

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

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

Lab Code: CHEM Case No.: BN120424 SAS No.: BN120424 SDG No.: BN120424

Instrument ID: BNA\_N Calibration Date/Time: 12/3/2024 1:16:35

Lab File ID: BN035406.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    | 0.626 | 0.600  |         | -4.153  | 20.0  |
| Fluoranthene-d10           | 1.134 | 1.017  |         | -10.317 | 20.0  |
| n-Nitrosodimethylamine     | 0.319 | 0.299  |         | -6.27   | 20.0  |
| 2-Fluorophenol             | 1.001 | 0.897  |         | -10.39  | 20.0  |
| Phenol-d6                  | 1.204 | 1.101  |         | -8.555  | 20.0  |
| bis(2-Chloroethyl)ether    | 1.012 | 0.953  |         | -5.83   | 20.0  |
| Nitrobenzene-d5            | 0.244 | 0.236  |         | -3.279  | 20.0  |
| Naphthalene                | 1.055 | 1.038  |         | -1.611  | 20.0  |
| Hexachlorobutadiene        | 0.243 | 0.255  |         | 4.938   | 20.0  |
| 2-Methylnaphthalene        | 0.755 | 0.736  |         | -2.517  | 20.0  |
| 2-Fluorobiphenyl           | 1.512 | 1.538  |         | 1.72    | 20.0  |
| Acenaphthylene             | 1.680 | 1.624  |         | -3.333  | 20.0  |
| Acenaphthene               | 1.115 | 1.078  |         | -3.318  | 20.0  |
| Fluorene                   | 1.596 | 1.543  |         | -3.321  | 20.0  |
| 4,6-Dinitro-2-methylphenol | 0.039 | 0.033  |         | -15.385 | 20.0  |
| 2,4,6-Tribromophenol       | 0.284 | 0.253  |         | -10.915 | 20.0  |
| 4-Bromophenyl-phenylether  | 0.234 | 0.232  |         | -0.855  | 20.0  |
| Hexachlorobenzene          | 0.275 | 0.288  |         | 4.727   | 20.0  |
| Atrazine                   | 0.167 | 0.136  |         | -18.563 | 20.0  |
| Pentachlorophenol          | 0.120 | 0.096  |         | -20.0   | 20.0  |
| Phenanthrene               | 1.099 | 1.079  |         | -1.82   | 20.0  |
| Anthracene                 | 0.994 | 0.930  |         | -6.439  | 20.0  |
| Fluoranthene               | 1.481 | 1.360  |         | -8.17   | 20.0  |
| Pyrene                     | 1.477 | 1.477  |         | 0.068   | 20.0  |
| Terphenyl-d14              | 0.789 | 0.767  |         | -2.788  | 20.0  |
| Benzo(a)anthracene         | 1.399 | 1.250  |         | -10.65  | 20.0  |
| Chrysene                   | 1.443 | 1.455  |         | 0.832   | 20.0  |
| Bis(2-ethylhexyl)phthalate | 0.553 | 0.457  |         | -17.36  | 20.0  |
| Benzo(b)fluoranthene       | 1.463 | 1.426  |         | -2.529  | 20.0  |
| Benzo(k)fluoranthene       | 1.440 | 1.489  |         | 3.403   | 20.0  |
| Benzo(a)pyrene             | 1.205 | 1.167  |         | -3.154  | 20.0  |
| Indeno(1,2,3-cd)pyrene     | 1.564 | 1.437  |         | -8.12   | 20.0  |
| Dibenzo(a,h)anthracene     | 1.234 | 1.107  |         | -10.292 | 20.0  |
| Benzo(g,h,i)perylene       | 1.290 | 1.235  |         | -4.264  | 20.0  |
| 1,4-Dioxane                | 0.382 | 0.365  |         | -4.45   | 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.: BN120424 SAS No.: BN120424 SDG No.: BN120424

Instrument ID: BNA\_N Calibration Date/Time: 12/3/2024 1: 21:11

Lab File ID: BN035413.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<br>RRF | %D      | MAX%D |
|----------------------------|-------|--------|------------|---------|-------|
| 2-Methylnaphthalene-d10    | 0.626 | 0.609  |            | -2.716  | 50.0  |
| Fluoranthene-d10           | 1.134 | 1.023  |            | -9.788  | 50.0  |
| n-Nitrosodimethylamine     | 0.319 | 0.294  |            | -7.837  | 50.0  |
| 2-Fluorophenol             | 1.001 | 0.907  |            | -9.391  | 50.0  |
| Phenol-d6                  | 1.204 | 1.095  |            | -9.053  | 50.0  |
| bis(2-Chloroethyl)ether    | 1.012 | 0.951  |            | -6.028  | 50.0  |
| Nitrobenzene-d5            | 0.244 | 0.240  |            | -1.639  | 50.0  |
| Naphthalene                | 1.055 | 1.055  |            | 0.0     | 50.0  |
| Hexachlorobutadiene        | 0.243 | 0.267  |            | 9.877   | 50.0  |
| 2-Methylnaphthalene        | 0.755 | 0.734  |            | -2.781  | 50.0  |
| 2-Fluorobiphenyl           | 1.512 | 1.547  |            | 2.315   | 50.0  |
| Acenaphthylene             | 1.680 | 1.601  |            | -4.702  | 50.0  |
| Acenaphthene               | 1.115 | 1.092  |            | -2.063  | 50.0  |
| Fluorene                   | 1.596 | 1.577  |            | -1.19   | 50.0  |
| 4,6-Dinitro-2-methylphenol | 0.039 | 0.035  |            | -10.256 | 50.0  |
| 2,4,6-Tribromophenol       | 0.284 | 0.256  |            | -9.859  | 50.0  |
| 4-Bromophenyl-phenylether  | 0.234 | 0.227  |            | -2.991  | 50.0  |
| Hexachlorobenzene          | 0.275 | 0.284  |            | 3.273   | 50.0  |
| Atrazine                   | 0.167 | 0.143  |            | -14.371 | 50.0  |
| Pentachlorophenol          | 0.120 | 0.086  |            | -28.333 | 50.0  |
| Phenanthrene               | 1.099 | 1.072  |            | -2.457  | 50.0  |
| Anthracene                 | 0.994 | 0.927  |            | -6.74   | 50.0  |
| Fluoranthene               | 1.481 | 1.363  |            | -7.968  | 50.0  |
| Pyrene                     | 1.477 | 1.512  |            | 2.439   | 50.0  |
| Terphenyl-d14              | 0.789 | 0.795  |            | 0.76    | 50.0  |
| Benzo(a)anthracene         | 1.399 | 1.280  |            | -8.506  | 50.0  |
| Chrysene                   | 1.443 | 1.445  |            | 0.139   | 50.0  |
| Bis(2-ethylhexyl)phthalate | 0.553 | 0.486  |            | -12.116 | 50.0  |
| Benzo(b)fluoranthene       | 1.463 | 1.669  |            | 14.081  | 50.0  |
| Benzo(k)fluoranthene       | 1.440 | 1.464  |            | 1.667   | 50.0  |
| Benzo(a)pyrene             | 1.205 | 1.094  |            | -9.212  | 50.0  |
| Indeno(1,2,3-cd)pyrene     | 1.564 | 1.461  |            | -6.586  | 50.0  |
| Dibenzo(a,h)anthracene     | 1.234 | 1.116  |            | -9.562  | 50.0  |
| Benzo(g,h,i)perylene       | 1.290 | 1.187  |            | -7.984  | 50.0  |
| 1,4-Dioxane                | 0.382 | 0.384  |            | 0.524   | 50.0  |

All other compounds must meet a minimum RRF of 0.010.

## Report of Analysis

|                    |                |                 |                       |
|--------------------|----------------|-----------------|-----------------------|
| Client:            |                | Date Collected: | 12/3/2024 12:00:00 AM |
| Project:           |                | Date Received:  | 12/3/2024 12:00:00 AM |
| Client Sample ID:  | PB165348BL     | SDG No.:        | BN120424              |
| Lab Sample ID:     | PB165348BL     | 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 |
| BN035407.D        | 1         | 12/3/2024 12:00:00 AM | 12/3/2024 12:00:00 AM | PB165348      |

| 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: | 12/3/2024 12:00:00 AM |
| Project:           |                        | Date Received:  | 12/3/2024 12:00:00 AM |
| Client Sample ID:  | PB165348BL             | SDG No.:        | BN120424              |
| Lab Sample ID:     | PB165348BL             | 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 |
| BN035407.D        | 1         | 12/3/2024 12:00:00 AM | 12/3/2024 12:00:00 AM | PB165348      |

| CAS Number                | Parameter               | Conc. | Qualifier | MDL    | LOD | LOQ / CRQL | Units     |
|---------------------------|-------------------------|-------|-----------|--------|-----|------------|-----------|
| <b>SURROGATES</b>         |                         |       |           |        |     |            |           |
| 7297-45-2                 | 2-Methylnaphthalene-d10 | 0.436 |           | 20-139 |     | 109        | SPK: -0.4 |
| 93951-69-0                | Fluoranthene-d10        | 0.418 |           | 30-150 |     | 104        | SPK: -0.4 |
| 367-12-4                  | 2-Fluorophenol          | 0.354 |           | 10-100 |     | 88         | SPK: -0.4 |
| 13127-88-3                | Phenol-d6               | 0.323 |           | 10-100 |     | 81         | SPK: -0.4 |
| 4165-60-0                 | Nitrobenzene-d5         | 0.401 |           | 27-123 |     | 100        | SPK: -0.4 |
| 321-60-8                  | 2-Fluorobiphenyl        | 0.423 |           | 34-132 |     | 106        | SPK: -0.4 |
| 118-79-6                  | 2,4,6-Tribromophenol    | 0.173 |           | 10-131 |     | 43         | SPK: -0.4 |
| 1718-51-0                 | Terphenyl-d14           | 0.512 |           | 35-157 |     | 128        | SPK: -0.4 |
| <b>INTERNAL STANDARDS</b> |                         |       |           |        |     |            |           |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4  | 1833  | 7.3       |        |     |            |           |
| 1146-65-2                 | Naphthalene-d8          | 4526  | 10.052    |        |     |            |           |
| 15067-26-2                | Acenaphthene-d10        | 3257  | 13.967    |        |     |            |           |
| 1517-22-2                 | Phenanthrene-d10        | 8120  | 16.735    |        |     |            |           |
| 1719-03-5                 | Chrysene-d12            | 6937  | 20.983    |        |     |            |           |
| 1520-96-3                 | Perylene-d12            | 6492  | 23.076    |        |     |            |           |

## Report of Analysis

|                    |                        |                 |                       |
|--------------------|------------------------|-----------------|-----------------------|
| Client:            |                        | Date Collected: | 12/3/2024 12:00:00 AM |
| Project:           |                        | Date Received:  | 12/3/2024 12:00:00 AM |
| Client Sample ID:  | PB165348BS             | SDG No.:        | BN120424              |
| Lab Sample ID:     | PB165348BS             | 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 |
| BN035408.D        | 1         | 12/3/2024 12:00:00 AM | 12/3/2024 12:00:00 AM | PB165348      |

| CAS Number     | Parameter                  | Conc. | Qualifier | MDL  | LOD | LOQ / CRQL | Units |
|----------------|----------------------------|-------|-----------|------|-----|------------|-------|
| <b>TARGETS</b> |                            |       |           |      |     |            |       |
| 62-75-9        | n-Nitrosodimethylamine     | 0.39  |           | 0.03 | 0.2 | 0.2        | ug/L  |
| 111-44-4       | bis(2-Chloroethyl)ether    | 0.37  |           | 0.03 | 0.1 | 0.1        | ug/L  |
| 91-20-3        | Naphthalene                | 0.38  |           | 0.02 | 0.1 | 0.1        | ug/L  |
| 87-68-3        | Hexachlorobutadiene        | 0.42  |           | 0.03 | 0.1 | 0.1        | ug/L  |
| 91-57-6        | 2-Methylnaphthalene        | 0.37  |           | 0.03 | 0.1 | 0.1        | ug/L  |
| 208-96-8       | Acenaphthylene             | 0.41  |           | 0.02 | 0.1 | 0.1        | ug/L  |
| 83-32-9        | Acenaphthene               | 0.39  |           | 0.02 | 0.1 | 0.1        | ug/L  |
| Total PAH      | Total PAH                  | 6.23  |           | 0.45 | 0.1 | 1.6        | ug/L  |
| 86-73-7        | Fluorene                   | 0.38  |           | 0.02 | 0.1 | 0.1        | ug/L  |
| 534-52-1       | 4,6-Dinitro-2-methylphenol | 0.33  |           | 0.14 | 0.2 | 0.2        | ug/L  |
| 101-55-3       | 4-Bromophenyl-phenylether  | 0.38  |           | 0.03 | 0.1 | 0.1        | ug/L  |
| 118-74-1       | Hexachlorobenzene          | 0.39  |           | 0.03 | 0.1 | 0.1        | ug/L  |
| 1912-24-9      | Atrazine                   | 0.34  |           | 0.02 | 0.1 | 0.1        | ug/L  |
| 87-86-5        | Pentachlorophenol          | 0.53  |           | 0.09 | 0.2 | 0.2        | ug/L  |
| 85-01-8        | Phenanthrene               | 0.39  |           | 0.02 | 0.1 | 0.1        | ug/L  |
| 120-12-7       | Anthracene                 | 0.39  |           | 0.02 | 0.1 | 0.1        | ug/L  |
| 206-44-0       | Fluoranthene               | 0.35  |           | 0.02 | 0.1 | 0.1        | ug/L  |
| 129-00-0       | Pyrene                     | 0.4   |           | 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                   | 0.41  |           | 0.03 | 0.1 | 0.1        | ug/L  |
| 117-81-7       | Bis(2-ethylhexyl)phthalate | 0.36  |           | 0.14 | 0.2 | 0.2        | ug/L  |
| 205-99-2       | Benzo(b)fluoranthene       | 0.39  |           | 0.03 | 0.1 | 0.1        | ug/L  |
| 207-08-9       | Benzo(k)fluoranthene       | 0.43  |           | 0.03 | 0.1 | 0.1        | ug/L  |
| 50-32-8        | Benzo(a)pyrene             | 0.42  |           | 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     | 0.37  |           | 0.04 | 0.1 | 0.1        | ug/L  |
| 191-24-2       | Benzo(g,h,i)perylene       | 0.37  |           | 0.04 | 0.1 | 0.1        | ug/L  |
| 123-91-1       | 1,4-Dioxane                | 0.37  |           | 0.07 | 0.2 | 0.2        | ug/L  |

## Report of Analysis

|                    |                        |                 |                       |
|--------------------|------------------------|-----------------|-----------------------|
| Client:            |                        | Date Collected: | 12/3/2024 12:00:00 AM |
| Project:           |                        | Date Received:  | 12/3/2024 12:00:00 AM |
| Client Sample ID:  | PB165348BS             | SDG No.:        | BN120424              |
| Lab Sample ID:     | PB165348BS             | 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 |
| BN035408.D        | 1         | 12/3/2024 12:00:00 AM | 12/3/2024 12:00:00 AM | PB165348      |

| CAS Number                | Parameter               | Conc. | Qualifier | MDL    | LOD | LOQ / CRQL | Units     |
|---------------------------|-------------------------|-------|-----------|--------|-----|------------|-----------|
| <b>SURROGATES</b>         |                         |       |           |        |     |            |           |
| 7297-45-2                 | 2-Methylnaphthalene-d10 | 0.519 |           | 20-139 |     | 130        | SPK: -0.4 |
| 93951-69-0                | Fluoranthene-d10        | 0.398 |           | 30-150 |     | 100        | SPK: -0.4 |
| 367-12-4                  | 2-Fluorophenol          | 0.348 |           | 10-100 |     | 87         | SPK: -0.4 |
| 13127-88-3                | Phenol-d6               | 0.329 |           | 10-100 |     | 82         | SPK: -0.4 |
| 4165-60-0                 | Nitrobenzene-d5         | 0.448 |           | 27-123 |     | 112        | SPK: -0.4 |
| 321-60-8                  | 2-Fluorobiphenyl        | 0.431 |           | 34-132 |     | 108        | SPK: -0.4 |
| 118-79-6                  | 2,4,6-Tribromophenol    | 0.231 |           | 10-131 |     | 58         | SPK: -0.4 |
| 1718-51-0                 | Terphenyl-d14           | 0.464 |           | 35-157 |     | 116        | SPK: -0.4 |
| <b>INTERNAL STANDARDS</b> |                         |       |           |        |     |            |           |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4  | 2152  | 7.301     |        |     |            |           |
| 1146-65-2                 | Naphthalene-d8          | 5114  | 10.052    |        |     |            |           |
| 15067-26-2                | Acenaphthene-d10        | 3359  | 13.957    |        |     |            |           |
| 1517-22-2                 | Phenanthrene-d10        | 8334  | 16.723    |        |     |            |           |
| 1719-03-5                 | Chrysene-d12            | 7507  | 20.974    |        |     |            |           |
| 1520-96-3                 | Perylene-d12            | 6897  | 23.067    |        |     |            |           |

## Report of Analysis

|                    |                |                 |                       |
|--------------------|----------------|-----------------|-----------------------|
| Client:            |                | Date Collected: | 12/3/2024 12:00:00 AM |
| Project:           |                | Date Received:  | 12/3/2024 12:00:00 AM |
| Client Sample ID:  | PB165348BSD    | SDG No.:        | BN120424              |
| Lab Sample ID:     | PB165348BSD    | 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 |
| BN035409.D        | 1         | 12/3/2024 12:00:00 AM | 12/3/2024 12:00:00 AM | PB165348      |

| CAS Number     | Parameter                  | Conc. | Qualifier | MDL  | LOD | LOQ / CRQL | Units |
|----------------|----------------------------|-------|-----------|------|-----|------------|-------|
| <b>TARGETS</b> |                            |       |           |      |     |            |       |
| 62-75-9        | n-Nitrosodimethylamine     | 0.44  |           | 0.03 | 0.2 | 0.2        | ug/L  |
| 111-44-4       | bis(2-Chloroethyl)ether    | 0.41  |           | 0.03 | 0.1 | 0.1        | ug/L  |
| 91-20-3        | Naphthalene                | 0.42  |           | 0.02 | 0.1 | 0.1        | ug/L  |
| 87-68-3        | Hexachlorobutadiene        | 0.46  |           | 0.03 | 0.1 | 0.1        | ug/L  |
| 91-57-6        | 2-Methylnaphthalene        | 0.41  |           | 0.03 | 0.1 | 0.1        | ug/L  |
| 208-96-8       | Acenaphthylene             | 0.45  |           | 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                  | 7.08  |           | 0.45 | 0.1 | 1.6        | ug/L  |
| 86-73-7        | Fluorene                   | 0.43  |           | 0.02 | 0.1 | 0.1        | ug/L  |
| 534-52-1       | 4,6-Dinitro-2-methylphenol | 0.39  |           | 0.14 | 0.2 | 0.2        | ug/L  |
| 101-55-3       | 4-Bromophenyl-phenylether  | 0.43  |           | 0.03 | 0.1 | 0.1        | ug/L  |
| 118-74-1       | Hexachlorobenzene          | 0.43  |           | 0.03 | 0.1 | 0.1        | ug/L  |
| 1912-24-9      | Atrazine                   | 0.39  |           | 0.02 | 0.1 | 0.1        | ug/L  |
| 87-86-5        | Pentachlorophenol          | 0.61  |           | 0.09 | 0.2 | 0.2        | ug/L  |
| 85-01-8        | Phenanthrene               | 0.43  |           | 0.02 | 0.1 | 0.1        | ug/L  |
| 120-12-7       | Anthracene                 | 0.43  |           | 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         | 0.41  |           | 0.02 | 0.1 | 0.1        | ug/L  |
| 218-01-9       | Chrysene                   | 0.45  |           | 0.03 | 0.1 | 0.1        | ug/L  |
| 117-81-7       | Bis(2-ethylhexyl)phthalate | 0.4   |           | 0.14 | 0.2 | 0.2        | ug/L  |
| 205-99-2       | Benzo(b)fluoranthene       | 0.65  |           | 0.03 | 0.1 | 0.1        | ug/L  |
| 207-08-9       | Benzo(k)fluoranthene       | 0.47  |           | 0.03 | 0.1 | 0.1        | ug/L  |
| 50-32-8        | Benzo(a)pyrene             | 0.45  |           | 0.06 | 0.1 | 0.1        | ug/L  |
| 193-39-5       | Indeno(1,2,3-cd)pyrene     | 0.42  |           | 0.04 | 0.1 | 0.1        | ug/L  |
| 53-70-3        | Dibenzo(a,h)anthracene     | 0.41  |           | 0.04 | 0.1 | 0.1        | ug/L  |
| 191-24-2       | Benzo(g,h,i)perylene       | 0.41  |           | 0.04 | 0.1 | 0.1        | ug/L  |
| 123-91-1       | 1,4-Dioxane                | 0.41  |           | 0.07 | 0.2 | 0.2        | ug/L  |

## Report of Analysis

|                    |                        |                 |                       |
|--------------------|------------------------|-----------------|-----------------------|
| Client:            |                        | Date Collected: | 12/3/2024 12:00:00 AM |
| Project:           |                        | Date Received:  | 12/3/2024 12:00:00 AM |
| Client Sample ID:  | PB165348BSD            | SDG No.:        | BN120424              |
| Lab Sample ID:     | PB165348BSD            | 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 |
| BN035409.D        | 1         | 12/3/2024 12:00:00 AM | 12/3/2024 12:00:00 AM | PB165348      |

| CAS Number                | Parameter               | Conc. | Qualifier | MDL    | LOD | LOQ / CRQL | Units     |
|---------------------------|-------------------------|-------|-----------|--------|-----|------------|-----------|
| <b>SURROGATES</b>         |                         |       |           |        |     |            |           |
| 7297-45-2                 | 2-Methylnaphthalene-d10 | 0.567 | *         | 20-139 |     | 142        | SPK: -0.4 |
| 93951-69-0                | Fluoranthene-d10        | 0.431 |           | 30-150 |     | 108        | SPK: -0.4 |
| 367-12-4                  | 2-Fluorophenol          | 0.386 |           | 10-100 |     | 97         | SPK: -0.4 |
| 13127-88-3                | Phenol-d6               | 0.362 |           | 10-100 |     | 90         | SPK: -0.4 |
| 4165-60-0                 | Nitrobenzene-d5         | 0.507 | *         | 27-123 |     | 127        | SPK: -0.4 |
| 321-60-8                  | 2-Fluorobiphenyl        | 0.461 |           | 34-132 |     | 115        | SPK: -0.4 |
| 118-79-6                  | 2,4,6-Tribromophenol    | 0.253 |           | 10-131 |     | 63         | SPK: -0.4 |
| 1718-51-0                 | Terphenyl-d14           | 0.495 |           | 35-157 |     | 124        | SPK: -0.4 |
| <b>INTERNAL STANDARDS</b> |                         |       |           |        |     |            |           |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4  | 1951  | 7.301     |        |     |            |           |
| 1146-65-2                 | Naphthalene-d8          | 4691  | 10.052    |        |     |            |           |
| 15067-26-2                | Acenaphthene-d10        | 3099  | 13.957    |        |     |            |           |
| 1517-22-2                 | Phenanthrene-d10        | 7726  | 16.723    |        |     |            |           |
| 1719-03-5                 | Chrysene-d12            | 7120  | 20.974    |        |     |            |           |
| 1520-96-3                 | Perylene-d12            | 6595  | 23.064    |        |     |            |           |



## Report of Analysis

|                    |                    |                 |                       |
|--------------------|--------------------|-----------------|-----------------------|
| Client:            |                    | Date Collected: | 12/2/2024 12:00:00 AM |
| Project:           |                    | Date Received:  | 12/2/2024 12:00:00 AM |
| Client Sample ID:  | RW7-SP200-20241202 | SDG No.:        | BN120424              |
| Lab Sample ID:     | P5065-04           | 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 |
| BN035410.D        | 1         | 12/3/2024 12:00:00 AM | 12/3/2024 12:00:00 AM | PB165348      |

| 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  | J         | 0.03 | 0.1  | 0.1        | ug/L  |
| 91-20-3        | Naphthalene                | 0.02  | U         | 0.02 | 0.1  | 0.1        | ug/L  |
| 87-68-3        | Hexachlorobutadiene        | 0.03  | U         | 0.03 | 0.1  | 0.1        | ug/L  |
| 91-57-6        | 2-Methylnaphthalene        | 0.03  | U         | 0.03 | 0.1  | 0.1        | ug/L  |
| 208-96-8       | Acenaphthylene             | 0.02  | U         | 0.02 | 0.1  | 0.1        | ug/L  |
| 83-32-9        | Acenaphthene               | 0.02  | U         | 0.02 | 0.1  | 0.1        | ug/L  |
| Total PAH      | Total PAH                  | 0.46  | U         | 0.46 | 0.1  | 1.6        | ug/L  |
| 86-73-7        | Fluorene                   | 0.02  | U         | 0.02 | 0.1  | 0.1        | ug/L  |
| 534-52-1       | 4,6-Dinitro-2-methylphenol | 0.14  | U         | 0.14 | 0.21 | 0.21       | ug/L  |
| 101-55-3       | 4-Bromophenyl-phenylether  | 0.03  | U         | 0.03 | 0.1  | 0.1        | ug/L  |
| 118-74-1       | Hexachlorobenzene          | 0.03  | U         | 0.03 | 0.1  | 0.1        | ug/L  |
| 1912-24-9      | Atrazine                   | 0.02  | U         | 0.02 | 0.1  | 0.1        | ug/L  |
| 87-86-5        | Pentachlorophenol          | 0.09  | U         | 0.09 | 0.21 | 0.21       | ug/L  |
| 85-01-8        | Phenanthrene               | 0.02  | U         | 0.02 | 0.1  | 0.1        | ug/L  |
| 120-12-7       | Anthracene                 | 0.02  | U         | 0.02 | 0.1  | 0.1        | ug/L  |
| 206-44-0       | Fluoranthene               | 0.02  | U         | 0.02 | 0.1  | 0.1        | ug/L  |
| 129-00-0       | Pyrene                     | 0.02  | U         | 0.02 | 0.1  | 0.1        | ug/L  |
| 56-55-3        | Benzo(a)anthracene         | 0.02  | U         | 0.02 | 0.1  | 0.1        | ug/L  |
| 218-01-9       | Chrysene                   | 0.03  | U         | 0.03 | 0.1  | 0.1        | ug/L  |
| 117-81-7       | Bis(2-ethylhexyl)phthalate | 0.14  | U         | 0.14 | 0.21 | 0.21       | ug/L  |
| 205-99-2       | Benzo(b)fluoranthene       | 0.03  | U         | 0.03 | 0.1  | 0.1        | ug/L  |
| 207-08-9       | Benzo(k)fluoranthene       | 0.04  | U         | 0.04 | 0.1  | 0.1        | ug/L  |
| 50-32-8        | Benzo(a)pyrene             | 0.06  | U         | 0.06 | 0.1  | 0.1        | ug/L  |
| 193-39-5       | Indeno(1,2,3-cd)pyrene     | 0.04  | U         | 0.04 | 0.1  | 0.1        | ug/L  |
| 53-70-3        | Dibenzo(a,h)anthracene     | 0.04  | U         | 0.04 | 0.1  | 0.1        | ug/L  |
| 191-24-2       | Benzo(g,h,i)perylene       | 0.04  | U         | 0.04 | 0.1  | 0.1        | ug/L  |
| 123-91-1       | 1,4-Dioxane                | 3.3   |           | 0.07 | 0.21 | 0.21       | ug/L  |

## Report of Analysis

|                    |                       |                 |                       |
|--------------------|-----------------------|-----------------|-----------------------|
| Client:            |                       | Date Collected: | 12/2/2024 12:00:00 AM |
| Project:           |                       | Date Received:  | 12/2/2024 12:00:00 AM |
| Client Sample ID:  | RW7-SP200-20241202    | SDG No.:        | BN120424              |
| Lab Sample ID:     | P5065-04              | 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 |
| BN035410.D        | 1         | 12/3/2024 12:00:00 AM | 12/3/2024 12:00:00 AM | PB165348      |

| CAS Number                | Parameter               | Conc. | Qualifier | MDL    | LOD | LOQ / CRQL | Units     |
|---------------------------|-------------------------|-------|-----------|--------|-----|------------|-----------|
| <b>SURROGATES</b>         |                         |       |           |        |     |            |           |
| 7297-45-2                 | 2-Methylnaphthalene-d10 | 0.362 |           | 20-139 |     | 90         | SPK: -0.4 |
| 93951-69-0                | Fluoranthene-d10        | 0.373 |           | 30-150 |     | 93         | SPK: -0.4 |
| 367-12-4                  | 2-Fluorophenol          | 0.096 |           | 10-100 |     | 24         | SPK: -0.4 |
| 13127-88-3                | Phenol-d6               | 0.06  |           | 10-100 |     | 15         | SPK: -0.4 |
| 4165-60-0                 | Nitrobenzene-d5         | 0.327 |           | 27-123 |     | 82         | SPK: -0.4 |
| 321-60-8                  | 2-Fluorobiphenyl        | 0.365 |           | 34-132 |     | 91         | SPK: -0.4 |
| 118-79-6                  | 2,4,6-Tribromophenol    | 0.198 |           | 10-131 |     | 50         | SPK: -0.4 |
| 1718-51-0                 | Terphenyl-d14           | 0.54  |           | 35-157 |     | 135        | SPK: -0.4 |
| <b>INTERNAL STANDARDS</b> |                         |       |           |        |     |            |           |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4  | 2075  | 7.308     |        |     |            |           |
| 1146-65-2                 | Naphthalene-d8          | 5240  | 10.052    |        |     |            |           |
| 15067-26-2                | Acenaphthene-d10        | 3772  | 13.957    |        |     |            |           |
| 1517-22-2                 | Phenanthrene-d10        | 9570  | 16.723    |        |     |            |           |
| 1719-03-5                 | Chrysene-d12            | 8675  | 20.974    |        |     |            |           |
| 1520-96-3                 | Perylene-d12            | 8373  | 23.064    |        |     |            |           |

## Report of Analysis

|                    |                       |                 |                       |
|--------------------|-----------------------|-----------------|-----------------------|
| Client:            |                       | Date Collected: | 12/2/2024 12:00:00 AM |
| Project:           |                       | Date Received:  | 12/2/2024 12:00:00 AM |
| Client Sample ID:  | RW7-SP201-20241202    | SDG No.:        | BN120424              |
| Lab Sample ID:     | P5065-05              | Matrix:         | Water                 |
| Analytical Method: | 8270-Modified         | % Moisture:     | 100                   |
| Sample Wt/Vol:     | 980      Units:    mL | Final Vol:      | 1000      uL          |
| Soil Aliquot Vol:  | uL                    | Test:           |                       |
| Extraction Type :  | Decanted :            | Level :         | LOW                   |
| Injection Volume : | GPC Factor :          | GPC Cleanup :   | PH :                  |

|                   |           |                       |                       |               |
|-------------------|-----------|-----------------------|-----------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date             | Date Analyzed         | Prep Batch ID |
| BN035411.D        | 1         | 12/3/2024 12:00:00 AM | 12/3/2024 12:00:00 AM | PB165348      |

| 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: | 12/2/2024 12:00:00 AM |
| Project:           |                       | Date Received:  | 12/2/2024 12:00:00 AM |
| Client Sample ID:  | RW7-SP201-20241202    | SDG No.:        | BN120424              |
| Lab Sample ID:     | P5065-05              | Matrix:         | Water                 |
| Analytical Method: | 8270-Modified         | % Moisture:     | 100                   |
| Sample Wt/Vol:     | 980      Units:    mL | Final Vol:      | 1000      uL          |
| Soil Aliquot Vol:  | uL                    | Test:           |                       |
| Extraction Type :  | Decanted :            | Level :         | LOW                   |
| Injection Volume : | GPC Factor :          | GPC Cleanup :   | PH :                  |

|                   |           |                       |                       |               |
|-------------------|-----------|-----------------------|-----------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date             | Date Analyzed         | Prep Batch ID |
| BN035411.D        | 1         | 12/3/2024 12:00:00 AM | 12/3/2024 12:00:00 AM | PB165348      |

| CAS Number                | Parameter               | Conc. | Qualifier | MDL    | LOD | LOQ / CRQL | Units     |
|---------------------------|-------------------------|-------|-----------|--------|-----|------------|-----------|
| <b>SURROGATES</b>         |                         |       |           |        |     |            |           |
| 7297-45-2                 | 2-Methylnaphthalene-d10 | 0.355 |           | 20-139 |     | 89         | SPK: -0.4 |
| 93951-69-0                | Fluoranthene-d10        | 0.377 |           | 30-150 |     | 94         | SPK: -0.4 |
| 367-12-4                  | 2-Fluorophenol          | 0.092 |           | 10-100 |     | 23         | SPK: -0.4 |
| 13127-88-3                | Phenol-d6               | 0.048 |           | 10-100 |     | 12         | SPK: -0.4 |
| 4165-60-0                 | Nitrobenzene-d5         | 0.35  |           | 27-123 |     | 88         | SPK: -0.4 |
| 321-60-8                  | 2-Fluorobiphenyl        | 0.36  |           | 34-132 |     | 90         | SPK: -0.4 |
| 118-79-6                  | 2,4,6-Tribromophenol    | 0.191 |           | 10-131 |     | 48         | SPK: -0.4 |
| 1718-51-0                 | Terphenyl-d14           | 0.578 |           | 35-157 |     | 145        | SPK: -0.4 |
| <b>INTERNAL STANDARDS</b> |                         |       |           |        |     |            |           |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4  | 1851  | 7.308     |        |     |            |           |
| 1146-65-2                 | Naphthalene-d8          | 4555  | 10.052    |        |     |            |           |
| 15067-26-2                | Acenaphthene-d10        | 3248  | 13.967    |        |     |            |           |
| 1517-22-2                 | Phenanthrene-d10        | 8127  | 16.736    |        |     |            |           |
| 1719-03-5                 | Chrysene-d12            | 6931  | 20.974    |        |     |            |           |
| 1520-96-3                 | Perylene-d12            | 6312  | 23.067    |        |     |            |           |

## Report of Analysis

|                    |                       |                 |                       |
|--------------------|-----------------------|-----------------|-----------------------|
| Client:            |                       | Date Collected: | 12/2/2024 12:00:00 AM |
| Project:           |                       | Date Received:  | 12/2/2024 12:00:00 AM |
| Client Sample ID:  | RW7-SP300A-20241202   | SDG No.:        | BN120424              |
| Lab Sample ID:     | P5065-06              | Matrix:         | Water                 |
| Analytical Method: | 8270-Modified         | % Moisture:     | 100                   |
| Sample Wt/Vol:     | 990      Units:    mL | Final Vol:      | 1000      uL          |
| Soil Aliquot Vol:  | uL                    | Test:           |                       |
| Extraction Type :  | Decanted :            | Level :         | LOW                   |
| Injection Volume : | GPC Factor :          | GPC Cleanup :   | PH :                  |

|                   |           |                       |                       |               |
|-------------------|-----------|-----------------------|-----------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date             | Date Analyzed         | Prep Batch ID |
| BN035412.D        | 1         | 12/3/2024 12:00:00 AM | 12/3/2024 12:00:00 AM | PB165348      |

| 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  | 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 | 0.2 | 0.2        | ug/L  |
| 205-99-2       | Benzo(b)fluoranthene       | 0.03  | J         | 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                | 0.57  |           | 0.07 | 0.2 | 0.2        | ug/L  |

## Report of Analysis

|                    |                     |                 |                       |
|--------------------|---------------------|-----------------|-----------------------|
| Client:            |                     | Date Collected: | 12/2/2024 12:00:00 AM |
| Project:           |                     | Date Received:  | 12/2/2024 12:00:00 AM |
| Client Sample ID:  | RW7-SP300A-20241202 | SDG No.:        | BN120424              |
| Lab Sample ID:     | P5065-06            | Matrix:         | Water                 |
| Analytical Method: | 8270-Modified       | % Moisture:     | 100                   |
| Sample Wt/Vol:     | 990 Units: mL       | Final Vol:      | 1000 uL               |
| Soil Aliquot Vol:  | uL                  | Test:           |                       |
| Extraction Type :  | Decanted :          | Level :         | LOW                   |
| Injection Volume : | GPC Factor :        | GPC Cleanup :   | PH :                  |

|                   |           |                       |                       |               |
|-------------------|-----------|-----------------------|-----------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date             | Date Analyzed         | Prep Batch ID |
| BN035412.D        | 1         | 12/3/2024 12:00:00 AM | 12/3/2024 12:00:00 AM | PB165348      |

| CAS Number                | Parameter               | Conc. | Qualifier | MDL    | LOD | LOQ / CRQL | Units     |
|---------------------------|-------------------------|-------|-----------|--------|-----|------------|-----------|
| <b>SURROGATES</b>         |                         |       |           |        |     |            |           |
| 7297-45-2                 | 2-Methylnaphthalene-d10 | 0.364 |           | 20-139 |     | 91         | SPK: -0.4 |
| 93951-69-0                | Fluoranthene-d10        | 0.375 |           | 30-150 |     | 94         | SPK: -0.4 |
| 367-12-4                  | 2-Fluorophenol          | 0.092 |           | 10-100 |     | 23         | SPK: -0.4 |
| 13127-88-3                | Phenol-d6               | 0.045 |           | 10-100 |     | 11         | SPK: -0.4 |
| 4165-60-0                 | Nitrobenzene-d5         | 0.322 |           | 27-123 |     | 81         | SPK: -0.4 |
| 321-60-8                  | 2-Fluorobiphenyl        | 0.374 |           | 34-132 |     | 94         | SPK: -0.4 |
| 118-79-6                  | 2,4,6-Tribromophenol    | 0.208 |           | 10-131 |     | 52         | SPK: -0.4 |
| 1718-51-0                 | Terphenyl-d14           | 0.604 |           | 35-157 |     | 151        | SPK: -0.4 |
| <b>INTERNAL STANDARDS</b> |                         |       |           |        |     |            |           |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4  | 1636  | 7.308     |        |     |            |           |
| 1146-65-2                 | Naphthalene-d8          | 4083  | 10.052    |        |     |            |           |
| 15067-26-2                | Acenaphthene-d10        | 2951  | 13.956    |        |     |            |           |
| 1517-22-2                 | Phenanthrene-d10        | 7433  | 16.723    |        |     |            |           |
| 1719-03-5                 | Chrysene-d12            | 6344  | 20.973    |        |     |            |           |
| 1520-96-3                 | Perylene-d12            | 5799  | 23.067    |        |     |            |           |



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

### Hit Summary Sheet SW-846

SDG No.: BN120424

Client:

| Sample ID                       | Client ID           |       | Parameter               | Concentration | C | MDL  |  | RDL  | Units |
|---------------------------------|---------------------|-------|-------------------------|---------------|---|------|--|------|-------|
| Client ID : RW7-SP200-20241202  |                     |       |                         |               |   |      |  |      |       |
| P5065-04                        | RW7-SP200-20241202  | Water | 1,4-Dioxane             | 3.300         |   | 0.07 |  | 0.21 | ug/L  |
| P5065-04                        | RW7-SP200-20241202  | Water | bis(2-Chloroethyl)ether | 0.030         | J | 0.03 |  | 0.1  | ug/L  |
| Total Svoc :                    |                     |       |                         |               |   | 3.33 |  |      |       |
| Total Concentration:            |                     |       |                         |               |   | 3.33 |  |      |       |
| Client ID : RW7-SP300A-20241202 |                     |       |                         |               |   |      |  |      |       |
| P5065-06                        | RW7-SP300A-20241202 | Water | 1,4-Dioxane             | 0.570         |   | 0.07 |  | 0.2  | ug/L  |
| P5065-06                        | RW7-SP300A-20241202 | Water | Benzo(a)anthracene      | 0.020         | J | 0.02 |  | 0.1  | ug/L  |
| P5065-06                        | RW7-SP300A-20241202 | Water | Benzo(b)fluoranthene    | 0.030         | J | 0.03 |  | 0.1  | ug/L  |
| P5065-06                        | RW7-SP300A-20241202 | Water | Chrysene                | 0.030         | J | 0.03 |  | 0.1  | ug/L  |
| Total Svoc :                    |                     |       |                         |               |   | 0.65 |  |      |       |
| Total Concentration:            |                     |       |                         |               |   | 0.65 |  |      |       |

## SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

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

Lab Code: CHEM Case No.: BN112724 SAS No.: BN112724 SDG No.: BN112724

Instrument ID: \_\_\_\_\_ Calibration Date(s): 11/27/2024

Calibration Time(s): 15:34

| LAB FILE ID:               |        | RRF0.1 = BN035350.D |        |        | RRF0.2 = BN035351.D |        | RRF0.4 = BN035352.D |       |
|----------------------------|--------|---------------------|--------|--------|---------------------|--------|---------------------|-------|
|                            |        | RRF0.8 = BN035353.D |        |        | RRF1.6 = BN035354.D |        | RRF3.2 = BN035355.D |       |
| COMPOUND                   | RRF0.1 | RRF0.2              | RRF0.4 | RRF0.8 | RRF1.6              | RRF3.2 | RRF                 | % RSD |
| 2-Methylnaphthalene-d10    | 0.591  | 0.603               | 0.619  | 0.615  | 0.659               | 0.639  | 0.626               | 4.2   |
| Fluoranthene-d10           | 1.203  | 1.086               | 1.077  | 1.105  | 1.165               | 1.138  | 1.134               | 4.1   |
| n-Nitrosodimethylamine     | 0.334  | 0.302               | 0.326  | 0.315  | 0.332               | 0.310  | 0.319               | 3.9   |
| 2-Fluorophenol             | 1.025  | 1.112               | 1.018  | 0.958  | 0.998               | 0.954  | 1.001               | 5.9   |
| Phenol-d6                  | 1.227  | 1.186               | 1.193  | 1.143  | 1.235               | 1.215  | 1.204               | 2.7   |
| bis(2-Chloroethyl)ether    | 1.035  | 1.021               | 0.992  | 0.993  | 1.051               | 0.997  | 1.012               | 2.4   |
| Nitrobenzene-d5            | 0.227  | 0.232               | 0.235  | 0.248  | 0.257               | 0.251  | 0.244               | 5.3   |
| Naphthalene                | 1.062  | 1.029               | 1.047  | 1.032  | 1.096               | 1.049  | 1.055               | 2.2   |
| Hexachlorobutadiene        | 0.245  | 0.242               | 0.247  | 0.241  | 0.255               | 0.236  | 0.243               | 2.6   |
| 2-Methylnaphthalene        | 0.724  | 0.716               | 0.740  | 0.747  | 0.795               | 0.771  | 0.755               | 4.3   |
| 2-Fluorobiphenyl           | 1.489  | 1.491               | 1.510  | 1.508  | 1.566               | 1.511  | 1.512               | 1.7   |
| Acenaphthylene             | 1.643  | 1.600               | 1.595  | 1.638  | 1.737               | 1.763  | 1.680               | 4.7   |
| Acenaphthene               | 1.121  | 1.084               | 1.086  | 1.108  | 1.145               | 1.122  | 1.115               | 2.2   |
| Fluorene                   | 1.589  | 1.549               | 1.543  | 1.600  | 1.652               | 1.614  | 1.596               | 2.5   |
| 4,6-Dinitro-2-methylphenol | 0.038  | 0.031               | 0.036  | 0.041  | 0.051               |        | 0.039               | 19.3  |
| 2,4,6-Tribromophenol       | 0.273  | 0.258               | 0.257  | 0.268  | 0.293               | 0.311  | 0.284               | 9.7   |
| 4-Bromophenyl-phenylether  | 0.226  | 0.218               | 0.226  | 0.233  | 0.249               | 0.242  | 0.234               | 4.9   |
| Hexachlorobenzene          | 0.265  | 0.266               | 0.273  | 0.276  | 0.288               | 0.278  | 0.275               | 2.8   |
| Atrazine                   | 0.155  | 0.155               | 0.154  | 0.156  | 0.175               | 0.179  | 0.167               | 9.0   |
| Pentachlorophenol          | 0.140  | 0.090               | 0.095  | 0.103  | 0.121               | 0.136  | 0.120               | 19.9  |
| Phenanthrene               | 1.092  | 1.046               | 1.067  | 1.092  | 1.148               | 1.121  | 1.099               | 3.2   |
| Anthracene                 | 0.964  | 0.923               | 0.940  | 0.973  | 1.050               | 1.042  | 0.994               | 5.8   |
| Fluoranthene               | 1.538  | 1.396               | 1.416  | 1.456  | 1.539               | 1.497  | 1.481               | 4.0   |
| Pyrene                     | 1.583  | 1.445               | 1.475  | 1.443  | 1.519               | 1.440  | 1.477               | 3.8   |
| Terphenyl-d14              | 0.832  | 0.777               | 0.791  | 0.771  | 0.812               | 0.772  | 0.789               | 3.1   |
| Benzo (a) anthracene       | 1.431  | 1.343               | 1.355  | 1.375  | 1.451               | 1.411  | 1.399               | 3.0   |
| Chrysene                   | 1.463  | 1.452               | 1.441  | 1.415  | 1.487               | 1.422  | 1.443               | 1.8   |
| Bis(2-ethylhexyl)phthalate | 0.710  | 0.558               | 0.516  | 0.505  | 0.520               | 0.516  | 0.553               | 13.0  |
| Benzo (b) fluoranthene     | 1.305  | 1.348               | 1.313  | 1.378  | 1.827               | 1.463  | 1.463               | 13.1  |
| Benzo (k) fluoranthene     | 1.444  | 1.376               | 1.402  | 1.419  | 1.527               | 1.447  | 1.440               | 3.4   |
| Benzo (a) pyrene           | 1.204  | 1.156               | 1.146  | 1.171  | 1.256               | 1.232  | 1.205               | 4.1   |
| Indeno (1,2,3-cd) pyrene   | 1.411  | 1.489               | 1.532  | 1.554  | 1.660               | 1.615  | 1.564               | 6.2   |
| Dibenzo (a,h) anthracene   | 1.104  | 1.187               | 1.194  | 1.226  | 1.315               | 1.280  | 1.234               | 6.6   |
| Benzo (g,h,i) perylene     | 1.188  | 1.238               | 1.248  | 1.269  | 1.360               | 1.330  | 1.290               | 5.7   |
| 1,4-Dioxane                | 0.406  | 0.417               | 0.376  | 0.380  | 0.392               | 0.357  | 0.382               | 6.5   |

All other compounds must meet a minimum RRF of 0.010.



8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BN120424 SAS No.: BN120424 SDG NO.: BN120424

EPA Sample No.: SSTDICCC0.4 Date Analyzed: Dec 3 2024 12:00AM

Lab File ID: BN035352.D Time Analyzed: 17:37

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            | 2048                | 7.308 | 5229                | 10.05  | 3799                | 13.97  |
| UPPER LIMIT            | 4096                | 7.808 | 10458               | 10.552 | 7598                | 14.467 |
| LOWER LIMIT            | 1024                | 6.808 | 2614.5              | 9.552  | 1899.5              | 13.467 |
| EPA SAMPLE NO.         |                     |       |                     |        |                     |        |
| 01 PB165348BL          | 1833                | 7.30  | 4526                | 10.05  | 3257                | 13.97  |
| 02 PB165348BS          | 2152                | 7.30  | 5114                | 10.05  | 3359                | 13.96  |
| 03 PB165348BSD         | 1951                | 7.30  | 4691                | 10.05  | 3099                | 13.96  |
| 04 RW7-SP200-20241202  | 2075                | 7.31  | 5240                | 10.05  | 3772                | 13.96  |
| 05 RW7-SP201-20241202  | 1851                | 7.31  | 4555                | 10.05  | 3248                | 13.97  |
| 06 RW7-SP300A-20241202 | 1636                | 7.31  | 4083                | 10.05  | 2951                | 13.96  |

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.: BN120424 SAS No.: BN120424 SDG NO.: BN120424

EPA Sample No.: SSTDCCC0.4 Date Analyzed: Dec 3 2024 12:00AM

Lab File ID: BN035406.D Time Analyzed: 17:37

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            | 2015                | 7.3  | 5135                | 10.05  | 3625                | 13.96  |
| UPPER LIMIT            | 4030                | 7.8  | 10270               | 10.552 | 7250                | 14.457 |
| LOWER LIMIT            | 1007.5              | 6.8  | 2567.5              | 9.552  | 1812.5              | 13.457 |
| EPA SAMPLE NO.         |                     |      |                     |        |                     |        |
| 01 PB165348BL          | 1833                | 7.30 | 4526                | 10.05  | 3257                | 13.97  |
| 02 PB165348BS          | 2152                | 7.30 | 5114                | 10.05  | 3359                | 13.96  |
| 03 PB165348BSD         | 1951                | 7.30 | 4691                | 10.05  | 3099                | 13.96  |
| 04 RW7-SP200-20241202  | 2075                | 7.31 | 5240                | 10.05  | 3772                | 13.96  |
| 05 RW7-SP201-20241202  | 1851                | 7.31 | 4555                | 10.05  | 3248                | 13.97  |
| 06 RW7-SP300A-20241202 | 1636                | 7.31 | 4083                | 10.05  | 2951                | 13.96  |

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.: BN120424 SAS No.: BN120424 SDG NO.: BN120424

EPA Sample No.: SSTDICCC0.4 Date Analyzed: Dec 3 2024 12:00AM

Lab File ID: BN035352.D Time Analyzed: 17:37

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            | 9490                | 16.736 | 9527                | 20.974 | 10842               | 23.067 |
| UPPER LIMIT            | 18980               | 17.236 | 19054               | 21.474 | 21684               | 23.567 |
| LOWER LIMIT            | 4745                | 16.236 | 4763.5              | 20.474 | 5421                | 22.567 |
| EPA SAMPLE NO.         |                     |        |                     |        |                     |        |
| 01 PB165348BL          | 8120                | 16.74  | 6937                | 20.98  | 6492                | 23.08  |
| 02 PB165348BS          | 8334                | 16.72  | 7507                | 20.97  | 6897                | 23.07  |
| 03 PB165348BSD         | 7726                | 16.72  | 7120                | 20.97  | 6595                | 23.06  |
| 04 RW7-SP200-20241202  | 9570                | 16.72  | 8675                | 20.97  | 8373                | 23.06  |
| 05 RW7-SP201-20241202  | 8127                | 16.74  | 6931                | 20.97  | 6312                | 23.07  |
| 06 RW7-SP300A-20241202 | 7433                | 16.72  | 6344                | 20.97  | 5799                | 23.07  |

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.: BN120424 SAS No.: BN120424 SDG NO.: BN120424

EPA Sample No.: SSTDCCC0.4 Date Analyzed: Dec 3 2024 12:00AM

Lab File ID: BN035406.D Time Analyzed: 17:37

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            | 8862                | 16.723 | 8251                | 20.974 | 7832                | 23.07 |
| UPPER LIMIT            | 17724               | 17.223 | 16502               | 21.474 | 15664               | 23.57 |
| LOWER LIMIT            | 4431                | 16.223 | 4125.5              | 20.474 | 3916                | 22.57 |
| EPA SAMPLE NO.         |                     |        |                     |        |                     |       |
| 01 PB165348BL          | 8120                | 16.74  | 6937                | 20.98  | 6492                | 23.08 |
| 02 PB165348BS          | 8334                | 16.72  | 7507                | 20.97  | 6897                | 23.07 |
| 03 PB165348BSD         | 7726                | 16.72  | 7120                | 20.97  | 6595                | 23.06 |
| 04 RW7-SP200-20241202  | 9570                | 16.72  | 8675                | 20.97  | 8373                | 23.06 |
| 05 RW7-SP201-20241202  | 8127                | 16.74  | 6931                | 20.97  | 6312                | 23.07 |
| 06 RW7-SP300A-20241202 | 7433                | 16.72  | 6344                | 20.97  | 5799                | 23.07 |

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.: BN120424

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

Analytical Method: **8270-Modified**

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

| Lab Sample ID | Parameter                  | Spike | Result | Unit | Rec | RPD | RPD  |      | Limits |      | RPD |
|---------------|----------------------------|-------|--------|------|-----|-----|------|------|--------|------|-----|
|               |                            |       |        |      |     |     | Qual | Qual | Low    | High |     |
| PB165348BS    | n-Nitrosodimethylamine     | 0.4   | 0.39   | ug/L | 98  |     |      |      | 33     | 130  |     |
|               | bis(2-Chloroethyl)ether    | 0.4   | 0.37   | ug/L | 93  |     |      |      | 55     | 118  |     |
|               | Naphthalene                | 0.4   | 0.38   | ug/L | 95  |     |      |      | 67     | 120  |     |
|               | Hexachlorobutadiene        | 0.4   | 0.42   | ug/L | 105 |     |      |      | 33     | 114  |     |
|               | 2-Methylnaphthalene        | 0.4   | 0.37   | ug/L | 93  |     |      |      | 50     | 122  |     |
|               | Acenaphthylene             | 0.4   | 0.41   | ug/L | 103 |     |      |      | 60     | 119  |     |
|               | Acenaphthene               | 0.4   | 0.39   | ug/L | 98  |     |      |      | 65     | 119  |     |
|               | Total PAH                  | 6.4   | 6.23   | ug/L | 97  |     |      |      | 65     | 119  |     |
|               | Fluorene                   | 0.4   | 0.38   | ug/L | 95  |     |      |      | 58     | 122  |     |
|               | 4,6-Dinitro-2-methylphenol | 0.4   | 0.33   | ug/L | 83  |     |      |      | 20     | 150  |     |
|               | 4-Bromophenyl-phenylether  | 0.4   | 0.38   | ug/L | 95  |     |      |      | 20     | 150  |     |
|               | Hexachlorobenzene          | 0.4   | 0.39   | ug/L | 98  |     |      |      | 62     | 127  |     |
|               | Atrazine                   | 0.4   | 0.34   | ug/L | 85  |     |      |      | 20     | 150  |     |
|               | Pentachlorophenol          | 0.8   | 0.53   | ug/L | 66  |     |      |      | 10     | 137  |     |
|               | Phenanthrene               | 0.4   | 0.39   | ug/L | 98  |     |      |      | 65     | 117  |     |
|               | Anthracene                 | 0.4   | 0.39   | ug/L | 98  |     |      |      | 57     | 118  |     |
|               | Fluoranthene               | 0.4   | 0.35   | ug/L | 88  |     |      |      | 53     | 126  |     |
|               | Pyrene                     | 0.4   | 0.4    | ug/L | 100 |     |      |      | 54     | 124  |     |
|               | Benzo(a)anthracene         | 0.4   | 0.37   | ug/L | 93  |     |      |      | 54     | 130  |     |
|               | Chrysene                   | 0.4   | 0.41   | ug/L | 103 |     |      |      | 64     | 126  |     |
|               | bis(2-Ethylhexyl)phthalate | 0.4   | 0.36   | ug/L | 90  |     |      |      | 40     | 137  |     |
|               | Benzo(b)fluoranthene       | 0.4   | 0.39   | ug/L | 98  |     |      |      | 65     | 121  |     |
|               | Benzo(k)fluoranthene       | 0.4   | 0.43   | ug/L | 108 |     |      |      | 72     | 119  |     |
|               | Benzo(a)pyrene             | 0.4   | 0.42   | ug/L | 105 |     |      |      | 68     | 120  |     |
|               | Indeno(1,2,3-cd)pyrene     | 0.4   | 0.38   | ug/L | 95  |     |      |      | 70     | 127  |     |
|               | Dibenz(a,h)anthracene      | 0.4   | 0.37   | ug/L | 93  |     |      |      | 65     | 121  |     |
|               | Benzo(g,h,i)perylene       | 0.4   | 0.37   | ug/L | 93  |     |      |      | 76     | 117  |     |
|               | 1,4-Dioxane                | 0.4   | 0.37   | ug/L | 93  |     |      |      | 42     | 127  |     |
| PB165348BSD   | n-Nitrosodimethylamine     | 0.4   | 0.44   | ug/L | 110 |     |      |      | 33     | 130  | 20  |
|               | bis(2-Chloroethyl)ether    | 0.4   | 0.41   | ug/L | 103 |     |      |      | 55     | 118  | 20  |
|               | Naphthalene                | 0.4   | 0.42   | ug/L | 105 |     |      |      | 67     | 120  | 20  |
|               | Hexachlorobutadiene        | 0.4   | 0.46   | ug/L | 115 |     | *    |      | 33     | 114  | 20  |
|               | 2-Methylnaphthalene        | 0.4   | 0.41   | ug/L | 103 |     |      |      | 50     | 122  | 20  |
|               | Acenaphthylene             | 0.4   | 0.45   | ug/L | 113 |     |      |      | 60     | 119  | 20  |
|               | Acenaphthene               | 0.4   | 0.43   | ug/L | 108 |     |      |      | 65     | 119  | 20  |
|               | Total PAH                  | 6.4   | 7.08   | ug/L | 111 |     |      |      | 65     | 119  | 20  |
|               | Fluorene                   | 0.4   | 0.43   | ug/L | 108 |     |      |      | 58     | 122  | 20  |
|               | 4,6-Dinitro-2-methylphenol | 0.4   | 0.39   | ug/L | 98  |     |      |      | 20     | 150  | 20  |
|               | 4-Bromophenyl-phenylether  | 0.4   | 0.43   | ug/L | 108 |     |      |      | 20     | 150  | 20  |
|               | Hexachlorobenzene          | 0.4   | 0.43   | ug/L | 108 |     |      |      | 62     | 127  | 20  |
|               | Atrazine                   | 0.4   | 0.39   | ug/L | 98  |     |      |      | 20     | 150  | 20  |
|               | Pentachlorophenol          | 0.8   | 0.61   | ug/L | 76  |     |      |      | 10     | 137  | 20  |
|               | Phenanthrene               | 0.4   | 0.43   | ug/L | 108 |     |      |      | 65     | 117  | 20  |
|               | Anthracene                 | 0.4   | 0.43   | ug/L | 108 |     |      |      | 57     | 118  | 20  |

## Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: BN120424

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

Analytical Method: **8270-Modified**

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

| Lab Sample ID | Parameter                  | Spike | Result | Unit | Rec | RPD | Qual | RPD  |     | Limits |     |
|---------------|----------------------------|-------|--------|------|-----|-----|------|------|-----|--------|-----|
|               |                            |       |        |      |     |     |      | Qual | Low | High   | RPD |
| PB165348BSD   | Fluoranthene               | 0.4   | 0.39   | ug/L | 98  |     |      |      | 53  | 126    | 20  |
|               | Pyrene                     | 0.4   | 0.43   | ug/L | 108 |     |      |      | 54  | 124    | 20  |
|               | Benzo(a)anthracene         | 0.4   | 0.41   | ug/L | 103 |     |      |      | 54  | 130    | 20  |
|               | Chrysene                   | 0.4   | 0.45   | ug/L | 113 |     |      |      | 64  | 126    | 20  |
|               | bis(2-Ethylhexyl)phthalate | 0.4   | 0.4    | ug/L | 100 |     |      |      | 40  | 137    | 20  |
|               | Benzo(b)fluoranthene       | 0.4   | 0.65   | ug/L | 162 |     | *    |      | 65  | 121    | 20  |
|               | Benzo(k)fluoranthene       | 0.4   | 0.47   | ug/L | 117 |     |      |      | 72  | 119    | 20  |
|               | Benzo(a)pyrene             | 0.4   | 0.45   | ug/L | 113 |     |      |      | 68  | 120    | 20  |
|               | Indeno(1,2,3-cd)pyrene     | 0.4   | 0.42   | ug/L | 105 |     |      |      | 70  | 127    | 20  |
|               | Dibenz(a,h)anthracene      | 0.4   | 0.41   | ug/L | 103 |     |      |      | 65  | 121    | 20  |
|               | Benzo(g,h,i)perylene       | 0.4   | 0.41   | ug/L | 103 |     |      |      | 76  | 117    | 20  |
|               | 1,4-Dioxane                | 0.4   | 0.41   | ug/L | 103 |     |      |      | 42  | 127    | 20  |

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB165348BL

Lab Name: CHEMTECH

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

Lab Code: CHEM Case No.: BN120424

SAS No.: BN120424 SDG NO.: BN120424

Lab File ID: BN035407.D

Lab Sample ID: PB165348BL

Instrument ID: BNA\_N

Date Extracted: 12/03/2024

Matrix: (soil/water) Water

Date Analyzed: 12/03/2024

Level: (low/med) LOW

Time Analyzed: 17:37

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 |
|---------------------|------------------|----------------|------------------|
| PB165348BS          | PB165348BS       | BN035408.D     | 12/03/2024       |
| PB165348BSD         | PB165348BSD      | BN035409.D     | 12/03/2024       |
| RW7-SP200-20241202  | P5065-04         | BN035410.D     | 12/03/2024       |
| RW7-SP201-20241202  | P5065-05         | BN035411.D     | 12/03/2024       |
| RW7-SP300A-20241202 | P5065-06         | BN035412.D     | 12/03/2024       |

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

## Surrogate Summary

SW-846

SDG No.: BN120424

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

Analytical Method: 8270-Modified

| Lab Sample ID | Client ID                  | Datafile   | Parameter               | Spike<br>(PPM) | Result<br>(PPM) | Recovery (%) | Qual | Limits (%) |      |
|---------------|----------------------------|------------|-------------------------|----------------|-----------------|--------------|------|------------|------|
|               |                            |            |                         |                |                 |              |      | Low        | High |
| P5065-04      | RW7-SP200-20241:BN035410.D |            | 2-Methylnaphthalene-d10 | 0.4            | 0.36            | 90           |      | 20         | 139  |
|               |                            |            | Fluoranthene-d10        | 0.4            | 0.37            | 93           |      | 30         | 150  |
|               |                            |            | 2-Fluorophenol          | 0.4            | 0.10            | 24           |      | 10         | 100  |
|               |                            |            | Phenol-d6               | 0.4            | 0.06            | 15           |      | 10         | 100  |
|               |                            |            | Nitrobenzene-d5         | 0.4            | 0.33            | 82           |      | 27         | 123  |
|               |                            |            | 2-Fluorobiphenyl        | 0.4            | 0.37            | 91           |      | 34         | 132  |
|               |                            |            | 2,4,6-Tribromophenol    | 0.4            | 0.20            | 50           |      | 10         | 131  |
|               |                            |            | Terphenyl-d14           | 0.4            | 0.54            | 135          |      | 35         | 157  |
| P5065-05      | RW7-SP201-20241:BN035411.D |            | 2-Methylnaphthalene-d10 | 0.4            | 0.36            | 89           |      | 20         | 139  |
|               |                            |            | Fluoranthene-d10        | 0.4            | 0.38            | 94           |      | 30         | 150  |
|               |                            |            | 2-Fluorophenol          | 0.4            | 0.09            | 23           |      | 10         | 100  |
|               |                            |            | Phenol-d6               | 0.4            | 0.05            | 12           |      | 10         | 100  |
|               |                            |            | Nitrobenzene-d5         | 0.4            | 0.35            | 88           |      | 27         | 123  |
|               |                            |            | 2-Fluorobiphenyl        | 0.4            | 0.36            | 90           |      | 34         | 132  |
|               |                            |            | 2,4,6-Tribromophenol    | 0.4            | 0.19            | 48           |      | 10         | 131  |
|               |                            |            | Terphenyl-d14           | 0.4            | 0.58            | 145          |      | 35         | 157  |
| P5065-06      | RW7-SP300A-2024BN035412.D  |            | 2-Methylnaphthalene-d10 | 0.4            | 0.36            | 91           |      | 20         | 139  |
|               |                            |            | Fluoranthene-d10        | 0.4            | 0.38            | 94           |      | 30         | 150  |
|               |                            |            | 2-Fluorophenol          | 0.4            | 0.09            | 23           |      | 10         | 100  |
|               |                            |            | Phenol-d6               | 0.4            | 0.05            | 11           |      | 10         | 100  |
|               |                            |            | Nitrobenzene-d5         | 0.4            | 0.32            | 81           |      | 27         | 123  |
|               |                            |            | 2-Fluorobiphenyl        | 0.4            | 0.37            | 94           |      | 34         | 132  |
|               |                            |            | 2,4,6-Tribromophenol    | 0.4            | 0.21            | 52           |      | 10         | 131  |
|               |                            |            | Terphenyl-d14           | 0.4            | 0.60            | 151          |      | 35         | 157  |
| PB165348BL    | PB165348BL                 | BN035407.D | 2-Methylnaphthalene-d10 | 0.4            | 0.44            | 109          |      | 20         | 139  |
|               |                            |            | Fluoranthene-d10        | 0.4            | 0.42            | 104          |      | 30         | 150  |
|               |                            |            | 2-Fluorophenol          | 0.4            | 0.35            | 88           |      | 10         | 100  |
|               |                            |            | Phenol-d6               | 0.4            | 0.32            | 81           |      | 10         | 100  |
|               |                            |            | Nitrobenzene-d5         | 0.4            | 0.40            | 100          |      | 27         | 123  |
|               |                            |            | 2-Fluorobiphenyl        | 0.4            | 0.42            | 106          |      | 34         | 132  |
|               |                            |            | 2,4,6-Tribromophenol    | 0.4            | 0.17            | 43           |      | 10         | 131  |
|               |                            |            | Terphenyl-d14           | 0.4            | 0.51            | 128          |      | 35         | 157  |
| PB165348BS    | PB165348BS                 | BN035408.D | 2-Methylnaphthalene-d10 | 0.4            | 0.52            | 130          |      | 20         | 139  |
|               |                            |            | Fluoranthene-d10        | 0.4            | 0.40            | 100          |      | 30         | 150  |
|               |                            |            | 2-Fluorophenol          | 0.4            | 0.35            | 87           |      | 10         | 100  |
|               |                            |            | Phenol-d6               | 0.4            | 0.33            | 82           |      | 10         | 100  |
|               |                            |            | Nitrobenzene-d5         | 0.4            | 0.45            | 112          |      | 27         | 123  |
|               |                            |            | 2-Fluorobiphenyl        | 0.4            | 0.43            | 108          |      | 34         | 132  |
|               |                            |            | 2,4,6-Tribromophenol    | 0.4            | 0.23            | 58           |      | 10         | 131  |
|               |                            |            | Terphenyl-d14           | 0.4            | 0.46            | 116          |      | 35         | 157  |
| PB165348BSD   | PB165348BSD                | BN035409.D | 2-Methylnaphthalene-d10 | 0.4            | 0.57            | 142          | *    | 20         | 139  |
|               |                            |            | Fluoranthene-d10        | 0.4            | 0.43            | 108          |      | 30         | 150  |
|               |                            |            | 2-Fluorophenol          | 0.4            | 0.39            | 97           |      | 10         | 100  |
|               |                            |            | Phenol-d6               | 0.4            | 0.36            | 90           |      | 10         | 100  |
|               |                            |            | Nitrobenzene-d5         | 0.4            | 0.51            | 127          | *    | 27         | 123  |
|               |                            |            | 2-Fluorobiphenyl        | 0.4            | 0.46            | 115          |      | 34         | 132  |
|               |                            |            | 2,4,6-Tribromophenol    | 0.4            | 0.25            | 63           |      | 10         | 131  |
|               |                            |            | Terphenyl-d14           | 0.4            | 0.50            | 124          |      | 35         | 157  |



5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK  
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: BN120424

Lab Code: CHEM

SAS No.: BN120424

SDG NO.: BN120424

Lab File ID: BN035405.D

DFTPP Injection Date: 12/03/2024

Instrument ID: BNA\_N

DFTPP Injection Time: 15:56

| m/e | ION ABUNDANCE CRITERIA             | % RELATIVE ABUNDANCE |
|-----|------------------------------------|----------------------|
| 51  | 10.0 - 80.0% of mass 198           | 22.8                 |
| 68  | Less than 2.0% of mass 69          | 0.0 ( 0.0 ) 1        |
| 69  | Mass 69 relative abundance         | 30.2                 |
| 70  | Less than 2.0% of mass 69          | 0.1 ( 0.4 ) 1        |
| 127 | 10.0 - 80.0% of mass 198           | 40.9                 |
| 197 | Less than 2.0% of mass 198         | 0.0                  |
| 198 | Base Peak, 100% relative abundance | 100                  |
| 199 | 5.0 to 9.0% of mass 198            | 6.9                  |
| 275 | 10.0 - 60.0% of mass 198           | 28.3                 |
| 365 | Greater than 1% of mass 198        | 4.5                  |
| 441 | Present, but less than mass 443    | 11.6                 |
| 442 | Greater than 50% of mass 198       | 74.4                 |
| 443 | 15.0 - 24.0% of mass 442           | 14.1 ( 19 ) 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       | BN035406.D     | 12/03/2024       | 16:35            |
| PB165348BL          | PB165348BL       | BN035407.D     | 12/03/2024       | 17:37            |
| PB165348BS          | PB165348BS       | BN035408.D     | 12/03/2024       | 18:13            |
| PB165348BSD         | PB165348BSD      | BN035409.D     | 12/03/2024       | 18:48            |
| RW7-SP200-20241202  | P5065-04         | BN035410.D     | 12/03/2024       | 19:24            |
| RW7-SP201-20241202  | P5065-05         | BN035411.D     | 12/03/2024       | 20:00            |
| RW7-SP300A-20241202 | P5065-06         | BN035412.D     | 12/03/2024       | 20:36            |
| SSTDCCC0.4EC        | SSTDCCC0.4       | BN035413.D     | 12/03/2024       | 21:11            |