

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

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

Lab Code: CHEM Case No.: BN050724 SAS No.: BN050724 SDG No.: BN050724

Instrument ID: BNA\_N Calibration Date/Time: 5/7/2024 12:13:57

Lab File ID: BN031420.D Init. Calib. Date(s): \_\_\_\_\_

EPA Sample No.: SSTDICCC0.4 Init. Calib. Time(s): \_\_\_\_\_

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

| COMPOUND                   | RRF   | RRF0.4 | MIN RRF | %D      | MAX%D |
|----------------------------|-------|--------|---------|---------|-------|
| 2-Methylnaphthalene-d10    | 0.592 | 0.395  |         | -33.277 | 20.0  |
| Fluoranthene-d10           | 1.082 | 1.001  |         | -7.486  | 20.0  |
| n-Nitrosodimethylamine     | 0.476 | 0.445  |         | -6.513  | 20.0  |
| 2-Fluorophenol             | 0.937 | 0.907  |         | -3.202  | 20.0  |
| Phenol-d6                  | 1.113 | 1.037  |         | -6.828  | 20.0  |
| bis(2-Chloroethyl) ether   | 1.040 | 0.992  |         | -4.615  | 20.0  |
| Nitrobenzene-d5            | 0.351 | 0.331  |         | -5.698  | 20.0  |
| Naphthalene                | 1.118 | 1.003  |         | -10.286 | 20.0  |
| Hexachlorobutadiene        | 0.233 | 0.218  |         | -6.438  | 20.0  |
| 2-Methylnaphthalene        | 0.687 | 0.450  |         | -34.498 | 20.0  |
| 2-Fluorobiphenyl           | 1.480 | 0.908  |         | -38.649 | 20.0  |
| Acenaphthylene             | 1.755 | 1.611  |         | -8.205  | 20.0  |
| Acenaphthene               | 1.203 | 1.183  |         | -1.663  | 20.0  |
| Fluorene                   | 1.556 | 1.534  |         | -1.414  | 20.0  |
| 4,6-Dinitro-2-methylphenol | 0.064 | 0.049  |         | -23.438 | 20.0  |
| 2,4,6-Tribromophenol       | 0.178 | 0.147  |         | -17.416 | 20.0  |
| 4-Bromophenyl-phenylether  | 0.231 | 0.221  |         | -4.329  | 20.0  |
| Hexachlorobenzene          | 0.264 | 0.255  |         | -3.409  | 20.0  |
| Atrazine                   | 0.181 | 0.161  |         | -11.05  | 20.0  |
| Pentachlorophenol          | 0.109 | 0.084  |         | -22.936 | 20.0  |
| Phenanthrene               | 1.148 | 1.100  |         | -4.181  | 20.0  |
| Anthracene                 | 0.965 | 0.879  |         | -8.912  | 20.0  |
| Fluoranthene               | 1.402 | 1.282  |         | -8.559  | 20.0  |
| Pyrene                     | 1.612 | 1.746  |         | 8.313   | 20.0  |
| Terphenyl-d14              | 1.015 | 1.067  |         | 5.123   | 20.0  |
| Benzo(a)anthracene         | 1.381 | 1.269  |         | -8.11   | 20.0  |
| Chrysene                   | 1.439 | 1.332  |         | -7.436  | 20.0  |
| Bis(2-ethylhexyl)phthalate | 0.730 | 0.475  |         | -34.932 | 20.0  |
| Benzo(b)fluoranthene       | 1.569 | 1.455  |         | -7.266  | 20.0  |
| Benzo(k)fluoranthene       | 1.539 | 1.437  |         | -6.628  | 20.0  |
| Benzo(a)pyrene             | 1.317 | 1.216  |         | -7.669  | 20.0  |
| Indeno(1,2,3-cd)pyrene     | 1.616 | 1.362  |         | -15.718 | 20.0  |
| Dibenzo(a,h)anthracene     | 1.274 | 1.045  |         | -17.975 | 20.0  |
| Benzo(g,h,i)perylene       | 1.292 | 1.136  |         | -12.074 | 20.0  |
| 1,4-Dioxane                | 0.477 | 0.454  |         | -4.822  | 20.0  |

All other compounds must meet a minimum RRF of 0.010.

## Report of Analysis

|                    |               |              |    |                 |          |      |  |
|--------------------|---------------|--------------|----|-----------------|----------|------|--|
| Client:            |               |              |    | Date Collected: |          |      |  |
| Project:           |               |              |    | Date Received:  |          |      |  |
| Client Sample ID:  | ICVBN050724   |              |    | SDG No.:        | BN050724 |      |  |
| Lab Sample ID:     | SSTDICV0.4    |              |    | Matrix:         | Water    |      |  |
| Analytical Method: | 8270-Modified |              |    | % Moisture:     | 100      |      |  |
| Sample Wt/Vol:     | 1000          | Units:       | mL | Final Vol:      | 1000000  | 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 |
| BN031425.D        | 1         |           | 5/7/2024 12:00:00 AM |               |

| CAS Number     | Parameter                  | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|----------------|----------------------------|-------|-----------|-----|-----|------------|-------|
| <b>TARGETS</b> |                            |       |           |     |     |            |       |
| 62-75-9        | n-Nitrosodimethylamine     | 370   |           | 30  | 200 | 200        | ug/L  |
| 111-44-4       | bis(2-Chloroethyl)ether    | 380   |           | 28  | 100 | 100        | ug/L  |
| 91-20-3        | Naphthalene                | 330   |           | 24  | 100 | 100        | ug/L  |
| 87-68-3        | Hexachlorobutadiene        | 390   |           | 26  | 100 | 100        | ug/L  |
| 91-57-6        | 2-Methylnaphthalene        | 560   |           | 30  | 100 | 100        | ug/L  |
| 208-96-8       | Acenaphthylene             | 360   |           | 21  | 100 | 100        | ug/L  |
| 83-32-9        | Acenaphthene               | 380   |           | 20  | 100 | 100        | ug/L  |
| Total PAH      | Total PAH                  | 6350  |           | 456 | 100 | 1600       | ug/L  |
| 86-73-7        | Fluorene                   | 400   |           | 18  | 100 | 100        | ug/L  |
| 534-52-1       | 4,6-Dinitro-2-methylphenol | 460   |           | 140 | 200 | 200        | ug/L  |
| 101-55-3       | 4-Bromophenyl-phenylether  | 450   |           | 26  | 100 | 100        | ug/L  |
| 118-74-1       | Hexachlorobenzene          | 480   |           | 29  | 100 | 100        | ug/L  |
| 1912-24-9      | Atrazine                   | 420   |           | 23  | 100 | 100        | ug/L  |
| 87-86-5        | Pentachlorophenol          | 410   |           | 90  | 200 | 200        | ug/L  |
| 85-01-8        | Phenanthrene               | 430   |           | 20  | 100 | 100        | ug/L  |
| 120-12-7       | Anthracene                 | 450   |           | 24  | 100 | 100        | ug/L  |
| 206-44-0       | Fluoranthene               | 500   |           | 23  | 100 | 100        | ug/L  |
| 129-00-0       | Pyrene                     | 460   |           | 22  | 100 | 100        | ug/L  |
| 56-55-3        | Benzo(a)anthracene         | 370   |           | 22  | 100 | 100        | ug/L  |
| 218-01-9       | Chrysene                   | 390   |           | 26  | 100 | 100        | ug/L  |
| 117-81-7       | Bis(2-ethylhexyl)phthalate | 320   |           | 140 | 200 | 200        | ug/L  |
| 205-99-2       | Benzo(b)fluoranthene       | 380   |           | 32  | 100 | 100        | ug/L  |
| 207-08-9       | Benzo(k)fluoranthene       | 390   |           | 34  | 100 | 100        | ug/L  |
| 50-32-8        | Benzo(a)pyrene             | 390   |           | 56  | 100 | 100        | ug/L  |
| 193-39-5       | Indeno(1,2,3-cd)pyrene     | 360   |           | 38  | 100 | 100        | ug/L  |
| 53-70-3        | Dibenzo(a,h)anthracene     | 360   |           | 39  | 100 | 100        | ug/L  |
| 191-24-2       | Benzo(g,h,i)perylene       | 400   |           | 37  | 100 | 100        | ug/L  |
| 123-91-1       | 1,4-Dioxane                | 380   |           | 68  | 200 | 200        | ug/L  |

## Report of Analysis

|                    |               |              |    |                 |          |      |  |
|--------------------|---------------|--------------|----|-----------------|----------|------|--|
| Client:            |               |              |    | Date Collected: |          |      |  |
| Project:           |               |              |    | Date Received:  |          |      |  |
| Client Sample ID:  | ICVBN050724   |              |    | SDG No.:        | BN050724 |      |  |
| Lab Sample ID:     | SSTDICV0.4    |              |    | Matrix:         | Water    |      |  |
| Analytical Method: | 8270-Modified |              |    | % Moisture:     | 100      |      |  |
| Sample Wt/Vol:     | 1000          | Units:       | mL | Final Vol:      | 1000000  | 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 |
| BN031425.D        | 1         |           | 5/7/2024 12:00:00 AM |               |

| CAS Number                | Parameter               | Conc. | Qualifier | MDL    | LOD | LOQ / CRQL | Units     |
|---------------------------|-------------------------|-------|-----------|--------|-----|------------|-----------|
| <b>SURROGATES</b>         |                         |       |           |        |     |            |           |
| 7297-45-2                 | 2-Methylnaphthalene-d10 | 555   | *         | 30-150 |     | 138750     | SPK: -0.4 |
| 93951-69-0                | Fluoranthene-d10        | 504   | *         | 30-150 |     | 126000     | SPK: -0.4 |
| 367-12-4                  | 2-Fluorophenol          | 380   | *         | 10-92  |     | 95000      | SPK: -0.4 |
| 13127-88-3                | Phenol-d6               | 367   | *         | 10-100 |     | 91750      | SPK: -0.4 |
| 4165-60-0                 | Nitrobenzene-d5         | 370   | *         | 11-175 |     | 92500      | SPK: -0.4 |
| 321-60-8                  | 2-Fluorobiphenyl        | 364   | *         | 10-175 |     | 91000      | SPK: -0.4 |
| 118-79-6                  | 2,4,6-Tribromophenol    | 293   | *         | 24-148 |     | 73250      | SPK: -0.4 |
| 1718-51-0                 | Terphenyl-d14           | 385   | *         | 54-171 |     | 96250      | SPK: -0.4 |
| <b>INTERNAL STANDARDS</b> |                         |       |           |        |     |            |           |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4  | 6443  |           | 7.567  |     |            |           |
| 1146-65-2                 | Naphthalene-d8          | 16305 |           | 10.336 |     |            |           |
| 15067-26-2                | Acenaphthene-d10        | 11520 |           | 14.21  |     |            |           |
| 1517-22-2                 | Phenanthrene-d10        | 18093 |           | 16.967 |     |            |           |
| 1719-03-5                 | Chrysene-d12            | 20245 |           | 21.175 |     |            |           |
| 1520-96-3                 | Perylene-d12            | 18492 |           | 23.361 |     |            |           |

## Report of Analysis

|                    |                        |                 |                      |
|--------------------|------------------------|-----------------|----------------------|
| Client:            |                        | Date Collected: | 5/6/2024 12:00:00 AM |
| Project:           |                        | Date Received:  | 5/6/2024 12:00:00 AM |
| Client Sample ID:  | PB160745BL             | SDG No.:        | BN050724             |
| Lab Sample ID:     | PB160745BL             | 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 |
| BN031426.D        | 1         | 5/6/2024 12:00:00 AM | 5/7/2024 12:00:00 AM | PB160745      |

| 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: | 5/6/2024 12:00:00 AM |
| Project:           |                        | Date Received:  | 5/6/2024 12:00:00 AM |
| Client Sample ID:  | PB160745BL             | SDG No.:        | BN050724             |
| Lab Sample ID:     | PB160745BL             | 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 |
| BN031426.D        | 1         | 5/6/2024 12:00:00 AM | 5/7/2024 12:00:00 AM | PB160745      |

| CAS Number                | Parameter               | Conc. | Qualifier | MDL    | LOD | LOQ / CRQL | Units     |
|---------------------------|-------------------------|-------|-----------|--------|-----|------------|-----------|
| <b>SURROGATES</b>         |                         |       |           |        |     |            |           |
| 7297-45-2                 | 2-Methylnaphthalene-d10 | 0.43  |           | 30-150 |     | 108        | SPK: -0.4 |
| 93951-69-0                | Fluoranthene-d10        | 0.315 |           | 30-150 |     | 79         | SPK: -0.4 |
| 367-12-4                  | 2-Fluorophenol          | 0.353 |           | 10-92  |     | 88         | SPK: -0.4 |
| 13127-88-3                | Phenol-d6               | 0.287 |           | 10-100 |     | 72         | SPK: -0.4 |
| 4165-60-0                 | Nitrobenzene-d5         | 0.228 |           | 11-175 |     | 57         | SPK: -0.4 |
| 321-60-8                  | 2-Fluorobiphenyl        | 0.378 |           | 10-175 |     | 94         | SPK: -0.4 |
| 118-79-6                  | 2,4,6-Tribromophenol    | 0.29  |           | 24-148 |     | 72         | SPK: -0.4 |
| 1718-51-0                 | Terphenyl-d14           | 0.526 |           | 54-171 |     | 132        | SPK: -0.4 |
| <b>INTERNAL STANDARDS</b> |                         |       |           |        |     |            |           |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4  | 6231  | 7.566     |        |     |            |           |
| 1146-65-2                 | Naphthalene-d8          | 17902 | 10.346    |        |     |            |           |
| 15067-26-2                | Acenaphthene-d10        | 7516  | 14.21     |        |     |            |           |
| 1517-22-2                 | Phenanthrene-d10        | 22489 | 16.966    |        |     |            |           |
| 1719-03-5                 | Chrysene-d12            | 10867 | 21.175    |        |     |            |           |
| 1520-96-3                 | Perylene-d12            | 11633 | 23.358    |        |     |            |           |

## Report of Analysis

|                    |                        |                 |                      |
|--------------------|------------------------|-----------------|----------------------|
| Client:            |                        | Date Collected: | 5/6/2024 12:00:00 AM |
| Project:           |                        | Date Received:  | 5/6/2024 12:00:00 AM |
| Client Sample ID:  | PB160745BS             | SDG No.:        | BN050724             |
| Lab Sample ID:     | PB160745BS             | 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 |
| BN031427.D        | 1         | 5/6/2024 12:00:00 AM | 5/7/2024 12:00:00 AM | PB160745      |

| CAS Number     | Parameter                  | Conc. | Qualifier | MDL  | LOD | LOQ / CRQL | Units |
|----------------|----------------------------|-------|-----------|------|-----|------------|-------|
| <b>TARGETS</b> |                            |       |           |      |     |            |       |
| 62-75-9        | n-Nitrosodimethylamine     | 0.35  |           | 0.03 | 0.2 | 0.2        | ug/L  |
| 111-44-4       | bis(2-Chloroethyl)ether    | 0.36  |           | 0.03 | 0.1 | 0.1        | ug/L  |
| 91-20-3        | Naphthalene                | 0.37  |           | 0.02 | 0.1 | 0.1        | ug/L  |
| 87-68-3        | Hexachlorobutadiene        | 0.37  |           | 0.03 | 0.1 | 0.1        | ug/L  |
| 91-57-6        | 2-Methylnaphthalene        | 0.5   |           | 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                  | 6.18  |           | 0.45 | 0.1 | 1.6        | ug/L  |
| 86-73-7        | Fluorene                   | 0.44  |           | 0.02 | 0.1 | 0.1        | ug/L  |
| 534-52-1       | 4,6-Dinitro-2-methylphenol | 0.32  |           | 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          | 0.38  |           | 0.03 | 0.1 | 0.1        | ug/L  |
| 1912-24-9      | Atrazine                   | 0.36  |           | 0.02 | 0.1 | 0.1        | ug/L  |
| 87-86-5        | Pentachlorophenol          | 0.37  |           | 0.09 | 0.2 | 0.2        | ug/L  |
| 85-01-8        | Phenanthrene               | 0.38  |           | 0.02 | 0.1 | 0.1        | ug/L  |
| 120-12-7       | Anthracene                 | 0.35  |           | 0.02 | 0.1 | 0.1        | ug/L  |
| 206-44-0       | Fluoranthene               | 0.36  |           | 0.02 | 0.1 | 0.1        | ug/L  |
| 129-00-0       | Pyrene                     | 0.55  |           | 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                   | 0.34  |           | 0.03 | 0.1 | 0.1        | ug/L  |
| 117-81-7       | Bis(2-ethylhexyl)phthalate | 0.37  |           | 0.14 | 0.2 | 0.2        | ug/L  |
| 205-99-2       | Benzo(b)fluoranthene       | 0.27  |           | 0.03 | 0.1 | 0.1        | ug/L  |
| 207-08-9       | Benzo(k)fluoranthene       | 0.33  |           | 0.03 | 0.1 | 0.1        | ug/L  |
| 50-32-8        | Benzo(a)pyrene             | 0.4   |           | 0.06 | 0.1 | 0.1        | ug/L  |
| 193-39-5       | Indeno(1,2,3-cd)pyrene     | 0.39  |           | 0.04 | 0.1 | 0.1        | ug/L  |
| 53-70-3        | Dibenzo(a,h)anthracene     | 0.39  |           | 0.04 | 0.1 | 0.1        | ug/L  |
| 191-24-2       | Benzo(g,h,i)perylene       | 0.43  |           | 0.04 | 0.1 | 0.1        | ug/L  |
| 123-91-1       | 1,4-Dioxane                | 0.35  |           | 0.07 | 0.2 | 0.2        | ug/L  |

## Report of Analysis

|                    |                        |                 |                      |
|--------------------|------------------------|-----------------|----------------------|
| Client:            |                        | Date Collected: | 5/6/2024 12:00:00 AM |
| Project:           |                        | Date Received:  | 5/6/2024 12:00:00 AM |
| Client Sample ID:  | PB160745BS             | SDG No.:        | BN050724             |
| Lab Sample ID:     | PB160745BS             | 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 |
| BN031427.D        | 1         | 5/6/2024 12:00:00 AM | 5/7/2024 12:00:00 AM | PB160745      |

| CAS Number                | Parameter               | Conc. | Qualifier | MDL    | LOD | LOQ / CRQL | Units     |
|---------------------------|-------------------------|-------|-----------|--------|-----|------------|-----------|
| <b>SURROGATES</b>         |                         |       |           |        |     |            |           |
| 7297-45-2                 | 2-Methylnaphthalene-d10 | 0.492 |           | 30-150 |     | 123        | SPK: -0.4 |
| 93951-69-0                | Fluoranthene-d10        | 0.37  |           | 30-150 |     | 93         | SPK: -0.4 |
| 367-12-4                  | 2-Fluorophenol          | 0.366 |           | 10-92  |     | 91         | SPK: -0.4 |
| 13127-88-3                | Phenol-d6               | 0.36  |           | 10-100 |     | 90         | SPK: -0.4 |
| 4165-60-0                 | Nitrobenzene-d5         | 0.296 |           | 11-175 |     | 74         | SPK: -0.4 |
| 321-60-8                  | 2-Fluorobiphenyl        | 0.482 |           | 10-175 |     | 120        | SPK: -0.4 |
| 118-79-6                  | 2,4,6-Tribromophenol    | 0.327 |           | 24-148 |     | 82         | SPK: -0.4 |
| 1718-51-0                 | Terphenyl-d14           | 0.454 |           | 54-171 |     | 113        | SPK: -0.4 |
| <b>INTERNAL STANDARDS</b> |                         |       |           |        |     |            |           |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4  | 5531  | 7.566     |        |     |            |           |
| 1146-65-2                 | Naphthalene-d8          | 17336 | 10.336    |        |     |            |           |
| 15067-26-2                | Acenaphthene-d10        | 8823  | 14.21     |        |     |            |           |
| 1517-22-2                 | Phenanthrene-d10        | 22881 | 16.966    |        |     |            |           |
| 1719-03-5                 | Chrysene-d12            | 15708 | 21.166    |        |     |            |           |
| 1520-96-3                 | Perylene-d12            | 20531 | 23.355    |        |     |            |           |

## Report of Analysis

|                    |                        |                 |                      |
|--------------------|------------------------|-----------------|----------------------|
| Client:            |                        | Date Collected: | 5/6/2024 12:00:00 AM |
| Project:           |                        | Date Received:  | 5/6/2024 12:00:00 AM |
| Client Sample ID:  | PB160745BSD            | SDG No.:        | BN050724             |
| Lab Sample ID:     | PB160745BSD            | 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 |
| BN031428.D        | 1         | 5/6/2024 12:00:00 AM | 5/7/2024 12:00:00 AM | PB160745      |

| CAS Number     | Parameter                  | Conc. | Qualifier | MDL  | LOD | LOQ / CRQL | Units |
|----------------|----------------------------|-------|-----------|------|-----|------------|-------|
| <b>TARGETS</b> |                            |       |           |      |     |            |       |
| 62-75-9        | n-Nitrosodimethylamine     | 0.37  |           | 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                | 0.37  |           | 0.02 | 0.1 | 0.1        | ug/L  |
| 87-68-3        | Hexachlorobutadiene        | 0.54  |           | 0.03 | 0.1 | 0.1        | ug/L  |
| 91-57-6        | 2-Methylnaphthalene        | 0.53  |           | 0.03 | 0.1 | 0.1        | ug/L  |
| 208-96-8       | Acenaphthylene             | 0.36  |           | 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                  | 6.32  |           | 0.45 | 0.1 | 1.6        | ug/L  |
| 86-73-7        | Fluorene                   | 0.39  |           | 0.02 | 0.1 | 0.1        | ug/L  |
| 534-52-1       | 4,6-Dinitro-2-methylphenol | 0.32  |           | 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                   | 0.36  |           | 0.02 | 0.1 | 0.1        | ug/L  |
| 87-86-5        | Pentachlorophenol          | 0.36  |           | 0.09 | 0.2 | 0.2        | ug/L  |
| 85-01-8        | Phenanthrene               | 0.38  |           | 0.02 | 0.1 | 0.1        | ug/L  |
| 120-12-7       | Anthracene                 | 0.36  |           | 0.02 | 0.1 | 0.1        | ug/L  |
| 206-44-0       | Fluoranthene               | 0.37  |           | 0.02 | 0.1 | 0.1        | ug/L  |
| 129-00-0       | Pyrene                     | 0.43  |           | 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                   | 0.39  |           | 0.03 | 0.1 | 0.1        | ug/L  |
| 117-81-7       | Bis(2-ethylhexyl)phthalate | 0.48  |           | 0.14 | 0.2 | 0.2        | ug/L  |
| 205-99-2       | Benzo(b)fluoranthene       | 0.3   |           | 0.03 | 0.1 | 0.1        | ug/L  |
| 207-08-9       | Benzo(k)fluoranthene       | 0.31  |           | 0.03 | 0.1 | 0.1        | ug/L  |
| 50-32-8        | Benzo(a)pyrene             | 0.35  |           | 0.06 | 0.1 | 0.1        | ug/L  |
| 193-39-5       | Indeno(1,2,3-cd)pyrene     | 0.5   |           | 0.04 | 0.1 | 0.1        | ug/L  |
| 53-70-3        | Dibenzo(a,h)anthracene     | 0.5   |           | 0.04 | 0.1 | 0.1        | ug/L  |
| 191-24-2       | Benzo(g,h,i)perylene       | 0.55  |           | 0.04 | 0.1 | 0.1        | ug/L  |
| 123-91-1       | 1,4-Dioxane                | 0.38  |           | 0.07 | 0.2 | 0.2        | ug/L  |

## Report of Analysis

|                    |                        |                 |                      |
|--------------------|------------------------|-----------------|----------------------|
| Client:            |                        | Date Collected: | 5/6/2024 12:00:00 AM |
| Project:           |                        | Date Received:  | 5/6/2024 12:00:00 AM |
| Client Sample ID:  | PB160745BSD            | SDG No.:        | BN050724             |
| Lab Sample ID:     | PB160745BSD            | 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 |
| BN031428.D        | 1         | 5/6/2024 12:00:00 AM | 5/7/2024 12:00:00 AM | PB160745      |

| CAS Number                | Parameter               | Conc. | Qualifier | MDL    | LOD | LOQ / CRQL | Units     |
|---------------------------|-------------------------|-------|-----------|--------|-----|------------|-----------|
| <b>SURROGATES</b>         |                         |       |           |        |     |            |           |
| 7297-45-2                 | 2-Methylnaphthalene-d10 | 0.526 |           | 30-150 |     | 132        | SPK: -0.4 |
| 93951-69-0                | Fluoranthene-d10        | 0.369 |           | 30-150 |     | 92         | SPK: -0.4 |
| 367-12-4                  | 2-Fluorophenol          | 0.368 |           | 10-92  |     | 92         | SPK: -0.4 |
| 13127-88-3                | Phenol-d6               | 0.354 |           | 10-100 |     | 88         | SPK: -0.4 |
| 4165-60-0                 | Nitrobenzene-d5         | 0.518 |           | 11-175 |     | 129        | SPK: -0.4 |
| 321-60-8                  | 2-Fluorobiphenyl        | 0.426 |           | 10-175 |     | 106        | SPK: -0.4 |
| 118-79-6                  | 2,4,6-Tribromophenol    | 0.292 |           | 24-148 |     | 73         | SPK: -0.4 |
| 1718-51-0                 | Terphenyl-d14           | 0.356 |           | 54-171 |     | 89         | SPK: -0.4 |
| <b>INTERNAL STANDARDS</b> |                         |       |           |        |     |            |           |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4  | 5803  | 7.567     |        |     |            |           |
| 1146-65-2                 | Naphthalene-d8          | 9962  | 10.336    |        |     |            |           |
| 15067-26-2                | Acenaphthene-d10        | 10377 | 14.21     |        |     |            |           |
| 1517-22-2                 | Phenanthrene-d10        | 23381 | 16.967    |        |     |            |           |
| 1719-03-5                 | Chrysene-d12            | 20485 | 21.166    |        |     |            |           |
| 1520-96-3                 | Perylene-d12            | 16688 | 23.356    |        |     |            |           |

## Report of Analysis

|                    |                       |                 |                      |
|--------------------|-----------------------|-----------------|----------------------|
| Client:            |                       | Date Collected: | 5/3/2024 12:00:00 AM |
| Project:           |                       | Date Received:  | 5/3/2024 12:00:00 AM |
| Client Sample ID:  | EB-01-050324          | SDG No.:        | BN050724             |
| Lab Sample ID:     | P2394-01              | 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 |
| BN031429.D        | 1         | 5/6/2024 12:00:00 AM | 5/7/2024 12:00:00 AM | PB160745      |

| 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                | 0.03  | J         | 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: | 5/3/2024 12:00:00 AM |
| Project:           |                       | Date Received:  | 5/3/2024 12:00:00 AM |
| Client Sample ID:  | EB-01-050324          | SDG No.:        | BN050724             |
| Lab Sample ID:     | P2394-01              | 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 |
| BN031429.D        | 1         | 5/6/2024 12:00:00 AM | 5/7/2024 12:00:00 AM | PB160745      |

| CAS Number                | Parameter               | Conc. | Qualifier | MDL    | LOD | LOQ / CRQL | Units     |
|---------------------------|-------------------------|-------|-----------|--------|-----|------------|-----------|
| <b>SURROGATES</b>         |                         |       |           |        |     |            |           |
| 7297-45-2                 | 2-Methylnaphthalene-d10 | 0.344 |           | 30-150 |     | 86         | SPK: -0.4 |
| 93951-69-0                | Fluoranthene-d10        | 0.297 |           | 30-150 |     | 74         | SPK: -0.4 |
| 367-12-4                  | 2-Fluorophenol          | 0.008 | *         | 10-92  |     | 2          | SPK: -0.4 |
| 13127-88-3                | Phenol-d6               | 0.004 | *         | 10-100 |     | 1          | SPK: -0.4 |
| 4165-60-0                 | Nitrobenzene-d5         | 0.155 |           | 11-175 |     | 39         | SPK: -0.4 |
| 321-60-8                  | 2-Fluorobiphenyl        | 0.414 |           | 10-175 |     | 103        | SPK: -0.4 |
| 118-79-6                  | 2,4,6-Tribromophenol    | 0.072 | *         | 24-148 |     | 18         | SPK: -0.4 |
| 1718-51-0                 | Terphenyl-d14           | 0.288 |           | 54-171 |     | 72         | SPK: -0.4 |
| <b>INTERNAL STANDARDS</b> |                         |       |           |        |     |            |           |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4  | 6031  | 7.567     |        |     |            |           |
| 1146-65-2                 | Naphthalene-d8          | 17851 | 10.336    |        |     |            |           |
| 15067-26-2                | Acenaphthene-d10        | 5587  | 14.21     |        |     |            |           |
| 1517-22-2                 | Phenanthrene-d10        | 12418 | 16.966    |        |     |            |           |
| 1719-03-5                 | Chrysene-d12            | 11970 | 21.166    |        |     |            |           |
| 1520-96-3                 | Perylene-d12            | 13667 | 23.355    |        |     |            |           |

## Report of Analysis

|                    |                       |                 |                      |
|--------------------|-----------------------|-----------------|----------------------|
| Client:            |                       | Date Collected: | 5/3/2024 12:00:00 AM |
| Project:           |                       | Date Received:  | 5/3/2024 12:00:00 AM |
| Client Sample ID:  | MW-17B-72-050324      | SDG No.:        | BN050724             |
| Lab Sample ID:     | P2394-03              | 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 |
| BN031430.D        | 1         | 5/6/2024 12:00:00 AM | 5/7/2024 12:00:00 AM | PB160745      |

| 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  | J         | 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        | 0.18  |           | 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               | 0.07  | 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               | 0.05  | J         | 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  | 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                | 7.1   | E         | 0.07 | 0.2 | 0.2        | ug/L  |

## Report of Analysis

|                    |                       |                 |                      |
|--------------------|-----------------------|-----------------|----------------------|
| Client:            |                       | Date Collected: | 5/3/2024 12:00:00 AM |
| Project:           |                       | Date Received:  | 5/3/2024 12:00:00 AM |
| Client Sample ID:  | MW-17B-72-050324      | SDG No.:        | BN050724             |
| Lab Sample ID:     | P2394-03              | 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 |
| BN031430.D        | 1         | 5/6/2024 12:00:00 AM | 5/7/2024 12:00:00 AM | PB160745      |

| CAS Number                | Parameter               | Conc. | Qualifier | MDL    | LOD | LOQ / CRQL | Units     |
|---------------------------|-------------------------|-------|-----------|--------|-----|------------|-----------|
| <b>SURROGATES</b>         |                         |       |           |        |     |            |           |
| 7297-45-2                 | 2-Methylnaphthalene-d10 | 0.392 |           | 30-150 |     | 98         | SPK: -0.4 |
| 93951-69-0                | Fluoranthene-d10        | 0.311 |           | 30-150 |     | 78         | SPK: -0.4 |
| 367-12-4                  | 2-Fluorophenol          | 0.09  |           | 10-92  |     | 23         | SPK: -0.4 |
| 13127-88-3                | Phenol-d6               | 0.052 |           | 10-100 |     | 13         | SPK: -0.4 |
| 4165-60-0                 | Nitrobenzene-d5         | 0.172 |           | 11-175 |     | 43         | SPK: -0.4 |
| 321-60-8                  | 2-Fluorobiphenyl        | 0.285 |           | 10-175 |     | 71         | SPK: -0.4 |
| 118-79-6                  | 2,4,6-Tribromophenol    | 0.156 |           | 24-148 |     | 39         | SPK: -0.4 |
| 1718-51-0                 | Terphenyl-d14           | 0.327 |           | 54-171 |     | 82         | SPK: -0.4 |
| <b>INTERNAL STANDARDS</b> |                         |       |           |        |     |            |           |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4  | 6294  | 7.567     |        |     |            |           |
| 1146-65-2                 | Naphthalene-d8          | 18712 | 10.336    |        |     |            |           |
| 15067-26-2                | Acenaphthene-d10        | 10837 | 14.21     |        |     |            |           |
| 1517-22-2                 | Phenanthrene-d10        | 24833 | 16.967    |        |     |            |           |
| 1719-03-5                 | Chrysene-d12            | 21035 | 21.175    |        |     |            |           |
| 1520-96-3                 | Perylene-d12            | 20253 | 23.355    |        |     |            |           |

### Hit Summary Sheet SW-846

SDG No.: BN050724

Client:

| Sample ID                           | Client ID        |       | Parameter                   | Concentration | C | MDL         | RDL | Units |
|-------------------------------------|------------------|-------|-----------------------------|---------------|---|-------------|-----|-------|
| <b>Client ID : EB-01-050324</b>     |                  |       |                             |               |   |             |     |       |
| P2394-01                            | EB-01-050324     | Water | Naphthalene                 | 0.030         | J | 0.02        | 0.1 | ug/L  |
|                                     |                  |       | <b>Total Svoc :</b>         |               |   | <b>0.03</b> |     |       |
|                                     |                  |       | <b>Total Concentration:</b> |               |   | <b>0.03</b> |     |       |
| <b>Client ID : MW-17B-72-050324</b> |                  |       |                             |               |   |             |     |       |
| P2394-03                            | MW-17B-72-050324 | Water | 1,4-Dioxane                 | 7.100         | E | 0.07        | 0.2 | ug/L  |
| P2394-03                            | MW-17B-72-050324 | Water | 2-Methylnaphthalene         | 0.180         |   | 0.03        | 0.1 | ug/L  |
| P2394-03                            | MW-17B-72-050324 | Water | Benzo(a)anthracene          | 0.020         | J | 0.02        | 0.1 | ug/L  |
| P2394-03                            | MW-17B-72-050324 | Water | Chrysene                    | 0.030         | J | 0.03        | 0.1 | ug/L  |
| P2394-03                            | MW-17B-72-050324 | Water | Fluoranthene                | 0.050         | J | 0.02        | 0.1 | ug/L  |
| P2394-03                            | MW-17B-72-050324 | Water | Naphthalene                 | 0.020         | J | 0.02        | 0.1 | ug/L  |
| P2394-03                            | MW-17B-72-050324 | Water | Phenanthrene                | 0.070         | J | 0.02        | 0.1 | ug/L  |
|                                     |                  |       | <b>Total Svoc :</b>         |               |   | <b>7.47</b> |     |       |
|                                     |                  |       | <b>Total Concentration:</b> |               |   | <b>7.47</b> |     |       |
| <b>Client ID : ICVBN050724</b>      |                  |       |                             |               |   |             |     |       |
| SSTDICV0.4                          | ICVBN050724      | Water | 1,4-Dioxane                 | 380.000       |   | 68          | 200 | ug/L  |
| SSTDICV0.4                          | ICVBN050724      | Water | 2-Methylnaphthalene         | 560.000       |   | 30          | 100 | ug/L  |
| SSTDICV0.4                          | ICVBN050724      | Water | 4,6-Dinitro-2-methylphenol  | 460.000       |   | 140         | 200 | ug/L  |
| SSTDICV0.4                          | ICVBN050724      | Water | 4-Bromophenyl-phenylether   | 450.000       |   | 26          | 100 | ug/L  |
| SSTDICV0.4                          | ICVBN050724      | Water | Acenaphthene                | 380.000       |   | 20          | 100 | ug/L  |
| SSTDICV0.4                          | ICVBN050724      | Water | Acenaphthylene              | 360.000       |   | 21          | 100 | ug/L  |
| SSTDICV0.4                          | ICVBN050724      | Water | Anthracene                  | 450.000       |   | 24          | 100 | ug/L  |
| SSTDICV0.4                          | ICVBN050724      | Water | Atrazine                    | 420.000       |   | 23          | 100 | ug/L  |
| SSTDICV0.4                          | ICVBN050724      | Water | Benzo(a)anthracene          | 370.000       |   | 22          | 100 | ug/L  |
| SSTDICV0.4                          | ICVBN050724      | Water | Benzo(a)pyrene              | 390.000       |   | 56          | 100 | ug/L  |
| SSTDICV0.4                          | ICVBN050724      | Water | Benzo(b)fluoranthene        | 380.000       |   | 32          | 100 | ug/L  |
| SSTDICV0.4                          | ICVBN050724      | Water | Benzo(g,h,i)perylene        | 400.000       |   | 37          | 100 | ug/L  |
| SSTDICV0.4                          | ICVBN050724      | Water | Benzo(k)fluoranthene        | 390.000       |   | 34          | 100 | ug/L  |
| SSTDICV0.4                          | ICVBN050724      | Water | bis(2-Chloroethyl)ether     | 380.000       |   | 28          | 100 | ug/L  |
| SSTDICV0.4                          | ICVBN050724      | Water | Bis(2-ethylhexyl)phthalate  | 320.000       |   | 140         | 200 | ug/L  |
| SSTDICV0.4                          | ICVBN050724      | Water | Chrysene                    | 390.000       |   | 26          | 100 | ug/L  |
| SSTDICV0.4                          | ICVBN050724      | Water | Dibenzo(a,h)anthracene      | 360.000       |   | 39          | 100 | ug/L  |
| SSTDICV0.4                          | ICVBN050724      | Water | Fluoranthene                | 500.000       |   | 23          | 100 | ug/L  |
| SSTDICV0.4                          | ICVBN050724      | Water | Fluorene                    | 400.000       |   | 18          | 100 | ug/L  |
| SSTDICV0.4                          | ICVBN050724      | Water | Hexachlorobenzene           | 480.000       |   | 29          | 100 | ug/L  |
| SSTDICV0.4                          | ICVBN050724      | Water | Hexachlorobutadiene         | 390.000       |   | 26          | 100 | ug/L  |
| SSTDICV0.4                          | ICVBN050724      | Water | Indeno(1,2,3-cd)pyrene      | 360.000       |   | 38          | 100 | ug/L  |

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

**SDG No.:** BN050724

**Client:**

| Sample ID            | Client ID   |       | Parameter              | Concentration | C | MDL              | RDL  | Units |
|----------------------|-------------|-------|------------------------|---------------|---|------------------|------|-------|
| SSTDICV0.4           | ICVBN050724 | Water | n-Nitrosodimethylamine | 370.000       |   | 30               | 200  | ug/L  |
| SSTDICV0.4           | ICVBN050724 | Water | Naphthalene            | 330.000       |   | 24               | 100  | ug/L  |
| SSTDICV0.4           | ICVBN050724 | Water | Pentachlorophenol      | 410.000       |   | 90               | 200  | ug/L  |
| SSTDICV0.4           | ICVBN050724 | Water | Phenanthrene           | 430.000       |   | 20               | 100  | ug/L  |
| SSTDICV0.4           | ICVBN050724 | Water | Pyrene                 | 460.000       |   | 22               | 100  | ug/L  |
| SSTDICV0.4           | ICVBN050724 | Water | Total PAH              | 6,350.000     |   | 456              | 1600 | ug/L  |
| Total Svoc :         |             |       |                        |               |   | <b>17,320.00</b> |      |       |
| Total Concentration: |             |       |                        |               |   | <b>17,320.00</b> |      |       |

## SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

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

Lab Code: CHEM Case No.: BN050724 SAS No.: BN050724 SDG No.: BN050724

Instrument ID: \_\_\_\_\_ Calibration Date(s): 5/7/2024 1: \_\_\_\_\_

Calibration Time(s): 12:44 \_\_\_\_\_

| LAB FILE ID:               | RRF0.1 = BN031418.D |        |        | RRF0.2 = BN031419.D |        |        | RRF0.4 = BN031420.D |       |
|----------------------------|---------------------|--------|--------|---------------------|--------|--------|---------------------|-------|
|                            | RRF0.8 = BN031421.D |        |        | RRF1.6 = BN031422.D |        |        | RRF3.2 = BN031423.D |       |
| COMPOUND                   | RRF0.1              | RRF0.2 | RRF0.4 | RRF0.8              | RRF1.6 | RRF3.2 | RRF                 | % RSD |
| 2-Methylnaphthalene-d10    | 0.566               | 0.839  | 0.395  | 0.446               | 0.535  | 0.645  | 0.592               | 26.1  |
| Fluoranthene-d10           | 0.861               | 1.204  | 1.001  | 1.070               | 1.199  | 1.164  | 1.082               | 11.4  |
| n-Nitrosodimethylamine     | 0.478               | 0.479  | 0.445  | 0.476               | 0.508  | 0.493  | 0.476               | 4.4   |
| 2-Fluorophenol             | 0.871               | 0.947  | 0.907  | 0.921               | 0.992  | 0.961  | 0.937               | 4.3   |
| Phenol-d6                  | 0.940               | 1.033  | 1.037  | 1.072               | 1.217  | 1.239  | 1.113               | 11.0  |
| bis(2-Chloroethyl)ether    | 0.889               | 0.997  | 0.992  | 1.024               | 1.141  | 1.125  | 1.040               | 8.8   |
| Nitrobenzene-d5            | 0.250               | 0.367  | 0.331  | 0.369               | 0.481  | 0.314  | 0.351               | 19.9  |
| Naphthalene                | 1.047               | 1.215  | 1.003  | 0.962               | 1.377  | 1.104  | 1.118               | 12.6  |
| Hexachlorobutadiene        | 0.223               | 0.269  | 0.218  | 0.175               | 0.302  | 0.217  | 0.233               | 17.5  |
| 2-Methylnaphthalene        | 0.677               | 0.992  | 0.450  | 0.503               | 0.607  | 0.753  | 0.687               | 27.4  |
| 2-Fluorobiphenyl           | 1.582               | 1.646  | 0.908  | 1.408               | 1.645  | 1.563  | 1.480               | 17.9  |
| Acenaphthylene             | 1.528               | 1.619  | 1.611  | 1.610               | 1.909  | 2.021  | 1.755               | 11.8  |
| Acenaphthene               | 1.125               | 1.123  | 1.183  | 1.188               | 1.242  | 1.298  | 1.203               | 5.6   |
| Fluorene                   | 1.424               | 0.911  | 1.534  | 2.540               | 1.672  | 1.175  | 1.556               | 32.8  |
| 4,6-Dinitro-2-methylphenol | 0.046               | 0.037  | 0.049  | 0.057               | 0.086  | 0.076  | 0.064               | 35.0  |
| 2,4,6-Tribromophenol       | 0.131               | 0.103  | 0.147  | 0.255               | 0.205  | 0.203  | 0.178               | 29.6  |
| 4-Bromophenyl-phenylether  | 0.209               | 0.216  | 0.221  | 0.227               | 0.242  | 0.251  | 0.231               | 7.2   |
| Hexachlorobenzene          | 0.272               | 0.247  | 0.255  | 0.260               | 0.276  | 0.273  | 0.264               | 4.1   |
| Atrazine                   | 0.153               | 0.156  | 0.161  | 0.173               | 0.214  | 0.208  | 0.181               | 14.5  |
| Pentachlorophenol          | 0.069               | 0.074  | 0.084  | 0.099               | 0.140  | 0.140  | 0.109               | 32.3  |
| Phenanthrene               | 1.119               | 1.123  | 1.100  | 1.132               | 1.168  | 1.216  | 1.148               | 3.5   |
| Anthracene                 | 0.860               | 0.867  | 0.879  | 0.930               | 1.063  | 1.100  | 0.965               | 10.8  |
| Fluoranthene               | 1.293               | 1.540  | 1.282  | 1.373               | 1.481  | 1.483  | 1.402               | 7.2   |
| Pyrene                     | 1.280               | 1.871  | 1.746  | 1.506               | 1.100  | 1.830  | 1.612               | 20.1  |
| Terphenyl-d14              | 0.853               | 1.138  | 1.067  | 0.937               | 0.757  | 1.121  | 1.015               | 16.9  |
| Benzo (a) anthracene       | 1.306               | 1.335  | 1.269  | 1.351               | 1.461  | 1.533  | 1.381               | 6.7   |
| Chrysene                   | 1.502               | 1.379  | 1.332  | 1.420               | 1.543  | 1.511  | 1.439               | 5.5   |
| Bis(2-ethylhexyl)phthalate | 0.758               | 0.693  | 0.475  | 0.642               | 0.816  | 0.828  | 0.730               | 19.3  |
| Benzo (b) fluoranthene     | 1.532               | 1.534  | 1.455  | 1.515               | 1.701  | 1.625  | 1.569               | 5.3   |
| Benzo (k) fluoranthene     | 1.494               | 1.505  | 1.437  | 1.511               | 1.654  | 1.604  | 1.539               | 4.8   |
| Benzo (a) pyrene           | 1.305               | 1.247  | 1.216  | 1.260               | 1.415  | 1.392  | 1.317               | 6.0   |
| Indeno (1,2,3-cd) pyrene   | 1.608               | 1.535  | 1.362  | 1.647               | 1.719  | 1.737  | 1.616               | 8.2   |
| Dibenzo (a,h) anthracene   | 1.244               | 1.200  | 1.045  | 1.310               | 1.374  | 1.388  | 1.274               | 9.6   |
| Benzo (g,h,i) perylene     | 1.454               | 0.879  | 1.136  | 1.250               | 1.477  | 1.394  | 1.292               | 17.1  |
| 1,4-Dioxane                | 0.608               | 0.503  | 0.454  | 0.454               | 0.465  | 0.437  | 0.477               | 13.2  |

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.: BN050724 SAS No.: BN050724 SDG NO.: BN050724

EPA Sample No.: SSTDICCC0.4 Date Analyzed: May 7 2024 12:00AM

Lab File ID: BN031420.D Time Analyzed: 17:03

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         | 5969                | 7.566 | 14706               | 10.34  | 10587               | 14.21 |
| UPPER LIMIT         | 11938               | 8.066 | 29412               | 10.836 | 21174               | 14.71 |
| LOWER LIMIT         | 2984.5              | 7.066 | 7353                | 9.836  | 5293.5              | 13.71 |
| EPA SAMPLE NO.      |                     |       |                     |        |                     |       |
| 01 ICVBN050724      | 6443                | 7.57  | 16305               | 10.34  | 11520               | 14.21 |
| 02 PB160745BL       | 6231                | 7.57  | 17902               | 10.35  | 7516                | 14.21 |
| 03 PB160745BS       | 5531                | 7.57  | 17336               | 10.34  | 8823                | 14.21 |
| 04 PB160745BSD      | 5803                | 7.57  | 9962                | 10.34  | 10377               | 14.21 |
| 05 EB-01-050324     | 6031                | 7.57  | 17851               | 10.34  | 5587                | 14.21 |
| 06 MW-17B-72-050324 | 6294                | 7.57  | 18712               | 10.34  | 10837               | 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.: BN050724 SAS No.: BN050724 SDG NO.: BN050724

EPA Sample No.: SSTDICCC0.4 Date Analyzed: May 7 2024 12:00AM

Lab File ID: BN031420.D Time Analyzed: 17:03

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         | 5969                | 7.566 | 14706               | 10.34  | 10587               | 14.21 |
| UPPER LIMIT         | 11938               | 8.066 | 29412               | 10.836 | 21174               | 14.71 |
| LOWER LIMIT         | 2984.5              | 7.066 | 7353                | 9.836  | 5293.5              | 13.71 |
| EPA SAMPLE NO.      |                     |       |                     |        |                     |       |
| 01 ICVBN050724      | 6443                | 7.57  | 16305               | 10.34  | 11520               | 14.21 |
| 02 PB160745BL       | 6231                | 7.57  | 17902               | 10.35  | 7516                | 14.21 |
| 03 PB160745BS       | 5531                | 7.57  | 17336               | 10.34  | 8823                | 14.21 |
| 04 PB160745BSD      | 5803                | 7.57  | 9962                | 10.34  | 10377               | 14.21 |
| 05 EB-01-050324     | 6031                | 7.57  | 17851               | 10.34  | 5587                | 14.21 |
| 06 MW-17B-72-050324 | 6294                | 7.57  | 18712               | 10.34  | 10837               | 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.: BN050724 SAS No.: BN050724 SDG NO.: BN050724

EPA Sample No.: SSTDICCC0.4 Date Analyzed: May 7 2024 12:00AM

Lab File ID: BN031420.D Time Analyzed: 17:03

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         | 23884               | 16.966 | 17819               | 21.175 | 20666               | 23.358 |
| UPPER LIMIT         | 47768               | 17.466 | 35638               | 21.675 | 41332               | 23.858 |
| LOWER LIMIT         | 11942               | 16.466 | 8909.5              | 20.675 | 10333               | 22.858 |
| EPA SAMPLE NO.      |                     |        |                     |        |                     |        |
| 01 ICVBN050724      | 18093               | 16.97  | 20245               | 21.18  | 18492               | 23.36  |
| 02 PB160745BL       | 22489               | 16.97  | 10867               | 21.18  | 11633               | 23.36  |
| 03 PB160745BS       | 22881               | 16.97  | 15708               | 21.17  | 20531               | 23.36  |
| 04 PB160745BSD      | 23381               | 16.97  | 20485               | 21.17  | 16688               | 23.36  |
| 05 EB-01-050324     | 12418               | 16.97  | 11970               | 21.17  | 13667               | 23.36  |
| 06 MW-17B-72-050324 | 24833               | 16.97  | 21035               | 21.18  | 20253               | 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.: BN050724 SAS No.: BN050724 SDG NO.: BN050724

EPA Sample No.: SSTDICCC0.4 Date Analyzed: May 7 2024 12:00AM

Lab File ID: BN031420.D Time Analyzed: 17:03

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         | 23884               | 16.966 | 17819               | 21.175 | 20666               | 23.358 |
| UPPER LIMIT         | 47768               | 17.466 | 35638               | 21.675 | 41332               | 23.858 |
| LOWER LIMIT         | 11942               | 16.466 | 8909.5              | 20.675 | 10333               | 22.858 |
| EPA SAMPLE NO.      |                     |        |                     |        |                     |        |
| 01 ICVBN050724      | 18093               | 16.97  | 20245               | 21.18  | 18492               | 23.36  |
| 02 PB160745BL       | 22489               | 16.97  | 10867               | 21.18  | 11633               | 23.36  |
| 03 PB160745BS       | 22881               | 16.97  | 15708               | 21.17  | 20531               | 23.36  |
| 04 PB160745BSD      | 23381               | 16.97  | 20485               | 21.17  | 16688               | 23.36  |
| 05 EB-01-050324     | 12418               | 16.97  | 11970               | 21.17  | 13667               | 23.36  |
| 06 MW-17B-72-050324 | 24833               | 16.97  | 21035               | 21.18  | 20253               | 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.

## Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: BN050724

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

Analytical Method: **8270-Modified**

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

| Lab Sample ID | Parameter                  | Spike | Result | Unit | Rec | RPD | RPD  |      | Limits |      | RPD |
|---------------|----------------------------|-------|--------|------|-----|-----|------|------|--------|------|-----|
|               |                            |       |        |      |     |     | Qual | Qual | Low    | High |     |
| PB160745BS    | n-Nitrosodimethylamine     | 0.4   | 0.35   | ug/L | 88  |     |      |      | 33     | 130  |     |
|               | bis(2-Chloroethyl)ether    | 0.4   | 0.36   | ug/L | 90  |     |      |      | 55     | 118  |     |
|               | Naphthalene                | 0.4   | 0.37   | ug/L | 93  |     |      |      | 67     | 120  |     |
|               | Hexachlorobutadiene        | 0.4   | 0.37   | ug/L | 93  |     |      |      | 33     | 114  |     |
|               | 2-Methylnaphthalene        | 0.4   | 0.5    | ug/L | 125 |     | *    |      | 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   | 6.18   | ug/L | 97  |     |      |      | 65     | 119  |     |
|               | Fluorene                   | 0.4   | 0.44   | ug/L | 110 |     |      |      | 58     | 122  |     |
|               | 4,6-Dinitro-2-methylphenol | 0.4   | 0.32   | ug/L | 80  |     |      |      | 20     | 150  |     |
|               | 4-Bromophenyl-phenylether  | 0.4   | 0.38   | ug/L | 95  |     |      |      | 20     | 150  |     |
|               | Hexachlorobenzene          | 0.4   | 0.38   | ug/L | 95  |     |      |      | 62     | 127  |     |
|               | Atrazine                   | 0.4   | 0.36   | ug/L | 90  |     |      |      | 20     | 150  |     |
|               | Pentachlorophenol          | 0.8   | 0.37   | ug/L | 46  |     |      |      | 10     | 137  |     |
|               | Phenanthrene               | 0.4   | 0.38   | ug/L | 95  |     |      |      | 65     | 117  |     |
|               | Anthracene                 | 0.4   | 0.35   | ug/L | 88  |     |      |      | 57     | 118  |     |
|               | Fluoranthene               | 0.4   | 0.36   | ug/L | 90  |     |      |      | 53     | 126  |     |
|               | Pyrene                     | 0.4   | 0.55   | ug/L | 138 |     | *    |      | 54     | 124  |     |
|               | Benzo(a)anthracene         | 0.4   | 0.38   | ug/L | 95  |     |      |      | 54     | 130  |     |
|               | Chrysene                   | 0.4   | 0.34   | ug/L | 85  |     |      |      | 64     | 126  |     |
|               | bis(2-Ethylhexyl)phthalate | 0.4   | 0.37   | ug/L | 93  |     |      |      | 40     | 137  |     |
|               | Benzo(b)fluoranthene       | 0.4   | 0.27   | ug/L | 68  |     |      |      | 65     | 121  |     |
|               | Benzo(k)fluoranthene       | 0.4   | 0.33   | ug/L | 83  |     |      |      | 72     | 119  |     |
|               | Benzo(a)pyrene             | 0.4   | 0.4    | ug/L | 100 |     |      |      | 68     | 120  |     |
|               | Indeno(1,2,3-cd)pyrene     | 0.4   | 0.39   | ug/L | 98  |     |      |      | 70     | 127  |     |
|               | Dibenz(a,h)anthracene      | 0.4   | 0.39   | ug/L | 98  |     |      |      | 65     | 121  |     |
|               | Benzo(g,h,i)perylene       | 0.4   | 0.43   | ug/L | 108 |     |      |      | 76     | 117  |     |
|               | 1,4-Dioxane                | 0.4   | 0.35   | ug/L | 88  |     |      |      | 60     | 132  |     |
| PB160745BSD   | n-Nitrosodimethylamine     | 0.4   | 0.37   | ug/L | 93  | 6   |      |      | 33     | 130  | 20  |
|               | bis(2-Chloroethyl)ether    | 0.4   | 0.37   | ug/L | 93  | 3   |      |      | 55     | 118  | 20  |
|               | Naphthalene                | 0.4   | 0.37   | ug/L | 93  | 0   |      |      | 67     | 120  | 20  |
|               | Hexachlorobutadiene        | 0.4   | 0.54   | ug/L | 135 | 37  | *    | *    | 33     | 114  | 20  |
|               | 2-Methylnaphthalene        | 0.4   | 0.53   | ug/L | 133 | 6   | *    |      | 50     | 122  | 20  |
|               | Acenaphthylene             | 0.4   | 0.36   | ug/L | 90  | 13  |      |      | 60     | 119  | 20  |
|               | Acenaphthene               | 0.4   | 0.39   | ug/L | 98  | 0   |      |      | 65     | 119  | 20  |
|               | Total PAH                  | 6.4   | 6.32   | ug/L | 99  | 2   |      |      | 65     | 119  | 20  |
|               | Fluorene                   | 0.4   | 0.39   | ug/L | 98  | 12  |      |      | 58     | 122  | 20  |
|               | 4,6-Dinitro-2-methylphenol | 0.4   | 0.32   | ug/L | 80  | 0   |      |      | 20     | 150  | 20  |
|               | 4-Bromophenyl-phenylether  | 0.4   | 0.38   | ug/L | 95  | 0   |      |      | 20     | 150  | 20  |
|               | Hexachlorobenzene          | 0.4   | 0.39   | ug/L | 98  | 3   |      |      | 62     | 127  | 20  |
|               | Atrazine                   | 0.4   | 0.36   | ug/L | 90  | 0   |      |      | 20     | 150  | 20  |
|               | Pentachlorophenol          | 0.8   | 0.36   | ug/L | 45  | 3   |      |      | 10     | 137  | 20  |
|               | Phenanthrene               | 0.4   | 0.38   | ug/L | 95  | 0   |      |      | 65     | 117  | 20  |
|               | Anthracene                 | 0.4   | 0.36   | ug/L | 90  | 3   |      |      | 57     | 118  | 20  |

## Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: BN050724

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

Analytical Method: **8270-Modified**

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

| Lab Sample ID | Parameter                  | Spike | Result | Unit | Rec | RPD | RPD  |      | Low | Limits |     |
|---------------|----------------------------|-------|--------|------|-----|-----|------|------|-----|--------|-----|
|               |                            |       |        |      |     |     | Qual | Qual |     | High   | RPD |
| PB160745BSD   | Fluoranthene               | 0.4   | 0.37   | ug/L | 93  | 3   |      |      | 53  | 126    | 20  |
|               | Pyrene                     | 0.4   | 0.43   | ug/L | 108 | 24  |      | *    | 54  | 124    | 20  |
|               | Benzo(a)anthracene         | 0.4   | 0.37   | ug/L | 93  | 3   |      |      | 54  | 130    | 20  |
|               | Chrysene                   | 0.4   | 0.39   | ug/L | 98  | 14  |      |      | 64  | 126    | 20  |
|               | bis(2-Ethylhexyl)phthalate | 0.4   | 0.48   | ug/L | 120 | 26  |      | *    | 40  | 137    | 20  |
|               | Benzo(b)fluoranthene       | 0.4   | 0.3    | ug/L | 75  | 11  |      |      | 65  | 121    | 20  |
|               | Benzo(k)fluoranthene       | 0.4   | 0.31   | ug/L | 78  | 6   |      |      | 72  | 119    | 20  |
|               | Benzo(a)pyrene             | 0.4   | 0.35   | ug/L | 88  | 13  |      |      | 68  | 120    | 20  |
|               | Indeno(1,2,3-cd)pyrene     | 0.4   | 0.5    | ug/L | 125 | 25  |      | *    | 70  | 127    | 20  |
|               | Dibenz(a,h)anthracene      | 0.4   | 0.5    | ug/L | 125 | 25  | *    | *    | 65  | 121    | 20  |
|               | Benzo(g,h,i)perylene       | 0.4   | 0.55   | ug/L | 138 | 24  | *    | *    | 76  | 117    | 20  |
|               | 1,4-Dioxane                | 0.4   | 0.38   | ug/L | 95  | 8   |      |      | 60  | 132    | 20  |

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

ICVBN050724

Lab Name: CHEMTECH

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

Lab Code: CHEM Case No.: BN050724

SAS No.: BN050724 SDG NO.: BN050724

Lab File ID: BN031425.D

Lab Sample ID: SSTDICV0.4

Instrument ID: BNA\_N

Date Extracted: \_\_\_\_\_

Matrix: (soil/water) Water

Date Analyzed: 05/07/2024

Level: (low/med) LOW

Time Analyzed: 17:03

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 |
|-------------------|------------------|----------------|------------------|
| ICVBN050724       | SSTDICV0.4       | BN031425.D     | 05/07/2024       |

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

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB160745BL

Lab Name: CHEMTECH

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

Lab Code: CHEM Case No.: BN050724

SAS No.: BN050724 SDG NO.: BN050724

Lab File ID: BN031426.D

Lab Sample ID: PB160745BL

Instrument ID: BNA\_N

Date Extracted: 05/06/2024

Matrix: (soil/water) Water

Date Analyzed: 05/07/2024

Level: (low/med) LOW

Time Analyzed: 17:40

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 |
|-------------------|------------------|----------------|------------------|
| PB160745BS        | PB160745BS       | BN031427.D     | 05/07/2024       |
| PB160745BSD       | PB160745BSD      | BN031428.D     | 05/07/2024       |
| EB-01-050324      | P2394-01         | BN031429.D     | 05/07/2024       |
| MW-17B-72-050324  | P2394-03         | BN031430.D     | 05/07/2024       |

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



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

## Surrogate Summary

SW-846

SDG No.: BN050724

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

Analytical Method: **8270-Modified**

| Lab Sample ID | Client ID   | Datafile   | Parameter               | Spike<br>(PPM) | Result<br>(PPM) | Recovery (%) | Qual | Limits (%) |      |
|---------------|-------------|------------|-------------------------|----------------|-----------------|--------------|------|------------|------|
|               |             |            |                         |                |                 |              |      | Low        | High |
| SSTDICV0.4    | ICVBN050724 | BN031425.D | 2-Methylnaphthalene-d10 | 0.4            | 555.00          | 138750       | *    | 30         | 150  |
|               |             |            | Fluoranthene-d10        | 0.4            | 504.00          | 126000       | *    | 30         | 150  |
|               |             |            | 2-Fluorophenol          | 0.4            | 380.00          | 95000        | *    | 10         | 92   |
|               |             |            | Phenol-d6               | 0.4            | 367.00          | 91750        | *    | 10         | 100  |
|               |             |            | Nitrobenzene-d5         | 0.4            | 370.00          | 92500        | *    | 11         | 175  |
|               |             |            | 2-Fluorobiphenyl        | 0.4            | 364.00          | 91000        | *    | 10         | 175  |
|               |             |            | 2,4,6-Tribromophenol    | 0.4            | 293.00          | 73250        | *    | 24         | 148  |
|               |             |            | Terphenyl-d14           | 0.4            | 385.00          | 96250        | *    | 54         | 171  |

## Surrogate Summary

SW-846

SDG No.: **BN050724**

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

Analytical Method: **8270-Modified**

| Lab Sample ID | Client ID       | Datafile   | Parameter               | Spike<br>(PPM) | Result<br>(PPM) | Recovery (%) | Qual | Limits (%) |      |
|---------------|-----------------|------------|-------------------------|----------------|-----------------|--------------|------|------------|------|
|               |                 |            |                         |                |                 |              |      | Low        | High |
| P2394-01      | EB-01-050324    | BN031429.D | 2-Methylnaphthalene-d10 | 0.4            | 0.34            | 86           |      | 30         | 150  |
|               |                 |            | Fluoranthene-d10        | 0.4            | 0.30            | 74           |      | 30         | 150  |
|               |                 |            | 2-Fluorophenol          | 0.4            | 0.01            | 2            | *    | 10         | 92   |
|               |                 |            | Phenol-d6               | 0.4            | 0.00            | 1            | *    | 10         | 100  |
|               |                 |            | Nitrobenzene-d5         | 0.4            | 0.16            | 39           |      | 11         | 175  |
|               |                 |            | 2-Fluorobiphenyl        | 0.4            | 0.41            | 103          |      | 10         | 175  |
|               |                 |            | 2,4,6-Tribromophenol    | 0.4            | 0.07            | 18           | *    | 24         | 148  |
|               |                 |            | Terphenyl-d14           | 0.4            | 0.29            | 72           |      | 54         | 171  |
| P2394-03      | MW-17B-72-05032 | BN031430.D | 2-Methylnaphthalene-d10 | 0.4            | 0.39            | 98           |      | 30         | 150  |
|               |                 |            | Fluoranthene-d10        | 0.4            | 0.31            | 78           |      | 30         | 150  |
|               |                 |            | 2-Fluorophenol          | 0.4            | 0.09            | 23           |      | 10         | 92   |
|               |                 |            | Phenol-d6               | 0.4            | 0.05            | 13           |      | 10         | 100  |
|               |                 |            | Nitrobenzene-d5         | 0.4            | 0.17            | 43           |      | 11         | 175  |
|               |                 |            | 2-Fluorobiphenyl        | 0.4            | 0.29            | 71           |      | 10         | 175  |
|               |                 |            | 2,4,6-Tribromophenol    | 0.4            | 0.16            | 39           |      | 24         | 148  |
|               |                 |            | Terphenyl-d14           | 0.4            | 0.33            | 82           |      | 54         | 171  |
| PB160745BL    | PB160745BL      | BN031426.D | 2-Methylnaphthalene-d10 | 0.4            | 0.43            | 108          |      | 30         | 150  |
|               |                 |            | Fluoranthene-d10        | 0.4            | 0.32            | 79           |      | 30         | 150  |
|               |                 |            | 2-Fluorophenol          | 0.4            | 0.35            | 88           |      | 10         | 92   |
|               |                 |            | Phenol-d6               | 0.4            | 0.29            | 72           |      | 10         | 100  |
|               |                 |            | Nitrobenzene-d5         | 0.4            | 0.23            | 57           |      | 11         | 175  |
|               |                 |            | 2-Fluorobiphenyl        | 0.4            | 0.38            | 94           |      | 10         | 175  |
|               |                 |            | 2,4,6-Tribromophenol    | 0.4            | 0.29            | 72           |      | 24         | 148  |
|               |                 |            | Terphenyl-d14           | 0.4            | 0.53            | 132          |      | 54         | 171  |
| PB160745BS    | PB160745BS      | BN031427.D | 2-Methylnaphthalene-d10 | 0.4            | 0.49            | 123          |      | 30         | 150  |
|               |                 |            | Fluoranthene-d10        | 0.4            | 0.37            | 93           |      | 30         | 150  |
|               |                 |            | 2-Fluorophenol          | 0.4            | 0.37            | 91           |      | 10         | 92   |
|               |                 |            | Phenol-d6               | 0.4            | 0.36            | 90           |      | 10         | 100  |
|               |                 |            | Nitrobenzene-d5         | 0.4            | 0.30            | 74           |      | 11         | 175  |
|               |                 |            | 2-Fluorobiphenyl        | 0.4            | 0.48            | 120          |      | 10         | 175  |
|               |                 |            | 2,4,6-Tribromophenol    | 0.4            | 0.33            | 82           |      | 24         | 148  |
|               |                 |            | Terphenyl-d14           | 0.4            | 0.45            | 113          |      | 54         | 171  |
| PB160745BSD   | PB160745BSD     | BN031428.D | 2-Methylnaphthalene-d10 | 0.4            | 0.53            | 132          |      | 30         | 150  |
|               |                 |            | Fluoranthene-d10        | 0.4            | 0.37            | 92           |      | 30         | 150  |
|               |                 |            | 2-Fluorophenol          | 0.4            | 0.37            | 92           |      | 10         | 92   |
|               |                 |            | Phenol-d6               | 0.4            | 0.35            | 88           |      | 10         | 100  |
|               |                 |            | Nitrobenzene-d5         | 0.4            | 0.52            | 129          |      | 11         | 175  |
|               |                 |            | 2-Fluorobiphenyl        | 0.4            | 0.43            | 106          |      | 10         | 175  |
|               |                 |            | 2,4,6-Tribromophenol    | 0.4            | 0.29            | 73           |      | 24         | 148  |
|               |                 |            | Terphenyl-d14           | 0.4            | 0.36            | 89           |      | 54         | 171  |

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK  
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: BN050724

Lab Code: CHEM

SAS No.: BN050724

SDG NO.: BN050724

Lab File ID: BN031417.D

DFTPP Injection Date: 05/07/2024

Instrument ID: BNA\_N

DFTPP Injection Time: 11:26

| m/e | ION ABUNDANCE CRITERIA             | % RELATIVE ABUNDANCE |
|-----|------------------------------------|----------------------|
| 51  | 10.0 - 80.0% of mass 198           | 36.2                 |
| 68  | Less than 2.0% of mass 69          | 0.7 ( 1.9 ) 1        |
| 69  | Mass 69 relative abundance         | 38.4                 |
| 70  | Less than 2.0% of mass 69          | 0.2 ( 0.5 ) 1        |
| 127 | 10.0 - 80.0% of mass 198           | 49.2                 |
| 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           | 26.7                 |
| 365 | Greater than 1% of mass 198        | 4.6                  |
| 441 | Present, but less than mass 443    | 12.5                 |
| 442 | Greater than 50% of mass 198       | 78.2                 |
| 443 | 15.0 - 24.0% of mass 442           | 14.2 ( 18.2 ) 2      |

1-Value is % mass 69

2-Value is % mass 442

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

| EPA<br>SAMPLE NO. | LAB<br>SAMPLE ID | LAB<br>FILE ID | DATE<br>ANALYZED | TIME<br>ANALYZED |
|-------------------|------------------|----------------|------------------|------------------|
| SSTDICC0.1        | SSTDICC0.1       | BN031418.D     | 05/07/2024       | 12:44            |
| SSTDICC0.2        | SSTDICC0.2       | BN031419.D     | 05/07/2024       | 13:21            |
| SSTDICCC0.4       | SSTDICCC0.4      | BN031420.D     | 05/07/2024       | 13:57            |
| SSTDICC0.8        | SSTDICC0.8       | BN031421.D     | 05/07/2024       | 14:38            |
| SSTDICC1.6        | SSTDICC1.6       | BN031422.D     | 05/07/2024       | 15:14            |
| SSTDICC3.2        | SSTDICC3.2       | BN031423.D     | 05/07/2024       | 15:51            |
| SSTDICC5.0        | SSTDICC5.0       | BN031424.D     | 05/07/2024       | 16:27            |
| ICVBN050724       | SSTDICV0.4       | BN031425.D     | 05/07/2024       | 17:03            |
| PB160745BL        | PB160745BL       | BN031426.D     | 05/07/2024       | 17:40            |
| PB160745BS        | PB160745BS       | BN031427.D     | 05/07/2024       | 18:17            |
| PB160745BSD       | PB160745BSD      | BN031428.D     | 05/07/2024       | 18:53            |
| EB-01-050324      | P2394-01         | BN031429.D     | 05/07/2024       | 19:30            |
| MW-17B-72-050324  | P2394-03         | BN031430.D     | 05/07/2024       | 20:06            |