 21         | 130  |
|               |                               |            | 2-Methylnaphthalene-d10 | 0.4            | 0.36            | 89           |      | 21         | 128  |
|               |                               |            | Fluoranthene-d10        | 0.4            | 0.37            | 91           |      | 13         | 127  |
|               |                               |            | 2-Fluorophenol          | 0.4            | 0.36            | 90           |      | 28         | 122  |
|               |                               |            | Phenol-d6               | 0.4            | 0.35            | 88           |      | 12         | 126  |
|               |                               |            | Nitrobenzene-d5         | 0.4            | 0.43            | 108          |      | 14         | 112  |
|               |                               |            | 2-Fluorobiphenyl        | 0.4            | 0.45            | 113          |      | 22         | 114  |
| PB162604BS    | PB162604BS                    | BN033324.D | 2,4,6-Tribromophenol    | 0.4            | 0.24            | 61           |      | 10         | 137  |
|               |                               |            | Terphenyl-d14           | 0.4            | 0.47            | 116          |      | 21         | 130  |
|               |                               |            | 2-Methylnaphthalene-d10 | 0.4            | 0.37            | 92           |      | 21         | 128  |
|               |                               |            | Fluoranthene-d10        | 0.4            | 0.37            | 91           |      | 13         | 127  |
|               |                               |            | 2-Fluorophenol          | 0.4            | 0.34            | 85           |      | 28         | 122  |
|               |                               |            | Phenol-d6               | 0.4            | 0.34            | 85           |      | 12         | 126  |
|               |                               |            | Nitrobenzene-d5         | 0.4            | 0.45            | 111          |      | 14         | 112  |
|               |                               |            | 2-Fluorobiphenyl        | 0.4            | 0.45            | 113          |      | 22         | 114  |
|               |                               |            | 2,4,6-Tribromophenol    | 0.4            | 0.34            | 84           |      | 10         | 137  |
|               |                               |            | Terphenyl-d14           | 0.4            | 0.39            | 97           |      | 21         | 130  |

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK  
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: BN080924

Lab Code: CHEM

SAS No.: BN080924 SDG NO.: BN080924

Lab File ID: BN033310.D

DFTPP Injection Date: 08/09/2024

Instrument ID: BNA\_N

DFTPP Injection Time: 08:59

| m/e | ION ABUNDANCE CRITERIA             | % RELATIVE ABUNDANCE |
|-----|------------------------------------|----------------------|
| 51  | 10.0 - 80.0% of mass 198           | 46.6                 |
| 68  | Less than 2.0% of mass 69          | 0.8 ( 1.8 ) 1        |
| 69  | Mass 69 relative abundance         | 43.9                 |
| 70  | Less than 2.0% of mass 69          | 0.2 ( 0.5 ) 1        |
| 127 | 10.0 - 80.0% of mass 198           | 50.3                 |
| 197 | Less than 2.0% of mass 198         | 0.3                  |
| 198 | Base Peak, 100% relative abundance | 100                  |
| 199 | 5.0 to 9.0% of mass 198            | 6.8                  |
| 275 | 10.0 - 60.0% of mass 198           | 25                   |
| 365 | Greater than 1% of mass 198        | 3.1                  |
| 441 | Present, but less than mass 443    | 10.4                 |
| 442 | Greater than 50% of mass 198       | 66.3                 |
| 443 | 15.0 - 24.0% of mass 442           | 12.6 ( 18.9 ) 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       | BN033311.D     | 08/09/2024       | 10:16            |
| PB162593BL             | PB162593BL       | BN033312.D     | 08/09/2024       | 10:52            |
| PB162593BS             | PB162593BS       | BN033313.D     | 08/09/2024       | 11:28            |
| PB162593BSD            | PB162593BSD      | BN033314.D     | 08/09/2024       | 12:05            |
| GWBR-05-459-475-080724 | P3514-01         | BN033315.D     | 08/09/2024       | 12:41            |
| TT189D2-HYD-20240806   | P3515-02         | BN033316.D     | 08/09/2024       | 13:17            |
| BPOW6-7-HYD-20240806   | P3515-03         | BN033317.D     | 08/09/2024       | 13:54            |
| TT189D2-HYD-20240806RE | P3515-02RE       | BN033318.D     | 08/09/2024       | 14:46            |
| BPOW6-7-HYD-20240806RE | P3515-03RE       | BN033319.D     | 08/09/2024       | 15:22            |
| SSTDCCC0.4EC           | SSTDCCC0.4       | BN033320.D     | 08/09/2024       | 16:24            |

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK  
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: BN080924

Lab Code: CHEM

SAS No.: BN080924 SDG NO.: BN080924

Lab File ID: BN033321.D

DFTPP Injection Date: 08/09/2024

Instrument ID: BNA\_N

DFTPP Injection Time: 17:40

| m/e | ION ABUNDANCE CRITERIA             | % RELATIVE ABUNDANCE |
|-----|------------------------------------|----------------------|
| 51  | 10.0 - 80.0% of mass 198           | 46.1                 |
| 68  | Less than 2.0% of mass 69          | 0.7 ( 1.6 ) 1        |
| 69  | Mass 69 relative abundance         | 44.2                 |
| 70  | Less than 2.0% of mass 69          | 0.2 ( 0.5 ) 1        |
| 127 | 10.0 - 80.0% of mass 198           | 51.4                 |
| 197 | Less than 2.0% of mass 198         | 0.5                  |
| 198 | Base Peak, 100% relative abundance | 100                  |
| 199 | 5.0 to 9.0% of mass 198            | 6.8                  |
| 275 | 10.0 - 60.0% of mass 198           | 25.5                 |
| 365 | Greater than 1% of mass 198        | 3.1                  |
| 441 | Present, but less than mass 443    | 10.4                 |
| 442 | Greater than 50% of mass 198       | 62.3                 |
| 443 | 15.0 - 24.0% of mass 442           | 12.8 ( 20.5 ) 2      |

1-Value is % mass 69

2-Value is % mass 442

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

| EPA<br>SAMPLE NO.           | LAB<br>SAMPLE ID | LAB<br>FILE ID | DATE<br>ANALYZED | TIME<br>ANALYZED |
|-----------------------------|------------------|----------------|------------------|------------------|
| SSTDCCC0.4                  | SSTDCCC0.4       | BN033322.D     | 08/09/2024       | 18:19            |
| PB162604BL                  | PB162604BL       | BN033323.D     | 08/09/2024       | 18:55            |
| PB162604BS                  | PB162604BS       | BN033324.D     | 08/09/2024       | 19:32            |
| 927-KI-SD-0-0.5-080724      | P3512-01         | BN033325.D     | 08/09/2024       | 20:08            |
| 931-KI-SD-0-0.5-080724      | P3512-02         | BN033326.D     | 08/09/2024       | 20:44            |
| 931-KI-SD-0-0.5-080724-SD   | P3512-03         | BN033327.D     | 08/09/2024       | 21:21            |
| 927-KI-SD-0.5-1.0-080724    | P3512-04         | BN033328.D     | 08/09/2024       | 21:57            |
| 927-KI-SD-0.5-1.0-080724MS  | P3512-04MS       | BN033329.D     | 08/09/2024       | 22:33            |
| 927-KI-SD-0.5-1.0-080724MSD | P3512-04MSD      | BN033330.D     | 08/09/2024       | 23:09            |
| 931-KI-SD-0.5-1.0-080724    | P3512-05         | BN033331.D     | 08/09/2024       | 23:45            |
| 931-KI-SD-0.5-1.0-080724-FD | P3512-06         | BN033332.D     | 08/10/2024       | 00:22            |