

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

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

Lab Code: CHEM Case No.: BF101824 SAS No.: BF101824 SDG No.: BF101824

Instrument ID: BNA\_F Calibration Date/Time: 10/18/2024 : 12:20

Lab File ID: BF139848.D Init. Calib. Date(s): \_\_\_\_\_

EPA Sample No.: SSTDICCC040 Init. Calib. Time(s): \_\_\_\_\_

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

| COMPOUND                    | RRF   | RRF040 | MIN<br>RRF | %D     | MAX%D |
|-----------------------------|-------|--------|------------|--------|-------|
| n-Nitrosodimethylamine      | 0.793 | 0.806  |            | 1.639  |       |
| Pyridine                    | 1.476 | 1.504  |            | 1.897  |       |
| 2-Fluorophenol              | 1.278 | 1.278  |            | 0.0    |       |
| Benzaldehyde                | 0.931 | 0.940  |            | 0.967  |       |
| Aniline                     | 1.542 | 1.582  |            | 2.594  |       |
| Phenol-d6                   | 1.655 | 1.647  |            | -0.483 |       |
| Phenol                      | 1.706 | 1.712  |            | 0.352  | 20.0  |
| bis(2-Chloroethyl) ether    | 1.319 | 1.294  |            | -1.895 |       |
| 2-Chlorophenol              | 1.306 | 1.310  |            | 0.306  |       |
| 1,2-Dichlorobenzene         | 1.398 | 1.379  |            | -1.359 |       |
| 1,3-Dichlorobenzene         | 1.499 | 1.499  |            | 0.0    |       |
| 1,4-Dichlorobenzene         | 1.498 | 1.487  |            | -0.734 | 20.0  |
| Benzyl Alcohol              | 1.214 | 1.213  |            | -0.082 |       |
| 2-Methylphenol              | 1.114 | 1.114  |            | 0.0    |       |
| 2,2-oxybis(1-Chloropropane) | 2.248 | 2.255  |            | 0.311  |       |
| Acetophenone                | 0.490 | 0.481  |            | -1.837 |       |
| 3+4-Methylphenols           | 1.424 | 1.418  |            | -0.421 |       |
| n-Nitroso-di-n-propylamine  | 1.004 | 0.974  | 0.050      | -2.988 |       |
| Nitrobenzene-d5             | 0.361 | 0.371  |            | 2.77   |       |
| Hexachloroethane            | 0.534 | 0.541  |            | 1.311  |       |
| Nitrobenzene                | 0.396 | 0.403  |            | 1.768  |       |
| Isophorone                  | 0.685 | 0.679  |            | -0.876 |       |
| 2-Nitrophenol               | 0.149 | 0.157  |            | 5.369  | 20.0  |
| 2,4-Dimethylphenol          | 0.249 | 0.248  |            | -0.402 |       |
| bis(2-Chloroethoxy) methane | 0.415 | 0.412  |            | -0.723 |       |
| 2,4-Dichlorophenol          | 0.283 | 0.283  |            | 0.0    | 20.0  |
| 1,2,4-Trichlorobenzene      | 0.314 | 0.315  |            | 0.318  |       |
| Benzoic acid                | 0.217 | 0.220  |            | 1.382  |       |
| Naphthalene                 | 1.031 | 1.023  |            | -0.776 |       |
| 4-Chloroaniline             | 0.352 | 0.351  |            | -0.284 |       |
| Hexachlorobutadiene         | 0.197 | 0.197  |            | 0.0    | 20.0  |
| Caprolactam                 | 0.090 | 0.092  |            | 2.222  |       |
| 4-Chloro-3-methylphenol     | 0.314 | 0.315  |            | 0.318  | 20.0  |
| 2-Methylnaphthalene         | 0.632 | 0.621  |            | -1.741 |       |
| Hexachlorocyclopentadiene   | 0.188 | 0.198  | 0.050      | 5.319  |       |
| 2,4,6-Trichlorophenol       | 0.382 | 0.387  |            | 1.309  | 20.0  |
| 2-Fluorobiphenyl            | 1.210 | 1.162  |            | -3.967 |       |
| 2,4,5-Trichlorophenol       | 0.394 | 0.401  |            | 1.777  |       |
| 1,1-Biphenyl                | 1.392 | 1.379  |            | -0.934 |       |

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Lab Code: CHEM Case No.: BF101824 SAS No.: BF101824 SDG No.: BF101824

Instrument ID: BNA\_F Calibration Date/Time: 10/18/2024 : 12:20

Lab File ID: BF139848.D Init. Calib. Date(s): \_\_\_\_\_

EPA Sample No.: SSTDICCC040 Init. Calib. Time(s): \_\_\_\_\_

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

| COMPOUND                   | RRF   | RRF040 | MIN<br>RRF | %D     | MAX%D |
|----------------------------|-------|--------|------------|--------|-------|
| 2-Chloronaphthalene        | 1.121 | 1.111  |            | -0.892 |       |
| 2-Nitroaniline             | 0.343 | 0.365  |            | 6.414  |       |
| Dimethylphthalate          | 1.246 | 1.237  |            | -0.722 |       |
| Acenaphthylene             | 1.621 | 1.615  |            | -0.37  |       |
| 2,6-Dinitrotoluene         | 0.270 | 0.280  |            | 3.704  |       |
| 3-Nitroaniline             | 0.278 | 0.292  |            | 5.036  |       |
| Acenaphthene               | 1.049 | 1.044  |            | -0.477 | 20.0  |
| 2,4-Dinitrophenol          | 0.093 | 0.101  | 0.050      | 8.602  |       |
| 4-Nitrophenol              | 0.214 | 0.232  | 0.050      | 8.411  |       |
| Dibenzofuran               | 1.505 | 1.486  |            | -1.262 |       |
| 2,4-Dinitrotoluene         | 0.332 | 0.356  |            | 7.229  |       |
| Diethylphthalate           | 1.223 | 1.214  |            | -0.736 |       |
| 4-Chlorophenyl-phenylether | 0.579 | 0.569  |            | -1.727 |       |
| Fluorene                   | 1.146 | 1.110  |            | -3.141 |       |
| 4-Nitroaniline             | 0.263 | 0.275  |            | 4.563  |       |
| 4,6-Dinitro-2-methylphenol | 0.082 | 0.087  |            | 6.098  |       |
| n-Nitrosodiphenylamine     | 0.599 | 0.595  |            | -0.668 | 20.0  |
| Azobenzene                 | 1.297 | 1.306  |            | 0.694  |       |
| 2,4,6-Tribromophenol       | 0.187 | 0.188  |            | 0.535  |       |
| 4-Bromophenyl-phenylether  | 0.206 | 0.202  |            | -1.942 |       |
| Hexachlorobenzene          | 0.232 | 0.231  |            | -0.431 |       |
| Atrazine                   | 0.162 | 0.175  |            | 8.025  |       |
| Pentachlorophenol          | 0.141 | 0.152  |            | 7.801  | 20.0  |
| Phenanthrene               | 0.945 | 0.933  |            | -1.27  |       |
| Anthracene                 | 0.922 | 0.913  |            | -0.976 |       |
| Carbazole                  | 0.857 | 0.846  |            | -1.284 |       |
| Di-n-butylphthalate        | 0.990 | 1.014  |            | 2.424  |       |
| Fluoranthene               | 0.955 | 0.943  |            | -1.257 | 20.0  |
| Benzidine                  | 0.329 | 0.366  |            | 11.246 |       |
| Pyrene                     | 1.751 | 1.805  |            | 3.084  |       |
| Terphenyl-d14              | 1.227 | 1.244  |            | 1.385  |       |
| Butylbenzylphthalate       | 0.525 | 0.555  |            | 5.714  |       |
| 3,3-Dichlorobenzidine      | 0.380 | 0.387  |            | 1.842  |       |
| Benzo(a)anthracene         | 1.302 | 1.331  |            | 2.227  |       |
| Chrysene                   | 1.194 | 1.167  |            | -2.261 |       |
| Bis(2-ethylhexyl)phthalate | 0.589 | 0.626  |            | 6.282  |       |
| Di-n-octyl phthalate       | 1.071 | 1.135  |            | 5.976  | 20.0  |
| Benzo(b)fluoranthene       | 1.218 | 1.196  |            | -1.806 |       |
| Benzo(k)fluoranthene       | 1.051 | 1.066  |            | 1.427  |       |

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

Lab Code: CHEM Case No.: BF101824 SAS No.: BF101824 SDG No.: BF101824

Instrument ID: BNA\_F Calibration Date/Time: 10/18/2024 : 12:20

Lab File ID: BF139848.D Init. Calib. Date(s): \_\_\_\_\_

EPA Sample No.: SSTDICCC040 Init. Calib. Time(s): \_\_\_\_\_

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

| COMPOUND                   | RRF   | RRF040 | MIN<br>RRF | %D     | MAX%D |
|----------------------------|-------|--------|------------|--------|-------|
| Benzo(a)pyrene             | 1.002 | 1.025  |            | 2.295  | 20.0  |
| Indeno(1,2,3-cd)pyrene     | 1.287 | 1.352  |            | 5.051  |       |
| Dibenzo(a,h)anthracene     | 1.073 | 1.120  |            | 4.38   |       |
| Benzo(g,h,i)perylene       | 1.072 | 1.128  |            | 5.224  |       |
| 1,2,4,5-Tetrachlorobenzene | 0.540 | 0.537  |            | -0.556 |       |
| 1,4-Dioxane                | 0.596 | 0.591  |            | -0.839 | 20.0  |
| 2,3,4,6-Tetrachlorophenol  | 0.309 | 0.310  |            | 0.324  |       |
| 1-Methylnaphthalene        | 0.620 | 0.612  |            | -1.29  |       |

All other compounds must meet a minimum RRF of 0.010.

## Report of Analysis

|                    |            |                 |                        |
|--------------------|------------|-----------------|------------------------|
| Client:            |            | Date Collected: | 10/17/2024 12:00:00 AM |
| Project:           |            | Date Received:  | 10/17/2024 12:00:00 AM |
| Client Sample ID:  | PB164211BL | SDG No.:        | BF101824               |
| Lab Sample ID:     | PB164211BL | Matrix:         | Water                  |
| Analytical Method: | 8270E      | % Moisture:     | 100                    |
| Sample Wt/Vol:     | 1000       | Units:          | mL                     |
| Soil Aliquot Vol:  |            | Final Vol:      | 1000 uL                |
| Extraction Type :  |            | Test:           |                        |
|                    | Decanted : | Level :         | LOW                    |
| Injection Volume : |            | GPC Factor :    |                        |
|                    |            | GPC Cleanup :   | PH :                   |

|                   |           |                        |                        |               |
|-------------------|-----------|------------------------|------------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date              | Date Analyzed          | Prep Batch ID |
| BF139853.D        | 1         | 10/17/2024 12:00:00 AM | 10/18/2024 12:00:00 AM | PB164211      |

| CAS Number     | Parameter                   | Conc. | Qualifier | MDL  | LOD | LOQ / CRQL | Units |
|----------------|-----------------------------|-------|-----------|------|-----|------------|-------|
| <b>TARGETS</b> |                             |       |           |      |     |            |       |
| 62-75-9        | n-Nitrosodimethylamine      | 1     | U         | 1    | 8   | 10         | ug/L  |
| 110-86-1       | Pyridine                    | 1.6   | U         | 1.6  | 4   | 5          | ug/L  |
| 100-52-7       | Benzaldehyde                | 4     | U         | 4    | 8   | 10         | ug/L  |
| 62-53-3        | Aniline                     | 1.6   | U         | 1.6  | 4   | 5          | ug/L  |
| 108-95-2       | Phenol                      | 0.93  | U         | 0.93 | 4   | 5          | ug/L  |
| 111-44-4       | bis(2-Chloroethyl)ether     | 1.2   | U         | 1.2  | 4   | 5          | ug/L  |
| 95-57-8        | 2-Chlorophenol              | 0.71  | U         | 0.71 | 4   | 5          | ug/L  |
| 95-50-1        | 1,2-Dichlorobenzene         | 0.88  | U         | 0.88 | 4   | 5          | ug/L  |
| 541-73-1       | 1,3-Dichlorobenzene         | 0.8   | U         | 0.8  | 4   | 5          | ug/L  |
| 106-46-7       | 1,4-Dichlorobenzene         | 0.84  | U         | 0.84 | 4   | 5          | ug/L  |
| 100-51-6       | Benzyl Alcohol              | 1.6   | U         | 1.6  | 8   | 10         | ug/L  |
| 95-48-7        | 2-Methylphenol              | 1.1   | U         | 1.1  | 4   | 5          | ug/L  |
| 108-60-1       | 2,2-oxybis(1-Chloropropane) | 1.4   | U         | 1.4  | 4   | 5          | ug/L  |
| 98-86-2        | Acetophenone                | 1.1   | U         | 1.1  | 4   | 5          | ug/L  |
| 65794-96-9     | 3+4-Methylphenols           | 1.2   | U         | 1.2  | 8   | 10         | ug/L  |
| 621-64-7       | n-Nitroso-di-n-propylamine  | 1.5   | U         | 1.5  | 2.5 | 2.5        | ug/L  |
| 67-72-1        | Hexachloroethane            | 1     | U         | 1    | 4   | 5          | ug/L  |
| 98-95-3        | Nitrobenzene                | 1.3   | U         | 1.3  | 4   | 5          | ug/L  |
| 78-59-1        | Isophorone                  | 1.1   | U         | 1.1  | 4   | 5          | ug/L  |
| 88-75-5        | 2-Nitrophenol               | 2     | U         | 2    | 4   | 5          | ug/L  |
| 105-67-9       | 2,4-Dimethylphenol          | 1.5   | U         | 1.5  | 4   | 5          | ug/L  |
| 111-91-1       | bis(2-Chloroethoxy)methane  | 1     | U         | 1    | 4   | 5          | ug/L  |
| 120-83-2       | 2,4-Dichlorophenol          | 0.88  | U         | 0.88 | 4   | 5          | ug/L  |
| 120-82-1       | 1,2,4-Trichlorobenzene      | 1.1   | U         | 1.1  | 4   | 5          | ug/L  |
| 65-85-0        | Benzoic acid                | 5.5   | U         | 5.5  | 8   | 10         | ug/L  |
| 91-20-3        | Naphthalene                 | 1     | U         | 1    | 4   | 5          | ug/L  |
| 106-47-8       | 4-Chloroaniline             | 1.3   | U         | 1.3  | 4   | 5          | ug/L  |
| 87-68-3        | Hexachlorobutadiene         | 1.3   | U         | 1.3  | 4   | 5          | ug/L  |

## Report of Analysis

|                    |            |                 |                        |
|--------------------|------------|-----------------|------------------------|
| Client:            |            | Date Collected: | 10/17/2024 12:00:00 AM |
| Project:           |            | Date Received:  | 10/17/2024 12:00:00 AM |
| Client Sample ID:  | PB164211BL | SDG No.:        | BF101824               |
| Lab Sample ID:     | PB164211BL | Matrix:         | Water                  |
| Analytical Method: | 8270E      | % Moisture:     | 100                    |
| Sample Wt/Vol:     | 1000       | Units:          | mL                     |
| Soil Aliquot Vol:  |            | Final Vol:      | 1000 uL                |
| Extraction Type :  |            | Test:           |                        |
|                    | Decanted : | Level :         | LOW                    |
| Injection Volume : |            | GPC Factor :    |                        |
|                    |            | GPC Cleanup :   | PH :                   |

|                   |           |                        |                        |               |
|-------------------|-----------|------------------------|------------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date              | Date Analyzed          | Prep Batch ID |
| BF139853.D        | 1         | 10/17/2024 12:00:00 AM | 10/18/2024 12:00:00 AM | PB164211      |

| CAS Number | Parameter                                       | Conc. | Qualifier | MDL   | LOD | LOQ / CRQL | Units |
|------------|-------------------------------------------------|-------|-----------|-------|-----|------------|-------|
| 105-60-2   | Caprolactam                                     | 1.7   | U         | 1.7   | 8   | 10         | ug/L  |
| 59-50-7    | 4-Chloro-3-methylphenol                         | 0.84  | U         | 0.84  | 4   | 5          | ug/L  |
| 91-57-6    | 2-Methylnaphthalene                             | 1.1   | U         | 1.1   | 4   | 5          | ug/L  |
| 77-47-4    | Hexachlorocyclopentadiene                       | 5     | U         | 5     | 8   | 10         | ug/L  |
| 88-06-2    | 2,4,6-Trichlorophenol                           | 0.89  | U         | 0.89  | 4   | 5          | ug/L  |
| 95-95-4    | 2,4,5-Trichlorophenol                           | 1     | U         | 1     | 4   | 5          | ug/L  |
| 92-52-4    | 1,1-Biphenyl                                    | 0.91  | U         | 0.91  | 4   | 5          | ug/L  |
| 91-58-7    | 2-Chloronaphthalene                             | 0.97  | U         | 0.97  | 4   | 5          | ug/L  |
| 88-74-4    | 2-Nitroaniline                                  | 1.4   | U         | 1.4   | 4   | 5          | ug/L  |
| 131-11-3   | Dimethylphthalate                               | 0.93  | U         | 0.93  | 4   | 5          | ug/L  |
| 208-96-8   | Acenaphthylene                                  | 1     | U         | 1     | 4   | 5          | ug/L  |
| 606-20-2   | 2,6-Dinitrotoluene                              | 1.2   | U         | 1.2   | 4   | 5          | ug/L  |
| 99-09-2    | 3-Nitroaniline                                  | 1.4   | U         | 1.4   | 4   | 5          | ug/L  |
| 83-32-9    | Acenaphthene                                    | 0.81  | U         | 0.81  | 4   | 5          | ug/L  |
| Total PAH  | Total PAH                                       | 17.36 | U         | 17.36 | 4   | 80         | ug/L  |
| 51-28-5    | 2,4-Dinitrophenol                               | 6.4   | U         | 6.4   | 8   | 10         | ug/L  |
| 100-02-7   | 4-Nitrophenol                                   | 2     | U         | 2     | 8   | 10         | ug/L  |
| 132-64-9   | Dibenzofuran                                    | 0.93  | U         | 0.93  | 4   | 5          | ug/L  |
| 121-14-2   | 2,4-Dinitrotoluene                              | 1.5   | U         | 1.5   | 4   | 5          | ug/L  |
| 25321-14-6 | 2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture) | 2.7   | U         | 2.7   | 4   | 10         | ug/L  |
| 84-66-2    | Diethylphthalate                                | 1     | U         | 1     | 4   | 5          | ug/L  |
| 7005-72-3  | 4-Chlorophenyl-phenylether                      | 0.98  | U         | 0.98  | 4   | 5          | ug/L  |
| 86-73-7    | Fluorene                                        | 0.96  | U         | 0.96  | 4   | 5          | ug/L  |
| 100-01-6   | 4-Nitroaniline                                  | 2     | U         | 2     | 4   | 5          | ug/L  |
| 534-52-1   | 4,6-Dinitro-2-methylphenol                      | 3.1   | U         | 3.1   | 8   | 10         | ug/L  |
| 86-30-6    | n-Nitrosodiphenylamine                          | 0.89  | U         | 0.89  | 4   | 5          | ug/L  |
| 103-33-3   | Azobenzene                                      | 1.2   | U         | 1.2   | 4   | 5          | ug/L  |
| 101-55-3   | 4-Bromophenyl-phenylether                       | 0.95  | U         | 0.95  | 4   | 5          | ug/L  |
| 118-74-1   | Hexachlorobenzene                               | 1.1   | U         | 1.1   | 4   | 5          | ug/L  |
| 1912-24-9  | Atrazine                                        | 1.3   | U         | 1.3   | 4   | 5          | ug/L  |

## Report of Analysis

|                    |                        |                 |                        |
|--------------------|------------------------|-----------------|------------------------|
| Client:            |                        | Date Collected: | 10/17/2024 12:00:00 AM |
| Project:           |                        | Date Received:  | 10/17/2024 12:00:00 AM |
| Client Sample ID:  | PB164211BL             | SDG No.:        | BF101824               |
| Lab Sample ID:     | PB164211BL             | Matrix:         | Water                  |
| Analytical Method: | 8270E                  | % 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 |
| BF139853.D        | 1         | 10/17/2024 12:00:00 AM | 10/18/2024 12:00:00 AM | PB164211      |

| CAS Number        | Parameter                  | Conc.   | Qualifier | MDL    | LOD | LOQ / CRQL | Units     |
|-------------------|----------------------------|---------|-----------|--------|-----|------------|-----------|
| 87-86-5           | Pentachlorophenol          | 1.9     | U         | 1.9    | 8   | 10         | ug/L      |
| 85-01-8           | Phenanthrene               | 0.89    | U         | 0.89   | 4   | 5          | ug/L      |
| 120-12-7          | Anthracene                 | 1.1     | U         | 1.1    | 4   | 5          | ug/L      |
| 86-74-8           | Carbazole                  | 1.2     | U         | 1.2    | 4   | 5          | ug/L      |
| 84-74-2           | Di-n-butylphthalate        | 1.5     | U         | 1.5    | 4   | 5          | ug/L      |
| 206-44-0          | Fluoranthene               | 1.3     | U         | 1.3    | 4   | 5          | ug/L      |
| 92-87-5           | Benzidine                  | 4.1     | U         | 4.1    | 8   | 10         | ug/L      |
| 129-00-0          | Pyrene                     | 1.1     | U         | 1.1    | 4   | 5          | ug/L      |
| 85-68-7           | Butylbenzylphthalate       | 2.1     | U         | 2.1    | 4   | 5          | ug/L      |
| 91-94-1           | 3,3-Dichlorobenzidine      | 1.3     | U         | 1.3    | 8   | 10         | ug/L      |
| 56-55-3           | Benzo(a)anthracene         | 0.94    | U         | 0.94   | 4   | 5          | ug/L      |
| 218-01-9          | Chrysene                   | 0.86    | U         | 0.86   | 4   | 5          | ug/L      |
| 117-81-7          | Bis(2-ethylhexyl)phthalate | 1.9     | U         | 1.9    | 4   | 5          | ug/L      |
| 117-84-0          | Di-n-octyl phthalate       | 2.5     | U         | 2.5    | 8   | 10         | ug/L      |
| 205-99-2          | Benzo(b)fluoranthene       | 1.1     | U         | 1.1    | 4   | 5          | ug/L      |
| 207-08-9          | Benzo(k)fluoranthene       | 1.2     | U         | 1.2    | 4   | 5          | ug/L      |
| 50-32-8           | Benzo(a)pyrene             | 1.7     | U         | 1.7    | 4   | 5          | ug/L      |
| 193-39-5          | Indeno(1,2,3-cd)pyrene     | 1       | U         | 1      | 4   | 5          | ug/L      |
| 53-70-3           | Dibenzo(a,h)anthracene     | 1.2     | U         | 1.2    | 4   | 5          | ug/L      |
| 191-24-2          | Benzo(g,h,i)perylene       | 1.2     | U         | 1.2    | 4   | 5          | ug/L      |
| 95-94-3           | 1,2,4,5-Tetrachlorobenzene | 1.1     | U         | 1.1    | 4   | 5          | ug/L      |
| 123-91-1          | 1,4-Dioxane                | 1.3     | U         | 1.3    | 4   | 5          | ug/L      |
| 58-90-2           | 2,3,4,6-Tetrachlorophenol  | 0.79    | U         | 0.79   | 4   | 5          | ug/L      |
| 90-12-0           | 1-Methylnaphthalene        | 0.86    | U         | 0.86   | 4   | 5          | ug/L      |
| <b>SURROGATES</b> |                            |         |           |        |     |            |           |
| 367-12-4          | 2-Fluorophenol             | 126.896 |           | 10-139 |     | 85         | SPK: -150 |
| 13127-88-3        | Phenol-d6                  | 122.242 |           | 10-134 |     | 81         | SPK: -150 |
| 4165-60-0         | Nitrobenzene-d5            | 92.567  |           | 49-133 |     | 93         | SPK: -100 |
| 321-60-8          | 2-Fluorobiphenyl           | 85.775  |           | 52-132 |     | 86         | SPK: -100 |

## Report of Analysis

|                    |                        |                 |                        |
|--------------------|------------------------|-----------------|------------------------|
| Client:            |                        | Date Collected: | 10/17/2024 12:00:00 AM |
| Project:           |                        | Date Received:  | 10/17/2024 12:00:00 AM |
| Client Sample ID:  | PB164211BL             | SDG No.:        | BF101824               |
| Lab Sample ID:     | PB164211BL             | Matrix:         | Water                  |
| Analytical Method: | 8270E                  | % 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 |
| BF139853.D        | 1         | 10/17/2024 12:00:00 AM | 10/18/2024 12:00:00 AM | PB164211      |

| CAS Number                            | Parameter                        | Conc.  | Qualifier | MDL    | LOD | LOQ / CRQL | Units     |
|---------------------------------------|----------------------------------|--------|-----------|--------|-----|------------|-----------|
| 118-79-6                              | 2,4,6-Tribromophenol             | 130.39 |           | 44-137 |     | 87         | SPK: -150 |
| 1718-51-0                             | Terphenyl-d14                    | 88.489 |           | 48-125 |     | 88         | SPK: -100 |
| <b>INTERNAL STANDARDS</b>             |                                  |        |           |        |     |            |           |
| 3855-82-1                             | 1,4-Dichlorobenzene-d4           | 190111 | 6.887     |        |     |            |           |
| 1146-65-2                             | Naphthalene-d8                   | 746444 | 8.169     |        |     |            |           |
| 15067-26-2                            | Acenaphthene-d10                 | 423351 | 9.922     |        |     |            |           |
| 1517-22-2                             | Phenanthrene-d10                 | 773013 | 11.41     |        |     |            |           |
| 1719-03-5                             | Chrysene-d12                     | 464788 | 14.045    |        |     |            |           |
| 1520-96-3                             | Perylene-d12                     | 394361 | 15.527    |        |     |            |           |
| <b>TENTATIVE IDENTIFIED COMPOUNDS</b> |                                  |        |           |        |     |            |           |
| 000994-05-8                           | Butane, 2-methoxy-2-methyl-      | 5.1    | J         |        |     | 2.269      |           |
| 000123-42-2                           | 2-Pentanone, 4-hydroxy-4-methyl- | 7.2    | A         |        |     | 5.14       |           |

## Report of Analysis

|                    |          |        |    |                 |                        |    |  |
|--------------------|----------|--------|----|-----------------|------------------------|----|--|
| Client:            |          |        |    | Date Collected: | 10/15/2024 12:00:00 AM |    |  |
| Project:           |          |        |    | Date Received:  | 10/15/2024 12:00:00 AM |    |  |
| Client Sample ID:  | MH-121   |        |    | SDG No.:        | BF101824               |    |  |
| Lab Sample ID:     | P4405-01 |        |    | Matrix:         | Water                  |    |  |
| Analytical Method: | 8270E    |        |    | % Moisture:     | 100                    |    |  |
| Sample Wt/Vol:     | 1000     | Units: | mL | Final Vol:      | 1000                   | uL |  |
| Soil Aliquot Vol:  |          |        | uL | Test:           |                        |    |  |
| Extraction Type :  |          |        |    | Decanted :      |                        |    |  |
| Injection Volume : |          |        |    | Level :         | LOW                    |    |  |
|                    |          |        |    | GPC Factor :    |                        |    |  |
|                    |          |        |    | GPC Cleanup :   | PH :                   |    |  |

|                   |           |                        |                        |               |
|-------------------|-----------|------------------------|------------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date              | Date Analyzed          | Prep Batch ID |
| BF139854.D        | 1         | 10/17/2024 12:00:00 AM | 10/18/2024 12:00:00 AM | PB164211      |

| CAS Number     | Parameter                   | Conc. | Qualifier | MDL  | LOD | LOQ / CRQL | Units |
|----------------|-----------------------------|-------|-----------|------|-----|------------|-------|
| <b>TARGETS</b> |                             |       |           |      |     |            |       |
| 62-75-9        | n-Nitrosodimethylamine      | 1     | U         | 1    | 8   | 10         | ug/L  |
| 110-86-1       | Pyridine                    | 1.6   | U         | 1.6  | 4   | 5          | ug/L  |
| 100-52-7       | Benzaldehyde                | 4     | U         | 4    | 8   | 10         | ug/L  |
| 62-53-3        | Aniline                     | 1.6   | U         | 1.6  | 4   | 5          | ug/L  |
| 108-95-2       | Phenol                      | 0.93  | U         | 0.93 | 4   | 5          | ug/L  |
| 111-44-4       | bis(2-Chloroethyl)ether     | 1.2   | U         | 1.2  | 4   | 5          | ug/L  |
| 95-57-8        | 2-Chlorophenol              | 0.71  | U         | 0.71 | 4   | 5          | ug/L  |
| 95-50-1        | 1,2-Dichlorobenzene         | 0.88  | U         | 0.88 | 4   | 5          | ug/L  |
| 541-73-1       | 1,3-Dichlorobenzene         | 0.8   | U         | 0.8  | 4   | 5          | ug/L  |
| 106-46-7       | 1,4-Dichlorobenzene         | 0.84  | U         | 0.84 | 4   | 5          | ug/L  |
| 100-51-6       | Benzyl Alcohol              | 1.6   | U         | 1.6  | 8   | 10         | ug/L  |
| 95-48-7        | 2-Methylphenol              | 1.1   | U         | 1.1  | 4   | 5          | ug/L  |
| 108-60-1       | 2,2-oxybis(1-Chloropropane) | 1.4   | U         | 1.4  | 4   | 5          | ug/L  |
| 98-86-2        | Acetophenone                | 1.1   | U         | 1.1  | 4   | 5          | ug/L  |
| 65794-96-9     | 3+4-Methylphenols           | 1.2   | U         | 1.2  | 8   | 10         | ug/L  |
| 621-64-7       | n-Nitroso-di-n-propylamine  | 1.5   | U         | 1.5  | 2.5 | 2.5        | ug/L  |
| 67-72-1        | Hexachloroethane            | 1     | U         | 1    | 4   | 5          | ug/L  |
| 98-95-3        | Nitrobenzene                | 1.3   | U         | 1.3  | 4   | 5          | ug/L  |
| 78-59-1        | Isophorone                  | 1.1   | U         | 1.1  | 4   | 5          | ug/L  |
| 88-75-5        | 2-Nitrophenol               | 2     | U         | 2    | 4   | 5          | ug/L  |
| 105-67-9       | 2,4-Dimethylphenol          | 1.5   | U         | 1.5  | 4   | 5          | ug/L  |
| 111-91-1       | bis(2-Chloroethoxy)methane  | 1     | U         | 1    | 4   | 5          | ug/L  |
| 120-83-2       | 2,4-Dichlorophenol          | 0.88  | U         | 0.88 | 4   | 5          | ug/L  |
| 120-82-1       | 1,2,4-Trichlorobenzene      | 1.1   | U         | 1.1  | 4   | 5          | ug/L  |
| 65-85-0        | Benzoic acid                | 5.5   | U         | 5.5  | 8   | 10         | ug/L  |
| 91-20-3        | Naphthalene                 | 1     | U         | 1    | 4   | 5          | ug/L  |
| 106-47-8       | 4-Chloroaniline             | 1.3   | U         | 1.3  | 4   | 5          | ug/L  |
| 87-68-3        | Hexachlorobutadiene         | 1.3   | U         | 1.3  | 4   | 5          | ug/L  |



## Report of Analysis

|                    |            |                 |                        |
|--------------------|------------|-----------------|------------------------|
| Client:            |            | Date Collected: | 10/15/2024 12:00:00 AM |
| Project:           |            | Date Received:  | 10/15/2024 12:00:00 AM |
| Client Sample ID:  | MH-121     | SDG No.:        | BF101824               |
| Lab Sample ID:     | P4405-01   | Matrix:         | Water                  |
| Analytical Method: | 8270E      | % Moisture:     | 100                    |
| Sample Wt/Vol:     | 1000       | Units:          | mL                     |
| Soil Aliquot Vol:  |            | Final Vol:      | 1000 uL                |
| Extraction Type :  |            | Test:           |                        |
|                    | Decanted : | Level :         | LOW                    |
| Injection Volume : |            | GPC Factor :    |                        |
|                    |            | GPC Cleanup :   | PH :                   |

|                   |           |                        |                        |               |
|-------------------|-----------|------------------------|------------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date              | Date Analyzed          | Prep Batch ID |
| BF139854.D        | 1         | 10/17/2024 12:00:00 AM | 10/18/2024 12:00:00 AM | PB164211      |

| CAS Number | Parameter                                       | Conc. | Qualifier | MDL   | LOD | LOQ / CRQL | Units |
|------------|-------------------------------------------------|-------|-----------|-------|-----|------------|-------|
| 105-60-2   | Caprolactam                                     | 1.7   | U         | 1.7   | 8   | 10         | ug/L  |
| 59-50-7    | 4-Chloro-3-methylphenol                         | 0.84  | U         | 0.84  | 4   | 5          | ug/L  |
| 91-57-6    | 2-Methylnaphthalene                             | 1.1   | U         | 1.1   | 4   | 5          | ug/L  |
| 77-47-4    | Hexachlorocyclopentadiene                       | 5     | U         | 5     | 8   | 10         | ug/L  |
| 88-06-2    | 2,4,6-Trichlorophenol                           | 0.89  | U         | 0.89  | 4   | 5          | ug/L  |
| 95-95-4    | 2,4,5-Trichlorophenol                           | 1     | U         | 1     | 4   | 5          | ug/L  |
| 92-52-4    | 1,1-Biphenyl                                    | 0.91  | U         | 0.91  | 4   | 5          | ug/L  |
| 91-58-7    | 2-Chloronaphthalene                             | 0.97  | U         | 0.97  | 4   | 5          | ug/L  |
| 88-74-4    | 2-Nitroaniline                                  | 1.4   | U         | 1.4   | 4   | 5          | ug/L  |
| 131-11-3   | Dimethylphthalate                               | 0.93  | U         | 0.93  | 4   | 5          | ug/L  |
| 208-96-8   | Acenaphthylene                                  | 1     | U         | 1     | 4   | 5          | ug/L  |
| 606-20-2   | 2,6-Dinitrotoluene                              | 1.2   | U         | 1.2   | 4   | 5          | ug/L  |
| 99-09-2    | 3-Nitroaniline                                  | 1.4   | U         | 1.4   | 4   | 5          | ug/L  |
| 83-32-9    | Acenaphthene                                    | 0.81  | U         | 0.81  | 4   | 5          | ug/L  |
| Total PAH  | Total PAH                                       | 17.36 | U         | 17.36 | 4   | 80         | ug/L  |
| 51-28-5    | 2,4-Dinitrophenol                               | 6.4   | U         | 6.4   | 8   | 10         | ug/L  |
| 100-02-7   | 4-Nitrophenol                                   | 2     | U         | 2     | 8   | 10         | ug/L  |
| 132-64-9   | Dibenzofuran                                    | 0.93  | U         | 0.93  | 4   | 5          | ug/L  |
| 25321-14-6 | 2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture) | 2.7   | U         | 2.7   | 4   | 10         | ug/L  |
| 121-14-2   | 2,4-Dinitrotoluene                              | 1.5   | U         | 1.5   | 4   | 5          | ug/L  |
| 84-66-2    | Diethylphthalate                                | 1     | U         | 1     | 4   | 5          | ug/L  |
| 7005-72-3  | 4-Chlorophenyl-phenylether                      | 0.98  | U         | 0.98  | 4   | 5          | ug/L  |
| 86-73-7    | Fluorene                                        | 0.96  | U         | 0.96  | 4   | 5          | ug/L  |
| 100-01-6   | 4-Nitroaniline                                  | 2     | U         | 2     | 4   | 5          | ug/L  |
| 534-52-1   | 4,6-Dinitro-2-methylphenol                      | 3.1   | U         | 3.1   | 8   | 10         | ug/L  |
| 86-30-6    | n-Nitrosodiphenylamine                          | 0.89  | U         | 0.89  | 4   | 5          | ug/L  |
| 103-33-3   | Azobenzene                                      | 1.2   | U         | 1.2   | 4   | 5          | ug/L  |
| 101-55-3   | 4-Bromophenyl-phenylether                       | 0.95  | U         | 0.95  | 4   | 5          | ug/L  |
| 118-74-1   | Hexachlorobenzene                               | 1.1   | U         | 1.1   | 4   | 5          | ug/L  |
| 1912-24-9  | Atrazine                                        | 1.3   | U         | 1.3   | 4   | 5          | ug/L  |

## Report of Analysis

|                    |            |                 |                        |
|--------------------|------------|-----------------|------------------------|
| Client:            |            | Date Collected: | 10/15/2024 12:00:00 AM |
| Project:           |            | Date Received:  | 10/15/2024 12:00:00 AM |
| Client Sample ID:  | MH-121     | SDG No.:        | BF101824               |
| Lab Sample ID:     | P4405-01   | Matrix:         | Water                  |
| Analytical Method: | 8270E      | % Moisture:     | 100                    |
| Sample Wt/Vol:     | 1000       | Units:          | mL                     |
| Soil Aliquot Vol:  |            | Final Vol:      | 1000 uL                |
| Extraction Type :  |            | Test:           |                        |
|                    | Decanted : | Level :         | LOW                    |
| Injection Volume : |            | GPC Factor :    |                        |
|                    |            | GPC Cleanup :   | PH :                   |

|                   |           |                        |                        |               |
|-------------------|-----------|------------------------|------------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date              | Date Analyzed          | Prep Batch ID |
| BF139854.D        | 1         | 10/17/2024 12:00:00 AM | 10/18/2024 12:00:00 AM | PB164211      |

| CAS Number        | Parameter                  | Conc.  | Qualifier | MDL    | LOD | LOQ / CRQL | Units     |
|-------------------|----------------------------|--------|-----------|--------|-----|------------|-----------|
| 87-86-5           | Pentachlorophenol          | 1.9    | U         | 1.9    | 8   | 10         | ug/L      |
| 85-01-8           | Phenanthrene               | 0.89   | U         | 0.89   | 4   | 5          | ug/L      |
| 120-12-7          | Anthracene                 | 1.1    | U         | 1.1    | 4   | 5          | ug/L      |
| 86-74-8           | Carbazole                  | 1.2    | U         | 1.2    | 4   | 5          | ug/L      |
| 84-74-2           | Di-n-butylphthalate        | 1.5    | U         | 1.5    | 4   | 5          | ug/L      |
| 206-44-0          | Fluoranthene               | 1.3    | U         | 1.3    | 4   | 5          | ug/L      |
| 92-87-5           | Benzidine                  | 4.1    | U         | 4.1    | 8   | 10         | ug/L      |
| 129-00-0          | Pyrene                     | 1.1    | U         | 1.1    | 4   | 5          | ug/L      |
| 85-68-7           | Butylbenzylphthalate       | 2.1    | U         | 2.1    | 4   | 5          | ug/L      |
| 91-94-1           | 3,3-Dichlorobenzidine      | 1.3    | U         | 1.3    | 8   | 10         | ug/L      |
| 56-55-3           | Benzo(a)anthracene         | 0.94   | U         | 0.94   | 4   | 5          | ug/L      |
| 218-01-9          | Chrysene                   | 0.86   | U         | 0.86   | 4   | 5          | ug/L      |
| 117-81-7          | Bis(2-ethylhexyl)phthalate | 2.2    | J         | 1.9    | 4   | 5          | ug/L      |
| 117-84-0          | Di-n-octyl phthalate       | 2.5    | U         | 2.5    | 8   | 10         | ug/L      |
| 205-99-2          | Benzo(b)fluoranthene       | 1.1    | U         | 1.1    | 4   | 5          | ug/L      |
| 207-08-9          | Benzo(k)fluoranthene       | 1.2    | U         | 1.2    | 4   | 5          | ug/L      |
| 50-32-8           | Benzo(a)pyrene             | 1.7    | U         | 1.7    | 4   | 5          | ug/L      |
| 193-39-5          | Indeno(1,2,3-cd)pyrene     | 1      | U         | 1      | 4   | 5          | ug/L      |
| 53-70-3           | Dibenzo(a,h)anthracene     | 1.2    | U         | 1.2    | 4   | 5          | ug/L      |
| 191-24-2          | Benzo(g,h,i)perylene       | 1.2    | U         | 1.2    | 4   | 5          | ug/L      |
| 95-94-3           | 1,2,4,5-Tetrachlorobenzene | 1.1    | U         | 1.1    | 4   | 5          | ug/L      |
| 123-91-1          | 1,4-Dioxane                | 1.3    | U         | 1.3    | 4   | 5          | ug/L      |
| 58-90-2           | 2,3,4,6-Tetrachlorophenol  | 0.79   | U         | 0.79   | 4   | 5          | ug/L      |
| 90-12-0           | 1-Methylnaphthalene        | 0.86   | U         | 0.86   | 4   | 5          | ug/L      |
| <b>SURROGATES</b> |                            |        |           |        |     |            |           |
| 367-12-4          | 2-Fluorophenol             | 77.901 |           | 10-139 |     | 52         | SPK: -150 |
| 13127-88-3        | Phenol-d6                  | 58.256 |           | 10-134 |     | 39         | SPK: -150 |
| 4165-60-0         | Nitrobenzene-d5            | 98.249 |           | 49-133 |     | 98         | SPK: -100 |
| 321-60-8          | 2-Fluorobiphenyl           | 98.002 |           | 52-132 |     | 98         | SPK: -100 |

## Report of Analysis

|                    |            |                 |                        |
|--------------------|------------|-----------------|------------------------|
| Client:            |            | Date Collected: | 10/15/2024 12:00:00 AM |
| Project:           |            | Date Received:  | 10/15/2024 12:00:00 AM |
| Client Sample ID:  | MH-121     | SDG No.:        | BF101824               |
| Lab Sample ID:     | P4405-01   | Matrix:         | Water                  |
| Analytical Method: | 8270E      | % Moisture:     | 100                    |
| Sample Wt/Vol:     | 1000       | Units:          | mL                     |
| Soil Aliquot Vol:  |            | Final Vol:      | 1000 uL                |
| Extraction Type :  |            | Test:           |                        |
|                    | Decanted : | Level :         | LOW                    |
| Injection Volume : |            | GPC Factor :    |                        |
|                    |            | GPC Cleanup :   | PH :                   |

|                   |           |                        |                        |               |
|-------------------|-----------|------------------------|------------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date              | Date Analyzed          | Prep Batch ID |
| BF139854.D        | 1         | 10/17/2024 12:00:00 AM | 10/18/2024 12:00:00 AM | PB164211      |

| CAS Number                            | Parameter                        | Conc.   | Qualifier | MDL    | LOD | LOQ / CRQL | Units     |
|---------------------------------------|----------------------------------|---------|-----------|--------|-----|------------|-----------|
| 118-79-6                              | 2,4,6-Tribromophenol             | 121.922 |           | 44-137 |     | 81         | SPK: -150 |
| 1718-51-0                             | Terphenyl-d14                    | 70.713  |           | 48-125 |     | 71         | SPK: -100 |
| <b>INTERNAL STANDARDS</b>             |                                  |         |           |        |     |            |           |
| 3855-82-1                             | 1,4-Dichlorobenzene-d4           | 151163  | 6.887     |        |     |            |           |
| 1146-65-2                             | Naphthalene-d8                   | 561497  | 8.169     |        |     |            |           |
| 15067-26-2                            | Acenaphthene-d10                 | 281527  | 9.922     |        |     |            |           |
| 1517-22-2                             | Phenanthrene-d10                 | 411435  | 11.41     |        |     |            |           |
| 1719-03-5                             | Chrysene-d12                     | 336325  | 14.045    |        |     |            |           |
| 1520-96-3                             | Perylene-d12                     | 284413  | 15.521    |        |     |            |           |
| <b>TENTATIVE IDENTIFIED COMPOUNDS</b> |                                  |         |           |        |     |            |           |
| 000994-05-8                           | Butane, 2-methoxy-2-methyl-      | 190     | J         |        |     | 2.175      |           |
| 000123-42-2                           | 2-Pentanone, 4-hydroxy-4-methyl- | 3.3     | A         |        |     | 5.104      |           |
| 000119-61-9                           | Benzophenone                     | 3.1     | J         |        |     | 10.633     |           |
| 000057-10-3                           | n-Hexadecanoic acid              | 7.4     | J         |        |     | 11.933     |           |
| 000057-11-4                           | Octadecanoic acid                | 3.1     | J         |        |     | 12.716     |           |
| 959085-66-6                           | Heptadecyl heptafluorobutyrate   | 2.6     | J         |        |     | 13.904     |           |

## Report of Analysis

|                    |            |                 |                        |
|--------------------|------------|-----------------|------------------------|
| Client:            |            | Date Collected: | 10/17/2024 12:00:00 AM |
| Project:           |            | Date Received:  | 10/17/2024 12:00:00 AM |
| Client Sample ID:  | 72-11934   | SDG No.:        | BF101824               |
| Lab Sample ID:     | P4431-01   | Matrix:         | Solid                  |
| Analytical Method: | 8270E      | % Moisture:     | 11.5                   |
| Sample Wt/Vol:     | 50.05      | Units:          | g                      |
| Soil Aliquot Vol:  |            | Final Vol:      | 1000 uL                |
| Extraction Type :  |            | Test:           |                        |
|                    | Decanted : | Level :         | LOW                    |
| Injection Volume : |            | GPC Factor :    |                        |
|                    |            | GPC Cleanup :   | PH :                   |

|                   |           |                        |                        |               |
|-------------------|-----------|------------------------|------------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date              | Date Analyzed          | Prep Batch ID |
| BF139855.D        | 1         | 10/18/2024 12:00:00 AM | 10/18/2024 12:00:00 AM | PB164237      |

| CAS Number     | Parameter                   | Conc. | Qualifier | MDL  | LOD  | LOQ / CRQL | Units |
|----------------|-----------------------------|-------|-----------|------|------|------------|-------|
| <b>TARGETS</b> |                             |       |           |      |      |            |       |
| 62-75-9        | n-Nitrosodimethylamine      | 58.8  | U         | 58.8 | 180  | 220        | ug/Kg |
| 110-86-1       | Pyridine                    | 54.1  | U         | 54.1 | 88   | 120        | ug/Kg |
| 100-52-7       | Benzaldehyde                | 120   | U         | 120  | 180  | 220        | ug/Kg |
| 62-53-3        | Aniline                     | 65.6  | U         | 65.6 | 88   | 120        | ug/Kg |
| 108-95-2       | Phenol                      | 56.1  | U         | 56.1 | 88   | 120        | ug/Kg |
| 111-44-4       | bis(2-Chloroethyl)ether     | 56.7  | U         | 56.7 | 88   | 120        | ug/Kg |
| 95-57-8        | 2-Chlorophenol              | 56.6  | U         | 56.6 | 88   | 120        | ug/Kg |
| 95-50-1        | 1,2-Dichlorobenzene         | 57.3  | U         | 57.3 | 88   | 120        | ug/Kg |
| 541-73-1       | 1,3-Dichlorobenzene         | 58.2  | U         | 58.2 | 88   | 120        | ug/Kg |
| 106-46-7       | 1,4-Dichlorobenzene         | 58.6  | U         | 58.6 | 88   | 120        | ug/Kg |
| 100-51-6       | Benzyl Alcohol              | 56.2  | U         | 56.2 | 180  | 220        | ug/Kg |
| 95-48-7        | 2-Methylphenol              | 54.6  | U         | 54.6 | 88   | 120        | ug/Kg |
| 108-60-1       | 2,2-oxybis(1-Chloropropane) | 61.6  | U         | 61.6 | 88   | 120        | ug/Kg |
| 98-86-2        | Acetophenone                | 58.9  | U         | 58.9 | 88   | 120        | ug/Kg |
| 65794-96-9     | 3+4-Methylphenols           | 54    | U         | 54   | 180  | 220        | ug/Kg |
| 621-64-7       | n-Nitroso-di-n-propylamine  | 27.3  | U         | 27.3 | 54.2 | 54.2       | ug/Kg |
| 67-72-1        | Hexachloroethane            | 56.2  | U         | 56.2 | 88   | 120        | ug/Kg |
| 98-95-3        | Nitrobenzene                | 61.5  | U         | 61.5 | 88   | 120        | ug/Kg |
| 78-59-1        | Isophorone                  | 57.3  | U         | 57.3 | 88   | 120        | ug/Kg |
| 88-75-5        | 2-Nitrophenol               | 64    | U         | 64   | 88   | 120        | ug/Kg |
| 105-67-9       | 2,4-Dimethylphenol          | 63.1  | U         | 63.1 | 88   | 120        | ug/Kg |
| 111-91-1       | bis(2-Chloroethoxy)methane  | 58.1  | U         | 58.1 | 88   | 120        | ug/Kg |
| 120-83-2       | 2,4-Dichlorophenol          | 51.1  | U         | 51.1 | 88   | 120        | ug/Kg |
| 120-82-1       | 1,2,4-Trichlorobenzene      | 57.8  | U         | 57.8 | 88   | 120        | ug/Kg |
| 65-85-0        | Benzoic acid                | 160   | U         | 160  | 180  | 220        | ug/Kg |
| 91-20-3        | Naphthalene                 | 55.9  | U         | 55.9 | 88   | 120        | ug/Kg |
| 106-47-8       | 4-Chloroaniline             | 55.9  | U         | 55.9 | 88   | 120        | ug/Kg |
| 87-68-3        | Hexachlorobutadiene         | 56.4  | U         | 56.4 | 88   | 120        | ug/Kg |

## Report of Analysis

|                    |            |                 |                        |
|--------------------|------------|-----------------|------------------------|
| Client:            |            | Date Collected: | 10/17/2024 12:00:00 AM |
| Project:           |            | Date Received:  | 10/17/2024 12:00:00 AM |
| Client Sample ID:  | 72-11934   | SDG No.:        | BF101824               |
| Lab Sample ID:     | P4431-01   | Matrix:         | Solid                  |
| Analytical Method: | 8270E      | % Moisture:     | 11.5                   |
| Sample Wt/Vol:     | 50.05      | Units:          | g                      |
| Soil Aliquot Vol:  |            | Final Vol:      | 1000 uL                |
| Extraction Type :  |            | Test:           |                        |
|                    | Decanted : | Level :         | LOW                    |
| Injection Volume : |            | GPC Factor :    |                        |
|                    |            | GPC Cleanup :   | PH :                   |

|                   |           |                        |                        |               |
|-------------------|-----------|------------------------|------------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date              | Date Analyzed          | Prep Batch ID |
| BF139855.D        | 1         | 10/18/2024 12:00:00 AM | 10/18/2024 12:00:00 AM | PB164237      |

| CAS Number | Parameter                                       | Conc.  | Qualifier | MDL   | LOD | LOQ / CRQL | Units |
|------------|-------------------------------------------------|--------|-----------|-------|-----|------------|-------|
| 105-60-2   | Caprolactam                                     | 58.8   | U         | 58.8  | 180 | 220        | ug/Kg |
| 59-50-7    | 4-Chloro-3-methylphenol                         | 52.5   | U         | 52.5  | 88  | 120        | ug/Kg |
| 91-57-6    | 2-Methylnaphthalene                             | 55.9   | U         | 55.9  | 88  | 120        | ug/Kg |
| 77-47-4    | Hexachlorocyclopentadiene                       | 110    | U         | 110   | 180 | 220        | ug/Kg |
| 88-06-2    | 2,4,6-Trichlorophenol                           | 48.4   | U         | 48.4  | 88  | 120        | ug/Kg |
| 95-95-4    | 2,4,5-Trichlorophenol                           | 50.1   | U         | 50.1  | 88  | 120        | ug/Kg |
| 92-52-4    | 1,1-Biphenyl                                    | 59.2   | U         | 59.2  | 88  | 120        | ug/Kg |
| 91-58-7    | 2-Chloronaphthalene                             | 56.4   | U         | 56.4  | 88  | 120        | ug/Kg |
| 88-74-4    | 2-Nitroaniline                                  | 64.3   | U         | 64.3  | 88  | 120        | ug/Kg |
| 131-11-3   | Dimethylphthalate                               | 55.3   | U         | 55.3  | 88  | 120        | ug/Kg |
| 208-96-8   | Acenaphthylene                                  | 58.6   | U         | 58.6  | 88  | 120        | ug/Kg |
| 606-20-2   | 2,6-Dinitrotoluene                              | 56.4   | U         | 56.4  | 88  | 120        | ug/Kg |
| 99-09-2    | 3-Nitroaniline                                  | 60.4   | U         | 60.4  | 88  | 120        | ug/Kg |
| 83-32-9    | Acenaphthene                                    | 54.9   | U         | 54.9  | 88  | 120        | ug/Kg |
| Total PAH  | Total PAH                                       | 5434.7 | U         | 897.4 | 88  | 1920       | ug/Kg |
| 51-28-5    | 2,4-Dinitrophenol                               | 160    | U         | 160   | 180 | 220        | ug/Kg |
| 100-02-7   | 4-Nitrophenol                                   | 78.6   | U         | 78.6  | 180 | 220        | ug/Kg |
| 132-64-9   | Dibenzofuran                                    | 57.2   | U         | 57.2  | 88  | 120        | ug/Kg |
| 25321-14-6 | 2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture) | 14.8   | U         | 114.8 | 88  | 240        | ug/Kg |
| 121-14-2   | 2,4-Dinitrotoluene                              | 58.4   | U         | 58.4  | 88  | 120        | ug/Kg |
| 84-66-2    | Diethylphthalate                                | 54.3   | U         | 54.3  | 88  | 120        | ug/Kg |
| 7005-72-3  | 4-Chlorophenyl-phenylether                      | 58     | U         | 58    | 88  | 120        | ug/Kg |
| 86-73-7    | Fluorene                                        | 57.9   | U         | 57.9  | 88  | 120        | ug/Kg |
| 100-01-6   | 4-Nitroaniline                                  | 72.5   | U         | 72.5  | 88  | 120        | ug/Kg |
| 534-52-1   | 4,6-Dinitro-2-methylphenol                      | 79.2   | U         | 79.2  | 180 | 220        | ug/Kg |
| 86-30-6    | n-Nitrosodiphenylamine                          | 55.3   | U         | 55.3  | 88  | 120        | ug/Kg |
| 103-33-3   | Azobenzene                                      | 53.9   | U         | 53.9  | 88  | 120        | ug/Kg |
| 101-55-3   | 4-Bromophenyl-phenylether                       | 53.4   | U         | 53.4  | 88  | 120        | ug/Kg |
| 118-74-1   | Hexachlorobenzene                               | 57.6   | U         | 57.6  | 88  | 120        | ug/Kg |
| 1912-24-9  | Atrazine                                        | 61.9   | U         | 61.9  | 88  | 120        | ug/Kg |

## Report of Analysis

|                    |            |                 |                        |
|--------------------|------------|-----------------|------------------------|
| Client:            |            | Date Collected: | 10/17/2024 12:00:00 AM |
| Project:           |            | Date Received:  | 10/17/2024 12:00:00 AM |
| Client Sample ID:  | 72-11934   | SDG No.:        | BF101824               |
| Lab Sample ID:     | P4431-01   | Matrix:         | Solid                  |
| Analytical Method: | 8270E      | % Moisture:     | 11.5                   |
| Sample Wt/Vol:     | 50.05      | Units:          | g                      |
| Soil Aliquot Vol:  |            | Final Vol:      | 1000 uL                |
| Extraction Type :  |            | Test:           |                        |
|                    | Decanted : | Level :         | LOW                    |
| Injection Volume : |            | GPC Factor :    |                        |
|                    |            | GPC Cleanup :   | PH :                   |

|                   |           |                        |                        |               |
|-------------------|-----------|------------------------|------------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date              | Date Analyzed          | Prep Batch ID |
| BF139855.D        | 1         | 10/18/2024 12:00:00 AM | 10/18/2024 12:00:00 AM | PB164237      |

| CAS Number        | Parameter                  | Conc.   | Qualifier | MDL    | LOD | LOQ / CRQL | Units     |
|-------------------|----------------------------|---------|-----------|--------|-----|------------|-----------|
| 87-86-5           | Pentachlorophenol          | 230     |           | 52.4   | 180 | 220        | ug/Kg     |
| 85-01-8           | Phenanthrene               | 510     |           | 56.9   | 88  | 120        | ug/Kg     |
| 120-12-7          | Anthracene                 | 91.3    | J         | 57.2   | 88  | 120        | ug/Kg     |
| 86-74-8           | Carbazole                  | 54.4    | U         | 54.4   | 88  | 120        | ug/Kg     |
| 84-74-2           | Di-n-butylphthalate        | 57.1    | U         | 57.1   | 88  | 120        | ug/Kg     |
| 206-44-0          | Fluoranthene               | 1200    |           | 55.3   | 88  | 120        | ug/Kg     |
| 92-87-5           | Benzidine                  | 110     | U         | 110    | 180 | 220        | ug/Kg     |
| 129-00-0          | Pyrene                     | 630     |           | 56.2   | 88  | 120        | ug/Kg     |
| 85-68-7           | Butylbenzylphthalate       | 65.6    | U         | 65.6   | 88  | 120        | ug/Kg     |
| 91-94-1           | 3,3-Dichlorobenzidine      | 66.8    | U         | 66.8   | 180 | 220        | ug/Kg     |
| 56-55-3           | Benzo(a)anthracene         | 490     |           | 54.7   | 88  | 120        | ug/Kg     |
| 218-01-9          | Chrysene                   | 490     |           | 53.8   | 88  | 120        | ug/Kg     |
| 117-81-7          | Bis(2-ethylhexyl)phthalate | 130     |           | 61.6   | 88  | 120        | ug/Kg     |
| 117-84-0          | Di-n-octyl phthalate       | 74.5    | U         | 74.5   | 180 | 220        | ug/Kg     |
| 205-99-2          | Benzo(b)fluoranthene       | 670     |           | 54.9   | 88  | 120        | ug/Kg     |
| 207-08-9          | Benzo(k)fluoranthene       | 270     |           | 55.9   | 88  | 120        | ug/Kg     |
| 50-32-8           | Benzo(a)pyrene             | 500     |           | 63     | 88  | 120        | ug/Kg     |
| 193-39-5          | Indeno(1,2,3-cd)pyrene     | 230     |           | 52.9   | 88  | 120        | ug/Kg     |
| 53-70-3           | Dibenzo(a,h)anthracene     | 63.4    | J         | 55     | 88  | 120        | ug/Kg     |
| 191-24-2          | Benzo(g,h,i)perylene       | 290     |           | 54.3   | 88  | 120        | ug/Kg     |
| 95-94-3           | 1,2,4,5-Tetrachlorobenzene | 58.8    | U         | 58.8   | 88  | 120        | ug/Kg     |
| 123-91-1          | 1,4-Dioxane                | 74.5    | U         | 74.5   | 88  | 120        | ug/Kg     |
| 58-90-2           | 2,3,4,6-Tetrachlorophenol  | 50.6    | U         | 50.6   | 88  | 120        | ug/Kg     |
| 90-12-0           | 1-Methylnaphthalene        | 56.4    | U         | 56.4   | 120 | 120        | ug/Kg     |
| <b>SURROGATES</b> |                            |         |           |        |     |            |           |
| 367-12-4          | 2-Fluorophenol             | 109.455 |           | 18-112 |     | 73         | SPK: -150 |
| 13127-88-3        | Phenol-d6                  | 103.238 |           | 15-107 |     | 69         | SPK: -150 |
| 4165-60-0         | Nitrobenzene-d5            | 82.783  |           | 18-107 |     | 83         | SPK: -100 |
| 321-60-8          | 2-Fluorobiphenyl           | 87.542  |           | 20-109 |     | 88         | SPK: -100 |

## Report of Analysis

|                    |            |                 |                        |
|--------------------|------------|-----------------|------------------------|
| Client:            |            | Date Collected: | 10/17/2024 12:00:00 AM |
| Project:           |            | Date Received:  | 10/17/2024 12:00:00 AM |
| Client Sample ID:  | 72-11934   | SDG No.:        | BF101824               |
| Lab Sample ID:     | P4431-01   | Matrix:         | Solid                  |
| Analytical Method: | 8270E      | % Moisture:     | 11.5                   |
| Sample Wt/Vol:     | 50.05      | Units:          | g                      |
| Soil Aliquot Vol:  |            | Final Vol:      | 1000 uL                |
| Extraction Type :  |            | Test:           |                        |
|                    | Decanted : | Level :         | LOW                    |
| Injection Volume : |            | GPC Factor :    |                        |
|                    |            | GPC Cleanup :   | PH :                   |

|                   |           |                        |                        |               |
|-------------------|-----------|------------------------|------------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date              | Date Analyzed          | Prep Batch ID |
| BF139855.D        | 1         | 10/18/2024 12:00:00 AM | 10/18/2024 12:00:00 AM | PB164237      |

| CAS Number                            | Parameter                         | Conc.  | Qualifier | MDL    | LOD | LOQ / CRQL | Units     |
|---------------------------------------|-----------------------------------|--------|-----------|--------|-----|------------|-----------|
| 118-79-6                              | 2,4,6-Tribromophenol              | 92.582 |           | 10-116 |     | 62         | SPK: -150 |
| 1718-51-0                             | Terphenyl-d14                     | 57.092 |           | 10-105 |     | 57         | SPK: -100 |
| <b>INTERNAL STANDARDS</b>             |                                   |        |           |        |     |            |           |
| 3855-82-1                             | 1,4-Dichlorobenzene-d4            | 149416 | 6.887     |        |     |            |           |
| 1146-65-2                             | Naphthalene-d8                    | 526839 | 8.169     |        |     |            |           |
| 15067-26-2                            | Acenaphthene-d10                  | 231462 | 9.922     |        |     |            |           |
| 1517-22-2                             | Phenanthrene-d10                  | 340877 | 11.41     |        |     |            |           |
| 1719-03-5                             | Chrysene-d12                      | 332383 | 14.051    |        |     |            |           |
| 1520-96-3                             | Perylene-d12                      | 249176 | 15.527    |        |     |            |           |
| <b>TENTATIVE IDENTIFIED COMPOUNDS</b> |                                   |        |           |        |     |            |           |
| 000994-05-8                           | Butane, 2-methoxy-2-methyl-       | 2000   | J         |        |     | 2.181      |           |
| 000123-42-2                           | 2-Pentanone, 4-hydroxy-4-methyl-  | 150    | A         |        |     | 5.11       |           |
| 001119-40-0                           | Pentanedioic acid, dimethyl ester | 49     | J         |        |     | 7.698      |           |
| 000119-61-9                           | Benzophenone                      | 94.1   | J         |        |     | 10.634     |           |
| 000613-12-7                           | Anthracene, 2-methyl-             | 84     | J         |        |     | 11.91      |           |
| 000057-10-3                           | n-Hexadecanoic acid               | 300    | J         |        |     | 11.933     |           |
| 000203-64-5                           | 4H-Cyclopenta[def]phenanthrene    | 220    | J         |        |     | 12.022     |           |
| 000084-65-1                           | 9,10-Anthracenedione              | 150    | J         |        |     | 12.227     |           |
| 003674-66-6                           | Phenanthrene, 2,5-dimethyl-       | 91.4   | J         |        |     | 12.463     |           |
|                                       | unknown12.498                     | 56.2   | J         |        |     | 12.498     |           |
| 005737-13-3                           | Cyclopenta(def)phenanthrenone     | 51.5   | J         |        |     | 12.545     |           |
| 000057-11-4                           | Octadecanoic acid                 | 73.6   | J         |        |     | 12.722     |           |
| 002381-21-7                           | Pyrene, 1-methyl-                 | 49.2   | J         |        |     | 13.069     |           |
| 033543-31-6                           | Fluoranthene, 2-methyl-           | 76.8   | J         |        |     | 13.175     |           |
| 000239-35-0                           | Benzo[b]naphtho[2,1-d]thiophene   | 56.9   | J         |        |     | 13.798     |           |
| 000479-79-8                           | 11H-Benzo[a]fluoren-11-one        | 77.7   | J         |        |     | 13.892     |           |
|                                       | unknown14.827                     | 86.2   | J         |        |     | 14.827     |           |
| 007683-64-9                           | Supraene                          | 180    | J         |        |     | 14.916     |           |
| 000192-97-2                           | Benzo[e]pyrene                    | 180    | J         |        |     | 15.204     |           |

## Report of Analysis

|                    |          |                 |                        |
|--------------------|----------|-----------------|------------------------|
| Client:            |          | Date Collected: | 10/17/2024 12:00:00 AM |
| Project:           |          | Date Received:  | 10/17/2024 12:00:00 AM |
| Client Sample ID:  | 72-11934 | SDG No.:        | BF101824               |
| Lab Sample ID:     | P4431-01 | Matrix:         | Solid                  |
| Analytical Method: | 8270E    | % Moisture:     | 11.5                   |
| Sample Wt/Vol:     | 50.05    | Units:          | g                      |
| Soil Aliquot Vol:  |          | Final Vol:      | 1000 uL                |
| Extraction Type :  |          | Test:           |                        |
|                    |          | Level :         | LOW                    |
| Injection Volume : |          | Decanted :      |                        |
|                    |          | GPC Factor :    |                        |
|                    |          | GPC Cleanup :   | PH :                   |

|                   |           |                        |                        |               |
|-------------------|-----------|------------------------|------------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date              | Date Analyzed          | Prep Batch ID |
| BF139855.D        | 1         | 10/18/2024 12:00:00 AM | 10/18/2024 12:00:00 AM | PB164237      |

| CAS Number  | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|-------------|-----------|-------|-----------|-----|-----|------------|-------|
| 000198-55-0 | Perylene  | 350   | J         |     |     | 15.398     |       |



## Report of Analysis

|                    |              |                 |                        |
|--------------------|--------------|-----------------|------------------------|
| Client:            |              | Date Collected: | 10/16/2024 12:00:00 AM |
| Project:           |              | Date Received:  | 10/16/2024 12:00:00 AM |
| Client Sample ID:  | EO-02-101624 | SDG No.:        | BF101824               |
| Lab Sample ID:     | P4421-01     | Matrix:         | Solid                  |
| Analytical Method: | 8270E        | % Moisture:     | 9.9                    |
| Sample Wt/Vol:     | 50.04        | Units:          | g                      |
| Soil Aliquot Vol:  |              | Final Vol:      | 1000 uL                |
| Extraction Type :  |              | Test:           |                        |
|                    | Decanted :   | Level :         | LOW                    |
| Injection Volume : |              | GPC Factor :    |                        |
|                    |              | GPC Cleanup :   | PH :                   |

|                   |           |                        |                        |               |
|-------------------|-----------|------------------------|------------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date              | Date Analyzed          | Prep Batch ID |
| BF139856.D        | 5         | 10/17/2024 12:00:00 AM | 10/18/2024 12:00:00 AM | PB164208      |

| CAS Number     | Parameter                   | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|----------------|-----------------------------|-------|-----------|-----|-----|------------|-------|
| <b>TARGETS</b> |                             |       |           |     |     |            |       |
| 62-75-9        | n-Nitrosodimethylamine      | 290   | U         | 290 | 900 | 1100       | ug/Kg |
| 110-86-1       | Pyridine                    | 270   | U         | 270 | 430 | 570        | ug/Kg |
| 100-52-7       | Benzaldehyde                | 610   | U         | 610 | 900 | 1100       | ug/Kg |
| 62-53-3        | Aniline                     | 320   | U         | 320 | 430 | 570        | ug/Kg |
| 108-95-2       | Phenol                      | 280   | U         | 280 | 430 | 570        | ug/Kg |
| 111-44-4       | bis(2-Chloroethyl)ether     | 280   | U         | 280 | 430 | 570        | ug/Kg |
| 95-57-8        | 2-Chlorophenol              | 280   | U         | 280 | 430 | 570        | ug/Kg |
| 95-50-1        | 1,2-Dichlorobenzene         | 280   | U         | 280 | 430 | 570        | ug/Kg |
| 541-73-1       | 1,3-Dichlorobenzene         | 290   | U         | 290 | 430 | 570        | ug/Kg |
| 106-46-7       | 1,4-Dichlorobenzene         | 290   | U         | 290 | 430 | 570        | ug/Kg |
| 100-51-6       | Benzyl Alcohol              | 280   | U         | 280 | 900 | 1100       | ug/Kg |
| 95-48-7        | 2-Methylphenol              | 270   | U         | 270 | 430 | 570        | ug/Kg |
| 108-60-1       | 2,2-oxybis(1-Chloropropane) | 300   | U         | 300 | 430 | 570        | ug/Kg |
| 98-86-2        | Acetophenone                | 290   | U         | 290 | 430 | 570        | ug/Kg |
| 65794-96-9     | 3+4-Methylphenols           | 270   | U         | 270 | 900 | 1100       | ug/Kg |
| 621-64-7       | n-Nitroso-di-n-propylamine  | 130   | U         | 130 | 270 | 270        | ug/Kg |
| 67-72-1        | Hexachloroethane            | 280   | U         | 280 | 430 | 570        | ug/Kg |
| 98-95-3        | Nitrobenzene                | 300   | U         | 300 | 430 | 570        | ug/Kg |
| 78-59-1        | Isophorone                  | 280   | U         | 280 | 430 | 570        | ug/Kg |
| 88-75-5        | 2-Nitrophenol               | 310   | U         | 310 | 430 | 570        | ug/Kg |
| 105-67-9       | 2,4-Dimethylphenol          | 310   | U         | 310 | 430 | 570        | ug/Kg |
| 111-91-1       | bis(2-Chloroethoxy)methane  | 290   | U         | 290 | 430 | 570        | ug/Kg |
| 120-83-2       | 2,4-Dichlorophenol          | 250   | U         | 250 | 430 | 570        | ug/Kg |
| 120-82-1       | 1,2,4-Trichlorobenzene      | 280   | U         | 280 | 430 | 570        | ug/Kg |
| 65-85-0        | Benzoic acid                | 790   | U         | 790 | 900 | 1100       | ug/Kg |
| 91-20-3        | Naphthalene                 | 270   | U         | 270 | 430 | 570        | ug/Kg |
| 106-47-8       | 4-Chloroaniline             | 270   | U         | 270 | 430 | 570        | ug/Kg |
| 87-68-3        | Hexachlorobutadiene         | 280   | U         | 280 | 430 | 570        | ug/Kg |

## Report of Analysis

|                    |              |                 |                        |
|--------------------|--------------|-----------------|------------------------|
| Client:            |              | Date Collected: | 10/16/2024 12:00:00 AM |
| Project:           |              | Date Received:  | 10/16/2024 12:00:00 AM |
| Client Sample ID:  | EO-02-101624 | SDG No.:        | BF101824               |
| Lab Sample ID:     | P4421-01     | Matrix:         | Solid                  |
| Analytical Method: | 8270E        | % Moisture:     | 9.9                    |
| Sample Wt/Vol:     | 50.04        | Units:          | g                      |
| Soil Aliquot Vol:  |              | Final Vol:      | 1000 uL                |
| Extraction Type :  |              | Test:           |                        |
|                    | Decanted :   | Level :         | LOW                    |
| Injection Volume : |              | GPC Factor :    |                        |
|                    |              | GPC Cleanup :   | PH :                   |

|                   |           |                        |                        |               |
|-------------------|-----------|------------------------|------------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date              | Date Analyzed          | Prep Batch ID |
| BF139856.D        | 5         | 10/17/2024 12:00:00 AM | 10/18/2024 12:00:00 AM | PB164208      |

| CAS Number | Parameter                                       | Conc. | Qualifier | MDL  | LOD | LOQ / CRQL | Units |
|------------|-------------------------------------------------|-------|-----------|------|-----|------------|-------|
| 105-60-2   | Caprolactam                                     | 290   | U         | 290  | 900 | 1100       | ug/Kg |
| 59-50-7    | 4-Chloro-3-methylphenol                         | 260   | U         | 260  | 430 | 570        | ug/Kg |
| 91-57-6    | 2-Methylnaphthalene                             | 270   | U         | 270  | 430 | 570        | ug/Kg |
| 77-47-4    | Hexachlorocyclopentadiene                       | 520   | U         | 520  | 900 | 1100       | ug/Kg |
| 88-06-2    | 2,4,6-Trichlorophenol                           | 240   | U         | 240  | 430 | 570        | ug/Kg |
| 95-95-4    | 2,4,5-Trichlorophenol                           | 250   | U         | 250  | 430 | 570        | ug/Kg |
| 92-52-4    | 1,1-Biphenyl                                    | 290   | U         | 290  | 430 | 570        | ug/Kg |
| 91-58-7    | 2-Chloronaphthalene                             | 280   | U         | 280  | 430 | 570        | ug/Kg |
| 88-74-4    | 2-Nitroaniline                                  | 320   | U         | 320  | 430 | 570        | ug/Kg |
| 131-11-3   | Dimethylphthalate                               | 270   | U         | 270  | 430 | 570        | ug/Kg |
| 208-96-8   | Acenaphthylene                                  | 290   | U         | 290  | 430 | 570        | ug/Kg |
| 606-20-2   | 2,6-Dinitrotoluene                              | 280   | U         | 280  | 430 | 570        | ug/Kg |
| 99-09-2    | 3-Nitroaniline                                  | 300   | U         | 300  | 430 | 570        | ug/Kg |
| 83-32-9    | Acenaphthene                                    | 270   | U         | 270  | 430 | 570        | ug/Kg |
| Total PAH  | Total PAH                                       | 4400  | U         | 4400 | 430 | 9120       | ug/Kg |
| 51-28-5    | 2,4-Dinitrophenol                               | 810   | U         | 810  | 900 | 1100       | ug/Kg |
| 100-02-7   | 4-Nitrophenol                                   | 390   | U         | 390  | 900 | 1100       | ug/Kg |
| 132-64-9   | Dibenzofuran                                    | 280   | U         | 280  | 430 | 570        | ug/Kg |
| 25321-14-6 | 2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture) | 570   | U         | 570  | 430 | 1140       | ug/Kg |
| 121-14-2   | 2,4-Dinitrotoluene                              | 290   | U         | 290  | 430 | 570        | ug/Kg |
| 84-66-2    | Diethylphthalate                                | 270   | U         | 270  | 430 | 570        | ug/Kg |
| 7005-72-3  | 4-Chlorophenyl-phenylether                      | 280   | U         | 280  | 430 | 570        | ug/Kg |
| 86-73-7    | Fluorene                                        | 280   | U         | 280  | 430 | 570        | ug/Kg |
| 100-01-6   | 4-Nitroaniline                                  | 360   | U         | 360  | 430 | 570        | ug/Kg |
| 534-52-1   | 4,6-Dinitro-2-methylphenol                      | 390   | U         | 390  | 900 | 1100       | ug/Kg |
| 86-30-6    | n-Nitrosodiphenylamine                          | 270   | U         | 270  | 430 | 570        | ug/Kg |
| 103-33-3   | Azobenzene                                      | 260   | U         | 260  | 430 | 570        | ug/Kg |
| 101-55-3   | 4-Bromophenyl-phenylether                       | 260   | U         | 260  | 430 | 570        | ug/Kg |
| 118-74-1   | Hexachlorobenzene                               | 280   | U         | 280  | 430 | 570        | ug/Kg |
| 1912-24-9  | Atrazine                                        | 300   | U         | 300  | 430 | 570        | ug/Kg |

## Report of Analysis

|                    |                        |                 |                        |
|--------------------|------------------------|-----------------|------------------------|
| Client:            |                        | Date Collected: | 10/16/2024 12:00:00 AM |
| Project:           |                        | Date Received:  | 10/16/2024 12:00:00 AM |
| Client Sample ID:  | EO-02-101624           | SDG No.:        | BF101824               |
| Lab Sample ID:     | P4421-01               | Matrix:         | Solid                  |
| Analytical Method: | 8270E                  | % Moisture:     | 9.9                    |
| Sample Wt/Vol:     | 50.04      Units:    g | Final Vol:      | 1000              uL   |
| Soil Aliquot Vol:  | uL                     | Test:           |                        |
| Extraction Type :  | Decanted :             | Level :         | LOW                    |
| Injection Volume : | GPC Factor :           | GPC Cleanup :   | PH :                   |

|                   |           |                        |                        |               |
|-------------------|-----------|------------------------|------------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date              | Date Analyzed          | Prep Batch ID |
| BF139856.D        | 5         | 10/17/2024 12:00:00 AM | 10/18/2024 12:00:00 AM | PB164208      |

| CAS Number        | Parameter                  | Conc.  | Qualifier | MDL    | LOD | LOQ / CRQL | Units     |
|-------------------|----------------------------|--------|-----------|--------|-----|------------|-----------|
| 87-86-5           | Pentachlorophenol          | 260    | U         | 260    | 900 | 1100       | ug/Kg     |
| 85-01-8           | Phenanthrene               | 550    | J         | 280    | 430 | 570        | ug/Kg     |
| 120-12-7          | Anthracene                 | 280    | U         | 280    | 430 | 570        | ug/Kg     |
| 86-74-8           | Carbazole                  | 270    | U         | 270    | 430 | 570        | ug/Kg     |
| 84-74-2           | Di-n-butylphthalate        | 280    | U         | 280    | 430 | 570        | ug/Kg     |
| 206-44-0          | Fluoranthene               | 1000   |           | 270    | 430 | 570        | ug/Kg     |
| 92-87-5           | Benzidine                  | 540    | U         | 540    | 900 | 1100       | ug/Kg     |
| 129-00-0          | Pyrene                     | 740    |           | 280    | 430 | 570        | ug/Kg     |
| 85-68-7           | Butylbenzylphthalate       | 320    | U         | 320    | 430 | 570        | ug/Kg     |
| 91-94-1           | 3,3-Dichlorobenzidine      | 330    | U         | 330    | 900 | 1100       | ug/Kg     |
| 56-55-3           | Benzo(a)anthracene         | 490    | J         | 270    | 430 | 570        | ug/Kg     |
| 218-01-9          | Chrysene                   | 390    | J         | 260    | 430 | 570        | ug/Kg     |
| 117-81-7          | Bis(2-ethylhexyl)phthalate | 300    | U         | 300    | 430 | 570        | ug/Kg     |
| 117-84-0          | Di-n-octyl phthalate       | 370    | U         | 370    | 900 | 1100       | ug/Kg     |
| 205-99-2          | Benzo(b)fluoranthene       | 580    |           | 270    | 430 | 570        | ug/Kg     |
| 207-08-9          | Benzo(k)fluoranthene       | 270    | U         | 270    | 430 | 570        | ug/Kg     |
| 50-32-8           | Benzo(a)pyrene             | 490    | J         | 310    | 430 | 570        | ug/Kg     |
| 193-39-5          | Indeno(1,2,3-cd)pyrene     | 260    | U         | 260    | 430 | 570        | ug/Kg     |
| 53-70-3           | Dibenzo(a,h)anthracene     | 270    | U         | 270    | 430 | 570        | ug/Kg     |
| 191-24-2          | Benzo(g,h,i)perylene       | 270    | U         | 270    | 430 | 570        | ug/Kg     |
| 95-94-3           | 1,2,4,5-Tetrachlorobenzene | 290    | U         | 290    | 430 | 570        | ug/Kg     |
| 123-91-1          | 1,4-Dioxane                | 370    | U         | 370    | 430 | 570        | ug/Kg     |
| 58-90-2           | 2,3,4,6-Tetrachlorophenol  | 250    | U         | 250    | 430 | 570        | ug/Kg     |
| 90-12-0           | 1-Methylnaphthalene        | 280    | U         | 280    | 570 | 570        | ug/Kg     |
| <b>SURROGATES</b> |                            |        |           |        |     |            |           |
| 367-12-4          | 2-Fluorophenol             | 89.81  |           | 18-112 |     | 60         | SPK: -150 |
| 13127-88-3        | Phenol-d6                  | 81.9   |           | 15-107 |     | 55         | SPK: -150 |
| 4165-60-0         | Nitrobenzene-d5            | 59.43  |           | 18-107 |     | 59         | SPK: -100 |
| 321-60-8          | 2-Fluorobiphenyl           | 74.915 |           | 20-109 |     | 75         | SPK: -100 |

## Report of Analysis

|                    |              |                 |                        |
|--------------------|--------------|-----------------|------------------------|
| Client:            |              | Date Collected: | 10/16/2024 12:00:00 AM |
| Project:           |              | Date Received:  | 10/16/2024 12:00:00 AM |
| Client Sample ID:  | EO-02-101624 | SDG No.:        | BF101824               |
| Lab Sample ID:     | P4421-01     | Matrix:         | Solid                  |
| Analytical Method: | 8270E        | % Moisture:     | 9.9                    |
| Sample Wt/Vol:     | 50.04        | Units:          | g                      |
| Soil Aliquot Vol:  |              | Final Vol:      | 1000 uL                |
| Extraction Type :  |              | Test:           |                        |
|                    | Decanted :   | Level :         | LOW                    |
| Injection Volume : |              | GPC Factor :    |                        |
|                    |              | GPC Cleanup :   | PH :                   |

|                   |           |                        |                        |               |
|-------------------|-----------|------------------------|------------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date              | Date Analyzed          | Prep Batch ID |
| BF139856.D        | 5         | 10/17/2024 12:00:00 AM | 10/18/2024 12:00:00 AM | PB164208      |

| CAS Number                            | Parameter                          | Conc.  | Qualifier | MDL    | LOD | LOQ / CRQL | Units     |
|---------------------------------------|------------------------------------|--------|-----------|--------|-----|------------|-----------|
| 118-79-6                              | 2,4,6-Tribromophenol               | 76.925 |           | 10-116 |     | 51         | SPK: -150 |
| 1718-51-0                             | Terphenyl-d14                      | 54.035 |           | 10-105 |     | 54         | SPK: -100 |
| <b>INTERNAL STANDARDS</b>             |                                    |        |           |        |     |            |           |
| 3855-82-1                             | 1,4-Dichlorobenzene-d4             | 136164 | 6.887     |        |     |            |           |
| 1146-65-2                             | Naphthalene-d8                     | 453580 | 8.169     |        |     |            |           |
| 15067-26-2                            | Acenaphthene-d10                   | 193378 | 9.922     |        |     |            |           |
| 1517-22-2                             | Phenanthrene-d10                   | 336096 | 11.41     |        |     |            |           |
| 1719-03-5                             | Chrysene-d12                       | 296478 | 14.051    |        |     |            |           |
| 1520-96-3                             | Perylene-d12                       | 205321 | 15.527    |        |     |            |           |
| <b>TENTATIVE IDENTIFIED COMPOUNDS</b> |                                    |        |           |        |     |            |           |
| 000994-05-8                           | Butane, 2-methoxy-2-methyl-        | 1400   | J         |        |     | 2.14       |           |
| 005911-04-6                           | Nonane, 3-methyl-                  | 290    | J         |        |     | 8.592      |           |
| 000544-76-3                           | Hexadecane                         | 600    | J         |        |     | 8.763      |           |
| 000629-50-5                           | Tridecane                          | 1300   | J         |        |     | 9.328      |           |
| 000582-16-1                           | Naphthalene, 2,7-dimethyl-         | 430    | J         |        |     | 9.581      |           |
| 019218-94-1                           | Tetradecane, 1-iodo-               | 960    | J         |        |     | 9.645      |           |
| 000629-62-9                           | Pentadecane                        | 1200   | J         |        |     | 9.857      |           |
| 000629-59-4                           | Tetradecane                        | 1100   | J         |        |     | 10.357     |           |
| 013287-21-3                           | Tridecane, 6-methyl-               | 580    | J         |        |     | 10.575     |           |
| 000112-95-8                           | Eicosane                           | 1200   | J         |        |     | 10.828     |           |
| 000593-45-3                           | Octadecane                         | 740    | J         |        |     | 11.275     |           |
| 000638-36-8                           | Hexadecane, 2,6,10,14-tetramethyl- | 380    | J         |        |     | 11.31      |           |
| 000629-94-7                           | Heneicosane                        | 760    | J         |        |     | 11.704     |           |
| 000112-39-0                           | Hexadecanoic acid, methyl ester    | 2400   | J         |        |     | 11.804     |           |
| 000057-10-3                           | n-Hexadecanoic acid                | 1200   | J         |        |     | 11.939     |           |
| 000203-64-5                           | 4H-Cyclopenta[def]phenanthrene     | 320    | J         |        |     | 12.022     |           |
| 000629-78-7                           | Heptadecane                        | 580    | J         |        |     | 12.11      |           |
| 002566-97-4                           | 9,12-Octadecadienoic acid, methyl  | 7500   | J         |        |     | 12.492     |           |
| 000630-01-3                           | Hexacosane                         | 410    | J         |        |     | 13.233     |           |

## Report of Analysis

|                    |              |                 |                        |
|--------------------|--------------|-----------------|------------------------|
| Client:            |              | Date Collected: | 10/16/2024 12:00:00 AM |
| Project:           |              | Date Received:  | 10/16/2024 12:00:00 AM |
| Client Sample ID:  | EO-02-101624 | SDG No.:        | BF101824               |
| Lab Sample ID:     | P4421-01     | Matrix:         | Solid                  |
| Analytical Method: | 8270E        | % Moisture:     | 9.9                    |
| Sample Wt/Vol:     | 50.04        | Units:          | g                      |
| Soil Aliquot Vol:  |              | Final Vol:      | 1000 uL                |
| Extraction Type :  |              | Test:           |                        |
|                    | Decanted :   | Level :         | LOW                    |
| Injection Volume : |              | GPC Factor :    |                        |
|                    |              | GPC Cleanup :   | PH :                   |

|                   |           |                        |                        |               |
|-------------------|-----------|------------------------|------------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date              | Date Analyzed          | Prep Batch ID |
| BF139856.D        | 5         | 10/17/2024 12:00:00 AM | 10/18/2024 12:00:00 AM | PB164208      |

| CAS Number  | Parameter                         | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|-------------|-----------------------------------|-------|-----------|-----|-----|------------|-------|
| 027421-70-1 | 3-(Dimethylamino)propyl isothiocy | 2100  | J         |     |     | 14.957     |       |

## Report of Analysis

|                    |              |                 |                        |
|--------------------|--------------|-----------------|------------------------|
| Client:            |              | Date Collected: | 10/16/2024 12:00:00 AM |
| Project:           |              | Date Received:  | 10/16/2024 12:00:00 AM |
| Client Sample ID:  | EO-01-101624 | SDG No.:        | BF101824               |
| Lab Sample ID:     | P4422-01     | Matrix:         | Solid                  |
| Analytical Method: | 8270E        | % Moisture:     | 5.2                    |
| Sample Wt/Vol:     | 50.06        | Units:          | g                      |
| Soil Aliquot Vol:  |              | Final Vol:      | 1000 uL                |
| Extraction Type :  |              | Test:           |                        |
|                    | Decanted :   | Level :         | LOW                    |
| Injection Volume : |              | GPC Factor :    |                        |
|                    |              | GPC Cleanup :   | PH :                   |

|                   |           |                        |                        |               |
|-------------------|-----------|------------------------|------------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date              | Date Analyzed          | Prep Batch ID |
| BF139857.D        | 2         | 10/17/2024 12:00:00 AM | 10/18/2024 12:00:00 AM | PB164208      |

| CAS Number     | Parameter                   | Conc. | Qualifier | MDL  | LOD | LOQ / CRQL | Units |
|----------------|-----------------------------|-------|-----------|------|-----|------------|-------|
| <b>TARGETS</b> |                             |       |           |      |     |            |       |
| 62-75-9        | n-Nitrosodimethylamine      | 110   | U         | 110  | 340 | 420        | ug/Kg |
| 110-86-1       | Pyridine                    | 100   | U         | 100  | 160 | 210        | ug/Kg |
| 100-52-7       | Benzaldehyde                | 230   | U         | 230  | 340 | 420        | ug/Kg |
| 62-53-3        | Aniline                     | 120   | U         | 120  | 160 | 210        | ug/Kg |
| 108-95-2       | Phenol                      | 100   | U         | 100  | 160 | 210        | ug/Kg |
| 111-44-4       | bis(2-Chloroethyl)ether     | 110   | U         | 110  | 160 | 210        | ug/Kg |
| 95-57-8        | 2-Chlorophenol              | 110   | U         | 110  | 160 | 210        | ug/Kg |
| 95-50-1        | 1,2-Dichlorobenzene         | 110   | U         | 110  | 160 | 210        | ug/Kg |
| 541-73-1       | 1,3-Dichlorobenzene         | 110   | U         | 110  | 160 | 210        | ug/Kg |
| 106-46-7       | 1,4-Dichlorobenzene         | 110   | U         | 110  | 160 | 210        | ug/Kg |
| 100-51-6       | Benzyl Alcohol              | 100   | U         | 100  | 340 | 420        | ug/Kg |
| 95-48-7        | 2-Methylphenol              | 100   | U         | 100  | 160 | 210        | ug/Kg |
| 108-60-1       | 2,2-oxybis(1-Chloropropane) | 110   | U         | 110  | 160 | 210        | ug/Kg |
| 98-86-2        | Acetophenone                | 110   | U         | 110  | 160 | 210        | ug/Kg |
| 65794-96-9     | 3+4-Methylphenols           | 100   | U         | 100  | 340 | 420        | ug/Kg |
| 621-64-7       | n-Nitroso-di-n-propylamine  | 51    | U         | 51   | 100 | 100        | ug/Kg |
| 67-72-1        | Hexachloroethane            | 100   | U         | 100  | 160 | 210        | ug/Kg |
| 98-95-3        | Nitrobenzene                | 110   | U         | 110  | 160 | 210        | ug/Kg |
| 78-59-1        | Isophorone                  | 110   | U         | 110  | 160 | 210        | ug/Kg |
| 88-75-5        | 2-Nitrophenol               | 120   | U         | 120  | 160 | 210        | ug/Kg |
| 105-67-9       | 2,4-Dimethylphenol          | 120   | U         | 120  | 160 | 210        | ug/Kg |
| 111-91-1       | bis(2-Chloroethoxy)methane  | 110   | U         | 110  | 160 | 210        | ug/Kg |
| 120-83-2       | 2,4-Dichlorophenol          | 95.5  | U         | 95.5 | 160 | 210        | ug/Kg |
| 120-82-1       | 1,2,4-Trichlorobenzene      | 110   | U         | 110  | 160 | 210        | ug/Kg |
| 65-85-0        | Benzoic acid                | 300   | U         | 300  | 340 | 420        | ug/Kg |
| 91-20-3        | Naphthalene                 | 100   | U         | 100  | 160 | 210        | ug/Kg |
| 106-47-8       | 4-Chloroaniline             | 100   | U         | 100  | 160 | 210        | ug/Kg |
| 87-68-3        | Hexachlorobutadiene         | 110   | U         | 110  | 160 | 210        | ug/Kg |

## Report of Analysis

|                    |              |                 |                        |
|--------------------|--------------|-----------------|------------------------|
| Client:            |              | Date Collected: | 10/16/2024 12:00:00 AM |
| Project:           |              | Date Received:  | 10/16/2024 12:00:00 AM |
| Client Sample ID:  | EO-01-101624 | SDG No.:        | BF101824               |
| Lab Sample ID:     | P4422-01     | Matrix:         | Solid                  |
| Analytical Method: | 8270E        | % Moisture:     | 5.2                    |
| Sample Wt/Vol:     | 50.06        | Units:          | g                      |
| Soil Aliquot Vol:  |              | Final Vol:      | 1000 uL                |
| Extraction Type :  |              | Test:           |                        |
|                    | Decanted :   | Level :         | LOW                    |
| Injection Volume : |              | GPC Factor :    |                        |
|                    |              | GPC Cleanup :   | PH :                   |

|                   |           |                        |                        |               |
|-------------------|-----------|------------------------|------------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date              | Date Analyzed          | Prep Batch ID |
| BF139857.D        | 2         | 10/17/2024 12:00:00 AM | 10/18/2024 12:00:00 AM | PB164208      |

| CAS Number | Parameter                                       | Conc.  | Qualifier | MDL    | LOD | LOQ / CRQL | Units |
|------------|-------------------------------------------------|--------|-----------|--------|-----|------------|-------|
| 105-60-2   | Caprolactam                                     | 110    | U         | 110    | 340 | 420        | ug/Kg |
| 59-50-7    | 4-Chloro-3-methylphenol                         | 98     | U         | 98     | 160 | 210        | ug/Kg |
| 91-57-6    | 2-Methylnaphthalene                             | 100    | U         | 100    | 160 | 210        | ug/Kg |
| 77-47-4    | Hexachlorocyclopentadiene                       | 200    | U         | 200    | 340 | 420        | ug/Kg |
| 88-06-2    | 2,4,6-Trichlorophenol                           | 90.3   | U         | 90.3   | 160 | 210        | ug/Kg |
| 95-95-4    | 2,4,5-Trichlorophenol                           | 93.6   | U         | 93.6   | 160 | 210        | ug/Kg |
| 92-52-4    | 1,1-Biphenyl                                    | 110    | U         | 110    | 160 | 210        | ug/Kg |
| 91-58-7    | 2-Chloronaphthalene                             | 110    | U         | 110    | 160 | 210        | ug/Kg |
| 88-74-4    | 2-Nitroaniline                                  | 120    | U         | 120    | 160 | 210        | ug/Kg |
| 131-11-3   | Dimethylphthalate                               | 100    | U         | 100    | 160 | 210        | ug/Kg |
| 208-96-8   | Acenaphthylene                                  | 110    | U         | 110    | 160 | 210        | ug/Kg |
| 606-20-2   | 2,6-Dinitrotoluene                              | 110    | U         | 110    | 160 | 210        | ug/Kg |
| 99-09-2    | 3-Nitroaniline                                  | 110    | U         | 110    | 160 | 210        | ug/Kg |
| 83-32-9    | Acenaphthene                                    | 100    | U         | 100    | 160 | 210        | ug/Kg |
| Total PAH  | Total PAH                                       | 1658.7 | U         | 1658.7 | 160 | 3360       | ug/Kg |
| 51-28-5    | 2,4-Dinitrophenol                               | 310    | U         | 310    | 340 | 420        | ug/Kg |
| 100-02-7   | 4-Nitrophenol                                   | 150    | U         | 150    | 340 | 420        | ug/Kg |
| 132-64-9   | Dibenzofuran                                    | 110    | U         | 110    | 160 | 210        | ug/Kg |
| 121-14-2   | 2,4-Dinitrotoluene                              | 110    | U         | 110    | 160 | 210        | ug/Kg |
| 25321-14-6 | 2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture) | 220    | U         | 220    | 160 | 420        | ug/Kg |
| 84-66-2    | Diethylphthalate                                | 100    | U         | 100    | 160 | 210        | ug/Kg |
| 7005-72-3  | 4-Chlorophenyl-phenylether                      | 110    | U         | 110    | 160 | 210        | ug/Kg |
| 86-73-7    | Fluorene                                        | 110    | U         | 110    | 160 | 210        | ug/Kg |
| 100-01-6   | 4-Nitroaniline                                  | 140    | U         | 140    | 160 | 210        | ug/Kg |
| 534-52-1   | 4,6-Dinitro-2-methylphenol                      | 150    | U         | 150    | 340 | 420        | ug/Kg |
| 86-30-6    | n-Nitrosodiphenylamine                          | 100    | U         | 100    | 160 | 210        | ug/Kg |
| 103-33-3   | Azobenzene                                      | 100    | U         | 100    | 160 | 210        | ug/Kg |
| 101-55-3   | 4-Bromophenyl-phenylether                       | 99.8   | U         | 99.8   | 160 | 210        | ug/Kg |
| 118-74-1   | Hexachlorobenzene                               | 110    | U         | 110    | 160 | 210        | ug/Kg |
| 1912-24-9  | Atrazine                                        | 120    | U         | 120    | 160 | 210        | ug/Kg |

## Report of Analysis

|                    |              |                 |                        |
|--------------------|--------------|-----------------|------------------------|
| Client:            |              | Date Collected: | 10/16/2024 12:00:00 AM |
| Project:           |              | Date Received:  | 10/16/2024 12:00:00 AM |
| Client Sample ID:  | EO-01-101624 | SDG No.:        | BF101824               |
| Lab Sample ID:     | P4422-01     | Matrix:         | Solid                  |
| Analytical Method: | 8270E        | % Moisture:     | 5.2                    |
| Sample Wt/Vol:     | 50.06        | Units:          | g                      |
| Soil Aliquot Vol:  |              | Final Vol:      | 1000 uL                |
| Extraction Type :  |              | Test:           |                        |
|                    | Decanted :   | Level :         | LOW                    |
| Injection Volume : |              | GPC Factor :    |                        |
|                    |              | GPC Cleanup :   | PH :                   |

|                   |           |                        |                        |               |
|-------------------|-----------|------------------------|------------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date              | Date Analyzed          | Prep Batch ID |
| BF139857.D        | 2         | 10/17/2024 12:00:00 AM | 10/18/2024 12:00:00 AM | PB164208      |

| CAS Number        | Parameter                  | Conc.  | Qualifier | MDL    | LOD | LOQ / CRQL | Units     |
|-------------------|----------------------------|--------|-----------|--------|-----|------------|-----------|
| 87-86-5           | Pentachlorophenol          | 97.7   | U         | 97.7   | 340 | 420        | ug/Kg     |
| 85-01-8           | Phenanthrene               | 110    | U         | 110    | 160 | 210        | ug/Kg     |
| 120-12-7          | Anthracene                 | 110    | U         | 110    | 160 | 210        | ug/Kg     |
| 86-74-8           | Carbazole                  | 100    | U         | 100    | 160 | 210        | ug/Kg     |
| 84-74-2           | Di-n-butylphthalate        | 110    | U         | 110    | 160 | 210        | ug/Kg     |
| 206-44-0          | Fluoranthene               | 100    | U         | 100    | 160 | 210        | ug/Kg     |
| 92-87-5           | Benzidine                  | 210    | U         | 210    | 340 | 420        | ug/Kg     |
| 129-00-0          | Pyrene                     | 100    | U         | 100    | 160 | 210        | ug/Kg     |
| 85-68-7           | Butylbenzylphthalate       | 120    | U         | 120    | 160 | 210        | ug/Kg     |
| 91-94-1           | 3,3-Dichlorobenzidine      | 120    | U         | 120    | 340 | 420        | ug/Kg     |
| 56-55-3           | Benzo(a)anthracene         | 100    | U         | 100    | 160 | 210        | ug/Kg     |
| 218-01-9          | Chrysene                   | 100    | U         | 100    | 160 | 210        | ug/Kg     |
| 117-81-7          | Bis(2-ethylhexyl)phthalate | 120    | U         | 120    | 160 | 210        | ug/Kg     |
| 117-84-0          | Di-n-octyl phthalate       | 140    | U         | 140    | 340 | 420        | ug/Kg     |
| 205-99-2          | Benzo(b)fluoranthene       | 100    | U         | 100    | 160 | 210        | ug/Kg     |
| 207-08-9          | Benzo(k)fluoranthene       | 100    | U         | 100    | 160 | 210        | ug/Kg     |
| 50-32-8           | Benzo(a)pyrene             | 120    | U         | 120    | 160 | 210        | ug/Kg     |
| 193-39-5          | Indeno(1,2,3-cd)pyrene     | 98.7   | U         | 98.7   | 160 | 210        | ug/Kg     |
| 53-70-3           | Dibenzo(a,h)anthracene     | 100    | U         | 100    | 160 | 210        | ug/Kg     |
| 191-24-2          | Benzo(g,h,i)perylene       | 100    | U         | 100    | 160 | 210        | ug/Kg     |
| 95-94-3           | 1,2,4,5-Tetrachlorobenzene | 110    | U         | 110    | 160 | 210        | ug/Kg     |
| 123-91-1          | 1,4-Dioxane                | 140    | U         | 140    | 160 | 210        | ug/Kg     |
| 58-90-2           | 2,3,4,6-Tetrachlorophenol  | 94.4   | U         | 94.4   | 160 | 210        | ug/Kg     |
| 90-12-0           | 1-Methylnaphthalene        | 110    | U         | 110    | 210 | 210        | ug/Kg     |
| <b>SURROGATES</b> |                            |        |           |        |     |            |           |
| 367-12-4          | 2-Fluorophenol             | 52.706 |           | 18-112 |     | 35         | SPK: -150 |
| 13127-88-3        | Phenol-d6                  | 47.222 |           | 15-107 |     | 31         | SPK: -150 |
| 4165-60-0         | Nitrobenzene-d5            | 36.474 |           | 18-107 |     | 36         | SPK: -100 |
| 321-60-8          | 2-Fluorobiphenyl           | 39.62  |           | 20-109 |     | 40         | SPK: -100 |



## Report of Analysis

|                    |              |                 |                        |
|--------------------|--------------|-----------------|------------------------|
| Client:            |              | Date Collected: | 10/16/2024 12:00:00 AM |
| Project:           |              | Date Received:  | 10/16/2024 12:00:00 AM |
| Client Sample ID:  | EO-01-101624 | SDG No.:        | BF101824               |
| Lab Sample ID:     | P4422-01     | Matrix:         | Solid                  |
| Analytical Method: | 8270E        | % Moisture:     | 5.2                    |
| Sample Wt/Vol:     | 50.06        | Units:          | g                      |
| Soil Aliquot Vol:  |              | Final Vol:      | 1000 uL                |
| Extraction Type :  |              | Test:           |                        |
|                    | Decanted :   | Level :         | LOW                    |
| Injection Volume : |              | GPC Factor :    |                        |
|                    |              | GPC Cleanup :   | PH :                   |

|                   |           |                        |                        |               |
|-------------------|-----------|------------------------|------------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date              | Date Analyzed          | Prep Batch ID |
| BF139857.D        | 2         | 10/17/2024 12:00:00 AM | 10/18/2024 12:00:00 AM | PB164208      |

| CAS Number                            | Parameter                          | Conc.  | Qualifier | MDL    | LOD | LOQ / CRQL | Units     |
|---------------------------------------|------------------------------------|--------|-----------|--------|-----|------------|-----------|
| 118-79-6                              | 2,4,6-Tribromophenol               | 53.278 |           | 10-116 |     | 36         | SPK: -150 |
| 1718-51-0                             | Terphenyl-d14                      | 35.63  |           | 10-105 |     | 36         | SPK: -100 |
| <b>INTERNAL STANDARDS</b>             |                                    |        |           |        |     |            |           |
| 3855-82-1                             | 1,4-Dichlorobenzene-d4             | 161030 | 6.892     |        |     |            |           |
| 1146-65-2                             | Naphthalene-d8                     | 525477 | 8.169     |        |     |            |           |
| 15067-26-2                            | Acenaphthene-d10                   | 254286 | 9.922     |        |     |            |           |
| 1517-22-2                             | Phenanthrene-d10                   | 495248 | 11.41     |        |     |            |           |
| 1719-03-5                             | Chrysene-d12                       | 364844 | 14.051    |        |     |            |           |
| 1520-96-3                             | Perylene-d12                       | 270216 | 15.527    |        |     |            |           |
| <b>TENTATIVE IDENTIFIED COMPOUNDS</b> |                                    |        |           |        |     |            |           |
| 000994-05-8                           | Butane, 2-methoxy-2-methyl-        | 900    | J         |        |     | 2.152      |           |
| 1000382-90-9                          | Carbonic acid, prop-1-en-2-yl tetr | 110    | J         |        |     | 9.328      |           |
| 080655-44-3                           | Decahydro-1,1,4a,5,6-pentamethylna | 120    | J         |        |     | 9.639      |           |
| 000629-92-5                           | Nonadecane                         | 110    | J         |        |     | 9.851      |           |
| 000629-50-5                           | Tridecane                          | 130    | J         |        |     | 10.833     |           |
| 000057-10-3                           | n-Hexadecanoic acid                | 180    | J         |        |     | 11.933     |           |
| 000112-63-0                           | 9,12-Octadecadienoic acid (Z,Z)-,  | 330    | J         |        |     | 12.492     |           |
| 013126-39-1                           | cis-13-Octadecenoic acid           | 510    | J         |        |     | 12.645     |           |
| 000057-11-4                           | Octadecanoic acid                  | 96.5   | J         |        |     | 12.721     |           |
| 1000351-81-5                          | Tetratriacontyl pentafluoropropion | 87.2   | J         |        |     | 13.898     |           |

## Report of Analysis

|                    |            |                 |                        |
|--------------------|------------|-----------------|------------------------|
| Client:            |            | Date Collected: | 10/16/2024 12:00:00 AM |
| Project:           |            | Date Received:  | 10/16/2024 12:00:00 AM |
| Client Sample ID:  | TP-1       | SDG No.:        | BF101824               |
| Lab Sample ID:     | P4425-01   | Matrix:         | Solid                  |
| Analytical Method: | 8270E      | % Moisture:     | 10.3                   |
| Sample Wt/Vol:     | 50.01      | Units:          | g                      |
| Soil Aliquot Vol:  |            | Final Vol:      | 1000 uL                |
| Extraction Type :  |            | Test:           |                        |
|                    | Decanted : | Level :         | LOW                    |
| Injection Volume : |            | GPC Factor :    |                        |
|                    |            | GPC Cleanup :   | PH :                   |

|                   |           |                        |                        |               |
|-------------------|-----------|------------------------|------------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date              | Date Analyzed          | Prep Batch ID |
| BF139858.D        | 1         | 10/17/2024 12:00:00 AM | 10/18/2024 12:00:00 AM | PB164208      |

| CAS Number     | Parameter                   | Conc. | Qualifier | MDL  | LOD  | LOQ / CRQL | Units |
|----------------|-----------------------------|-------|-----------|------|------|------------|-------|
| <b>TARGETS</b> |                             |       |           |      |      |            |       |
| 62-75-9        | n-Nitrosodimethylamine      | 58    | U         | 58   | 180  | 220        | ug/Kg |
| 110-86-1       | Pyridine                    | 53.4  | U         | 53.4 | 86.9 | 110        | ug/Kg |
| 100-52-7       | Benzaldehyde                | 120   | U         | 120  | 180  | 220        | ug/Kg |
| 62-53-3        | Aniline                     | 64.8  | U         | 64.8 | 86.9 | 110        | ug/Kg |
| 108-95-2       | Phenol                      | 55.4  | U         | 55.4 | 86.9 | 110        | ug/Kg |
| 111-44-4       | bis(2-Chloroethyl)ether     | 56    | U         | 56   | 86.9 | 110        | ug/Kg |
| 95-57-8        | 2-Chlorophenol              | 55.8  | U         | 55.8 | 86.9 | 110        | ug/Kg |
| 95-50-1        | 1,2-Dichlorobenzene         | 56.6  | U         | 56.6 | 86.9 | 110        | ug/Kg |
| 541-73-1       | 1,3-Dichlorobenzene         | 57.5  | U         | 57.5 | 86.9 | 110        | ug/Kg |
| 106-46-7       | 1,4-Dichlorobenzene         | 57.8  | U         | 57.8 | 86.9 | 110        | ug/Kg |
| 100-51-6       | Benzyl Alcohol              | 55.5  | U         | 55.5 | 180  | 220        | ug/Kg |
| 95-48-7        | 2-Methylphenol              | 53.9  | U         | 53.9 | 86.9 | 110        | ug/Kg |
| 108-60-1       | 2,2-oxybis(1-Chloropropane) | 60.8  | U         | 60.8 | 86.9 | 110        | ug/Kg |
| 98-86-2        | Acetophenone                | 58.1  | U         | 58.1 | 86.9 | 110        | ug/Kg |
| 65794-96-9     | 3+4-Methylphenols           | 53.4  | U         | 53.4 | 180  | 220        | ug/Kg |
| 621-64-7       | n-Nitroso-di-n-propylamine  | 27    | U         | 27   | 53.5 | 53.5       | ug/Kg |
| 67-72-1        | Hexachloroethane            | 55.5  | U         | 55.5 | 86.9 | 110        | ug/Kg |
| 98-95-3        | Nitrobenzene                | 60.7  | U         | 60.7 | 86.9 | 110        | ug/Kg |
| 78-59-1        | Isophorone                  | 56.6  | U         | 56.6 | 86.9 | 110        | ug/Kg |
| 88-75-5        | 2-Nitrophenol               | 63.2  | U         | 63.2 | 86.9 | 110        | ug/Kg |
| 105-67-9       | 2,4-Dimethylphenol          | 62.3  | U         | 62.3 | 86.9 | 110        | ug/Kg |
| 111-91-1       | bis(2-Chloroethoxy)methane  | 57.4  | U         | 57.4 | 86.9 | 110        | ug/Kg |
| 120-83-2       | 2,4-Dichlorophenol          | 50.5  | U         | 50.5 | 86.9 | 110        | ug/Kg |
| 120-82-1       | 1,2,4-Trichlorobenzene      | 57.1  | U         | 57.1 | 86.9 | 110        | ug/Kg |
| 65-85-0        | Benzoic acid                | 160   | U         | 160  | 180  | 220        | ug/Kg |
| 91-20-3        | Naphthalene                 | 55.2  | U         | 55.2 | 86.9 | 110        | ug/Kg |
| 106-47-8       | 4-Chloroaniline             | 55.2  | U         | 55.2 | 86.9 | 110        | ug/Kg |
| 87-68-3        | Hexachlorobutadiene         | 55.7  | U         | 55.7 | 86.9 | 110        | ug/Kg |

## Report of Analysis

|                    |            |                 |                        |
|--------------------|------------|-----------------|------------------------|
| Client:            |            | Date Collected: | 10/16/2024 12:00:00 AM |
| Project:           |            | Date Received:  | 10/16/2024 12:00:00 AM |
| Client Sample ID:  | TP-1       | SDG No.:        | BF101824               |
| Lab Sample ID:     | P4425-01   | Matrix:         | Solid                  |
| Analytical Method: | 8270E      | % Moisture:     | 10.3                   |
| Sample Wt/Vol:     | 50.01      | Units:          | g                      |
| Soil Aliquot Vol:  |            | Final Vol:      | 1000 uL                |
| Extraction Type :  |            | Test:           |                        |
|                    | Decanted : | Level :         | LOW                    |
| Injection Volume : |            | GPC Factor :    |                        |
|                    |            | GPC Cleanup :   | PH :                   |

|                   |           |                        |                        |               |
|-------------------|-----------|------------------------|------------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date              | Date Analyzed          | Prep Batch ID |
| BF139858.D        | 1         | 10/17/2024 12:00:00 AM | 10/18/2024 12:00:00 AM | PB164208      |

| CAS Number | Parameter                                       | Conc. | Qualifier | MDL   | LOD  | LOQ / CRQL | Units |
|------------|-------------------------------------------------|-------|-----------|-------|------|------------|-------|
| 105-60-2   | Caprolactam                                     | 58    | U         | 58    | 180  | 220        | ug/Kg |
| 59-50-7    | 4-Chloro-3-methylphenol                         | 51.8  | U         | 51.8  | 86.9 | 110        | ug/Kg |
| 91-57-6    | 2-Methylnaphthalene                             | 55.2  | U         | 55.2  | 86.9 | 110        | ug/Kg |
| 77-47-4    | Hexachlorocyclopentadiene                       | 100   | U         | 100   | 180  | 220        | ug/Kg |
| 88-06-2    | 2,4,6-Trichlorophenol                           | 47.7  | U         | 47.7  | 86.9 | 110        | ug/Kg |
| 95-95-4    | 2,4,5-Trichlorophenol                           | 49.5  | U         | 49.5  | 86.9 | 110        | ug/Kg |
| 92-52-4    | 1,1-Biphenyl                                    | 58.4  | U         | 58.4  | 86.9 | 110        | ug/Kg |
| 91-58-7    | 2-Chloronaphthalene                             | 55.7  | U         | 55.7  | 86.9 | 110        | ug/Kg |
| 88-74-4    | 2-Nitroaniline                                  | 63.5  | U         | 63.5  | 86.9 | 110        | ug/Kg |
| 131-11-3   | Dimethylphthalate                               | 54.6  | U         | 54.6  | 86.9 | 110        | ug/Kg |
| 208-96-8   | Acenaphthylene                                  | 57.8  | U         | 57.8  | 86.9 | 110        | ug/Kg |
| 606-20-2   | 2,6-Dinitrotoluene                              | 55.6  | U         | 55.6  | 86.9 | 110        | ug/Kg |
| 99-09-2    | 3-Nitroaniline                                  | 59.7  | U         | 59.7  | 86.9 | 110        | ug/Kg |
| 83-32-9    | Acenaphthene                                    | 54.2  | U         | 54.2  | 86.9 | 110        | ug/Kg |
| Total PAH  | Total PAH                                       | 886   | U         | 886   | 86.9 | 1760       | ug/Kg |
| 51-28-5    | 2,4-Dinitrophenol                               | 160   | U         | 160   | 180  | 220        | ug/Kg |
| 100-02-7   | 4-Nitrophenol                                   | 77.6  | U         | 77.6  | 180  | 220        | ug/Kg |
| 132-64-9   | Dibenzofuran                                    | 56.4  | U         | 56.4  | 86.9 | 110        | ug/Kg |
| 25321-14-6 | 2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture) | 113.2 | U         | 113.2 | 86.9 | 220        | ug/Kg |
| 121-14-2   | 2,4-Dinitrotoluene                              | 57.6  | U         | 57.6  | 86.9 | 110        | ug/Kg |
| 84-66-2    | Diethylphthalate                                | 53.6  | U         | 53.6  | 86.9 | 110        | ug/Kg |
| 7005-72-3  | 4-Chlorophenyl-phenylether                      | 57.2  | U         | 57.2  | 86.9 | 110        | ug/Kg |
| 86-73-7    | Fluorene                                        | 57.2  | U         | 57.2  | 86.9 | 110        | ug/Kg |
| 100-01-6   | 4-Nitroaniline                                  | 71.6  | U         | 71.6  | 86.9 | 110        | ug/Kg |
| 534-52-1   | 4,6-Dinitro-2-methylphenol                      | 78.2  | U         | 78.2  | 180  | 220        | ug/Kg |
| 86-30-6    | n-Nitrosodiphenylamine                          | 54.6  | U         | 54.6  | 86.9 | 110        | ug/Kg |
| 103-33-3   | Azobenzene                                      | 53.2  | U         | 53.2  | 86.9 | 110        | ug/Kg |
| 101-55-3   | 4-Bromophenyl-phenylether                       | 52.8  | U         | 52.8  | 86.9 | 110        | ug/Kg |
| 118-74-1   | Hexachlorobenzene                               | 56.8  | U         | 56.8  | 86.9 | 110        | ug/Kg |
| 1912-24-9  | Atrazine                                        | 61.1  | U         | 61.1  | 86.9 | 110        | ug/Kg |

## Report of Analysis

|                    |            |                 |                        |
|--------------------|------------|-----------------|------------------------|
| Client:            |            | Date Collected: | 10/16/2024 12:00:00 AM |
| Project:           |            | Date Received:  | 10/16/2024 12:00:00 AM |
| Client Sample ID:  | TP-1       | SDG No.:        | BF101824               |
| Lab Sample ID:     | P4425-01   | Matrix:         | Solid                  |
| Analytical Method: | 8270E      | % Moisture:     | 10.3                   |
| Sample Wt/Vol:     | 50.01      | Units:          | g                      |
| Soil Aliquot Vol:  |            | Final Vol:      | 1000 uL                |
| Extraction Type :  |            | Test:           |                        |
|                    | Decanted : | Level :         | LOW                    |
| Injection Volume : |            | GPC Factor :    |                        |
|                    |            | GPC Cleanup :   | PH :                   |

|                   |           |                        |                        |               |
|-------------------|-----------|------------------------|------------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date              | Date Analyzed          | Prep Batch ID |
| BF139858.D        | 1         | 10/17/2024 12:00:00 AM | 10/18/2024 12:00:00 AM | PB164208      |

| CAS Number        | Parameter                  | Conc.  | Qualifier | MDL    | LOD  | LOQ / CRQL | Units     |
|-------------------|----------------------------|--------|-----------|--------|------|------------|-----------|
| 87-86-5           | Pentachlorophenol          | 51.7   | U         | 51.7   | 180  | 220        | ug/Kg     |
| 85-01-8           | Phenanthrene               | 56.2   | U         | 56.2   | 86.9 | 110        | ug/Kg     |
| 120-12-7          | Anthracene                 | 56.4   | U         | 56.4   | 86.9 | 110        | ug/Kg     |
| 86-74-8           | Carbazole                  | 53.7   | U         | 53.7   | 86.9 | 110        | ug/Kg     |
| 84-74-2           | Di-n-butylphthalate        | 56.4   | U         | 56.4   | 86.9 | 110        | ug/Kg     |
| 206-44-0          | Fluoranthene               | 54.6   | U         | 54.6   | 86.9 | 110        | ug/Kg     |
| 92-87-5           | Benzidine                  | 110    | U         | 110    | 180  | 220        | ug/Kg     |
| 129-00-0          | Pyrene                     | 55.5   | U         | 55.5   | 86.9 | 110        | ug/Kg     |
| 85-68-7           | Butylbenzylphthalate       | 64.7   | U         | 64.7   | 86.9 | 110        | ug/Kg     |
| 91-94-1           | 3,3-Dichlorobenzidine      | 65.9   | U         | 65.9   | 180  | 220        | ug/Kg     |
| 56-55-3           | Benzo(a)anthracene         | 54     | U         | 54     | 86.9 | 110        | ug/Kg     |
| 218-01-9          | Chrysene                   | 53.2   | U         | 53.2   | 86.9 | 110        | ug/Kg     |
| 117-81-7          | Bis(2-ethylhexyl)phthalate | 60.9   | U         | 60.9   | 86.9 | 110        | ug/Kg     |
| 117-84-0          | Di-n-octyl phthalate       | 73.6   | U         | 73.6   | 180  | 220        | ug/Kg     |
| 205-99-2          | Benzo(b)fluoranthene       | 54.2   | U         | 54.2   | 86.9 | 110        | ug/Kg     |
| 207-08-9          | Benzo(k)fluoranthene       | 55.2   | U         | 55.2   | 86.9 | 110        | ug/Kg     |
| 50-32-8           | Benzo(a)pyrene             | 62.2   | U         | 62.2   | 86.9 | 110        | ug/Kg     |
| 193-39-5          | Indeno(1,2,3-cd)pyrene     | 52.2   | U         | 52.2   | 86.9 | 110        | ug/Kg     |
| 53-70-3           | Dibenzo(a,h)anthracene     | 54.3   | U         | 54.3   | 86.9 | 110        | ug/Kg     |
| 191-24-2          | Benzo(g,h,i)perylene       | 53.6   | U         | 53.6   | 86.9 | 110        | ug/Kg     |
| 95-94-3           | 1,2,4,5-Tetrachlorobenzene | 58     | U         | 58     | 86.9 | 110        | ug/Kg     |
| 123-91-1          | 1,4-Dioxane                | 73.6   | U         | 73.6   | 86.9 | 110        | ug/Kg     |
| 58-90-2           | 2,3,4,6-Tetrachlorophenol  | 50     | U         | 50     | 86.9 | 110        | ug/Kg     |
| 90-12-0           | 1-Methylnaphthalene        | 55.6   | U         | 55.6   | 110  | 110        | ug/Kg     |
| <b>SURROGATES</b> |                            |        |           |        |      |            |           |
| 367-12-4          | 2-Fluorophenol             | 49.35  |           | 18-112 |      | 33         | SPK: -150 |
| 13127-88-3        | Phenol-d6                  | 45.299 |           | 15-107 |      | 30         | SPK: -150 |
| 4165-60-0         | Nitrobenzene-d5            | 34.214 |           | 18-107 |      | 34         | SPK: -100 |
| 321-60-8          | 2-Fluorobiphenyl           | 34.395 |           | 20-109 |      | 34         | SPK: -100 |

## Report of Analysis

|                    |            |                 |                        |
|--------------------|------------|-----------------|------------------------|
| Client:            |            | Date Collected: | 10/16/2024 12:00:00 AM |
| Project:           |            | Date Received:  | 10/16/2024 12:00:00 AM |
| Client Sample ID:  | TP-1       | SDG No.:        | BF101824               |
| Lab Sample ID:     | P4425-01   | Matrix:         | Solid                  |
| Analytical Method: | 8270E      | % Moisture:     | 10.3                   |
| Sample Wt/Vol:     | 50.01      | Units:          | g                      |
| Soil Aliquot Vol:  |            | Final Vol:      | 1000 uL                |
| Extraction Type :  |            | Test:           |                        |
|                    | Decanted : | Level :         | LOW                    |
| Injection Volume : |            | GPC Factor :    |                        |
|                    |            | GPC Cleanup :   | PH :                   |

|                   |           |                        |                        |               |
|-------------------|-----------|------------------------|------------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date              | Date Analyzed          | Prep Batch ID |
| BF139858.D        | 1         | 10/17/2024 12:00:00 AM | 10/18/2024 12:00:00 AM | PB164208      |

| CAS Number                            | Parameter                        | Conc.  | Qualifier | MDL    | LOD | LOQ / CRQL | Units     |
|---------------------------------------|----------------------------------|--------|-----------|--------|-----|------------|-----------|
| 118-79-6                              | 2,4,6-Tribromophenol             | 46.331 |           | 10-116 |     | 31         | SPK: -150 |
| 1718-51-0                             | Terphenyl-d14                    | 28.381 |           | 10-105 |     | 28         | SPK: -100 |
| <b>INTERNAL STANDARDS</b>             |                                  |        |           |        |     |            |           |
| 3855-82-1                             | 1,4-Dichlorobenzene-d4           | 129709 | 6.893     |        |     |            |           |
| 1146-65-2                             | Naphthalene-d8                   | 424274 | 8.169     |        |     |            |           |
| 15067-26-2                            | Acenaphthene-d10                 | 192178 | 9.922     |        |     |            |           |
| 1517-22-2                             | Phenanthrene-d10                 | 361850 | 11.41     |        |     |            |           |
| 1719-03-5                             | Chrysene-d12                     | 285915 | 14.045    |        |     |            |           |
| 1520-96-3                             | Perylene-d12                     | 199270 | 15.527    |        |     |            |           |
| <b>TENTATIVE IDENTIFIED COMPOUNDS</b> |                                  |        |           |        |     |            |           |
| 000994-05-8                           | Butane, 2-methoxy-2-methyl-      | 1400   | J         |        |     | 2.163      |           |
| 000123-42-2                           | 2-Pentanone, 4-hydroxy-4-methyl- | 55.3   | A         |        |     | 5.099      |           |
| 000119-61-9                           | Benzophenone                     | 130    | J         |        |     | 10.634     |           |
| 000057-10-3                           | n-Hexadecanoic acid              | 53.7   | J         |        |     | 11.933     |           |
| 000295-48-7                           | Cyclopentadecane                 | 110    | J         |        |     | 13.892     |           |

## Report of Analysis

|                    |            |                 |                        |
|--------------------|------------|-----------------|------------------------|
| Client:            |            | Date Collected: | 10/16/2024 12:00:00 AM |
| Project:           |            | Date Received:  | 10/16/2024 12:00:00 AM |
| Client Sample ID:  | TP-2       | SDG No.:        | BF101824               |
| Lab Sample ID:     | P4425-03   | Matrix:         | Solid                  |
| Analytical Method: | 8270E      | % Moisture:     | 9.1                    |
| Sample Wt/Vol:     | 50.04      | Units:          | g                      |
| Soil Aliquot Vol:  |            | Final Vol:      | 1000 uL                |
| Extraction Type :  |            | Test:           |                        |
|                    | Decanted : | Level :         | LOW                    |
| Injection Volume : |            | GPC Factor :    |                        |
|                    |            | GPC Cleanup :   | PH :                   |

|                   |           |                        |                        |               |
|-------------------|-----------|------------------------|------------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date              | Date Analyzed          | Prep Batch ID |
| BF139859.D        | 1         | 10/17/2024 12:00:00 AM | 10/18/2024 12:00:00 AM | PB164208      |

| CAS Number     | Parameter                   | Conc. | Qualifier | MDL  | LOD  | LOQ / CRQL | Units |
|----------------|-----------------------------|-------|-----------|------|------|------------|-------|
| <b>TARGETS</b> |                             |       |           |      |      |            |       |
| 62-75-9        | n-Nitrosodimethylamine      | 57.2  | U         | 57.2 | 180  | 220        | ug/Kg |
| 110-86-1       | Pyridine                    | 52.7  | U         | 52.7 | 85.7 | 110        | ug/Kg |
| 100-52-7       | Benzaldehyde                | 120   | U         | 120  | 180  | 220        | ug/Kg |
| 62-53-3        | Aniline                     | 63.9  | U         | 63.9 | 85.7 | 110        | ug/Kg |
| 108-95-2       | Phenol                      | 54.7  | U         | 54.7 | 85.7 | 110        | ug/Kg |
| 111-44-4       | bis(2-Chloroethyl)ether     | 55.2  | U         | 55.2 | 85.7 | 110        | ug/Kg |
| 95-57-8        | 2-Chlorophenol              | 55.1  | U         | 55.1 | 85.7 | 110        | ug/Kg |
| 95-50-1        | 1,2-Dichlorobenzene         | 55.8  | U         | 55.8 | 85.7 | 110        | ug/Kg |
| 541-73-1       | 1,3-Dichlorobenzene         | 56.7  | U         | 56.7 | 85.7 | 110        | ug/Kg |
| 106-46-7       | 1,4-Dichlorobenzene         | 57.1  | U         | 57.1 | 85.7 | 110        | ug/Kg |
| 100-51-6       | Benzyl Alcohol              | 54.7  | U         | 54.7 | 180  | 220        | ug/Kg |
| 95-48-7        | 2-Methylphenol              | 53.2  | U         | 53.2 | 85.7 | 110        | ug/Kg |
| 108-60-1       | 2,2-oxybis(1-Chloropropane) | 60    | U         | 60   | 85.7 | 110        | ug/Kg |
| 98-86-2        | Acetophenone                | 57.3  | U         | 57.3 | 85.7 | 110        | ug/Kg |
| 65794-96-9     | 3+4-Methylphenols           | 52.6  | U         | 52.6 | 180  | 220        | ug/Kg |
| 621-64-7       | n-Nitroso-di-n-propylamine  | 26.6  | U         | 26.6 | 52.8 | 52.8       | ug/Kg |
| 67-72-1        | Hexachloroethane            | 54.7  | U         | 54.7 | 85.7 | 110        | ug/Kg |
| 98-95-3        | Nitrobenzene                | 59.9  | U         | 59.9 | 85.7 | 110        | ug/Kg |
| 78-59-1        | Isophorone                  | 55.8  | U         | 55.8 | 85.7 | 110        | ug/Kg |
| 88-75-5        | 2-Nitrophenol               | 62.3  | U         | 62.3 | 85.7 | 110        | ug/Kg |
| 105-67-9       | 2,4-Dimethylphenol          | 61.5  | U         | 61.5 | 85.7 | 110        | ug/Kg |
| 111-91-1       | bis(2-Chloroethoxy)methane  | 56.6  | U         | 56.6 | 85.7 | 110        | ug/Kg |
| 120-83-2       | 2,4-Dichlorophenol          | 49.8  | U         | 49.8 | 85.7 | 110        | ug/Kg |
| 120-82-1       | 1,2,4-Trichlorobenzene      | 56.3  | U         | 56.3 | 85.7 | 110        | ug/Kg |
| 65-85-0        | Benzoic acid                | 160   | U         | 160  | 180  | 220        | ug/Kg |
| 91-20-3        | Naphthalene                 | 54.5  | U         | 54.5 | 85.7 | 110        | ug/Kg |
| 106-47-8       | 4-Chloroaniline             | 54.5  | U         | 54.5 | 85.7 | 110        | ug/Kg |
| 87-68-3        | Hexachlorobutadiene         | 54.9  | U         | 54.9 | 85.7 | 110        | ug/Kg |

## Report of Analysis

|                    |            |                 |                        |
|--------------------|------------|-----------------|------------------------|
| Client:            |            | Date Collected: | 10/16/2024 12:00:00 AM |
| Project:           |            | Date Received:  | 10/16/2024 12:00:00 AM |
| Client Sample ID:  | TP-2       | SDG No.:        | BF101824               |
| Lab Sample ID:     | P4425-03   | Matrix:         | Solid                  |
| Analytical Method: | 8270E      | % Moisture:     | 9.1                    |
| Sample Wt/Vol:     | 50.04      | Units:          | g                      |
| Soil Aliquot Vol:  |            | Final Vol:      | 1000 uL                |
| Extraction Type :  |            | Test:           |                        |
|                    | Decanted : | Level :         | LOW                    |
| Injection Volume : |            | GPC Factor :    |                        |
|                    |            | GPC Cleanup :   | PH :                   |

|                   |           |                        |                        |               |
|-------------------|-----------|------------------------|------------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date              | Date Analyzed          | Prep Batch ID |
| BF139859.D        | 1         | 10/17/2024 12:00:00 AM | 10/18/2024 12:00:00 AM | PB164208      |

| CAS Number | Parameter                                       | Conc. | Qualifier | MDL   | LOD  | LOQ / CRQL | Units |
|------------|-------------------------------------------------|-------|-----------|-------|------|------------|-------|
| 105-60-2   | Caprolactam                                     | 57.2  | U         | 57.2  | 180  | 220        | ug/Kg |
| 59-50-7    | 4-Chloro-3-methylphenol                         | 51.1  | U         | 51.1  | 85.7 | 110        | ug/Kg |
| 91-57-6    | 2-Methylnaphthalene                             | 54.4  | U         | 54.4  | 85.7 | 110        | ug/Kg |
| 77-47-4    | Hexachlorocyclopentadiene                       | 100   | U         | 100   | 180  | 220        | ug/Kg |
| 88-06-2    | 2,4,6-Trichlorophenol                           | 47.1  | U         | 47.1  | 85.7 | 110        | ug/Kg |
| 95-95-4    | 2,4,5-Trichlorophenol                           | 48.8  | U         | 48.8  | 85.7 | 110        | ug/Kg |
| 92-52-4    | 1,1-Biphenyl                                    | 57.6  | U         | 57.6  | 85.7 | 110        | ug/Kg |
| 91-58-7    | 2-Chloronaphthalene                             | 54.9  | U         | 54.9  | 85.7 | 110        | ug/Kg |
| 88-74-4    | 2-Nitroaniline                                  | 62.7  | U         | 62.7  | 85.7 | 110        | ug/Kg |
| 131-11-3   | Dimethylphthalate                               | 53.9  | U         | 53.9  | 85.7 | 110        | ug/Kg |
| 208-96-8   | Acenaphthylene                                  | 57.1  | U         | 57.1  | 85.7 | 110        | ug/Kg |
| 606-20-2   | 2,6-Dinitrotoluene                              | 54.9  | U         | 54.9  | 85.7 | 110        | ug/Kg |
| 99-09-2    | 3-Nitroaniline                                  | 58.8  | U         | 58.8  | 85.7 | 110        | ug/Kg |
| 83-32-9    | Acenaphthene                                    | 53.5  | U         | 53.5  | 85.7 | 110        | ug/Kg |
| Total PAH  | Total PAH                                       | 874   | U         | 874   | 85.7 | 1760       | ug/Kg |
| 51-28-5    | 2,4-Dinitrophenol                               | 160   | U         | 160   | 180  | 220        | ug/Kg |
| 100-02-7   | 4-Nitrophenol                                   | 76.5  | U         | 76.5  | 180  | 220        | ug/Kg |
| 132-64-9   | Dibenzofuran                                    | 55.7  | U         | 55.7  | 85.7 | 110        | ug/Kg |
| 25321-14-6 | 2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture) | 111.8 | U         | 111.8 | 85.7 | 220        | ug/Kg |
| 121-14-2   | 2,4-Dinitrotoluene                              | 56.9  | U         | 56.9  | 85.7 | 110        | ug/Kg |
| 84-66-2    | Diethylphthalate                                | 52.8  | U         | 52.8  | 85.7 | 110        | ug/Kg |
| 7005-72-3  | 4-Chlorophenyl-phenylether                      | 56.5  | U         | 56.5  | 85.7 | 110        | ug/Kg |
| 86-73-7    | Fluorene                                        | 56.4  | U         | 56.4  | 85.7 | 110        | ug/Kg |
| 100-01-6   | 4-Nitroaniline                                  | 70.6  | U         | 70.6  | 85.7 | 110        | ug/Kg |
| 534-52-1   | 4,6-Dinitro-2-methylphenol                      | 77.2  | U         | 77.2  | 180  | 220        | ug/Kg |
| 86-30-6    | n-Nitrosodiphenylamine                          | 53.8  | U         | 53.8  | 85.7 | 110        | ug/Kg |
| 103-33-3   | Azobenzene                                      | 52.5  | U         | 52.5  | 85.7 | 110        | ug/Kg |
| 101-55-3   | 4-Bromophenyl-phenylether                       | 52    | U         | 52    | 85.7 | 110        | ug/Kg |
| 118-74-1   | Hexachlorobenzene                               | 56.1  | U         | 56.1  | 85.7 | 110        | ug/Kg |
| 1912-24-9  | Atrazine                                        | 60.3  | U         | 60.3  | 85.7 | 110        | ug/Kg |

## Report of Analysis

|                    |          |              |                 |                        |    |
|--------------------|----------|--------------|-----------------|------------------------|----|
| Client:            |          |              | Date Collected: | 10/16/2024 12:00:00 AM |    |
| Project:           |          |              | Date Received:  | 10/16/2024 12:00:00 AM |    |
| Client Sample ID:  | TP-2     |              | SDG No.:        | BF101824               |    |
| Lab Sample ID:     | P4425-03 |              | Matrix:         | Solid                  |    |
| Analytical Method: | 8270E    |              | % Moisture:     | 9.1                    |    |
| Sample Wt/Vol:     | 50.04    | Units: g     | Final Vol:      | 1000                   | uL |
| Soil Aliquot Vol:  |          | uL           | Test:           |                        |    |
| Extraction Type :  |          | Decanted :   | Level :         | LOW                    |    |
| Injection Volume : |          | GPC Factor : | GPC Cleanup :   | PH :                   |    |

|                   |           |                        |                        |               |
|-------------------|-----------|------------------------|------------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date              | Date Analyzed          | Prep Batch ID |
| BF139859.D        | 1         | 10/17/2024 12:00:00 AM | 10/18/2024 12:00:00 AM | PB164208      |

| CAS Number        | Parameter                  | Conc.  | Qualifier | MDL    | LOD  | LOQ / CRQL | Units     |
|-------------------|----------------------------|--------|-----------|--------|------|------------|-----------|
| 87-86-5           | Pentachlorophenol          | 51     | U         | 51     | 180  | 220        | ug/Kg     |
| 85-01-8           | Phenanthrene               | 55.4   | U         | 55.4   | 85.7 | 110        | ug/Kg     |
| 120-12-7          | Anthracene                 | 55.7   | U         | 55.7   | 85.7 | 110        | ug/Kg     |
| 86-74-8           | Carbazole                  | 53     | U         | 53     | 85.7 | 110        | ug/Kg     |
| 84-74-2           | Di-n-butylphthalate        | 55.6   | U         | 55.6   | 85.7 | 110        | ug/Kg     |
| 206-44-0          | Fluoranthene               | 53.9   | U         | 53.9   | 85.7 | 110        | ug/Kg     |
| 92-87-5           | Benzidine                  | 110    | U         | 110    | 180  | 220        | ug/Kg     |
| 129-00-0          | Pyrene                     | 54.7   | U         | 54.7   | 85.7 | 110        | ug/Kg     |
| 85-68-7           | Butylbenzylphthalate       | 63.8   | U         | 63.8   | 85.7 | 110        | ug/Kg     |
| 91-94-1           | 3,3-Dichlorobenzidine      | 65     | U         | 65     | 180  | 220        | ug/Kg     |
| 56-55-3           | Benzo(a)anthracene         | 53.2   | U         | 53.2   | 85.7 | 110        | ug/Kg     |
| 218-01-9          | Chrysene                   | 52.4   | U         | 52.4   | 85.7 | 110        | ug/Kg     |
| 117-81-7          | Bis(2-ethylhexyl)phthalate | 60     | U         | 60     | 85.7 | 110        | ug/Kg     |
| 117-84-0          | Di-n-octyl phthalate       | 72.5   | U         | 72.5   | 180  | 220        | ug/Kg     |
| 205-99-2          | Benzo(b)fluoranthene       | 53.5   | U         | 53.5   | 85.7 | 110        | ug/Kg     |
| 207-08-9          | Benzo(k)fluoranthene       | 54.5   | U         | 54.5   | 85.7 | 110        | ug/Kg     |
| 50-32-8           | Benzo(a)pyrene             | 61.3   | U         | 61.3   | 85.7 | 110        | ug/Kg     |
| 193-39-5          | Indeno(1,2,3-cd)pyrene     | 51.5   | U         | 51.5   | 85.7 | 110        | ug/Kg     |
| 53-70-3           | Dibenzo(a,h)anthracene     | 53.6   | U         | 53.6   | 85.7 | 110        | ug/Kg     |
| 191-24-2          | Benzo(g,h,i)perylene       | 52.8   | U         | 52.8   | 85.7 | 110        | ug/Kg     |
| 95-94-3           | 1,2,4,5-Tetrachlorobenzene | 57.2   | U         | 57.2   | 85.7 | 110        | ug/Kg     |
| 123-91-1          | 1,4-Dioxane                | 72.5   | U         | 72.5   | 85.7 | 110        | ug/Kg     |
| 58-90-2           | 2,3,4,6-Tetrachlorophenol  | 49.3   | U         | 49.3   | 85.7 | 110        | ug/Kg     |
| 90-12-0           | 1-Methylnaphthalene        | 54.9   | U         | 54.9   | 110  | 110        | ug/Kg     |
| <b>SURROGATES</b> |                            |        |           |        |      |            |           |
| 367-12-4          | 2-Fluorophenol             | 82.145 |           | 18-112 |      | 55         | SPK: -150 |
| 13127-88-3        | Phenol-d6                  | 76.295 |           | 15-107 |      | 51         | SPK: -150 |
| 4165-60-0         | Nitrobenzene-d5            | 59.306 |           | 18-107 |      | 59         | SPK: -100 |
| 321-60-8          | 2-Fluorobiphenyl           | 63.986 |           | 20-109 |      | 64         | SPK: -100 |



## Report of Analysis

|                    |            |                 |                        |
|--------------------|------------|-----------------|------------------------|
| Client:            |            | Date Collected: | 10/16/2024 12:00:00 AM |
| Project:           |            | Date Received:  | 10/16/2024 12:00:00 AM |
| Client Sample ID:  | TP-2       | SDG No.:        | BF101824               |
| Lab Sample ID:     | P4425-03   | Matrix:         | Solid                  |
| Analytical Method: | 8270E      | % Moisture:     | 9.1                    |
| Sample Wt/Vol:     | 50.04      | Units:          | g                      |
| Soil Aliquot Vol:  |            | Final Vol:      | 1000 uL                |
| Extraction Type :  |            | Test:           |                        |
|                    | Decanted : | Level :         | LOW                    |
| Injection Volume : |            | GPC Factor :    |                        |
|                    |            | GPC Cleanup :   | PH :                   |

|                   |           |                        |                        |               |
|-------------------|-----------|------------------------|------------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date              | Date Analyzed          | Prep Batch ID |
| BF139859.D        | 1         | 10/17/2024 12:00:00 AM | 10/18/2024 12:00:00 AM | PB164208      |

| CAS Number                            | Parameter                        | Conc.  | Qualifier | MDL    | LOD | LOQ / CRQL | Units     |
|---------------------------------------|----------------------------------|--------|-----------|--------|-----|------------|-----------|
| 118-79-6                              | 2,4,6-Tribromophenol             | 79.537 |           | 10-116 |     | 53         | SPK: -150 |
| 1718-51-0                             | Terphenyl-d14                    | 49.542 |           | 10-105 |     | 50         | SPK: -100 |
| <b>INTERNAL STANDARDS</b>             |                                  |        |           |        |     |            |           |
| 3855-82-1                             | 1,4-Dichlorobenzene-d4           | 141592 | 6.892     |        |     |            |           |
| 1146-65-2                             | Naphthalene-d8                   | 471345 | 8.169     |        |     |            |           |
| 15067-26-2                            | Acenaphthene-d10                 | 206525 | 9.922     |        |     |            |           |
| 1517-22-2                             | Phenanthrene-d10                 | 379227 | 11.41     |        |     |            |           |
| 1719-03-5                             | Chrysene-d12                     | 310398 | 14.045    |        |     |            |           |
| 1520-96-3                             | Perylene-d12                     | 211756 | 15.527    |        |     |            |           |
| <b>TENTATIVE IDENTIFIED COMPOUNDS</b> |                                  |        |           |        |     |            |           |
| 000994-05-8                           | Butane, 2-methoxy-2-methyl-      | 1400   | J         |        |     | 2.175      |           |
| 000123-42-2                           | 2-Pentanone, 4-hydroxy-4-methyl- | 110    | A         |        |     | 5.11       |           |
| 000119-61-9                           | Benzophenone                     | 200    | J         |        |     | 10.633     |           |
| 000057-10-3                           | n-Hexadecanoic acid              | 120    | J         |        |     | 11.933     |           |
| 000296-56-0                           | Cycloeicosane                    | 120    | J         |        |     | 13.892     |           |

## Report of Analysis

|                    |            |                 |                        |
|--------------------|------------|-----------------|------------------------|
| Client:            |            | Date Collected: | 10/16/2024 12:00:00 AM |
| Project:           |            | Date Received:  | 10/16/2024 12:00:00 AM |
| Client Sample ID:  | TP-3       | SDG No.:        | BF101824               |
| Lab Sample ID:     | P4425-05   | Matrix:         | Solid                  |
| Analytical Method: | 8270E      | % Moisture:     | 7.2                    |
| Sample Wt/Vol:     | 50.09      | Units:          | g                      |
| Soil Aliquot Vol:  |            | Final Vol:      | 1000 uL                |
| Extraction Type :  |            | Test:           |                        |
|                    | Decanted : | Level :         | LOW                    |
| Injection Volume : |            | GPC Factor :    |                        |
|                    |            | GPC Cleanup :   | PH :                   |

|                   |           |                        |                        |               |
|-------------------|-----------|------------------------|------------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date              | Date Analyzed          | Prep Batch ID |
| BF139860.D        | 1         | 10/17/2024 12:00:00 AM | 10/18/2024 12:00:00 AM | PB164208      |

| CAS Number     | Parameter                   | Conc. | Qualifier | MDL  | LOD  | LOQ / CRQL | Units |
|----------------|-----------------------------|-------|-----------|------|------|------------|-------|
| <b>TARGETS</b> |                             |       |           |      |      |            |       |
| 62-75-9        | n-Nitrosodimethylamine      | 56    | U         | 56   | 170  | 210        | ug/Kg |
| 110-86-1       | Pyridine                    | 51.6  | U         | 51.6 | 83.9 | 110        | ug/Kg |
| 100-52-7       | Benzaldehyde                | 120   | U         | 120  | 170  | 210        | ug/Kg |
| 62-53-3        | Aniline                     | 62.5  | U         | 62.5 | 83.9 | 110        | ug/Kg |
| 108-95-2       | Phenol                      | 53.5  | U         | 53.5 | 83.9 | 110        | ug/Kg |
| 111-44-4       | bis(2-Chloroethyl)ether     | 54    | U         | 54   | 83.9 | 110        | ug/Kg |
| 95-57-8        | 2-Chlorophenol              | 53.9  | U         | 53.9 | 83.9 | 110        | ug/Kg |
| 95-50-1        | 1,2-Dichlorobenzene         | 54.6  | U         | 54.6 | 83.9 | 110        | ug/Kg |
| 541-73-1       | 1,3-Dichlorobenzene         | 55.5  | U         | 55.5 | 83.9 | 110        | ug/Kg |
| 106-46-7       | 1,4-Dichlorobenzene         | 55.8  | U         | 55.8 | 83.9 | 110        | ug/Kg |
| 100-51-6       | Benzyl Alcohol              | 53.6  | U         | 53.6 | 170  | 210        | ug/Kg |
| 95-48-7        | 2-Methylphenol              | 52    | U         | 52   | 83.9 | 110        | ug/Kg |
| 108-60-1       | 2,2-oxybis(1-Chloropropane) | 58.7  | U         | 58.7 | 83.9 | 110        | ug/Kg |
| 98-86-2        | Acetophenone                | 56.1  | U         | 56.1 | 83.9 | 110        | ug/Kg |
| 65794-96-9     | 3+4-Methylphenols           | 51.5  | U         | 51.5 | 170  | 210        | ug/Kg |
| 621-64-7       | n-Nitroso-di-n-propylamine  | 26    | U         | 26   | 51.6 | 51.6       | ug/Kg |
| 67-72-1        | Hexachloroethane            | 53.6  | U         | 53.6 | 83.9 | 110        | ug/Kg |
| 98-95-3        | Nitrobenzene                | 58.6  | U         | 58.6 | 83.9 | 110        | ug/Kg |
| 78-59-1        | Isophorone                  | 54.6  | U         | 54.6 | 83.9 | 110        | ug/Kg |
| 88-75-5        | 2-Nitrophenol               | 61    | U         | 61   | 83.9 | 110        | ug/Kg |
| 105-67-9       | 2,4-Dimethylphenol          | 60.2  | U         | 60.2 | 83.9 | 110        | ug/Kg |
| 111-91-1       | bis(2-Chloroethoxy)methane  | 55.4  | U         | 55.4 | 83.9 | 110        | ug/Kg |
| 120-83-2       | 2,4-Dichlorophenol          | 48.7  | U         | 48.7 | 83.9 | 110        | ug/Kg |
| 120-82-1       | 1,2,4-Trichlorobenzene      | 55.1  | U         | 55.1 | 83.9 | 110        | ug/Kg |
| 65-85-0        | Benzoic acid                | 150   | U         | 150  | 170  | 210        | ug/Kg |
| 91-20-3        | Naphthalene                 | 53.3  | U         | 53.3 | 83.9 | 110        | ug/Kg |
| 106-47-8       | 4-Chloroaniline             | 53.3  | U         | 53.3 | 83.9 | 110        | ug/Kg |
| 87-68-3        | Hexachlorobutadiene         | 53.8  | U         | 53.8 | 83.9 | 110        | ug/Kg |

## Report of Analysis

|                    |            |                 |                        |
|--------------------|------------|-----------------|------------------------|
| Client:            |            | Date Collected: | 10/16/2024 12:00:00 AM |
| Project:           |            | Date Received:  | 10/16/2024 12:00:00 AM |
| Client Sample ID:  | TP-3       | SDG No.:        | BF101824               |
| Lab Sample ID:     | P4425-05   | Matrix:         | Solid                  |
| Analytical Method: | 8270E      | % Moisture:     | 7.2                    |
| Sample Wt/Vol:     | 50.09      | Units:          | g                      |
| Soil Aliquot Vol:  |            | Final Vol:      | 1000 uL                |
| Extraction Type :  |            | Test:           |                        |
|                    | Decanted : | Level :         | LOW                    |
| Injection Volume : |            | GPC Factor :    |                        |
|                    |            | GPC Cleanup :   | PH :                   |

|                   |           |                        |                        |               |
|-------------------|-----------|------------------------|------------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date              | Date Analyzed          | Prep Batch ID |
| BF139860.D        | 1         | 10/17/2024 12:00:00 AM | 10/18/2024 12:00:00 AM | PB164208      |

| CAS Number | Parameter                                       | Conc. | Qualifier | MDL   | LOD  | LOQ / CRQL | Units |
|------------|-------------------------------------------------|-------|-----------|-------|------|------------|-------|
| 105-60-2   | Caprolactam                                     | 56    | U         | 56    | 170  | 210        | ug/Kg |
| 59-50-7    | 4-Chloro-3-methylphenol                         | 50    | U         | 50    | 83.9 | 110        | ug/Kg |
| 91-57-6    | 2-Methylnaphthalene                             | 53.2  | U         | 53.2  | 83.9 | 110        | ug/Kg |
| 77-47-4    | Hexachlorocyclopentadiene                       | 100   | U         | 100   | 170  | 210        | ug/Kg |
| 88-06-2    | 2,4,6-Trichlorophenol                           | 46.1  | U         | 46.1  | 83.9 | 110        | ug/Kg |
| 95-95-4    | 2,4,5-Trichlorophenol                           | 47.8  | U         | 47.8  | 83.9 | 110        | ug/Kg |
| 92-52-4    | 1,1-Biphenyl                                    | 56.4  | U         | 56.4  | 83.9 | 110        | ug/Kg |
| 91-58-7    | 2-Chloronaphthalene                             | 53.8  | U         | 53.8  | 83.9 | 110        | ug/Kg |
| 88-74-4    | 2-Nitroaniline                                  | 61.3  | U         | 61.3  | 83.9 | 110        | ug/Kg |
| 131-11-3   | Dimethylphthalate                               | 52.7  | U         | 52.7  | 83.9 | 110        | ug/Kg |
| 208-96-8   | Acenaphthylene                                  | 55.8  | U         | 55.8  | 83.9 | 110        | ug/Kg |
| 606-20-2   | 2,6-Dinitrotoluene                              | 53.7  | U         | 53.7  | 83.9 | 110        | ug/Kg |
| 99-09-2    | 3-Nitroaniline                                  | 57.6  | U         | 57.6  | 83.9 | 110        | ug/Kg |
| 83-32-9    | Acenaphthene                                    | 52.3  | U         | 52.3  | 83.9 | 110        | ug/Kg |
| Total PAH  | Total PAH                                       | 855.1 | U         | 855.1 | 83.9 | 1760       | ug/Kg |
| 51-28-5    | 2,4-Dinitrophenol                               | 160   | U         | 160   | 170  | 210        | ug/Kg |
| 100-02-7   | 4-Nitrophenol                                   | 74.9  | U         | 74.9  | 170  | 210        | ug/Kg |
| 132-64-9   | Dibenzofuran                                    | 54.5  | U         | 54.5  | 83.9 | 110        | ug/Kg |
| 25321-14-6 | 2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture) | 109.3 | U         | 109.3 | 83.9 | 220        | ug/Kg |
| 121-14-2   | 2,4-Dinitrotoluene                              | 55.6  | U         | 55.6  | 83.9 | 110        | ug/Kg |
| 84-66-2    | Diethylphthalate                                | 51.7  | U         | 51.7  | 83.9 | 110        | ug/Kg |
| 7005-72-3  | 4-Chlorophenyl-phenylether                      | 55.2  | U         | 55.2  | 83.9 | 110        | ug/Kg |
| 86-73-7    | Fluorene                                        | 55.2  | U         | 55.2  | 83.9 | 110        | ug/Kg |
| 100-01-6   | 4-Nitroaniline                                  | 69.1  | U         | 69.1  | 83.9 | 110        | ug/Kg |
| 534-52-1   | 4,6-Dinitro-2-methylphenol                      | 75.5  | U         | 75.5  | 170  | 210        | ug/Kg |
| 86-30-6    | n-Nitrosodiphenylamine                          | 52.7  | U         | 52.7  | 83.9 | 110        | ug/Kg |
| 103-33-3   | Azobenzene                                      | 51.4  | U         | 51.4  | 83.9 | 110        | ug/Kg |
| 101-55-3   | 4-Bromophenyl-phenylether                       | 50.9  | U         | 50.9  | 83.9 | 110        | ug/Kg |
| 118-74-1   | Hexachlorobenzene                               | 54.9  | U         | 54.9  | 83.9 | 110        | ug/Kg |
| 1912-24-9  | Atrazine                                        | 59    | U         | 59    | 83.9 | 110        | ug/Kg |

## Report of Analysis

|                    |            |                 |                        |
|--------------------|------------|-----------------|------------------------|
| Client:            |            | Date Collected: | 10/16/2024 12:00:00 AM |
| Project:           |            | Date Received:  | 10/16/2024 12:00:00 AM |
| Client Sample ID:  | TP-3       | SDG No.:        | BF101824               |
| Lab Sample ID:     | P4425-05   | Matrix:         | Solid                  |
| Analytical Method: | 8270E      | % Moisture:     | 7.2                    |
| Sample Wt/Vol:     | 50.09      | Units:          | g                      |
| Soil Aliquot Vol:  |            | Final Vol:      | 1000 uL                |
| Extraction Type :  |            | Test:           |                        |
|                    | Decanted : | Level :         | LOW                    |
| Injection Volume : |            | GPC Factor :    |                        |
|                    |            | GPC Cleanup :   | PH :                   |

|                   |           |                        |                        |               |
|-------------------|-----------|------------------------|------------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date              | Date Analyzed          | Prep Batch ID |
| BF139860.D        | 1         | 10/17/2024 12:00:00 AM | 10/18/2024 12:00:00 AM | PB164208      |

| CAS Number        | Parameter                  | Conc.  | Qualifier | MDL    | LOD  | LOQ / CRQL | Units     |
|-------------------|----------------------------|--------|-----------|--------|------|------------|-----------|
| 87-86-5           | Pentachlorophenol          | 49.9   | U         | 49.9   | 170  | 210        | ug/Kg     |
| 85-01-8           | Phenanthrene               | 54.2   | U         | 54.2   | 83.9 | 110        | ug/Kg     |
| 120-12-7          | Anthracene                 | 54.5   | U         | 54.5   | 83.9 | 110        | ug/Kg     |
| 86-74-8           | Carbazole                  | 51.8   | U         | 51.8   | 83.9 | 110        | ug/Kg     |
| 84-74-2           | Di-n-butylphthalate        | 54.4   | U         | 54.4   | 83.9 | 110        | ug/Kg     |
| 206-44-0          | Fluoranthene               | 52.7   | U         | 52.7   | 83.9 | 110        | ug/Kg     |
| 92-87-5           | Benzidine                  | 110    | U         | 110    | 170  | 210        | ug/Kg     |
| 129-00-0          | Pyrene                     | 53.6   | U         | 53.6   | 83.9 | 110        | ug/Kg     |
| 85-68-7           | Butylbenzylphthalate       | 62.5   | U         | 62.5   | 83.9 | 110        | ug/Kg     |
| 91-94-1           | 3,3-Dichlorobenzidine      | 63.6   | U         | 63.6   | 170  | 210        | ug/Kg     |
| 56-55-3           | Benzo(a)anthracene         | 52.1   | U         | 52.1   | 83.9 | 110        | ug/Kg     |
| 218-01-9          | Chrysene                   | 51.3   | U         | 51.3   | 83.9 | 110        | ug/Kg     |
| 117-81-7          | Bis(2-ethylhexyl)phthalate | 58.7   | U         | 58.7   | 83.9 | 110        | ug/Kg     |
| 117-84-0          | Di-n-octyl phthalate       | 71     | U         | 71     | 170  | 210        | ug/Kg     |
| 205-99-2          | Benzo(b)fluoranthene       | 52.3   | U         | 52.3   | 83.9 | 110        | ug/Kg     |
| 207-08-9          | Benzo(k)fluoranthene       | 53.3   | U         | 53.3   | 83.9 | 110        | ug/Kg     |
| 50-32-8           | Benzo(a)pyrene             | 60     | U         | 60     | 83.9 | 110        | ug/Kg     |
| 193-39-5          | Indeno(1,2,3-cd)pyrene     | 50.4   | U         | 50.4   | 83.9 | 110        | ug/Kg     |
| 53-70-3           | Dibenzo(a,h)anthracene     | 52.4   | U         | 52.4   | 83.9 | 110        | ug/Kg     |
| 191-24-2          | Benzo(g,h,i)perylene       | 51.7   | U         | 51.7   | 83.9 | 110        | ug/Kg     |
| 95-94-3           | 1,2,4,5-Tetrachlorobenzene | 56     | U         | 56     | 83.9 | 110        | ug/Kg     |
| 123-91-1          | 1,4-Dioxane                | 71     | U         | 71     | 83.9 | 110        | ug/Kg     |
| 58-90-2           | 2,3,4,6-Tetrachlorophenol  | 48.2   | U         | 48.2   | 83.9 | 110        | ug/Kg     |
| 90-12-0           | 1-Methylnaphthalene        | 53.7   | U         | 53.7   | 110  | 110        | ug/Kg     |
| <b>SURROGATES</b> |                            |        |           |        |      |            |           |
| 367-12-4          | 2-Fluorophenol             | 80.698 |           | 18-112 |      | 54         | SPK: -150 |
| 13127-88-3        | Phenol-d6                  | 78.762 |           | 15-107 |      | 53         | SPK: -150 |
| 4165-60-0         | Nitrobenzene-d5            | 57.532 |           | 18-107 |      | 58         | SPK: -100 |
| 321-60-8          | 2-Fluorobiphenyl           | 62.132 |           | 20-109 |      | 62         | SPK: -100 |

## Report of Analysis

|                    |            |                 |                        |
|--------------------|------------|-----------------|------------------------|
| Client:            |            | Date Collected: | 10/16/2024 12:00:00 AM |
| Project:           |            | Date Received:  | 10/16/2024 12:00:00 AM |
| Client Sample ID:  | TP-3       | SDG No.:        | BF101824               |
| Lab Sample ID:     | P4425-05   | Matrix:         | Solid                  |
| Analytical Method: | 8270E      | % Moisture:     | 7.2                    |
| Sample Wt/Vol:     | 50.09      | Units:          | g                      |
| Soil Aliquot Vol:  |            | Final Vol:      | 1000 uL                |
| Extraction Type :  |            | Test:           |                        |
|                    | Decanted : | Level :         | LOW                    |
| Injection Volume : |            | GPC Factor :    |                        |
|                    |            | GPC Cleanup :   | PH :                   |

|                   |           |                        |                        |               |
|-------------------|-----------|------------------------|------------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date              | Date Analyzed          | Prep Batch ID |
| BF139860.D        | 1         | 10/17/2024 12:00:00 AM | 10/18/2024 12:00:00 AM | PB164208      |

| CAS Number                            | Parameter                        | Conc.  | Qualifier | MDL    | LOD | LOQ / CRQL | Units     |
|---------------------------------------|----------------------------------|--------|-----------|--------|-----|------------|-----------|
| 118-79-6                              | 2,4,6-Tribromophenol             | 70.296 |           | 10-116 |     | 47         | SPK: -150 |
| 1718-51-0                             | Terphenyl-d14                    | 49.062 |           | 10-105 |     | 49         | SPK: -100 |
| <b>INTERNAL STANDARDS</b>             |                                  |        |           |        |     |            |           |
| 3855-82-1                             | 1,4-Dichlorobenzene-d4           | 142159 | 6.893     |        |     |            |           |
| 1146-65-2                             | Naphthalene-d8                   | 501747 | 8.169     |        |     |            |           |
| 15067-26-2                            | Acenaphthene-d10                 | 224756 | 9.922     |        |     |            |           |
| 1517-22-2                             | Phenanthrene-d10                 | 382038 | 11.41     |        |     |            |           |
| 1719-03-5                             | Chrysene-d12                     | 296675 | 14.051    |        |     |            |           |
| 1520-96-3                             | Perylene-d12                     | 204072 | 15.527    |        |     |            |           |
| <b>TENTATIVE IDENTIFIED COMPOUNDS</b> |                                  |        |           |        |     |            |           |
| 000994-05-8                           | Butane, 2-methoxy-2-methyl-      | 1400   | J         |        |     | 2.175      |           |
| 000123-42-2                           | 2-Pentanone, 4-hydroxy-4-methyl- | 140    | A         |        |     | 5.104      |           |
| 000119-61-9                           | Benzophenone                     | 160    | J         |        |     | 10.634     |           |
| 000557-61-9                           | Octacosanol                      | 120    | J         |        |     | 13.892     |           |

## Report of Analysis

|                    |            |                 |                        |
|--------------------|------------|-----------------|------------------------|
| Client:            |            | Date Collected: | 10/16/2024 12:00:00 AM |
| Project:           |            | Date Received:  | 10/16/2024 12:00:00 AM |
| Client Sample ID:  | TP-4       | SDG No.:        | BF101824               |
| Lab Sample ID:     | P4425-07   | Matrix:         | Solid                  |
| Analytical Method: | 8270E      | % Moisture:     | 11.6                   |
| Sample Wt/Vol:     | 50.06      | Units:          | g                      |
| Soil Aliquot Vol:  |            | Final Vol:      | 1000 uL                |
| Extraction Type :  |            | Test:           |                        |
|                    | Decanted : | Level :         | LOW                    |
| Injection Volume : |            | GPC Factor :    |                        |
|                    |            | GPC Cleanup :   | PH :                   |

|                   |           |                        |                        |               |
|-------------------|-----------|------------------------|------------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date              | Date Analyzed          | Prep Batch ID |
| BF139861.D        | 1         | 10/17/2024 12:00:00 AM | 10/18/2024 12:00:00 AM | PB164208      |

| CAS Number     | Parameter                   | Conc. | Qualifier | MDL  | LOD  | LOQ / CRQL | Units |
|----------------|-----------------------------|-------|-----------|------|------|------------|-------|
| <b>TARGETS</b> |                             |       |           |      |      |            |       |
| 62-75-9        | n-Nitrosodimethylamine      | 58.8  | U         | 58.8 | 180  | 220        | ug/Kg |
| 110-86-1       | Pyridine                    | 54.2  | U         | 54.2 | 88.1 | 120        | ug/Kg |
| 100-52-7       | Benzaldehyde                | 120   | U         | 120  | 180  | 220        | ug/Kg |
| 62-53-3        | Aniline                     | 65.7  | U         | 65.7 | 88.1 | 120        | ug/Kg |
| 108-95-2       | Phenol                      | 56.2  | U         | 56.2 | 88.1 | 120        | ug/Kg |
| 111-44-4       | bis(2-Chloroethyl)ether     | 56.7  | U         | 56.7 | 88.1 | 120        | ug/Kg |
| 95-57-8        | 2-Chlorophenol              | 56.6  | U         | 56.6 | 88.1 | 120        | ug/Kg |
| 95-50-1        | 1,2-Dichlorobenzene         | 57.4  | U         | 57.4 | 88.1 | 120        | ug/Kg |
| 541-73-1       | 1,3-Dichlorobenzene         | 58.3  | U         | 58.3 | 88.1 | 120        | ug/Kg |
| 106-46-7       | 1,4-Dichlorobenzene         | 58.6  | U         | 58.6 | 88.1 | 120        | ug/Kg |
| 100-51-6       | Benzyl Alcohol              | 56.3  | U         | 56.3 | 180  | 220        | ug/Kg |
| 95-48-7        | 2-Methylphenol              | 54.6  | U         | 54.6 | 88.1 | 120        | ug/Kg |
| 108-60-1       | 2,2-oxybis(1-Chloropropane) | 61.6  | U         | 61.6 | 88.1 | 120        | ug/Kg |
| 98-86-2        | Acetophenone                | 58.9  | U         | 58.9 | 88.1 | 120        | ug/Kg |
| 65794-96-9     | 3+4-Methylphenols           | 54.1  | U         | 54.1 | 180  | 220        | ug/Kg |
| 621-64-7       | n-Nitroso-di-n-propylamine  | 27.3  | U         | 27.3 | 54.2 | 54.2       | ug/Kg |
| 67-72-1        | Hexachloroethane            | 56.3  | U         | 56.3 | 88.1 | 120        | ug/Kg |
| 98-95-3        | Nitrobenzene                | 61.6  | U         | 61.6 | 88.1 | 120        | ug/Kg |
| 78-59-1        | Isophorone                  | 57.4  | U         | 57.4 | 88.1 | 120        | ug/Kg |
| 88-75-5        | 2-Nitrophenol               | 64.1  | U         | 64.1 | 88.1 | 120        | ug/Kg |
| 105-67-9       | 2,4-Dimethylphenol          | 63.2  | U         | 63.2 | 88.1 | 120        | ug/Kg |
| 111-91-1       | bis(2-Chloroethoxy)methane  | 58.2  | U         | 58.2 | 88.1 | 120        | ug/Kg |
| 120-83-2       | 2,4-Dichlorophenol          | 51.2  | U         | 51.2 | 88.1 | 120        | ug/Kg |
| 120-82-1       | 1,2,4-Trichlorobenzene      | 57.9  | U         | 57.9 | 88.1 | 120        | ug/Kg |
| 65-85-0        | Benzoic acid                | 160   | U         | 160  | 180  | 220        | ug/Kg |
| 91-20-3        | Naphthalene                 | 56    | U         | 56   | 88.1 | 120        | ug/Kg |
| 106-47-8       | 4-Chloroaniline             | 56    | U         | 56   | 88.1 | 120        | ug/Kg |
| 87-68-3        | Hexachlorobutadiene         | 56.5  | U         | 56.5 | 88.1 | 120        | ug/Kg |

## Report of Analysis

|                    |            |                 |                        |
|--------------------|------------|-----------------|------------------------|
| Client:            |            | Date Collected: | 10/16/2024 12:00:00 AM |
| Project:           |            | Date Received:  | 10/16/2024 12:00:00 AM |
| Client Sample ID:  | TP-4       | SDG No.:        | BF101824               |
| Lab Sample ID:     | P4425-07   | Matrix:         | Solid                  |
| Analytical Method: | 8270E      | % Moisture:     | 11.6                   |
| Sample Wt/Vol:     | 50.06      | Units:          | g                      |
| Soil Aliquot Vol:  |            | Final Vol:      | 1000 uL                |
| Extraction Type :  |            | Test:           |                        |
|                    | Decanted : | Level :         | LOW                    |
| Injection Volume : |            | GPC Factor :    |                        |
|                    |            | GPC Cleanup :   | PH :                   |

|                   |           |                        |                        |               |
|-------------------|-----------|------------------------|------------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date              | Date Analyzed          | Prep Batch ID |
| BF139861.D        | 1         | 10/17/2024 12:00:00 AM | 10/18/2024 12:00:00 AM | PB164208      |

| CAS Number | Parameter                                       | Conc. | Qualifier | MDL   | LOD  | LOQ / CRQL | Units |
|------------|-------------------------------------------------|-------|-----------|-------|------|------------|-------|
| 105-60-2   | Caprolactam                                     | 58.8  | U         | 58.8  | 180  | 220        | ug/Kg |
| 59-50-7    | 4-Chloro-3-methylphenol                         | 52.5  | U         | 52.5  | 88.1 | 120        | ug/Kg |
| 91-57-6    | 2-Methylnaphthalene                             | 55.9  | U         | 55.9  | 88.1 | 120        | ug/Kg |
| 77-47-4    | Hexachlorocyclopentadiene                       | 110   | U         | 110   | 180  | 220        | ug/Kg |
| 88-06-2    | 2,4,6-Trichlorophenol                           | 48.4  | U         | 48.4  | 88.1 | 120        | ug/Kg |
| 95-95-4    | 2,4,5-Trichlorophenol                           | 50.2  | U         | 50.2  | 88.1 | 120        | ug/Kg |
| 92-52-4    | 1,1-Biphenyl                                    | 59.3  | U         | 59.3  | 88.1 | 120        | ug/Kg |
| 91-58-7    | 2-Chloronaphthalene                             | 56.5  | U         | 56.5  | 88.1 | 120        | ug/Kg |
| 88-74-4    | 2-Nitroaniline                                  | 64.4  | U         | 64.4  | 88.1 | 120        | ug/Kg |
| 131-11-3   | Dimethylphthalate                               | 55.4  | U         | 55.4  | 88.1 | 120        | ug/Kg |
| 208-96-8   | Acenaphthylene                                  | 58.6  | U         | 58.6  | 88.1 | 120        | ug/Kg |
| 606-20-2   | 2,6-Dinitrotoluene                              | 56.4  | U         | 56.4  | 88.1 | 120        | ug/Kg |
| 99-09-2    | 3-Nitroaniline                                  | 60.5  | U         | 60.5  | 88.1 | 120        | ug/Kg |
| 83-32-9    | Acenaphthene                                    | 55    | U         | 55    | 88.1 | 120        | ug/Kg |
| Total PAH  | Total PAH                                       | 898.2 | U         | 898.2 | 88.1 | 1920       | ug/Kg |
| 51-28-5    | 2,4-Dinitrophenol                               | 160   | U         | 160   | 180  | 220        | ug/Kg |
| 100-02-7   | 4-Nitrophenol                                   | 78.6  | U         | 78.6  | 180  | 220        | ug/Kg |
| 132-64-9   | Dibenzofuran                                    | 57.2  | U         | 57.2  | 88.1 | 120        | ug/Kg |
| 25321-14-6 | 2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture) | 14.8  | U         | 114.8 | 88.1 | 240        | ug/Kg |
| 121-14-2   | 2,4-Dinitrotoluene                              | 58.4  | U         | 58.4  | 88.1 | 120        | ug/Kg |
| 84-66-2    | Diethylphthalate                                | 54.3  | U         | 54.3  | 88.1 | 120        | ug/Kg |
| 7005-72-3  | 4-Chlorophenyl-phenylether                      | 58    | U         | 58    | 88.1 | 120        | ug/Kg |
| 86-73-7    | Fluorene                                        | 58    | U         | 58    | 88.1 | 120        | ug/Kg |
| 100-01-6   | 4-Nitroaniline                                  | 72.5  | U         | 72.5  | 88.1 | 120        | ug/Kg |
| 534-52-1   | 4,6-Dinitro-2-methylphenol                      | 79.3  | U         | 79.3  | 180  | 220        | ug/Kg |
| 86-30-6    | n-Nitrosodiphenylamine                          | 55.3  | U         | 55.3  | 88.1 | 120        | ug/Kg |
| 103-33-3   | Azobenzene                                      | 54    | U         | 54    | 88.1 | 120        | ug/Kg |
| 101-55-3   | 4-Bromophenyl-phenylether                       | 53.5  | U         | 53.5  | 88.1 | 120        | ug/Kg |
| 118-74-1   | Hexachlorobenzene                               | 57.6  | U         | 57.6  | 88.1 | 120        | ug/Kg |
| 1912-24-9  | Atrazine                                        | 62    | U         | 62    | 88.1 | 120        | ug/Kg |

## Report of Analysis

|                    |            |                 |                        |
|--------------------|------------|-----------------|------------------------|
| Client:            |            | Date Collected: | 10/16/2024 12:00:00 AM |
| Project:           |            | Date Received:  | 10/16/2024 12:00:00 AM |
| Client Sample ID:  | TP-4       | SDG No.:        | BF101824               |
| Lab Sample ID:     | P4425-07   | Matrix:         | Solid                  |
| Analytical Method: | 8270E      | % Moisture:     | 11.6                   |
| Sample Wt/Vol:     | 50.06      | Units:          | g                      |
| Soil Aliquot Vol:  |            | Final Vol:      | 1000 uL                |
| Extraction Type :  |            | Test:           |                        |
|                    | Decanted : | Level :         | LOW                    |
| Injection Volume : |            | GPC Factor :    |                        |
|                    |            | GPC Cleanup :   | PH :                   |

|                   |           |                        |                        |               |
|-------------------|-----------|------------------------|------------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date              | Date Analyzed          | Prep Batch ID |
| BF139861.D        | 1         | 10/17/2024 12:00:00 AM | 10/18/2024 12:00:00 AM | PB164208      |

| CAS Number        | Parameter                  | Conc.  | Qualifier | MDL    | LOD  | LOQ / CRQL | Units     |
|-------------------|----------------------------|--------|-----------|--------|------|------------|-----------|
| 87-86-5           | Pentachlorophenol          | 52.4   | U         | 52.4   | 180  | 220        | ug/Kg     |
| 85-01-8           | Phenanthrene               | 56.9   | U         | 56.9   | 88.1 | 120        | ug/Kg     |
| 120-12-7          | Anthracene                 | 57.2   | U         | 57.2   | 88.1 | 120        | ug/Kg     |
| 86-74-8           | Carbazole                  | 54.4   | U         | 54.4   | 88.1 | 120        | ug/Kg     |
| 84-74-2           | Di-n-butylphthalate        | 57.1   | U         | 57.1   | 88.1 | 120        | ug/Kg     |
| 206-44-0          | Fluoranthene               | 55.4   | U         | 55.4   | 88.1 | 120        | ug/Kg     |
| 92-87-5           | Benzidine                  | 110    | U         | 110    | 180  | 220        | ug/Kg     |
| 129-00-0          | Pyrene                     | 56.3   | U         | 56.3   | 88.1 | 120        | ug/Kg     |
| 85-68-7           | Butylbenzylphthalate       | 65.6   | U         | 65.6   | 88.1 | 120        | ug/Kg     |
| 91-94-1           | 3,3-Dichlorobenzidine      | 66.8   | U         | 66.8   | 180  | 220        | ug/Kg     |
| 56-55-3           | Benzo(a)anthracene         | 54.7   | U         | 54.7   | 88.1 | 120        | ug/Kg     |
| 218-01-9          | Chrysene                   | 53.9   | U         | 53.9   | 88.1 | 120        | ug/Kg     |
| 117-81-7          | Bis(2-ethylhexyl)phthalate | 61.7   | U         | 61.7   | 88.1 | 120        | ug/Kg     |
| 117-84-0          | Di-n-octyl phthalate       | 74.6   | U         | 74.6   | 180  | 220        | ug/Kg     |
| 205-99-2          | Benzo(b)fluoranthene       | 55     | U         | 55     | 88.1 | 120        | ug/Kg     |
| 207-08-9          | Benzo(k)fluoranthene       | 56     | U         | 56     | 88.1 | 120        | ug/Kg     |
| 50-32-8           | Benzo(a)pyrene             | 63     | U         | 63     | 88.1 | 120        | ug/Kg     |
| 193-39-5          | Indeno(1,2,3-cd)pyrene     | 52.9   | U         | 52.9   | 88.1 | 120        | ug/Kg     |
| 53-70-3           | Dibenzo(a,h)anthracene     | 55     | U         | 55     | 88.1 | 120        | ug/Kg     |
| 191-24-2          | Benzo(g,h,i)perylene       | 54.3   | U         | 54.3   | 88.1 | 120        | ug/Kg     |
| 95-94-3           | 1,2,4,5-Tetrachlorobenzene | 58.8   | U         | 58.8   | 88.1 | 120        | ug/Kg     |
| 123-91-1          | 1,4-Dioxane                | 74.6   | U         | 74.6   | 88.1 | 120        | ug/Kg     |
| 58-90-2           | 2,3,4,6-Tetrachlorophenol  | 50.6   | U         | 50.6   | 88.1 | 120        | ug/Kg     |
| 90-12-0           | 1-Methylnaphthalene        | 56.4   | U         | 56.4   | 120  | 120        | ug/Kg     |
| <b>SURROGATES</b> |                            |        |           |        |      |            |           |
| 367-12-4          | 2-Fluorophenol             | 70.658 |           | 18-112 |      | 47         | SPK: -150 |
| 13127-88-3        | Phenol-d6                  | 68.001 |           | 15-107 |      | 45         | SPK: -150 |
| 4165-60-0         | Nitrobenzene-d5            | 51.877 |           | 18-107 |      | 52         | SPK: -100 |
| 321-60-8          | 2-Fluorobiphenyl           | 55.911 |           | 20-109 |      | 56         | SPK: -100 |



## Report of Analysis

|                    |            |                 |                        |
|--------------------|------------|-----------------|------------------------|
| Client:            |            | Date Collected: | 10/16/2024 12:00:00 AM |
| Project:           |            | Date Received:  | 10/16/2024 12:00:00 AM |
| Client Sample ID:  | TP-4       | SDG No.:        | BF101824               |
| Lab Sample ID:     | P4425-07   | Matrix:         | Solid                  |
| Analytical Method: | 8270E      | % Moisture:     | 11.6                   |
| Sample Wt/Vol:     | 50.06      | Units:          | g                      |
| Soil Aliquot Vol:  |            | Final Vol:      | 1000 uL                |
| Extraction Type :  |            | Test:           |                        |
|                    | Decanted : | Level :         | LOW                    |
| Injection Volume : |            | GPC Factor :    |                        |
|                    |            | GPC Cleanup :   | PH :                   |

|                   |           |                        |                        |               |
|-------------------|-----------|------------------------|------------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date              | Date Analyzed          | Prep Batch ID |
| BF139861.D        | 1         | 10/17/2024 12:00:00 AM | 10/18/2024 12:00:00 AM | PB164208      |

| CAS Number                            | Parameter                          | Conc.  | Qualifier | MDL    | LOD | LOQ / CRQL | Units     |
|---------------------------------------|------------------------------------|--------|-----------|--------|-----|------------|-----------|
| 118-79-6                              | 2,4,6-Tribromophenol               | 68.726 |           | 10-116 |     | 46         | SPK: -150 |
| 1718-51-0                             | Terphenyl-d14                      | 43.764 |           | 10-105 |     | 44         | SPK: -100 |
| <b>INTERNAL STANDARDS</b>             |                                    |        |           |        |     |            |           |
| 3855-82-1                             | 1,4-Dichlorobenzene-d4             | 126945 | 6.893     |        |     |            |           |
| 1146-65-2                             | Naphthalene-d8                     | 409434 | 8.169     |        |     |            |           |
| 15067-26-2                            | Acenaphthene-d10                   | 178860 | 9.922     |        |     |            |           |
| 1517-22-2                             | Phenanthrene-d10                   | 338666 | 11.41     |        |     |            |           |
| 1719-03-5                             | Chrysene-d12                       | 291401 | 14.051    |        |     |            |           |
| 1520-96-3                             | Perylene-d12                       | 197763 | 15.527    |        |     |            |           |
| <b>TENTATIVE IDENTIFIED COMPOUNDS</b> |                                    |        |           |        |     |            |           |
| 000994-05-8                           | Butane, 2-methoxy-2-methyl-        | 1600   | J         |        |     | 2.163      |           |
| 000123-42-2                           | 2-Pentanone, 4-hydroxy-4-methyl-   | 130    | A         |        |     | 5.099      |           |
| 000119-61-9                           | Benzophenone                       | 200    | J         |        |     | 10.634     |           |
| 000057-10-3                           | n-Hexadecanoic acid                | 62.6   | J         |        |     | 11.933     |           |
| 959092-08-1                           | Pentafluoropropionic acid, pentade | 110    | J         |        |     | 13.892     |           |

## Report of Analysis

|                    |            |                 |                        |
|--------------------|------------|-----------------|------------------------|
| Client:            |            | Date Collected: | 10/16/2024 12:00:00 AM |
| Project:           |            | Date Received:  | 10/16/2024 12:00:00 AM |
| Client Sample ID:  | TP-5       | SDG No.:        | BF101824               |
| Lab Sample ID:     | P4425-09   | Matrix:         | Solid                  |
| Analytical Method: | 8270E      | % Moisture:     | 8.8                    |
| Sample Wt/Vol:     | 50.03      | Units:          | g                      |
| Soil Aliquot Vol:  |            | Final Vol:      | 1000 uL                |
| Extraction Type :  |            | Test:           |                        |
|                    | Decanted : | Level :         | LOW                    |
| Injection Volume : |            | GPC Factor :    |                        |
|                    |            | GPC Cleanup :   | PH :                   |

|                   |           |                        |                        |               |
|-------------------|-----------|------------------------|------------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date              | Date Analyzed          | Prep Batch ID |
| BF139862.D        | 1         | 10/17/2024 12:00:00 AM | 10/18/2024 12:00:00 AM | PB164208      |

| CAS Number     | Parameter                   | Conc. | Qualifier | MDL  | LOD  | LOQ / CRQL | Units |
|----------------|-----------------------------|-------|-----------|------|------|------------|-------|
| <b>TARGETS</b> |                             |       |           |      |      |            |       |
| 62-75-9        | n-Nitrosodimethylamine      | 57.1  | U         | 57.1 | 180  | 220        | ug/Kg |
| 110-86-1       | Pyridine                    | 52.5  | U         | 52.5 | 85.5 | 110        | ug/Kg |
| 100-52-7       | Benzaldehyde                | 120   | U         | 120  | 180  | 220        | ug/Kg |
| 62-53-3        | Aniline                     | 63.7  | U         | 63.7 | 85.5 | 110        | ug/Kg |
| 108-95-2       | Phenol                      | 54.5  | U         | 54.5 | 85.5 | 110        | ug/Kg |
| 111-44-4       | bis(2-Chloroethyl)ether     | 55    | U         | 55   | 85.5 | 110        | ug/Kg |
| 95-57-8        | 2-Chlorophenol              | 54.9  | U         | 54.9 | 85.5 | 110        | ug/Kg |
| 95-50-1        | 1,2-Dichlorobenzene         | 55.6  | U         | 55.6 | 85.5 | 110        | ug/Kg |
| 541-73-1       | 1,3-Dichlorobenzene         | 56.5  | U         | 56.5 | 85.5 | 110        | ug/Kg |
| 106-46-7       | 1,4-Dichlorobenzene         | 56.9  | U         | 56.9 | 85.5 | 110        | ug/Kg |
| 100-51-6       | Benzyl Alcohol              | 54.6  | U         | 54.6 | 180  | 220        | ug/Kg |
| 95-48-7        | 2-Methylphenol              | 53    | U         | 53   | 85.5 | 110        | ug/Kg |
| 108-60-1       | 2,2-oxybis(1-Chloropropane) | 59.8  | U         | 59.8 | 85.5 | 110        | ug/Kg |
| 98-86-2        | Acetophenone                | 57.1  | U         | 57.1 | 85.5 | 110        | ug/Kg |
| 65794-96-9     | 3+4-Methylphenols           | 52.5  | U         | 52.5 | 180  | 220        | ug/Kg |
| 621-64-7       | n-Nitroso-di-n-propylamine  | 26.5  | U         | 26.5 | 52.6 | 52.6       | ug/Kg |
| 67-72-1        | Hexachloroethane            | 54.6  | U         | 54.6 | 85.5 | 110        | ug/Kg |
| 98-95-3        | Nitrobenzene                | 59.7  | U         | 59.7 | 85.5 | 110        | ug/Kg |
| 78-59-1        | Isophorone                  | 55.6  | U         | 55.6 | 85.5 | 110        | ug/Kg |
| 88-75-5        | 2-Nitrophenol               | 62.1  | U         | 62.1 | 85.5 | 110        | ug/Kg |
| 105-67-9       | 2,4-Dimethylphenol          | 61.3  | U         | 61.3 | 85.5 | 110        | ug/Kg |
| 111-91-1       | bis(2-Chloroethoxy)methane  | 56.4  | U         | 56.4 | 85.5 | 110        | ug/Kg |
| 120-83-2       | 2,4-Dichlorophenol          | 49.6  | U         | 49.6 | 85.5 | 110        | ug/Kg |
| 120-82-1       | 1,2,4-Trichlorobenzene      | 56.2  | U         | 56.2 | 85.5 | 110        | ug/Kg |
| 65-85-0        | Benzoic acid                | 160   | U         | 160  | 180  | 220        | ug/Kg |
| 91-20-3        | Naphthalene                 | 54.3  | U         | 54.3 | 85.5 | 110        | ug/Kg |
| 106-47-8       | 4-Chloroaniline             | 54.3  | U         | 54.3 | 85.5 | 110        | ug/Kg |
| 87-68-3        | Hexachlorobutadiene         | 54.8  | U         | 54.8 | 85.5 | 110        | ug/Kg |

## Report of Analysis

|                    |            |                 |                        |
|--------------------|------------|-----------------|------------------------|
| Client:            |            | Date Collected: | 10/16/2024 12:00:00 AM |
| Project:           |            | Date Received:  | 10/16/2024 12:00:00 AM |
| Client Sample ID:  | TP-5       | SDG No.:        | BF101824               |
| Lab Sample ID:     | P4425-09   | Matrix:         | Solid                  |
| Analytical Method: | 8270E      | % Moisture:     | 8.8                    |
| Sample Wt/Vol:     | 50.03      | Units:          | g                      |
| Soil Aliquot Vol:  |            | Final Vol:      | 1000 uL                |
| Extraction Type :  |            | Test:           |                        |
|                    | Decanted : | Level :         | LOW                    |
| Injection Volume : |            | GPC Factor :    |                        |
|                    |            | GPC Cleanup :   | PH :                   |

|                   |           |                        |                        |               |
|-------------------|-----------|------------------------|------------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date              | Date Analyzed          | Prep Batch ID |
| BF139862.D        | 1         | 10/17/2024 12:00:00 AM | 10/18/2024 12:00:00 AM | PB164208      |

| CAS Number | Parameter                                       | Conc. | Qualifier | MDL   | LOD  | LOQ / CRQL | Units |
|------------|-------------------------------------------------|-------|-----------|-------|------|------------|-------|
| 105-60-2   | Caprolactam                                     | 57.1  | U         | 57.1  | 180  | 220        | ug/Kg |
| 59-50-7    | 4-Chloro-3-methylphenol                         | 51    | U         | 51    | 85.5 | 110        | ug/Kg |
| 91-57-6    | 2-Methylnaphthalene                             | 54.2  | U         | 54.2  | 85.5 | 110        | ug/Kg |
| 77-47-4    | Hexachlorocyclopentadiene                       | 100   | U         | 100   | 180  | 220        | ug/Kg |
| 88-06-2    | 2,4,6-Trichlorophenol                           | 46.9  | U         | 46.9  | 85.5 | 110        | ug/Kg |
| 95-95-4    | 2,4,5-Trichlorophenol                           | 48.7  | U         | 48.7  | 85.5 | 110        | ug/Kg |
| 92-52-4    | 1,1-Biphenyl                                    | 57.5  | U         | 57.5  | 85.5 | 110        | ug/Kg |
| 91-58-7    | 2-Chloronaphthalene                             | 54.8  | U         | 54.8  | 85.5 | 110        | ug/Kg |
| 88-74-4    | 2-Nitroaniline                                  | 62.5  | U         | 62.5  | 85.5 | 110        | ug/Kg |
| 131-11-3   | Dimethylphthalate                               | 53.7  | U         | 53.7  | 85.5 | 110        | ug/Kg |
| 208-96-8   | Acenaphthylene                                  | 56.9  | U         | 56.9  | 85.5 | 110        | ug/Kg |
| 606-20-2   | 2,6-Dinitrotoluene                              | 54.7  | U         | 54.7  | 85.5 | 110        | ug/Kg |
| 99-09-2    | 3-Nitroaniline                                  | 58.6  | U         | 58.6  | 85.5 | 110        | ug/Kg |
| 83-32-9    | Acenaphthene                                    | 53.3  | U         | 53.3  | 85.5 | 110        | ug/Kg |
| Total PAH  | Total PAH                                       | 871.3 | U         | 871.3 | 85.5 | 1760       | ug/Kg |
| 51-28-5    | 2,4-Dinitrophenol                               | 160   | U         | 160   | 180  | 220        | ug/Kg |
| 100-02-7   | 4-Nitrophenol                                   | 76.3  | U         | 76.3  | 180  | 220        | ug/Kg |
| 132-64-9   | Dibenzofuran                                    | 55.5  | U         | 55.5  | 85.5 | 110        | ug/Kg |
| 121-14-2   | 2,4-Dinitrotoluene                              | 56.7  | U         | 56.7  | 85.5 | 110        | ug/Kg |
| 25321-14-6 | 2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture) | 111.4 | U         | 111.4 | 85.5 | 220        | ug/Kg |
| 84-66-2    | Diethylphthalate                                | 52.7  | U         | 52.7  | 85.5 | 110        | ug/Kg |
| 7005-72-3  | 4-Chlorophenyl-phenylether                      | 56.3  | U         | 56.3  | 85.5 | 110        | ug/Kg |
| 86-73-7    | Fluorene                                        | 56.2  | U         | 56.2  | 85.5 | 110        | ug/Kg |
| 100-01-6   | 4-Nitroaniline                                  | 70.4  | U         | 70.4  | 85.5 | 110        | ug/Kg |
| 534-52-1   | 4,6-Dinitro-2-methylphenol                      | 76.9  | U         | 76.9  | 180  | 220        | ug/Kg |
| 86-30-6    | n-Nitrosodiphenylamine                          | 53.7  | U         | 53.7  | 85.5 | 110        | ug/Kg |
| 103-33-3   | Azobenzene                                      | 52.3  | U         | 52.3  | 85.5 | 110        | ug/Kg |
| 101-55-3   | 4-Bromophenyl-phenylether                       | 51.9  | U         | 51.9  | 85.5 | 110        | ug/Kg |
| 118-74-1   | Hexachlorobenzene                               | 55.9  | U         | 55.9  | 85.5 | 110        | ug/Kg |
| 1912-24-9  | Atrazine                                        | 60.1  | U         | 60.1  | 85.5 | 110        | ug/Kg |

## Report of Analysis

|                    |            |                 |                        |
|--------------------|------------|-----------------|------------------------|
| Client:            |            | Date Collected: | 10/16/2024 12:00:00 AM |
| Project:           |            | Date Received:  | 10/16/2024 12:00:00 AM |
| Client Sample ID:  | TP-5       | SDG No.:        | BF101824               |
| Lab Sample ID:     | P4425-09   | Matrix:         | Solid                  |
| Analytical Method: | 8270E      | % Moisture:     | 8.8                    |
| Sample Wt/Vol:     | 50.03      | Units:          | g                      |
| Soil Aliquot Vol:  |            | Final Vol:      | 1000 uL                |
| Extraction Type :  |            | Test:           |                        |
|                    | Decanted : | Level :         | LOW                    |
| Injection Volume : |            | GPC Factor :    |                        |
|                    |            | GPC Cleanup :   | PH :                   |

|                   |           |                        |                        |               |
|-------------------|-----------|------------------------|------------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date              | Date Analyzed          | Prep Batch ID |
| BF139862.D        | 1         | 10/17/2024 12:00:00 AM | 10/18/2024 12:00:00 AM | PB164208      |

| CAS Number        | Parameter                  | Conc.  | Qualifier | MDL    | LOD  | LOQ / CRQL | Units     |
|-------------------|----------------------------|--------|-----------|--------|------|------------|-----------|
| 87-86-5           | Pentachlorophenol          | 50.8   | U         | 50.8   | 180  | 220        | ug/Kg     |
| 85-01-8           | Phenanthrene               | 55.2   | U         | 55.2   | 85.5 | 110        | ug/Kg     |
| 120-12-7          | Anthracene                 | 55.5   | U         | 55.5   | 85.5 | 110        | ug/Kg     |
| 86-74-8           | Carbazole                  | 52.8   | U         | 52.8   | 85.5 | 110        | ug/Kg     |
| 84-74-2           | Di-n-butylphthalate        | 55.4   | U         | 55.4   | 85.5 | 110        | ug/Kg     |
| 206-44-0          | Fluoranthene               | 53.7   | U         | 53.7   | 85.5 | 110        | ug/Kg     |
| 92-87-5           | Benzidine                  | 110    | U         | 110    | 180  | 220        | ug/Kg     |
| 129-00-0          | Pyrene                     | 54.6   | U         | 54.6   | 85.5 | 110        | ug/Kg     |
| 85-68-7           | Butylbenzylphthalate       | 63.6   | U         | 63.6   | 85.5 | 110        | ug/Kg     |
| 91-94-1           | 3,3-Dichlorobenzidine      | 64.8   | U         | 64.8   | 180  | 220        | ug/Kg     |
| 56-55-3           | Benzo(a)anthracene         | 53.1   | U         | 53.1   | 85.5 | 110        | ug/Kg     |
| 218-01-9          | Chrysene                   | 52.3   | U         | 52.3   | 85.5 | 110        | ug/Kg     |
| 117-81-7          | Bis(2-ethylhexyl)phthalate | 59.8   | U         | 59.8   | 85.5 | 110        | ug/Kg     |
| 117-84-0          | Di-n-octyl phthalate       | 72.3   | U         | 72.3   | 180  | 220        | ug/Kg     |
| 205-99-2          | Benzo(b)fluoranthene       | 53.3   | U         | 53.3   | 85.5 | 110        | ug/Kg     |
| 207-08-9          | Benzo(k)fluoranthene       | 54.3   | U         | 54.3   | 85.5 | 110        | ug/Kg     |
| 50-32-8           | Benzo(a)pyrene             | 61.1   | U         | 61.1   | 85.5 | 110        | ug/Kg     |
| 193-39-5          | Indeno(1,2,3-cd)pyrene     | 51.4   | U         | 51.4   | 85.5 | 110        | ug/Kg     |
| 53-70-3           | Dibenzo(a,h)anthracene     | 53.4   | U         | 53.4   | 85.5 | 110        | ug/Kg     |
| 191-24-2          | Benzo(g,h,i)perylene       | 52.7   | U         | 52.7   | 85.5 | 110        | ug/Kg     |
| 95-94-3           | 1,2,4,5-Tetrachlorobenzene | 57.1   | U         | 57.1   | 85.5 | 110        | ug/Kg     |
| 123-91-1          | 1,4-Dioxane                | 72.3   | U         | 72.3   | 85.5 | 110        | ug/Kg     |
| 58-90-2           | 2,3,4,6-Tetrachlorophenol  | 49.1   | U         | 49.1   | 85.5 | 110        | ug/Kg     |
| 90-12-0           | 1-Methylnaphthalene        | 54.7   | U         | 54.7   | 110  | 110        | ug/Kg     |
| <b>SURROGATES</b> |                            |        |           |        |      |            |           |
| 367-12-4          | 2-Fluorophenol             | 82.242 |           | 18-112 |      | 55         | SPK: -150 |
| 13127-88-3        | Phenol-d6                  | 78.485 |           | 15-107 |      | 52         | SPK: -150 |
| 4165-60-0         | Nitrobenzene-d5            | 58.995 |           | 18-107 |      | 59         | SPK: -100 |
| 321-60-8          | 2-Fluorobiphenyl           | 64.133 |           | 20-109 |      | 64         | SPK: -100 |

## Report of Analysis

|                    |            |                 |                        |
|--------------------|------------|-----------------|------------------------|
| Client:            |            | Date Collected: | 10/16/2024 12:00:00 AM |
| Project:           |            | Date Received:  | 10/16/2024 12:00:00 AM |
| Client Sample ID:  | TP-5       | SDG No.:        | BF101824               |
| Lab Sample ID:     | P4425-09   | Matrix:         | Solid                  |
| Analytical Method: | 8270E      | % Moisture:     | 8.8                    |
| Sample Wt/Vol:     | 50.03      | Units:          | g                      |
| Soil Aliquot Vol:  |            | Final Vol:      | 1000 uL                |
| Extraction Type :  |            | Test:           |                        |
|                    | Decanted : | Level :         | LOW                    |
| Injection Volume : |            | GPC Factor :    |                        |
|                    |            | GPC Cleanup :   | PH :                   |

|                   |           |                        |                        |               |
|-------------------|-----------|------------------------|------------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date              | Date Analyzed          | Prep Batch ID |
| BF139862.D        | 1         | 10/17/2024 12:00:00 AM | 10/18/2024 12:00:00 AM | PB164208      |

| CAS Number                            | Parameter                         | Conc.  | Qualifier | MDL    | LOD | LOQ / CRQL | Units     |
|---------------------------------------|-----------------------------------|--------|-----------|--------|-----|------------|-----------|
| 118-79-6                              | 2,4,6-Tribromophenol              | 76.131 |           | 10-116 |     | 51         | SPK: -150 |
| 1718-51-0                             | Terphenyl-d14                     | 49.972 |           | 10-105 |     | 50         | SPK: -100 |
| <b>INTERNAL STANDARDS</b>             |                                   |        |           |        |     |            |           |
| 3855-82-1                             | 1,4-Dichlorobenzene-d4            | 116785 | 6.892     |        |     |            |           |
| 1146-65-2                             | Naphthalene-d8                    | 392455 | 8.169     |        |     |            |           |
| 15067-26-2                            | Acenaphthene-d10                  | 171370 | 9.922     |        |     |            |           |
| 1517-22-2                             | Phenanthrene-d10                  | 313413 | 11.41     |        |     |            |           |
| 1719-03-5                             | Chrysene-d12                      | 275934 | 14.051    |        |     |            |           |
| 1520-96-3                             | Perylene-d12                      | 184771 | 15.527    |        |     |            |           |
| <b>TENTATIVE IDENTIFIED COMPOUNDS</b> |                                   |        |           |        |     |            |           |
| 000994-05-8                           | Butane, 2-methoxy-2-methyl-       | 1600   | J         |        |     | 2.169      |           |
| 000123-42-2                           | 2-Pentanone, 4-hydroxy-4-methyl-  | 130    | A         |        |     | 5.098      |           |
| 001119-40-0                           | Pentanedioic acid, dimethyl ester | 44.3   | J         |        |     | 7.698      |           |
| 000119-61-9                           | Benzophenone                      | 100    | J         |        |     | 10.633     |           |
| 000557-61-9                           | Octacosanol                       | 99.1   | J         |        |     | 13.892     |           |

## Report of Analysis

|                    |            |                 |                        |
|--------------------|------------|-----------------|------------------------|
| Client:            |            | Date Collected: | 10/16/2024 12:00:00 AM |
| Project:           |            | Date Received:  | 10/16/2024 12:00:00 AM |
| Client Sample ID:  | PAD-2      | SDG No.:        | BF101824               |
| Lab Sample ID:     | P4426-03   | Matrix:         | Solid                  |
| Analytical Method: | 8270E      | % Moisture:     | 0                      |
| Sample Wt/Vol:     | 50.03      | Units:          | g                      |
| Soil Aliquot Vol:  |            | Final Vol:      | 1000 uL                |
| Extraction Type :  |            | Test:           |                        |
|                    | Decanted : | Level :         | LOW                    |
| Injection Volume : |            | GPC Factor :    |                        |
|                    |            | GPC Cleanup :   | PH :                   |

|                   |           |                        |                        |               |
|-------------------|-----------|------------------------|------------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date              | Date Analyzed          | Prep Batch ID |
| BF139863.D        | 1         | 10/17/2024 12:00:00 AM | 10/18/2024 12:00:00 AM | PB164216      |

| CAS Number     | Parameter                   | Conc. | Qualifier | MDL  | LOD | LOQ / CRQL | Units |
|----------------|-----------------------------|-------|-----------|------|-----|------------|-------|
| <b>TARGETS</b> |                             |       |           |      |     |            |       |
| 62-75-9        | n-Nitrosodimethylamine      | 52    | U         | 52   | 160 | 200        | ug/Kg |
| 110-86-1       | Pyridine                    | 47.9  | U         | 47.9 | 78  | 100        | ug/Kg |
| 100-52-7       | Benzaldehyde                | 110   | U         | 110  | 160 | 200        | ug/Kg |
| 62-53-3        | Aniline                     | 58.1  | U         | 58.1 | 78  | 100        | ug/Kg |
| 108-95-2       | Phenol                      | 49.7  | U         | 49.7 | 78  | 100        | ug/Kg |
| 111-44-4       | bis(2-Chloroethyl)ether     | 50.2  | U         | 50.2 | 78  | 100        | ug/Kg |
| 95-57-8        | 2-Chlorophenol              | 50.1  | U         | 50.1 | 78  | 100        | ug/Kg |
| 95-50-1        | 1,2-Dichlorobenzene         | 50.7  | U         | 50.7 | 78  | 100        | ug/Kg |
| 541-73-1       | 1,3-Dichlorobenzene         | 51.6  | U         | 51.6 | 78  | 100        | ug/Kg |
| 106-46-7       | 1,4-Dichlorobenzene         | 51.9  | U         | 51.9 | 78  | 100        | ug/Kg |
| 100-51-6       | Benzyl Alcohol              | 49.8  | U         | 49.8 | 160 | 200        | ug/Kg |
| 95-48-7        | 2-Methylphenol              | 48.3  | U         | 48.3 | 78  | 100        | ug/Kg |
| 108-60-1       | 2,2-oxybis(1-Chloropropane) | 54.5  | U         | 54.5 | 78  | 100        | ug/Kg |
| 98-86-2        | Acetophenone                | 52.1  | U         | 52.1 | 78  | 100        | ug/Kg |
| 65794-96-9     | 3+4-Methylphenols           | 47.9  | U         | 47.9 | 160 | 200        | ug/Kg |
| 621-64-7       | n-Nitroso-di-n-propylamine  | 24.2  | U         | 24.2 | 48  | 48         | ug/Kg |
| 67-72-1        | Hexachloroethane            | 49.8  | U         | 49.8 | 78  | 100        | ug/Kg |
| 98-95-3        | Nitrobenzene                | 54.4  | U         | 54.4 | 78  | 100        | ug/Kg |
| 78-59-1        | Isophorone                  | 50.7  | U         | 50.7 | 78  | 100        | ug/Kg |
| 88-75-5        | 2-Nitrophenol               | 56.7  | U         | 56.7 | 78  | 100        | ug/Kg |
| 105-67-9       | 2,4-Dimethylphenol          | 55.9  | U         | 55.9 | 78  | 100        | ug/Kg |
| 111-91-1       | bis(2-Chloroethoxy)methane  | 51.4  | U         | 51.4 | 78  | 100        | ug/Kg |
| 120-83-2       | 2,4-Dichlorophenol          | 45.3  | U         | 45.3 | 78  | 100        | ug/Kg |
| 120-82-1       | 1,2,4-Trichlorobenzene      | 51.2  | U         | 51.2 | 78  | 100        | ug/Kg |
| 65-85-0        | Benzoic acid                | 140   | U         | 140  | 160 | 200        | ug/Kg |
| 91-20-3        | Naphthalene                 | 49.5  | U         | 49.5 | 78  | 100        | ug/Kg |
| 106-47-8       | 4-Chloroaniline             | 49.5  | U         | 49.5 | 78  | 100        | ug/Kg |
| 87-68-3        | Hexachlorobutadiene         | 50    | U         | 50   | 78  | 100        | ug/Kg |

## Report of Analysis

|                    |            |                 |                        |
|--------------------|------------|-----------------|------------------------|
| Client:            |            | Date Collected: | 10/16/2024 12:00:00 AM |
| Project:           |            | Date Received:  | 10/16/2024 12:00:00 AM |
| Client Sample ID:  | PAD-2      | SDG No.:        | BF101824               |
| Lab Sample ID:     | P4426-03   | Matrix:         | Solid                  |
| Analytical Method: | 8270E      | % Moisture:     | 0                      |
| Sample Wt/Vol:     | 50.03      | Units:          | g                      |
| Soil Aliquot Vol:  |            | Final Vol:      | 1000 uL                |
| Extraction Type :  |            | Test:           |                        |
|                    | Decanted : | Level :         | LOW                    |
| Injection Volume : |            | GPC Factor :    |                        |
|                    |            | GPC Cleanup :   | PH :                   |

|                   |           |                        |                        |               |
|-------------------|-----------|------------------------|------------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date              | Date Analyzed          | Prep Batch ID |
| BF139863.D        | 1         | 10/17/2024 12:00:00 AM | 10/18/2024 12:00:00 AM | PB164216      |

| CAS Number | Parameter                                       | Conc. | Qualifier | MDL   | LOD | LOQ / CRQL | Units |
|------------|-------------------------------------------------|-------|-----------|-------|-----|------------|-------|
| 105-60-2   | Caprolactam                                     | 52    | U         | 52    | 160 | 200        | ug/Kg |
| 59-50-7    | 4-Chloro-3-methylphenol                         | 46.5  | U         | 46.5  | 78  | 100        | ug/Kg |
| 91-57-6    | 2-Methylnaphthalene                             | 49.5  | U         | 49.5  | 78  | 100        | ug/Kg |
| 77-47-4    | Hexachlorocyclopentadiene                       | 93.5  | U         | 93.5  | 160 | 200        | ug/Kg |
| 88-06-2    | 2,4,6-Trichlorophenol                           | 42.8  | U         | 42.8  | 78  | 100        | ug/Kg |
| 95-95-4    | 2,4,5-Trichlorophenol                           | 44.4  | U         | 44.4  | 78  | 100        | ug/Kg |
| 92-52-4    | 1,1-Biphenyl                                    | 52.4  | U         | 52.4  | 78  | 100        | ug/Kg |
| 91-58-7    | 2-Chloronaphthalene                             | 50    | U         | 50    | 78  | 100        | ug/Kg |
| 88-74-4    | 2-Nitroaniline                                  | 57    | U         | 57    | 78  | 100        | ug/Kg |
| 131-11-3   | Dimethylphthalate                               | 49    | U         | 49    | 78  | 100        | ug/Kg |
| 208-96-8   | Acenaphthylene                                  | 51.9  | U         | 51.9  | 78  | 100        | ug/Kg |
| 606-20-2   | 2,6-Dinitrotoluene                              | 49.9  | U         | 49.9  | 78  | 100        | ug/Kg |
| 99-09-2    | 3-Nitroaniline                                  | 53.5  | U         | 53.5  | 78  | 100        | ug/Kg |
| 83-32-9    | Acenaphthene                                    | 48.6  | U         | 48.6  | 78  | 100        | ug/Kg |
| Total PAH  | Total PAH                                       | 794.6 | U         | 794.6 | 78  | 1600       | ug/Kg |
| 51-28-5    | 2,4-Dinitrophenol                               | 150   | U         | 150   | 160 | 200        | ug/Kg |
| 100-02-7   | 4-Nitrophenol                                   | 69.6  | U         | 69.6  | 160 | 200        | ug/Kg |
| 132-64-9   | Dibenzofuran                                    | 50.6  | U         | 50.6  | 78  | 100        | ug/Kg |
| 25321-14-6 | 2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture) | 101.6 | U         | 101.6 | 78  | 200        | ug/Kg |
| 121-14-2   | 2,4-Dinitrotoluene                              | 51.7  | U         | 51.7  | 78  | 100        | ug/Kg |
| 84-66-2    | Diethylphthalate                                | 48    | U         | 48    | 78  | 100        | ug/Kg |
| 7005-72-3  | 4-Chlorophenyl-phenylether                      | 51.3  | U         | 51.3  | 78  | 100        | ug/Kg |
| 86-73-7    | Fluorene                                        | 51.3  | U         | 51.3  | 78  | 100        | ug/Kg |
| 100-01-6   | 4-Nitroaniline                                  | 64.2  | U         | 64.2  | 78  | 100        | ug/Kg |
| 534-52-1   | 4,6-Dinitro-2-methylphenol                      | 70.2  | U         | 70.2  | 160 | 200        | ug/Kg |
| 86-30-6    | n-Nitrosodiphenylamine                          | 48.9  | U         | 48.9  | 78  | 100        | ug/Kg |
| 103-33-3   | Azobenzene                                      | 47.7  | U         | 47.7  | 78  | 100        | ug/Kg |
| 101-55-3   | 4-Bromophenyl-phenylether                       | 47.3  | U         | 47.3  | 78  | 100        | ug/Kg |
| 118-74-1   | Hexachlorobenzene                               | 51    | U         | 51    | 78  | 100        | ug/Kg |
| 1912-24-9  | Atrazine                                        | 54.8  | U         | 54.8  | 78  | 100        | ug/Kg |

## Report of Analysis

|                    |            |                 |                        |
|--------------------|------------|-----------------|------------------------|
| Client:            |            | Date Collected: | 10/16/2024 12:00:00 AM |
| Project:           |            | Date Received:  | 10/16/2024 12:00:00 AM |
| Client Sample ID:  | PAD-2      | SDG No.:        | BF101824               |
| Lab Sample ID:     | P4426-03   | Matrix:         | Solid                  |
| Analytical Method: | 8270E      | % Moisture:     | 0                      |
| Sample Wt/Vol:     | 50.03      | Units:          | g                      |
| Soil Aliquot Vol:  |            | Final Vol:      | 1000 uL                |
| Extraction Type :  |            | Test:           |                        |
|                    | Decanted : | Level :         | LOW                    |
| Injection Volume : |            | GPC Factor :    |                        |
|                    |            | GPC Cleanup :   | PH :                   |

|                   |           |                        |                        |               |
|-------------------|-----------|------------------------|------------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date              | Date Analyzed          | Prep Batch ID |
| BF139863.D        | 1         | 10/17/2024 12:00:00 AM | 10/18/2024 12:00:00 AM | PB164216      |

| CAS Number        | Parameter                  | Conc.  | Qualifier | MDL    | LOD | LOQ / CRQL | Units     |
|-------------------|----------------------------|--------|-----------|--------|-----|------------|-----------|
| 87-86-5           | Pentachlorophenol          | 46.4   | U         | 46.4   | 160 | 200        | ug/Kg     |
| 85-01-8           | Phenanthrene               | 50.4   | U         | 50.4   | 78  | 100        | ug/Kg     |
| 120-12-7          | Anthracene                 | 50.6   | U         | 50.6   | 78  | 100        | ug/Kg     |
| 86-74-8           | Carbazole                  | 48.2   | U         | 48.2   | 78  | 100        | ug/Kg     |
| 84-74-2           | Di-n-butylphthalate        | 50.5   | U         | 50.5   | 78  | 100        | ug/Kg     |
| 206-44-0          | Fluoranthene               | 49     | U         | 49     | 78  | 100        | ug/Kg     |
| 92-87-5           | Benzidine                  | 97.7   | U         | 97.7   | 160 | 200        | ug/Kg     |
| 129-00-0          | Pyrene                     | 49.8   | U         | 49.8   | 78  | 100        | ug/Kg     |
| 85-68-7           | Butylbenzylphthalate       | 58     | U         | 58     | 78  | 100        | ug/Kg     |
| 91-94-1           | 3,3-Dichlorobenzidine      | 59.1   | U         | 59.1   | 160 | 200        | ug/Kg     |
| 56-55-3           | Benzo(a)anthracene         | 48.4   | U         | 48.4   | 78  | 100        | ug/Kg     |
| 218-01-9          | Chrysene                   | 47.7   | U         | 47.7   | 78  | 100        | ug/Kg     |
| 117-81-7          | Bis(2-ethylhexyl)phthalate | 54.6   | U         | 54.6   | 78  | 100        | ug/Kg     |
| 117-84-0          | Di-n-octyl phthalate       | 66     | U         | 66     | 160 | 200        | ug/Kg     |
| 205-99-2          | Benzo(b)fluoranthene       | 48.6   | U         | 48.6   | 78  | 100        | ug/Kg     |
| 207-08-9          | Benzo(k)fluoranthene       | 49.5   | U         | 49.5   | 78  | 100        | ug/Kg     |
| 50-32-8           | Benzo(a)pyrene             | 55.8   | U         | 55.8   | 78  | 100        | ug/Kg     |
| 193-39-5          | Indeno(1,2,3-cd)pyrene     | 46.8   | U         | 46.8   | 78  | 100        | ug/Kg     |
| 53-70-3           | Dibenzo(a,h)anthracene     | 48.7   | U         | 48.7   | 78  | 100        | ug/Kg     |
| 191-24-2          | Benzo(g,h,i)perylene       | 48     | U         | 48     | 78  | 100        | ug/Kg     |
| 95-94-3           | 1,2,4,5-Tetrachlorobenzene | 52     | U         | 52     | 78  | 100        | ug/Kg     |
| 123-91-1          | 1,4-Dioxane                | 66     | U         | 66     | 78  | 100        | ug/Kg     |
| 58-90-2           | 2,3,4,6-Tetrachlorophenol  | 44.8   | U         | 44.8   | 78  | 100        | ug/Kg     |
| 90-12-0           | 1-Methylnaphthalene        | 49.9   | U         | 49.9   | 100 | 100        | ug/Kg     |
| <b>SURROGATES</b> |                            |        |           |        |     |            |           |
| 367-12-4          | 2-Fluorophenol             | 35.711 |           | 18-112 |     | 24         | SPK: -150 |
| 13127-88-3        | Phenol-d6                  | 44.144 |           | 15-107 |     | 29         | SPK: -150 |
| 4165-60-0         | Nitrobenzene-d5            | 46.096 |           | 18-107 |     | 46         | SPK: -100 |
| 321-60-8          | 2-Fluorobiphenyl           | 55.037 |           | 20-109 |     | 55         | SPK: -100 |



## Report of Analysis

|                    |            |                 |                        |
|--------------------|------------|-----------------|------------------------|
| Client:            |            | Date Collected: | 10/16/2024 12:00:00 AM |
| Project:           |            | Date Received:  | 10/16/2024 12:00:00 AM |
| Client Sample ID:  | PAD-2      | SDG No.:        | BF101824               |
| Lab Sample ID:     | P4426-03   | Matrix:         | Solid                  |
| Analytical Method: | 8270E      | % Moisture:     | 0                      |
| Sample Wt/Vol:     | 50.03      | Units:          | g                      |
| Soil Aliquot Vol:  |            | Final Vol:      | 1000 uL                |
| Extraction Type :  |            | Test:           |                        |
|                    | Decanted : | Level :         | LOW                    |
| Injection Volume : |            | GPC Factor :    |                        |
|                    |            | GPC Cleanup :   | PH :                   |

|                   |           |                        |                        |               |
|-------------------|-----------|------------------------|------------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date              | Date Analyzed          | Prep Batch ID |
| BF139863.D        | 1         | 10/17/2024 12:00:00 AM | 10/18/2024 12:00:00 AM | PB164216      |

| CAS Number                | Parameter              | Conc.  | Qualifier | MDL    | LOD | LOQ / CRQL | Units     |
|---------------------------|------------------------|--------|-----------|--------|-----|------------|-----------|
| 118-79-6                  | 2,4,6-Tribromophenol   | 26.68  |           | 10-116 |     | 18         | SPK: -150 |
| 1718-51-0                 | Terphenyl-d14          | 44.053 |           | 10-105 |     | 44         | SPK: -100 |
| <b>INTERNAL STANDARDS</b> |                        |        |           |        |     |            |           |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4 | 116937 | 6.892     |        |     |            |           |
| 1146-65-2                 | Naphthalene-d8         | 380422 | 8.169     |        |     |            |           |
| 15067-26-2                | Acenaphthene-d10       | 169279 | 9.922     |        |     |            |           |
| 1517-22-2                 | Phenanthrene-d10       | 315633 | 11.41     |        |     |            |           |
| 1719-03-5                 | Chrysene-d12           | 278920 | 14.045    |        |     |            |           |
| 1520-96-3                 | Perylene-d12           | 189282 | 15.527    |        |     |            |           |

## Report of Analysis

|                    |            |                 |                        |
|--------------------|------------|-----------------|------------------------|
| Client:            |            | Date Collected: | 10/16/2024 12:00:00 AM |
| Project:           |            | Date Received:  | 10/16/2024 12:00:00 AM |
| Client Sample ID:  | PAD-4      | SDG No.:        | BF101824               |
| Lab Sample ID:     | P4426-07   | Matrix:         | Solid                  |
| Analytical Method: | 8270E      | % Moisture:     | 0                      |
| Sample Wt/Vol:     | 50.04      | Units:          | g                      |
| Soil Aliquot Vol:  |            | Final Vol:      | 1000 uL                |
| Extraction Type :  |            | Test:           |                        |
|                    | Decanted : | Level :         | LOW                    |
| Injection Volume : |            | GPC Factor :    |                        |
|                    |            | GPC Cleanup :   | PH :                   |

|                   |           |                        |                        |               |
|-------------------|-----------|------------------------|------------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date              | Date Analyzed          | Prep Batch ID |
| BF139864.D        | 1         | 10/17/2024 12:00:00 AM | 10/18/2024 12:00:00 AM | PB164216      |

| CAS Number     | Parameter                   | Conc. | Qualifier | MDL  | LOD  | LOQ / CRQL | Units |
|----------------|-----------------------------|-------|-----------|------|------|------------|-------|
| <b>TARGETS</b> |                             |       |           |      |      |            |       |
| 62-75-9        | n-Nitrosodimethylamine      | 52    | U         | 52   | 160  | 200        | ug/Kg |
| 110-86-1       | Pyridine                    | 47.9  | U         | 47.9 | 77.9 | 100        | ug/Kg |
| 100-52-7       | Benzaldehyde                | 110   | U         | 110  | 160  | 200        | ug/Kg |
| 62-53-3        | Aniline                     | 58.1  | U         | 58.1 | 77.9 | 100        | ug/Kg |
| 108-95-2       | Phenol                      | 49.7  | U         | 49.7 | 77.9 | 100        | ug/Kg |
| 111-44-4       | bis(2-Chloroethyl)ether     | 50.2  | U         | 50.2 | 77.9 | 100        | ug/Kg |
| 95-57-8        | 2-Chlorophenol              | 50.1  | U         | 50.1 | 77.9 | 100        | ug/Kg |
| 95-50-1        | 1,2-Dichlorobenzene         | 50.7  | U         | 50.7 | 77.9 | 100        | ug/Kg |
| 541-73-1       | 1,3-Dichlorobenzene         | 51.6  | U         | 51.6 | 77.9 | 100        | ug/Kg |
| 106-46-7       | 1,4-Dichlorobenzene         | 51.9  | U         | 51.9 | 77.9 | 100        | ug/Kg |
| 100-51-6       | Benzyl Alcohol              | 49.8  | U         | 49.8 | 160  | 200        | ug/Kg |
| 95-48-7        | 2-Methylphenol              | 48.3  | U         | 48.3 | 77.9 | 100        | ug/Kg |
| 108-60-1       | 2,2-oxybis(1-Chloropropane) | 54.5  | U         | 54.5 | 77.9 | 100        | ug/Kg |
| 98-86-2        | Acetophenone                | 52.1  | U         | 52.1 | 77.9 | 100        | ug/Kg |
| 65794-96-9     | 3+4-Methylphenols           | 47.8  | U         | 47.8 | 160  | 200        | ug/Kg |
| 621-64-7       | n-Nitroso-di-n-propylamine  | 24.2  | U         | 24.2 | 48   | 48         | ug/Kg |
| 67-72-1        | Hexachloroethane            | 49.8  | U         | 49.8 | 77.9 | 100        | ug/Kg |
| 98-95-3        | Nitrobenzene                | 54.4  | U         | 54.4 | 77.9 | 100        | ug/Kg |
| 78-59-1        | Isophorone                  | 50.7  | U         | 50.7 | 77.9 | 100        | ug/Kg |
| 88-75-5        | 2-Nitrophenol               | 56.7  | U         | 56.7 | 77.9 | 100        | ug/Kg |
| 105-67-9       | 2,4-Dimethylphenol          | 55.9  | U         | 55.9 | 77.9 | 100        | ug/Kg |
| 111-91-1       | bis(2-Chloroethoxy)methane  | 51.4  | U         | 51.4 | 77.9 | 100        | ug/Kg |
| 120-83-2       | 2,4-Dichlorophenol          | 45.3  | U         | 45.3 | 77.9 | 100        | ug/Kg |
| 120-82-1       | 1,2,4-Trichlorobenzene      | 51.2  | U         | 51.2 | 77.9 | 100        | ug/Kg |
| 65-85-0        | Benzoic acid                | 140   | U         | 140  | 160  | 200        | ug/Kg |
| 91-20-3        | Naphthalene                 | 49.5  | U         | 49.5 | 77.9 | 100        | ug/Kg |
| 106-47-8       | 4-Chloroaniline             | 49.5  | U         | 49.5 | 77.9 | 100        | ug/Kg |
| 87-68-3        | Hexachlorobutadiene         | 49.9  | U         | 49.9 | 77.9 | 100        | ug/Kg |

## Report of Analysis

|                    |            |                 |                        |
|--------------------|------------|-----------------|------------------------|
| Client:            |            | Date Collected: | 10/16/2024 12:00:00 AM |
| Project:           |            | Date Received:  | 10/16/2024 12:00:00 AM |
| Client Sample ID:  | PAD-4      | SDG No.:        | BF101824               |
| Lab Sample ID:     | P4426-07   | Matrix:         | Solid                  |
| Analytical Method: | 8270E      | % Moisture:     | 0                      |
| Sample Wt/Vol:     | 50.04      | Units:          | g                      |
| Soil Aliquot Vol:  |            | Final Vol:      | 1000 uL                |
| Extraction Type :  |            | Test:           |                        |
|                    | Decanted : | Level :         | LOW                    |
| Injection Volume : |            | GPC Factor :    |                        |
|                    |            | GPC Cleanup :   | PH :                   |

|                   |           |                        |                        |               |
|-------------------|-----------|------------------------|------------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date              | Date Analyzed          | Prep Batch ID |
| BF139864.D        | 1         | 10/17/2024 12:00:00 AM | 10/18/2024 12:00:00 AM | PB164216      |

| CAS Number | Parameter                                       | Conc. | Qualifier | MDL   | LOD  | LOQ / CRQL | Units |
|------------|-------------------------------------------------|-------|-----------|-------|------|------------|-------|
| 105-60-2   | Caprolactam                                     | 52    | U         | 52    | 160  | 200        | ug/Kg |
| 59-50-7    | 4-Chloro-3-methylphenol                         | 46.5  | U         | 46.5  | 77.9 | 100        | ug/Kg |
| 91-57-6    | 2-Methylnaphthalene                             | 49.5  | U         | 49.5  | 77.9 | 100        | ug/Kg |
| 77-47-4    | Hexachlorocyclopentadiene                       | 93.5  | U         | 93.5  | 160  | 200        | ug/Kg |
| 88-06-2    | 2,4,6-Trichlorophenol                           | 42.8  | U         | 42.8  | 77.9 | 100        | ug/Kg |
| 95-95-4    | 2,4,5-Trichlorophenol                           | 44.4  | U         | 44.4  | 77.9 | 100        | ug/Kg |
| 92-52-4    | 1,1-Biphenyl                                    | 52.4  | U         | 52.4  | 77.9 | 100        | ug/Kg |
| 91-58-7    | 2-Chloronaphthalene                             | 49.9  | U         | 49.9  | 77.9 | 100        | ug/Kg |
| 88-74-4    | 2-Nitroaniline                                  | 57    | U         | 57    | 77.9 | 100        | ug/Kg |
| 131-11-3   | Dimethylphthalate                               | 49    | U         | 49    | 77.9 | 100        | ug/Kg |
| 208-96-8   | Acenaphthylene                                  | 51.9  | U         | 51.9  | 77.9 | 100        | ug/Kg |
| 606-20-2   | 2,6-Dinitrotoluene                              | 49.9  | U         | 49.9  | 77.9 | 100        | ug/Kg |
| 99-09-2    | 3-Nitroaniline                                  | 53.5  | U         | 53.5  | 77.9 | 100        | ug/Kg |
| 83-32-9    | Acenaphthene                                    | 48.6  | U         | 48.6  | 77.9 | 100        | ug/Kg |
| Total PAH  | Total PAH                                       | 794.6 | U         | 794.6 | 77.9 | 1600       | ug/Kg |
| 51-28-5    | 2,4-Dinitrophenol                               | 150   | U         | 150   | 160  | 200        | ug/Kg |
| 100-02-7   | 4-Nitrophenol                                   | 69.5  | U         | 69.5  | 160  | 200        | ug/Kg |
| 132-64-9   | Dibenzofuran                                    | 50.6  | U         | 50.6  | 77.9 | 100        | ug/Kg |
| 25321-14-6 | 2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture) | 101.6 | U         | 101.6 | 77.9 | 200        | ug/Kg |
| 121-14-2   | 2,4-Dinitrotoluene                              | 51.7  | U         | 51.7  | 77.9 | 100        | ug/Kg |
| 84-66-2    | Diethylphthalate                                | 48    | U         | 48    | 77.9 | 100        | ug/Kg |
| 7005-72-3  | 4-Chlorophenyl-phenylether                      | 51.3  | U         | 51.3  | 77.9 | 100        | ug/Kg |
| 86-73-7    | Fluorene                                        | 51.3  | U         | 51.3  | 77.9 | 100        | ug/Kg |
| 100-01-6   | 4-Nitroaniline                                  | 64.1  | U         | 64.1  | 77.9 | 100        | ug/Kg |
| 534-52-1   | 4,6-Dinitro-2-methylphenol                      | 70.1  | U         | 70.1  | 160  | 200        | ug/Kg |
| 86-30-6    | n-Nitrosodiphenylamine                          | 48.9  | U         | 48.9  | 77.9 | 100        | ug/Kg |
| 103-33-3   | Azobenzene                                      | 47.7  | U         | 47.7  | 77.9 | 100        | ug/Kg |
| 101-55-3   | 4-Bromophenyl-phenylether                       | 47.3  | U         | 47.3  | 77.9 | 100        | ug/Kg |
| 118-74-1   | Hexachlorobenzene                               | 51    | U         | 51    | 77.9 | 100        | ug/Kg |
| 1912-24-9  | Atrazine                                        | 54.8  | U         | 54.8  | 77.9 | 100        | ug/Kg |

## Report of Analysis

|                    |            |                 |                        |
|--------------------|------------|-----------------|------------------------|
| Client:            |            | Date Collected: | 10/16/2024 12:00:00 AM |
| Project:           |            | Date Received:  | 10/16/2024 12:00:00 AM |
| Client Sample ID:  | PAD-4      | SDG No.:        | BF101824               |
| Lab Sample ID:     | P4426-07   | Matrix:         | Solid                  |
| Analytical Method: | 8270E      | % Moisture:     | 0                      |
| Sample Wt/Vol:     | 50.04      | Units:          | g                      |
| Soil Aliquot Vol:  |            | Final Vol:      | 1000 uL                |
| Extraction Type :  |            | Test:           |                        |
|                    | Decanted : | Level :         | LOW                    |
| Injection Volume : |            | GPC Factor :    |                        |
|                    |            | GPC Cleanup :   | PH :                   |

|                   |           |                        |                        |               |
|-------------------|-----------|------------------------|------------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date              | Date Analyzed          | Prep Batch ID |
| BF139864.D        | 1         | 10/17/2024 12:00:00 AM | 10/18/2024 12:00:00 AM | PB164216      |

| CAS Number        | Parameter                  | Conc.  | Qualifier | MDL    | LOD  | LOQ / CRQL | Units     |
|-------------------|----------------------------|--------|-----------|--------|------|------------|-----------|
| 87-86-5           | Pentachlorophenol          | 46.3   | U         | 46.3   | 160  | 200        | ug/Kg     |
| 85-01-8           | Phenanthrene               | 50.4   | U         | 50.4   | 77.9 | 100        | ug/Kg     |
| 120-12-7          | Anthracene                 | 50.6   | U         | 50.6   | 77.9 | 100        | ug/Kg     |
| 86-74-8           | Carbazole                  | 48.1   | U         | 48.1   | 77.9 | 100        | ug/Kg     |
| 84-74-2           | Di-n-butylphthalate        | 50.5   | U         | 50.5   | 77.9 | 100        | ug/Kg     |
| 206-44-0          | Fluoranthene               | 49     | U         | 49     | 77.9 | 100        | ug/Kg     |
| 92-87-5           | Benzidine                  | 97.7   | U         | 97.7   | 160  | 200        | ug/Kg     |
| 129-00-0          | Pyrene                     | 49.8   | U         | 49.8   | 77.9 | 100        | ug/Kg     |
| 85-68-7           | Butylbenzylphthalate       | 58     | U         | 58     | 77.9 | 100        | ug/Kg     |
| 91-94-1           | 3,3-Dichlorobenzidine      | 59.1   | U         | 59.1   | 160  | 200        | ug/Kg     |
| 56-55-3           | Benzo(a)anthracene         | 48.4   | U         | 48.4   | 77.9 | 100        | ug/Kg     |
| 218-01-9          | Chrysene                   | 47.7   | U         | 47.7   | 77.9 | 100        | ug/Kg     |
| 117-81-7          | Bis(2-ethylhexyl)phthalate | 54.6   | U         | 54.6   | 77.9 | 100        | ug/Kg     |
| 117-84-0          | Di-n-octyl phthalate       | 65.9   | U         | 65.9   | 160  | 200        | ug/Kg     |
| 205-99-2          | Benzo(b)fluoranthene       | 48.6   | U         | 48.6   | 77.9 | 100        | ug/Kg     |
| 207-08-9          | Benzo(k)fluoranthene       | 49.5   | U         | 49.5   | 77.9 | 100        | ug/Kg     |
| 50-32-8           | Benzo(a)pyrene             | 55.8   | U         | 55.8   | 77.9 | 100        | ug/Kg     |
| 193-39-5          | Indeno(1,2,3-cd)pyrene     | 46.8   | U         | 46.8   | 77.9 | 100        | ug/Kg     |
| 53-70-3           | Dibenzo(a,h)anthracene     | 48.7   | U         | 48.7   | 77.9 | 100        | ug/Kg     |
| 191-24-2          | Benzo(g,h,i)perylene       | 48     | U         | 48     | 77.9 | 100        | ug/Kg     |
| 95-94-3           | 1,2,4,5-Tetrachlorobenzene | 52     | U         | 52     | 77.9 | 100        | ug/Kg     |
| 123-91-1          | 1,4-Dioxane                | 65.9   | U         | 65.9   | 77.9 | 100        | ug/Kg     |
| 58-90-2           | 2,3,4,6-Tetrachlorophenol  | 44.8   | U         | 44.8   | 77.9 | 100        | ug/Kg     |
| 90-12-0           | 1-Methylnaphthalene        | 49.9   | U         | 49.9   | 100  | 100        | ug/Kg     |
| <b>SURROGATES</b> |                            |        |           |        |      |            |           |
| 367-12-4          | 2-Fluorophenol             | 38.879 |           | 18-112 |      | 26         | SPK: -150 |
| 13127-88-3        | Phenol-d6                  | 49.388 |           | 15-107 |      | 33         | SPK: -150 |
| 4165-60-0         | Nitrobenzene-d5            | 52.114 |           | 18-107 |      | 52         | SPK: -100 |
| 321-60-8          | 2-Fluorobiphenyl           | 64.174 |           | 20-109 |      | 64         | SPK: -100 |

## Report of Analysis

|                    |            |                 |                        |
|--------------------|------------|-----------------|------------------------|
| Client:            |            | Date Collected: | 10/16/2024 12:00:00 AM |
| Project:           |            | Date Received:  | 10/16/2024 12:00:00 AM |
| Client Sample ID:  | PAD-4      | SDG No.:        | BF101824               |
| Lab Sample ID:     | P4426-07   | Matrix:         | Solid                  |
| Analytical Method: | 8270E      | % Moisture:     | 0                      |
| Sample Wt/Vol:     | 50.04      | Units:          | g                      |
| Soil Aliquot Vol:  |            | Final Vol:      | 1000 uL                |
| Extraction Type :  |            | Test:           |                        |
|                    | Decanted : | Level :         | LOW                    |
| Injection Volume : |            | GPC Factor :    |                        |
|                    |            | GPC Cleanup :   | PH :                   |

|                   |           |                        |                        |               |
|-------------------|-----------|------------------------|------------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date              | Date Analyzed          | Prep Batch ID |
| BF139864.D        | 1         | 10/17/2024 12:00:00 AM | 10/18/2024 12:00:00 AM | PB164216      |

| CAS Number                | Parameter              | Conc.  | Qualifier | MDL    | LOD | LOQ / CRQL | Units     |
|---------------------------|------------------------|--------|-----------|--------|-----|------------|-----------|
| 118-79-6                  | 2,4,6-Tribromophenol   | 29.783 |           | 10-116 |     | 20         | SPK: -150 |
| 1718-51-0                 | Terphenyl-d14          | 51.878 |           | 10-105 |     | 52         | SPK: -100 |
| <b>INTERNAL STANDARDS</b> |                        |        |           |        |     |            |           |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4 | 128568 | 6.892     |        |     |            |           |
| 1146-65-2                 | Naphthalene-d8         | 429920 | 8.169     |        |     |            |           |
| 15067-26-2                | Acenaphthene-d10       | 184268 | 9.922     |        |     |            |           |
| 1517-22-2                 | Phenanthrene-d10       | 333846 | 11.41     |        |     |            |           |
| 1719-03-5                 | Chrysene-d12           | 286044 | 14.051    |        |     |            |           |
| 1520-96-3                 | Perylene-d12           | 194650 | 15.527    |        |     |            |           |

## Report of Analysis

|                    |            |                 |                        |
|--------------------|------------|-----------------|------------------------|
| Client:            |            | Date Collected: | 10/16/2024 12:00:00 AM |
| Project:           |            | Date Received:  | 10/16/2024 12:00:00 AM |
| Client Sample ID:  | PAD-9      | SDG No.:        | BF101824               |
| Lab Sample ID:     | P4426-17   | Matrix:         | Solid                  |
| Analytical Method: | 8270E      | % Moisture:     | 0                      |
| Sample Wt/Vol:     | 50.07      | Units:          | g                      |
| Soil Aliquot Vol:  |            | Final Vol:      | 1000 uL                |
| Extraction Type :  |            | Test:           |                        |
|                    | Decanted : | Level :         | LOW                    |
| Injection Volume : |            | GPC Factor :    |                        |
|                    |            | GPC Cleanup :   | PH :                   |

|                   |           |                        |                        |               |
|-------------------|-----------|------------------------|------------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date              | Date Analyzed          | Prep Batch ID |
| BF139865.D        | 1         | 10/17/2024 12:00:00 AM | 10/18/2024 12:00:00 AM | PB164216      |

| CAS Number     | Parameter                   | Conc. | Qualifier | MDL  | LOD  | LOQ / CRQL | Units |
|----------------|-----------------------------|-------|-----------|------|------|------------|-------|
| <b>TARGETS</b> |                             |       |           |      |      |            |       |
| 62-75-9        | n-Nitrosodimethylamine      | 52    | U         | 52   | 160  | 200        | ug/Kg |
| 110-86-1       | Pyridine                    | 47.9  | U         | 47.9 | 77.9 | 100        | ug/Kg |
| 100-52-7       | Benzaldehyde                | 110   | U         | 110  | 160  | 200        | ug/Kg |
| 62-53-3        | Aniline                     | 58.1  | U         | 58.1 | 77.9 | 100        | ug/Kg |
| 108-95-2       | Phenol                      | 49.7  | U         | 49.7 | 77.9 | 100        | ug/Kg |
| 111-44-4       | bis(2-Chloroethyl)ether     | 50.1  | U         | 50.1 | 77.9 | 100        | ug/Kg |
| 95-57-8        | 2-Chlorophenol              | 50    | U         | 50   | 77.9 | 100        | ug/Kg |
| 95-50-1        | 1,2-Dichlorobenzene         | 50.7  | U         | 50.7 | 77.9 | 100        | ug/Kg |
| 541-73-1       | 1,3-Dichlorobenzene         | 51.5  | U         | 51.5 | 77.9 | 100        | ug/Kg |
| 106-46-7       | 1,4-Dichlorobenzene         | 51.8  | U         | 51.8 | 77.9 | 100        | ug/Kg |
| 100-51-6       | Benzyl Alcohol              | 49.7  | U         | 49.7 | 160  | 200        | ug/Kg |
| 95-48-7        | 2-Methylphenol              | 48.3  | U         | 48.3 | 77.9 | 100        | ug/Kg |
| 108-60-1       | 2,2-oxybis(1-Chloropropane) | 54.5  | U         | 54.5 | 77.9 | 100        | ug/Kg |
| 98-86-2        | Acetophenone                | 52.1  | U         | 52.1 | 77.9 | 100        | ug/Kg |
| 65794-96-9     | 3+4-Methylphenols           | 47.8  | U         | 47.8 | 160  | 200        | ug/Kg |
| 621-64-7       | n-Nitroso-di-n-propylamine  | 24.1  | U         | 24.1 | 47.9 | 47.9       | ug/Kg |
| 67-72-1        | Hexachloroethane            | 49.7  | U         | 49.7 | 77.9 | 100        | ug/Kg |
| 98-95-3        | Nitrobenzene                | 54.4  | U         | 54.4 | 77.9 | 100        | ug/Kg |
| 78-59-1        | Isophorone                  | 50.7  | U         | 50.7 | 77.9 | 100        | ug/Kg |
| 88-75-5        | 2-Nitrophenol               | 56.6  | U         | 56.6 | 77.9 | 100        | ug/Kg |
| 105-67-9       | 2,4-Dimethylphenol          | 55.8  | U         | 55.8 | 77.9 | 100        | ug/Kg |
| 111-91-1       | bis(2-Chloroethoxy)methane  | 51.4  | U         | 51.4 | 77.9 | 100        | ug/Kg |
| 120-83-2       | 2,4-Dichlorophenol          | 45.2  | U         | 45.2 | 77.9 | 100        | ug/Kg |
| 120-82-1       | 1,2,4-Trichlorobenzene      | 51.2  | U         | 51.2 | 77.9 | 100        | ug/Kg |
| 65-85-0        | Benzoic acid                | 140   | U         | 140  | 160  | 200        | ug/Kg |
| 91-20-3        | Naphthalene                 | 49.5  | U         | 49.5 | 77.9 | 100        | ug/Kg |
| 106-47-8       | 4-Chloroaniline             | 49.5  | U         | 49.5 | 77.9 | 100        | ug/Kg |
| 87-68-3        | Hexachlorobutadiene         | 49.9  | U         | 49.9 | 77.9 | 100        | ug/Kg |

## Report of Analysis

|                    |            |                 |                        |
|--------------------|------------|-----------------|------------------------|
| Client:            |            | Date Collected: | 10/16/2024 12:00:00 AM |
| Project:           |            | Date Received:  | 10/16/2024 12:00:00 AM |
| Client Sample ID:  | PAD-9      | SDG No.:        | BF101824               |
| Lab Sample ID:     | P4426-17   | Matrix:         | Solid                  |
| Analytical Method: | 8270E      | % Moisture:     | 0                      |
| Sample Wt/Vol:     | 50.07      | Units:          | g                      |
| Soil Aliquot Vol:  |            | Final Vol:      | 1000 uL                |
| Extraction Type :  |            | Test:           |                        |
|                    | Decanted : | Level :         | LOW                    |
| Injection Volume : |            | GPC Factor :    |                        |
|                    |            | GPC Cleanup :   | PH :                   |

|                   |           |                        |                        |               |
|-------------------|-----------|------------------------|------------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date              | Date Analyzed          | Prep Batch ID |
| BF139865.D        | 1         | 10/17/2024 12:00:00 AM | 10/18/2024 12:00:00 AM | PB164216      |

| CAS Number | Parameter                                       | Conc. | Qualifier | MDL   | LOD  | LOQ / CRQL | Units |
|------------|-------------------------------------------------|-------|-----------|-------|------|------------|-------|
| 105-60-2   | Caprolactam                                     | 52    | U         | 52    | 160  | 200        | ug/Kg |
| 59-50-7    | 4-Chloro-3-methylphenol                         | 46.4  | U         | 46.4  | 77.9 | 100        | ug/Kg |
| 91-57-6    | 2-Methylnaphthalene                             | 49.4  | U         | 49.4  | 77.9 | 100        | ug/Kg |
| 77-47-4    | Hexachlorocyclopentadiene                       | 93.5  | U         | 93.5  | 160  | 200        | ug/Kg |
| 88-06-2    | 2,4,6-Trichlorophenol                           | 42.8  | U         | 42.8  | 77.9 | 100        | ug/Kg |
| 95-95-4    | 2,4,5-Trichlorophenol                           | 44.3  | U         | 44.3  | 77.9 | 100        | ug/Kg |
| 92-52-4    | 1,1-Biphenyl                                    | 52.4  | U         | 52.4  | 77.9 | 100        | ug/Kg |
| 91-58-7    | 2-Chloronaphthalene                             | 49.9  | U         | 49.9  | 77.9 | 100        | ug/Kg |
| 88-74-4    | 2-Nitroaniline                                  | 56.9  | U         | 56.9  | 77.9 | 100        | ug/Kg |
| 131-11-3   | Dimethylphthalate                               | 49    | U         | 49    | 77.9 | 100        | ug/Kg |
| 208-96-8   | Acenaphthylene                                  | 51.8  | U         | 51.8  | 77.9 | 100        | ug/Kg |
| 606-20-2   | 2,6-Dinitrotoluene                              | 49.9  | U         | 49.9  | 77.9 | 100        | ug/Kg |
| 99-09-2    | 3-Nitroaniline                                  | 53.4  | U         | 53.4  | 77.9 | 100        | ug/Kg |
| 83-32-9    | Acenaphthene                                    | 48.6  | U         | 48.6  | 77.9 | 100        | ug/Kg |
| Total PAH  | Total PAH                                       | 794   | U         | 794   | 77.9 | 1600       | ug/Kg |
| 51-28-5    | 2,4-Dinitrophenol                               | 150   | U         | 150   | 160  | 200        | ug/Kg |
| 100-02-7   | 4-Nitrophenol                                   | 69.5  | U         | 69.5  | 160  | 200        | ug/Kg |
| 132-64-9   | Dibenzofuran                                    | 50.6  | U         | 50.6  | 77.9 | 100        | ug/Kg |
| 25321-14-6 | 2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture) | 101.5 | U         | 101.5 | 77.9 | 200        | ug/Kg |
| 121-14-2   | 2,4-Dinitrotoluene                              | 51.6  | U         | 51.6  | 77.9 | 100        | ug/Kg |
| 84-66-2    | Diethylphthalate                                | 48    | U         | 48    | 77.9 | 100        | ug/Kg |
| 7005-72-3  | 4-Chlorophenyl-phenylether                      | 51.3  | U         | 51.3  | 77.9 | 100        | ug/Kg |
| 86-73-7    | Fluorene                                        | 51.2  | U         | 51.2  | 77.9 | 100        | ug/Kg |
| 100-01-6   | 4-Nitroaniline                                  | 64.1  | U         | 64.1  | 77.9 | 100        | ug/Kg |
| 534-52-1   | 4,6-Dinitro-2-methylphenol                      | 70.1  | U         | 70.1  | 160  | 200        | ug/Kg |
| 86-30-6    | n-Nitrosodiphenylamine                          | 48.9  | U         | 48.9  | 77.9 | 100        | ug/Kg |
| 103-33-3   | Azobenzene                                      | 47.7  | U         | 47.7  | 77.9 | 100        | ug/Kg |
| 101-55-3   | 4-Bromophenyl-phenylether                       | 47.3  | U         | 47.3  | 77.9 | 100        | ug/Kg |
| 118-74-1   | Hexachlorobenzene                               | 50.9  | U         | 50.9  | 77.9 | 100        | ug/Kg |
| 1912-24-9  | Atrazine                                        | 54.8  | U         | 54.8  | 77.9 | 100        | ug/Kg |

## Report of Analysis

|                    |            |                 |                        |
|--------------------|------------|-----------------|------------------------|
| Client:            |            | Date Collected: | 10/16/2024 12:00:00 AM |
| Project:           |            | Date Received:  | 10/16/2024 12:00:00 AM |
| Client Sample ID:  | PAD-9      | SDG No.:        | BF101824               |
| Lab Sample ID:     | P4426-17   | Matrix:         | Solid                  |
| Analytical Method: | 8270E      | % Moisture:     | 0                      |
| Sample Wt/Vol:     | 50.07      | Units:          | g                      |
| Soil Aliquot Vol:  |            | Final Vol:      | 1000 uL                |
| Extraction Type :  |            | Test:           |                        |
|                    | Decanted : | Level :         | LOW                    |
| Injection Volume : |            | GPC Factor :    |                        |
|                    |            | GPC Cleanup :   | PH :                   |

|                   |           |                        |                        |               |
|-------------------|-----------|------------------------|------------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date              | Date Analyzed          | Prep Batch ID |
| BF139865.D        | 1         | 10/17/2024 12:00:00 AM | 10/18/2024 12:00:00 AM | PB164216      |

| CAS Number        | Parameter                  | Conc.  | Qualifier | MDL    | LOD  | LOQ / CRQL | Units     |
|-------------------|----------------------------|--------|-----------|--------|------|------------|-----------|
| 87-86-5           | Pentachlorophenol          | 46.3   | U         | 46.3   | 160  | 200        | ug/Kg     |
| 85-01-8           | Phenanthrene               | 50.3   | U         | 50.3   | 77.9 | 100        | ug/Kg     |
| 120-12-7          | Anthracene                 | 50.6   | U         | 50.6   | 77.9 | 100        | ug/Kg     |
| 86-74-8           | Carbazole                  | 48.1   | U         | 48.1   | 77.9 | 100        | ug/Kg     |
| 84-74-2           | Di-n-butylphthalate        | 50.5   | U         | 50.5   | 77.9 | 100        | ug/Kg     |
| 206-44-0          | Fluoranthene               | 49     | U         | 49     | 77.9 | 100        | ug/Kg     |
| 92-87-5           | Benzidine                  | 97.7   | U         | 97.7   | 160  | 200        | ug/Kg     |
| 129-00-0          | Pyrene                     | 49.7   | U         | 49.7   | 77.9 | 100        | ug/Kg     |
| 85-68-7           | Butylbenzylphthalate       | 58     | U         | 58     | 77.9 | 100        | ug/Kg     |
| 91-94-1           | 3,3-Dichlorobenzidine      | 59.1   | U         | 59.1   | 160  | 200        | ug/Kg     |
| 56-55-3           | Benzo(a)anthracene         | 48.4   | U         | 48.4   | 77.9 | 100        | ug/Kg     |
| 218-01-9          | Chrysene                   | 47.6   | U         | 47.6   | 77.9 | 100        | ug/Kg     |
| 117-81-7          | Bis(2-ethylhexyl)phthalate | 54.5   | U         | 54.5   | 77.9 | 100        | ug/Kg     |
| 117-84-0          | Di-n-octyl phthalate       | 65.9   | U         | 65.9   | 160  | 200        | ug/Kg     |
| 205-99-2          | Benzo(b)fluoranthene       | 48.6   | U         | 48.6   | 77.9 | 100        | ug/Kg     |
| 207-08-9          | Benzo(k)fluoranthene       | 49.5   | U         | 49.5   | 77.9 | 100        | ug/Kg     |
| 50-32-8           | Benzo(a)pyrene             | 55.7   | U         | 55.7   | 77.9 | 100        | ug/Kg     |
| 193-39-5          | Indeno(1,2,3-cd)pyrene     | 46.8   | U         | 46.8   | 77.9 | 100        | ug/Kg     |
| 53-70-3           | Dibenzo(a,h)anthracene     | 48.7   | U         | 48.7   | 77.9 | 100        | ug/Kg     |
| 191-24-2          | Benzo(g,h,i)perylene       | 48     | U         | 48     | 77.9 | 100        | ug/Kg     |
| 95-94-3           | 1,2,4,5-Tetrachlorobenzene | 52     | U         | 52     | 77.9 | 100        | ug/Kg     |
| 123-91-1          | 1,4-Dioxane                | 65.9   | U         | 65.9   | 77.9 | 100        | ug/Kg     |
| 58-90-2           | 2,3,4,6-Tetrachlorophenol  | 44.8   | U         | 44.8   | 77.9 | 100        | ug/Kg     |
| 90-12-0           | 1-Methylnaphthalene        | 49.9   | U         | 49.9   | 100  | 100        | ug/Kg     |
| <b>SURROGATES</b> |                            |        |           |        |      |            |           |
| 367-12-4          | 2-Fluorophenol             | 23.227 | *         | 18-112 |      | 15         | SPK: -150 |
| 13127-88-3        | Phenol-d6                  | 35.536 |           | 15-107 |      | 24         | SPK: -150 |
| 4165-60-0         | Nitrobenzene-d5            | 39.511 |           | 18-107 |      | 40         | SPK: -100 |
| 321-60-8          | 2-Fluorobiphenyl           | 51.677 |           | 20-109 |      | 52         | SPK: -100 |



## Report of Analysis

|                    |            |                 |                        |
|--------------------|------------|-----------------|------------------------|
| Client:            |            | Date Collected: | 10/16/2024 12:00:00 AM |
| Project:           |            | Date Received:  | 10/16/2024 12:00:00 AM |
| Client Sample ID:  | PAD-9      | SDG No.:        | BF101824               |
| Lab Sample ID:     | P4426-17   | Matrix:         | Solid                  |
| Analytical Method: | 8270E      | % Moisture:     | 0                      |
| Sample Wt/Vol:     | 50.07      | Units:          | g                      |
| Soil Aliquot Vol:  |            | Final Vol:      | 1000 uL                |
| Extraction Type :  |            | Test:           |                        |
|                    | Decanted : | Level :         | LOW                    |
| Injection Volume : |            | GPC Factor :    |                        |
|                    |            | GPC Cleanup :   | PH :                   |

|                   |           |                        |                        |               |
|-------------------|-----------|------------------------|------------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date              | Date Analyzed          | Prep Batch ID |
| BF139865.D        | 1         | 10/17/2024 12:00:00 AM | 10/18/2024 12:00:00 AM | PB164216      |

| CAS Number                | Parameter              | Conc.  | Qualifier | MDL    | LOD | LOQ / CRQL | Units     |
|---------------------------|------------------------|--------|-----------|--------|-----|------------|-----------|
| 118-79-6                  | 2,4,6-Tribromophenol   | 14.654 |           | 10-116 |     | 10         | SPK: -150 |
| 1718-51-0                 | Terphenyl-d14          | 45.247 |           | 10-105 |     | 45         | SPK: -100 |
| <b>INTERNAL STANDARDS</b> |                        |        |           |        |     |            |           |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4 | 125428 | 6.892     |        |     |            |           |
| 1146-65-2                 | Naphthalene-d8         | 422071 | 8.169     |        |     |            |           |
| 15067-26-2                | Acenaphthene-d10       | 186358 | 9.922     |        |     |            |           |
| 1517-22-2                 | Phenanthrene-d10       | 336553 | 11.41     |        |     |            |           |
| 1719-03-5                 | Chrysene-d12           | 285337 | 14.051    |        |     |            |           |
| 1520-96-3                 | Perylene-d12           | 194355 | 15.527    |        |     |            |           |

## Report of Analysis

|                    |            |                 |                        |
|--------------------|------------|-----------------|------------------------|
| Client:            |            | Date Collected: | 10/16/2024 12:00:00 AM |
| Project:           |            | Date Received:  | 10/16/2024 12:00:00 AM |
| Client Sample ID:  | PAD-6      | SDG No.:        | BF101824               |
| Lab Sample ID:     | P4426-11   | Matrix:         | Solid                  |
| Analytical Method: | 8270E      | % Moisture:     | 0                      |
| Sample Wt/Vol:     | 50.1       | Units:          | g                      |
| Soil Aliquot Vol:  |            | Final Vol:      | 1000 uL                |
| Extraction Type :  |            | Test:           |                        |
|                    | Decanted : | Level :         | LOW                    |
| Injection Volume : |            | GPC Factor :    |                        |
|                    |            | GPC Cleanup :   | PH :                   |

|                   |           |                        |                        |               |
|-------------------|-----------|------------------------|------------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date              | Date Analyzed          | Prep Batch ID |
| BF139866.D        | 1         | 10/17/2024 12:00:00 AM | 10/18/2024 12:00:00 AM | PB164216      |

| CAS Number     | Parameter                   | Conc. | Qualifier | MDL  | LOD  | LOQ / CRQL | Units |
|----------------|-----------------------------|-------|-----------|------|------|------------|-------|
| <b>TARGETS</b> |                             |       |           |      |      |            |       |
| 62-75-9        | n-Nitrosodimethylamine      | 52    | U         | 52   | 160  | 200        | ug/Kg |
| 110-86-1       | Pyridine                    | 47.8  | U         | 47.8 | 77.8 | 100        | ug/Kg |
| 100-52-7       | Benzaldehyde                | 110   | U         | 110  | 160  | 200        | ug/Kg |
| 62-53-3        | Aniline                     | 58    | U         | 58   | 77.8 | 100        | ug/Kg |
| 108-95-2       | Phenol                      | 49.6  | U         | 49.6 | 77.8 | 100        | ug/Kg |
| 111-44-4       | bis(2-Chloroethyl)ether     | 50.1  | U         | 50.1 | 77.8 | 100        | ug/Kg |
| 95-57-8        | 2-Chlorophenol              | 50    | U         | 50   | 77.8 | 100        | ug/Kg |
| 95-50-1        | 1,2-Dichlorobenzene         | 50.7  | U         | 50.7 | 77.8 | 100        | ug/Kg |
| 541-73-1       | 1,3-Dichlorobenzene         | 51.5  | U         | 51.5 | 77.8 | 100        | ug/Kg |
| 106-46-7       | 1,4-Dichlorobenzene         | 51.8  | U         | 51.8 | 77.8 | 100        | ug/Kg |
| 100-51-6       | Benzyl Alcohol              | 49.7  | U         | 49.7 | 160  | 200        | ug/Kg |
| 95-48-7        | 2-Methylphenol              | 48.3  | U         | 48.3 | 77.8 | 100        | ug/Kg |
| 108-60-1       | 2,2-oxybis(1-Chloropropane) | 54.4  | U         | 54.4 | 77.8 | 100        | ug/Kg |
| 98-86-2        | Acetophenone                | 52    | U         | 52   | 77.8 | 100        | ug/Kg |
| 65794-96-9     | 3+4-Methylphenols           | 47.8  | U         | 47.8 | 160  | 200        | ug/Kg |
| 621-64-7       | n-Nitroso-di-n-propylamine  | 24.1  | U         | 24.1 | 47.9 | 47.9       | ug/Kg |
| 67-72-1        | Hexachloroethane            | 49.7  | U         | 49.7 | 77.8 | 100        | ug/Kg |
| 98-95-3        | Nitrobenzene                | 54.4  | U         | 54.4 | 77.8 | 100        | ug/Kg |
| 78-59-1        | Isophorone                  | 50.7  | U         | 50.7 | 77.8 | 100        | ug/Kg |
| 88-75-5        | 2-Nitrophenol               | 56.6  | U         | 56.6 | 77.8 | 100        | ug/Kg |
| 105-67-9       | 2,4-Dimethylphenol          | 55.8  | U         | 55.8 | 77.8 | 100        | ug/Kg |
| 111-91-1       | bis(2-Chloroethoxy)methane  | 51.4  | U         | 51.4 | 77.8 | 100        | ug/Kg |
| 120-83-2       | 2,4-Dichlorophenol          | 45.2  | U         | 45.2 | 77.8 | 100        | ug/Kg |
| 120-82-1       | 1,2,4-Trichlorobenzene      | 51.1  | U         | 51.1 | 77.8 | 100        | ug/Kg |
| 65-85-0        | Benzoic acid                | 140   | U         | 140  | 160  | 200        | ug/Kg |
| 91-20-3        | Naphthalene                 | 49.5  | U         | 49.5 | 77.8 | 100        | ug/Kg |
| 106-47-8       | 4-Chloroaniline             | 49.5  | U         | 49.5 | 77.8 | 100        | ug/Kg |
| 87-68-3        | Hexachlorobutadiene         | 49.9  | U         | 49.9 | 77.8 | 100        | ug/Kg |

## Report of Analysis

|                    |            |                 |                        |
|--------------------|------------|-----------------|------------------------|
| Client:            |            | Date Collected: | 10/16/2024 12:00:00 AM |
| Project:           |            | Date Received:  | 10/16/2024 12:00:00 AM |
| Client Sample ID:  | PAD-6      | SDG No.:        | BF101824               |
| Lab Sample ID:     | P4426-11   | Matrix:         | Solid                  |
| Analytical Method: | 8270E      | % Moisture:     | 0                      |
| Sample Wt/Vol:     | 50.1       | Units:          | g                      |
| Soil Aliquot Vol:  |            | Final Vol:      | 1000 uL                |
| Extraction Type :  |            | Test:           |                        |
|                    | Decanted : | Level :         | LOW                    |
| Injection Volume : |            | GPC Factor :    |                        |
|                    |            | GPC Cleanup :   | PH :                   |

|                   |           |                        |                        |               |
|-------------------|-----------|------------------------|------------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date              | Date Analyzed          | Prep Batch ID |
| BF139866.D        | 1         | 10/17/2024 12:00:00 AM | 10/18/2024 12:00:00 AM | PB164216      |

| CAS Number | Parameter                                       | Conc. | Qualifier | MDL   | LOD  | LOQ / CRQL | Units |
|------------|-------------------------------------------------|-------|-----------|-------|------|------------|-------|
| 105-60-2   | Caprolactam                                     | 52    | U         | 52    | 160  | 200        | ug/Kg |
| 59-50-7    | 4-Chloro-3-methylphenol                         | 46.4  | U         | 46.4  | 77.8 | 100        | ug/Kg |
| 91-57-6    | 2-Methylnaphthalene                             | 49.4  | U         | 49.4  | 77.8 | 100        | ug/Kg |
| 77-47-4    | Hexachlorocyclopentadiene                       | 93.4  | U         | 93.4  | 160  | 200        | ug/Kg |
| 88-06-2    | 2,4,6-Trichlorophenol                           | 42.8  | U         | 42.8  | 77.8 | 100        | ug/Kg |
| 95-95-4    | 2,4,5-Trichlorophenol                           | 44.3  | U         | 44.3  | 77.8 | 100        | ug/Kg |
| 92-52-4    | 1,1-Biphenyl                                    | 52.3  | U         | 52.3  | 77.8 | 100        | ug/Kg |
| 91-58-7    | 2-Chloronaphthalene                             | 49.9  | U         | 49.9  | 77.8 | 100        | ug/Kg |
| 88-74-4    | 2-Nitroaniline                                  | 56.9  | U         | 56.9  | 77.8 | 100        | ug/Kg |
| 131-11-3   | Dimethylphthalate                               | 48.9  | U         | 48.9  | 77.8 | 100        | ug/Kg |
| 208-96-8   | Acenaphthylene                                  | 51.8  | U         | 51.8  | 77.8 | 100        | ug/Kg |
| 606-20-2   | 2,6-Dinitrotoluene                              | 49.8  | U         | 49.8  | 77.8 | 100        | ug/Kg |
| 99-09-2    | 3-Nitroaniline                                  | 53.4  | U         | 53.4  | 77.8 | 100        | ug/Kg |
| 83-32-9    | Acenaphthene                                    | 48.6  | U         | 48.6  | 77.8 | 100        | ug/Kg |
| Total PAH  | Total PAH                                       | 793.6 | U         | 793.6 | 77.8 | 1600       | ug/Kg |
| 51-28-5    | 2,4-Dinitrophenol                               | 150   | U         | 150   | 160  | 200        | ug/Kg |
| 100-02-7   | 4-Nitrophenol                                   | 69.5  | U         | 69.5  | 160  | 200        | ug/Kg |
| 132-64-9   | Dibenzofuran                                    | 50.5  | U         | 50.5  | 77.8 | 100        | ug/Kg |
| 121-14-2   | 2,4-Dinitrotoluene                              | 51.6  | U         | 51.6  | 77.8 | 100        | ug/Kg |
| 25321-14-6 | 2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture) | 101.4 | U         | 101.4 | 77.8 | 200        | ug/Kg |
| 84-66-2    | Diethylphthalate                                | 48    | U         | 48    | 77.8 | 100        | ug/Kg |
| 7005-72-3  | 4-Chlorophenyl-phenylether                      | 51.3  | U         | 51.3  | 77.8 | 100        | ug/Kg |
| 86-73-7    | Fluorene                                        | 51.2  | U         | 51.2  | 77.8 | 100        | ug/Kg |
| 100-01-6   | 4-Nitroaniline                                  | 64.1  | U         | 64.1  | 77.8 | 100        | ug/Kg |
| 534-52-1   | 4,6-Dinitro-2-methylphenol                      | 70.1  | U         | 70.1  | 160  | 200        | ug/Kg |
| 86-30-6    | n-Nitrosodiphenylamine                          | 48.9  | U         | 48.9  | 77.8 | 100        | ug/Kg |
| 103-33-3   | Azobenzene                                      | 47.7  | U         | 47.7  | 77.8 | 100        | ug/Kg |
| 101-55-3   | 4-Bromophenyl-phenylether                       | 47.2  | U         | 47.2  | 77.8 | 100        | ug/Kg |
| 118-74-1   | Hexachlorobenzene                               | 50.9  | U         | 50.9  | 77.8 | 100        | ug/Kg |
| 1912-24-9  | Atrazine                                        | 54.7  | U         | 54.7  | 77.8 | 100        | ug/Kg |

## Report of Analysis

|                    |            |                 |                        |
|--------------------|------------|-----------------|------------------------|
| Client:            |            | Date Collected: | 10/16/2024 12:00:00 AM |
| Project:           |            | Date Received:  | 10/16/2024 12:00:00 AM |
| Client Sample ID:  | PAD-6      | SDG No.:        | BF101824               |
| Lab Sample ID:     | P4426-11   | Matrix:         | Solid                  |
| Analytical Method: | 8270E      | % Moisture:     | 0                      |
| Sample Wt/Vol:     | 50.1       | Units:          | g                      |
| Soil Aliquot Vol:  |            | Final Vol:      | 1000 uL                |
| Extraction Type :  |            | Test:           |                        |
|                    | Decanted : | Level :         | LOW                    |
| Injection Volume : |            | GPC Factor :    |                        |
|                    |            | GPC Cleanup :   | PH :                   |

|                   |           |                        |                        |               |
|-------------------|-----------|------------------------|------------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date              | Date Analyzed          | Prep Batch ID |
| BF139866.D        | 1         | 10/17/2024 12:00:00 AM | 10/18/2024 12:00:00 AM | PB164216      |

| CAS Number        | Parameter                  | Conc.  | Qualifier | MDL    | LOD  | LOQ / CRQL | Units     |
|-------------------|----------------------------|--------|-----------|--------|------|------------|-----------|
| 87-86-5           | Pentachlorophenol          | 46.3   | U         | 46.3   | 160  | 200        | ug/Kg     |
| 85-01-8           | Phenanthrene               | 50.3   | U         | 50.3   | 77.8 | 100        | ug/Kg     |
| 120-12-7          | Anthracene                 | 50.5   | U         | 50.5   | 77.8 | 100        | ug/Kg     |
| 86-74-8           | Carbazole                  | 48.1   | U         | 48.1   | 77.8 | 100        | ug/Kg     |
| 84-74-2           | Di-n-butylphthalate        | 50.5   | U         | 50.5   | 77.8 | 100        | ug/Kg     |
| 206-44-0          | Fluoranthene               | 48.9   | U         | 48.9   | 77.8 | 100        | ug/Kg     |
| 92-87-5           | Benzidine                  | 97.6   | U         | 97.6   | 160  | 200        | ug/Kg     |
| 129-00-0          | Pyrene                     | 49.7   | U         | 49.7   | 77.8 | 100        | ug/Kg     |
| 85-68-7           | Butylbenzylphthalate       | 58     | U         | 58     | 77.8 | 100        | ug/Kg     |
| 91-94-1           | 3,3-Dichlorobenzidine      | 59     | U         | 59     | 160  | 200        | ug/Kg     |
| 56-55-3           | Benzo(a)anthracene         | 48.3   | U         | 48.3   | 77.8 | 100        | ug/Kg     |
| 218-01-9          | Chrysene                   | 47.6   | U         | 47.6   | 77.8 | 100        | ug/Kg     |
| 117-81-7          | Bis(2-ethylhexyl)phthalate | 54.5   | U         | 54.5   | 77.8 | 100        | ug/Kg     |
| 117-84-0          | Di-n-octyl phthalate       | 65.9   | U         | 65.9   | 160  | 200        | ug/Kg     |
| 205-99-2          | Benzo(b)fluoranthene       | 48.6   | U         | 48.6   | 77.8 | 100        | ug/Kg     |
| 207-08-9          | Benzo(k)fluoranthene       | 49.5   | U         | 49.5   | 77.8 | 100        | ug/Kg     |
| 50-32-8           | Benzo(a)pyrene             | 55.7   | U         | 55.7   | 77.8 | 100        | ug/Kg     |
| 193-39-5          | Indeno(1,2,3-cd)pyrene     | 46.8   | U         | 46.8   | 77.8 | 100        | ug/Kg     |
| 53-70-3           | Dibenzo(a,h)anthracene     | 48.6   | U         | 48.6   | 77.8 | 100        | ug/Kg     |
| 191-24-2          | Benzo(g,h,i)perylene       | 48     | U         | 48     | 77.8 | 100        | ug/Kg     |
| 95-94-3           | 1,2,4,5-Tetrachlorobenzene | 52     | U         | 52     | 77.8 | 100        | ug/Kg     |
| 123-91-1          | 1,4-Dioxane                | 65.9   | U         | 65.9   | 77.8 | 100        | ug/Kg     |
| 58-90-2           | 2,3,4,6-Tetrachlorophenol  | 44.7   | U         | 44.7   | 77.8 | 100        | ug/Kg     |
| 90-12-0           | 1-Methylnaphthalene        | 49.8   | U         | 49.8   | 100  | 100        | ug/Kg     |
| <b>SURROGATES</b> |                            |        |           |        |      |            |           |
| 367-12-4          | 2-Fluorophenol             | 24.051 | *         | 18-112 |      | 16         | SPK: -150 |
| 13127-88-3        | Phenol-d6                  | 36.014 |           | 15-107 |      | 24         | SPK: -150 |
| 4165-60-0         | Nitrobenzene-d5            | 43.297 |           | 18-107 |      | 43         | SPK: -100 |
| 321-60-8          | 2-Fluorobiphenyl           | 56.058 |           | 20-109 |      | 56         | SPK: -100 |

## Report of Analysis

|                    |            |                 |                        |
|--------------------|------------|-----------------|------------------------|
| Client:            |            | Date Collected: | 10/16/2024 12:00:00 AM |
| Project:           |            | Date Received:  | 10/16/2024 12:00:00 AM |
| Client Sample ID:  | PAD-6      | SDG No.:        | BF101824               |
| Lab Sample ID:     | P4426-11   | Matrix:         | Solid                  |
| Analytical Method: | 8270E      | % Moisture:     | 0                      |
| Sample Wt/Vol:     | 50.1       | Units:          | g                      |
| Soil Aliquot Vol:  |            | Final Vol:      | 1000 uL                |
| Extraction Type :  |            | Test:           |                        |
|                    | Decanted : | Level :         | LOW                    |
| Injection Volume : |            | GPC Factor :    |                        |
|                    |            | GPC Cleanup :   | PH :                   |

|                   |           |                        |                        |               |
|-------------------|-----------|------------------------|------------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date              | Date Analyzed          | Prep Batch ID |
| BF139866.D        | 1         | 10/17/2024 12:00:00 AM | 10/18/2024 12:00:00 AM | PB164216      |

| CAS Number                | Parameter              | Conc.  | Qualifier | MDL    | LOD | LOQ / CRQL | Units     |
|---------------------------|------------------------|--------|-----------|--------|-----|------------|-----------|
| 118-79-6                  | 2,4,6-Tribromophenol   | 15.028 |           | 10-116 |     | 10         | SPK: -150 |
| 1718-51-0                 | Terphenyl-d14          | 44.842 |           | 10-105 |     | 45         | SPK: -100 |
| <b>INTERNAL STANDARDS</b> |                        |        |           |        |     |            |           |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4 | 120373 | 6.887     |        |     |            |           |
| 1146-65-2                 | Naphthalene-d8         | 400735 | 8.169     |        |     |            |           |
| 15067-26-2                | Acenaphthene-d10       | 171131 | 9.922     |        |     |            |           |
| 1517-22-2                 | Phenanthrene-d10       | 311468 | 11.41     |        |     |            |           |
| 1719-03-5                 | Chrysene-d12           | 278398 | 14.045    |        |     |            |           |
| 1520-96-3                 | Perylene-d12           | 189358 | 15.521    |        |     |            |           |

### Hit Summary Sheet SW-846

SDG No.: BF101824

Client:

| Sample ID                       | Client ID    |       | Parameter                          | Concentration    | C | MDL | RDL | Units |
|---------------------------------|--------------|-------|------------------------------------|------------------|---|-----|-----|-------|
| <b>Client ID : MH-121</b>       |              |       |                                    |                  |   |     |     |       |
| P4405-01                        | MH-121       | Water | 2-Pentanone, 4-hydroxy-4-methyl *  | 3.300            | A |     |     |       |
| P4405-01                        | MH-121       | Water | Benzophenone *                     | 3.100            | J |     |     |       |
| P4405-01                        | MH-121       | Water | Butane, 2-methoxy-2-methyl- *      | 190.000          | J |     |     |       |
| P4405-01                        | MH-121       | Water | Heptadecyl heptafluorobutyrate *   | 2.600            | J |     |     |       |
| P4405-01                        | MH-121       | Water | n-Hexadecanoic acid *              | 7.400            | J |     |     |       |
| P4405-01                        | MH-121       | Water | Octadecanoic acid *                | 3.100            | J |     |     |       |
|                                 |              |       | <b>Total Tics :</b>                | <b>209.50</b>    |   |     |     |       |
| P4405-01                        | MH-121       | Water | Bis(2-ethylhexyl)phthalate         | 2.200            | J | 1.9 | 5   | ug/L  |
|                                 |              |       | <b>Total Svoc :</b>                | <b>2.20</b>      |   |     |     |       |
|                                 |              |       | <b>Total Concentration:</b>        | <b>211.70</b>    |   |     |     |       |
| <b>Client ID : EO-02-101624</b> |              |       |                                    |                  |   |     |     |       |
| P4421-01                        | EO-02-101624 | Solid | 3-(Dimethylamino)propyl isothioc * | 2,100.000        | J |     |     |       |
| P4421-01                        | EO-02-101624 | Solid | 4H-Cyclopenta[def]phenanthrene *   | 320.000          | J |     |     |       |
| P4421-01                        | EO-02-101624 | Solid | 9,12-Octadecadienoic acid, methy * | 7,500.000        | J |     |     |       |
| P4421-01                        | EO-02-101624 | Solid | Butane, 2-methoxy-2-methyl- *      | 1,400.000        | J |     |     |       |
| P4421-01                        | EO-02-101624 | Solid | Eicosane *                         | 1,200.000        | J |     |     |       |
| P4421-01                        | EO-02-101624 | Solid | Heneicosane *                      | 760.000          | J |     |     |       |
| P4421-01                        | EO-02-101624 | Solid | Heptadecane *                      | 580.000          | J |     |     |       |
| P4421-01                        | EO-02-101624 | Solid | Hexacosane *                       | 410.000          | J |     |     |       |
| P4421-01                        | EO-02-101624 | Solid | Hexadecane *                       | 600.000          | J |     |     |       |
| P4421-01                        | EO-02-101624 | Solid | Hexadecane, 2,6,10,14-tetramethy * | 380.000          | J |     |     |       |
| P4421-01                        | EO-02-101624 | Solid | Hexadecanoic acid, methyl ester *  | 2,400.000        | J |     |     |       |
| P4421-01                        | EO-02-101624 | Solid | n-Hexadecanoic acid *              | 1,200.000        | J |     |     |       |
| P4421-01                        | EO-02-101624 | Solid | Naphthalene, 2,7-dimethyl- *       | 430.000          | J |     |     |       |
| P4421-01                        | EO-02-101624 | Solid | Nonane, 3-methyl- *                | 290.000          | J |     |     |       |
| P4421-01                        | EO-02-101624 | Solid | Octadecane *                       | 740.000          | J |     |     |       |
| P4421-01                        | EO-02-101624 | Solid | Pentadecane *                      | 1,200.000        | J |     |     |       |
| P4421-01                        | EO-02-101624 | Solid | Tetradecane *                      | 1,100.000        | J |     |     |       |
| P4421-01                        | EO-02-101624 | Solid | Tetradecane, 1-iodo- *             | 960.000          | J |     |     |       |
| P4421-01                        | EO-02-101624 | Solid | Tridecane *                        | 1,300.000        | J |     |     |       |
| P4421-01                        | EO-02-101624 | Solid | Tridecane, 6-methyl- *             | 580.000          | J |     |     |       |
|                                 |              |       | <b>Total Tics :</b>                | <b>25,450.00</b> |   |     |     |       |
| P4421-01                        | EO-02-101624 | Solid | Benzo(a)anthracene                 | 490.000          | J | 270 | 570 | ug/Kg |
| P4421-01                        | EO-02-101624 | Solid | Benzo(a)pyrene                     | 490.000          | J | 310 | 570 | ug/Kg |
| P4421-01                        | EO-02-101624 | Solid | Benzo(b)fluoranthene               | 580.000          |   | 270 | 570 | ug/Kg |
| P4421-01                        | EO-02-101624 | Solid | Chrysene                           | 390.000          | J | 260 | 570 | ug/Kg |
| P4421-01                        | EO-02-101624 | Solid | Fluoranthene                       | 1,000.000        |   | 270 | 570 | ug/Kg |

### Hit Summary Sheet SW-846

SDG No.: BF101824

Client:

| Sample ID            | Client ID    | Matrix | Parameter    | Concentration | C | MDL | RDL | Units |
|----------------------|--------------|--------|--------------|---------------|---|-----|-----|-------|
| P4421-01             | EO-02-101624 | Solid  | Phenanthrene | 550.000       | J | 280 | 570 | ug/Kg |
| P4421-01             | EO-02-101624 | Solid  | Pyrene       | 740.000       |   | 280 | 570 | ug/Kg |
| Total Svoc :         |              |        |              | 4,240.00      |   |     |     |       |
| Total Concentration: |              |        |              | 29,690.00     |   |     |     |       |

Client ID : EO-01-101624

|                      |              |       |                                      |          |   |  |  |  |
|----------------------|--------------|-------|--------------------------------------|----------|---|--|--|--|
| P4422-01             | EO-01-101624 | Solid | 9,12-Octadecadienoic acid (Z,Z)-, *  | 330.000  | J |  |  |  |
| P4422-01             | EO-01-101624 | Solid | Butane, 2-methoxy-2-methyl- *        | 900.000  | J |  |  |  |
| P4422-01             | EO-01-101624 | Solid | Carbonic acid, prop-1-en-2-yl tetr * | 110.000  | J |  |  |  |
| P4422-01             | EO-01-101624 | Solid | cis-13-Octadecenoic acid *           | 510.000  | J |  |  |  |
| P4422-01             | EO-01-101624 | Solid | Decahydro-1,1,4a,5,6-pentamethy *    | 120.000  | J |  |  |  |
| P4422-01             | EO-01-101624 | Solid | n-Hexadecanoic acid *                | 180.000  | J |  |  |  |
| P4422-01             | EO-01-101624 | Solid | Nonadecane *                         | 110.000  | J |  |  |  |
| P4422-01             | EO-01-101624 | Solid | Octadecanoic acid *                  | 96.500   | J |  |  |  |
| P4422-01             | EO-01-101624 | Solid | Tetratriacontyl pentafluoropropior * | 87.200   | J |  |  |  |
| P4422-01             | EO-01-101624 | Solid | Tridecane *                          | 130.000  | J |  |  |  |
| Total Tics :         |              |       |                                      | 2,573.70 |   |  |  |  |
| Total Concentration: |              |       |                                      | 2,573.70 |   |  |  |  |

Client ID : TP-1

|                      |      |       |                                   |           |   |  |  |  |
|----------------------|------|-------|-----------------------------------|-----------|---|--|--|--|
| P4425-01             | TP-1 | Solid | 2-Pentanone, 4-hydroxy-4-methyl * | 55.300    | A |  |  |  |
| P4425-01             | TP-1 | Solid | Benzophenone *                    | 130.000   | J |  |  |  |
| P4425-01             | TP-1 | Solid | Butane, 2-methoxy-2-methyl- *     | 1,400.000 | J |  |  |  |
| P4425-01             | TP-1 | Solid | Cyclopentadecane *                | 110.000   | J |  |  |  |
| P4425-01             | TP-1 | Solid | n-Hexadecanoic acid *             | 53.700    | J |  |  |  |
| Total Tics :         |      |       |                                   | 1,749.00  |   |  |  |  |
| Total Concentration: |      |       |                                   | 1,749.00  |   |  |  |  |

Client ID : TP-2

|                      |      |       |                                   |           |   |  |  |  |
|----------------------|------|-------|-----------------------------------|-----------|---|--|--|--|
| P4425-03             | TP-2 | Solid | 2-Pentanone, 4-hydroxy-4-methyl * | 110.000   | A |  |  |  |
| P4425-03             | TP-2 | Solid | Benzophenone *                    | 200.000   | J |  |  |  |
| P4425-03             | TP-2 | Solid | Butane, 2-methoxy-2-methyl- *     | 1,400.000 | J |  |  |  |
| P4425-03             | TP-2 | Solid | Cycloeicosane *                   | 120.000   | J |  |  |  |
| P4425-03             | TP-2 | Solid | n-Hexadecanoic acid *             | 120.000   | J |  |  |  |
| Total Tics :         |      |       |                                   | 1,950.00  |   |  |  |  |
| Total Concentration: |      |       |                                   | 1,950.00  |   |  |  |  |

Client ID : TP-3

|              |      |       |                                   |           |   |  |  |  |
|--------------|------|-------|-----------------------------------|-----------|---|--|--|--|
| P4425-05     | TP-3 | Solid | 2-Pentanone, 4-hydroxy-4-methyl * | 140.000   | A |  |  |  |
| P4425-05     | TP-3 | Solid | Benzophenone *                    | 160.000   | J |  |  |  |
| P4425-05     | TP-3 | Solid | Butane, 2-methoxy-2-methyl- *     | 1,400.000 | J |  |  |  |
| P4425-05     | TP-3 | Solid | Octacosanol *                     | 120.000   | J |  |  |  |
| Total Tics : |      |       |                                   | 1,820.00  |   |  |  |  |

### Hit Summary Sheet SW-846

SDG No.: BF101824

Client:

| Sample ID            | Client ID | Matrix | Parameter                           | Concentration | C | MDL | RDL | Units |
|----------------------|-----------|--------|-------------------------------------|---------------|---|-----|-----|-------|
| Total Concentration: |           |        |                                     | 1,820.00      |   |     |     |       |
| Client ID :          | TP-4      |        |                                     |               |   |     |     |       |
| P4425-07             | TP-4      | Solid  | 2-Pentanone, 4-hydroxy-4-methyl *   | 130.000       | A |     |     |       |
| P4425-07             | TP-4      | Solid  | Benzophenone *                      | 200.000       | J |     |     |       |
| P4425-07             | TP-4      | Solid  | Butane, 2-methoxy-2-methyl- *       | 1,600.000     | J |     |     |       |
| P4425-07             | TP-4      | Solid  | n-Hexadecanoic acid *               | 62.600        | J |     |     |       |
| P4425-07             | TP-4      | Solid  | Pentafluoropropionic acid, pentad * | 110.000       | J |     |     |       |
| Total Tics :         |           |        |                                     | 2,102.60      |   |     |     |       |
| Total Concentration: |           |        |                                     | 2,102.60      |   |     |     |       |
| Client ID :          | TP-5      |        |                                     |               |   |     |     |       |
| P4425-09             | TP-5      | Solid  | 2-Pentanone, 4-hydroxy-4-methyl *   | 130.000       | A |     |     |       |
| P4425-09             | TP-5      | Solid  | Benzophenone *                      | 100.000       | J |     |     |       |
| P4425-09             | TP-5      | Solid  | Butane, 2-methoxy-2-methyl- *       | 1,600.000     | J |     |     |       |
| P4425-09             | TP-5      | Solid  | Octacosanol *                       | 99.100        | J |     |     |       |
| P4425-09             | TP-5      | Solid  | Pentanedioic acid, dimethyl ester * | 44.300        | J |     |     |       |
| Total Tics :         |           |        |                                     | 1,973.40      |   |     |     |       |
| Total Concentration: |           |        |                                     | 1,973.40      |   |     |     |       |
| Client ID :          | 72-11934  |        |                                     |               |   |     |     |       |
| P4431-01             | 72-11934  | Solid  | 11H-Benzo[a]fluoren-11-one *        | 77.700        | J |     |     |       |
| P4431-01             | 72-11934  | Solid  | 2-Pentanone, 4-hydroxy-4-methyl *   | 150.000       | A |     |     |       |
| P4431-01             | 72-11934  | Solid  | 4H-Cyclopenta[def]phenanthrene *    | 220.000       | J |     |     |       |
| P4431-01             | 72-11934  | Solid  | 9,10-Anthracenedione *              | 150.000       | J |     |     |       |
| P4431-01             | 72-11934  | Solid  | Anthracene, 2-methyl- *             | 84.000        | J |     |     |       |
| P4431-01             | 72-11934  | Solid  | Benzo[b]naphtho[2,1-d]thiophene *   | 56.900        | J |     |     |       |
| P4431-01             | 72-11934  | Solid  | Benzo[e]pyrene *                    | 180.000       | J |     |     |       |
| P4431-01             | 72-11934  | Solid  | Benzophenone *                      | 94.100        | J |     |     |       |
| P4431-01             | 72-11934  | Solid  | Butane, 2-methoxy-2-methyl- *       | 2,000.000     | J |     |     |       |
| P4431-01             | 72-11934  | Solid  | Cyclopenta(def)phenanthrenone *     | 51.500        | J |     |     |       |
| P4431-01             | 72-11934  | Solid  | Fluoranthene, 2-methyl- *           | 76.800        | J |     |     |       |
| P4431-01             | 72-11934  | Solid  | n-Hexadecanoic acid *               | 300.000       | J |     |     |       |
| P4431-01             | 72-11934  | Solid  | Octadecanoic acid *                 | 73.600        | J |     |     |       |
| P4431-01             | 72-11934  | Solid  | Pentanedioic acid, dimethyl ester * | 49.000        | J |     |     |       |
| P4431-01             | 72-11934  | Solid  | Perylene *                          | 350.000       | J |     |     |       |
| P4431-01             | 72-11934  | Solid  | Phenanthrene, 2,5-dimethyl- *       | 91.400        | J |     |     |       |
| P4431-01             | 72-11934  | Solid  | Pyrene, 1-methyl- *                 | 49.200        | J |     |     |       |
| P4431-01             | 72-11934  | Solid  | Supraene *                          | 180.000       | J |     |     |       |
| P4431-01             | 72-11934  | Solid  | unknown12.498 *                     | 56.200        | J |     |     |       |
| P4431-01             | 72-11934  | Solid  | unknown14.827 *                     | 86.200        | J |     |     |       |
| Total Tics :         |           |        |                                     | 4,376.60      |   |     |     |       |



### Hit Summary Sheet SW-846

SDG No.: BF101824

Client:

| Sample ID | Client ID | Matrix | Parameter                  | Concentration | C | MDL  | RDL | Units |
|-----------|-----------|--------|----------------------------|---------------|---|------|-----|-------|
| P4431-01  | 72-11934  | Solid  | Anthracene                 | 91.300        | J | 57.2 | 120 | ug/Kg |
| P4431-01  | 72-11934  | Solid  | Benzo(a)anthracene         | 490.000       |   | 54.7 | 120 | ug/Kg |
| P4431-01  | 72-11934  | Solid  | Benzo(a)pyrene             | 500.000       |   | 63   | 120 | ug/Kg |
| P4431-01  | 72-11934  | Solid  | Benzo(b)fluoranthene       | 670.000       |   | 54.9 | 120 | ug/Kg |
| P4431-01  | 72-11934  | Solid  | Benzo(g,h,i)perylene       | 290.000       |   | 54.3 | 120 | ug/Kg |
| P4431-01  | 72-11934  | Solid  | Benzo(k)fluoranthene       | 270.000       |   | 55.9 | 120 | ug/Kg |
| P4431-01  | 72-11934  | Solid  | Bis(2-ethylhexyl)phthalate | 130.000       |   | 61.6 | 120 | ug/Kg |
| P4431-01  | 72-11934  | Solid  | Chrysene                   | 490.000       |   | 53.8 | 120 | ug/Kg |
| P4431-01  | 72-11934  | Solid  | Dibenzo(a,h)anthracene     | 63.400        | J | 55   | 120 | ug/Kg |
| P4431-01  | 72-11934  | Solid  | Fluoranthene               | 1,200.000     |   | 55.3 | 120 | ug/Kg |
| P4431-01  | 72-11934  | Solid  | Indeno(1,2,3-cd)pyrene     | 230.000       |   | 52.9 | 120 | ug/Kg |
| P4431-01  | 72-11934  | Solid  | Pentachlorophenol          | 230.000       |   | 52.4 | 220 | ug/Kg |
| P4431-01  | 72-11934  | Solid  | Phenanthrene               | 510.000       |   | 56.9 | 120 | ug/Kg |
| P4431-01  | 72-11934  | Solid  | Pyrene                     | 630.000       |   | 56.2 | 120 | ug/Kg |

**Total Svoc :**

**5,794.70**

**Total Concentration:**

**10,171.30**



6C

## SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: \_\_\_\_\_  
Lab Code: CHEM Case No.: BF101824 SAS No.: BF101824 SDG No.: BF101824  
Instrument ID: \_\_\_\_\_ Calibration Date(s): 10/18/2024  
Calibration Time(s): 10:27

|                             |        |                     |        |                     |        |                     |       |       |
|-----------------------------|--------|---------------------|--------|---------------------|--------|---------------------|-------|-------|
| LAB FILE ID:                |        | RRF2.5 = BF139844.D |        | RRF005 = BF139845.D |        | RRF010 = BF139846.D |       |       |
|                             |        | RRF020 = BF139847.D |        | RRF040 = BF139848.D |        | RRF050 = BF139849.D |       |       |
| COMPOUND                    | RRF2.5 | RRF005              | RRF010 | RRF020              | RRF040 | RRF050              | RRF   | % RSD |
| n-Nitrosodimethylamine      |        | 0.815               | 0.800  | 0.799               | 0.806  | 0.782               | 0.793 | 2.4   |
| Pyridine                    |        | 1.622               | 1.570  | 1.522               | 1.504  | 1.386               | 1.476 | 7.3   |
| 2-Fluorophenol              |        | 1.465               | 1.398  | 1.331               | 1.278  | 1.179               | 1.278 | 10.1  |
| Benzaldehyde                |        |                     | 1.137  | 1.042               | 0.940  | 0.873               | 0.931 | 15.2  |
| Aniline                     |        | 1.673               | 1.649  | 1.618               | 1.582  | 1.471               | 1.542 | 8.1   |
| Phenol-d6                   |        | 1.900               | 1.818  | 1.709               | 1.647  | 1.538               | 1.655 | 10.1  |
| Phenol                      |        | 1.952               | 1.832  | 1.760               | 1.712  | 1.583               | 1.706 | 9.2   |
| bis(2-Chloroethyl)ether     |        | 1.470               | 1.423  | 1.359               | 1.294  | 1.251               | 1.319 | 7.8   |
| 2-Chlorophenol              |        | 1.503               | 1.422  | 1.358               | 1.310  | 1.212               | 1.306 | 10.2  |
| 1,2-Dichlorobenzene         |        | 1.660               | 1.579  | 1.478               | 1.379  | 1.273               | 1.398 | 13.2  |
| 1,3-Dichlorobenzene         |        | 1.718               | 1.656  | 1.544               | 1.499  | 1.392               | 1.499 | 10.2  |
| 1,4-Dichlorobenzene         |        | 1.723               | 1.641  | 1.558               | 1.487  | 1.392               | 1.498 | 10.2  |
| Benzyl Alcohol              |        | 1.355               | 1.299  | 1.257               | 1.213  | 1.154               | 1.214 | 8.1   |
| 2-Methylphenol              |        | 1.264               | 1.164  | 1.134               | 1.114  | 1.053               | 1.114 | 7.7   |
| 2,2-oxybis(1-Chloropropane) |        | 2.524               | 2.409  | 2.353               | 2.255  | 2.117               | 2.248 | 8.7   |
| Acetophenone                |        | 0.578               | 0.533  | 0.516               | 0.481  | 0.452               | 0.490 | 11.4  |
| 3+4-Methylphenols           |        | 1.678               | 1.573  | 1.520               | 1.418  | 1.309               | 1.424 | 12.4  |
| n-Nitroso-di-n-propylamine  | 1.105  | 1.141               | 1.066  | 1.025               | 0.974  | 0.921               | 1.004 | 9.6   |
| Nitrobenzene-d5             |        | 0.365               | 0.365  | 0.372               | 0.371  | 0.354               | 0.361 | 2.9   |
| Hexachloroethane            |        | 0.583               | 0.571  | 0.549               | 0.541  | 0.507               | 0.534 | 7.1   |
| Nitrobenzene                |        | 0.417               | 0.402  | 0.408               | 0.403  | 0.383               | 0.396 | 4.1   |
| Isophorone                  |        | 0.755               | 0.709  | 0.702               | 0.679  | 0.652               | 0.685 | 5.9   |
| 2-Nitrophenol               |        | 0.124               | 0.137  | 0.150               | 0.157  | 0.158               | 0.149 | 9.2   |
| 2,4-Dimethylphenol          |        | 0.285               | 0.259  | 0.256               | 0.248  | 0.237               | 0.249 | 8.1   |
| bis(2-Chloroethoxy)methane  |        | 0.468               | 0.440  | 0.432               | 0.412  | 0.394               | 0.415 | 8.2   |
| 2,4-Dichlorophenol          |        | 0.308               | 0.297  | 0.293               | 0.283  | 0.272               | 0.283 | 6.2   |
| 1,2,4-Trichlorobenzene      |        | 0.351               | 0.331  | 0.325               | 0.315  | 0.298               | 0.314 | 7.7   |
| Benzoic acid                |        |                     | 0.175  | 0.207               | 0.220  | 0.231               | 0.217 | 10.7  |
| Naphthalene                 |        | 1.209               | 1.121  | 1.091               | 1.023  | 0.958               | 1.031 | 11.2  |
| 4-Chloroaniline             |        | 0.397               | 0.382  | 0.368               | 0.351  | 0.332               | 0.352 | 9.3   |
| Hexachlorobutadiene         |        | 0.224               | 0.206  | 0.203               | 0.197  | 0.185               | 0.197 | 8.0   |
| Caprolactam                 |        | 0.092               | 0.092  | 0.092               | 0.092  | 0.088               | 0.090 | 2.9   |
| 4-Chloro-3-methylphenol     |        | 0.341               | 0.328  | 0.324               | 0.315  | 0.299               | 0.314 | 6.0   |
| 2-Methylnaphthalene         |        | 0.740               | 0.689  | 0.666               | 0.621  | 0.587               | 0.632 | 11.1  |
| Hexachlorocyclopentadiene   |        | 0.185               | 0.193  | 0.198               | 0.198  | 0.186               | 0.188 | 5.3   |
| 2,4,6-Trichlorophenol       |        | 0.405               | 0.382  | 0.400               | 0.387  | 0.363               | 0.382 | 4.8   |

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1



6C

## SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: \_\_\_\_\_  
Lab Code: CHEM Case No.: BF101824 SAS No.: BF101824 SDG No.: BF101824  
Instrument ID: \_\_\_\_\_ Calibration Date(s): 10/18/2024  
Calibration Time(s): 10:27

|                            |        |                     |        |                     |        |                     |       |       |
|----------------------------|--------|---------------------|--------|---------------------|--------|---------------------|-------|-------|
| LAB FILE ID:               |        | RRF2.5 = BF139844.D |        | RRF005 = BF139845.D |        | RRF010 = BF139846.D |       |       |
|                            |        | RRF020 = BF139847.D |        | RRF040 = BF139848.D |        | RRF050 = BF139849.D |       |       |
| COMPOUND                   | RRF2.5 | RRF005              | RRF010 | RRF020              | RRF040 | RRF050              | RRF   | % RSD |
| 2-Fluorobiphenyl           |        | 1.512               | 1.396  | 1.280               | 1.162  | 1.088               | 1.210 | 16.0  |
| 2,4,5-Trichlorophenol      |        | 0.426               | 0.425  | 0.398               | 0.401  | 0.381               | 0.394 | 6.6   |
| 1,1-Biphenyl               |        | 1.640               | 1.536  | 1.483               | 1.379  | 1.285               | 1.392 | 12.2  |
| 2-Chloronaphthalene        |        | 1.288               | 1.225  | 1.164               | 1.111  | 1.048               | 1.121 | 10.0  |
| 2-Nitroaniline             |        | 0.299               | 0.318  | 0.353               | 0.365  | 0.354               | 0.343 | 7.2   |
| Dimethylphthalate          |        | 1.410               | 1.344  | 1.283               | 1.237  | 1.172               | 1.246 | 8.6   |
| Acenaphthylene             |        | 1.854               | 1.756  | 1.717               | 1.615  | 1.507               | 1.621 | 10.1  |
| 2,6-Dinitrotoluene         |        | 0.256               | 0.266  | 0.278               | 0.280  | 0.273               | 0.270 | 3.4   |
| 3-Nitroaniline             |        | 0.270               | 0.275  | 0.296               | 0.292  | 0.276               | 0.278 | 4.8   |
| Acenaphthene               |        | 1.200               | 1.136  | 1.089               | 1.044  | 0.977               | 1.049 | 9.5   |
| 2,4-Dinitrophenol          |        |                     | 0.056  | 0.077               | 0.101  | 0.101               | 0.093 | 23.9  |
| 4-Nitrophenol              |        | 0.187               | 0.207  | 0.225               | 0.232  | 0.219               | 0.214 | 6.8   |
| Dibenzofuran               |        | 1.767               | 1.659  | 1.579               | 1.486  | 1.389               | 1.505 | 11.5  |
| 2,4-Dinitrotoluene         |        | 0.280               | 0.314  | 0.337               | 0.356  | 0.344               | 0.332 | 7.9   |
| Diethylphthalate           |        | 1.366               | 1.308  | 1.267               | 1.214  | 1.165               | 1.223 | 8.0   |
| 4-Chlorophenyl-phenylether |        | 0.698               | 0.638  | 0.617               | 0.569  | 0.526               | 0.579 | 13.1  |
| Fluorene                   |        | 1.409               | 1.309  | 1.201               | 1.110  | 1.029               | 1.146 | 14.7  |
| 4-Nitroaniline             |        | 0.249               | 0.259  | 0.270               | 0.275  | 0.263               | 0.263 | 3.6   |
| 4,6-Dinitro-2-methylphenol |        |                     | 0.055  | 0.072               | 0.087  | 0.090               | 0.082 | 18.6  |
| n-Nitrosodiphenylamine     |        | 0.672               | 0.641  | 0.621               | 0.595  | 0.568               | 0.599 | 8.1   |
| Azobenzene                 |        | 1.459               | 1.385  | 1.355               | 1.306  | 1.216               | 1.297 | 8.6   |
| 2,4,6-Tribromophenol       |        | 0.201               | 0.196  | 0.193               | 0.188  | 0.179               | 0.187 | 5.5   |
| 4-Bromophenyl-phenylether  |        | 0.230               | 0.217  | 0.211               | 0.202  | 0.197               | 0.206 | 7.0   |
| Hexachlorobenzene          |        | 0.258               | 0.245  | 0.237               | 0.231  | 0.217               | 0.232 | 7.2   |
| Atrazine                   |        | 0.189               | 0.175  | 0.156               | 0.175  | 0.135               | 0.162 | 11.4  |
| Pentachlorophenol          |        | 0.118               | 0.137  | 0.148               | 0.152  | 0.145               | 0.141 | 8.0   |
| Phenanthrene               |        | 1.121               | 1.035  | 0.994               | 0.933  | 0.863               | 0.945 | 11.8  |
| Anthracene                 |        | 1.082               | 1.014  | 0.972               | 0.913  | 0.851               | 0.922 | 11.5  |
| Carbazole                  |        | 1.002               | 0.964  | 0.923               | 0.846  | 0.776               | 0.857 | 12.6  |
| Di-n-butylphthalate        |        | 1.104               | 1.071  | 1.062               | 1.014  | 0.923               | 0.990 | 9.8   |
| Fluoranthene               |        | 1.149               | 1.108  | 1.036               | 0.943  | 0.842               | 0.955 | 15.3  |
| Benzidine                  |        | 0.457               | 0.461  | 0.293               | 0.366  | 0.276               | 0.329 | 30.9  |
| Pyrene                     |        | 1.892               | 1.828  | 1.900               | 1.805  | 1.685               | 1.751 | 8.4   |
| Terphenyl-d14              |        | 1.381               | 1.335  | 1.340               | 1.244  | 1.154               | 1.227 | 11.0  |
| Butylbenzylphthalate       |        | 0.490               | 0.513  | 0.536               | 0.555  | 0.535               | 0.525 | 4.0   |
| 3,3-Dichlorobenzidine      |        | 0.368               | 0.372  | 0.390               | 0.387  | 0.374               | 0.380 | 2.2   |

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1



6C

## SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: \_\_\_\_\_  
Lab Code: CHEM Case No.: BF101824 SAS No.: BF101824 SDG No.: BF101824  
Instrument ID: \_\_\_\_\_ Calibration Date(s): 10/18/2024 \_\_\_\_\_  
Calibration Time(s): 10:27 \_\_\_\_\_

|                            |        |                     |        |        |                     |        |                     |       |
|----------------------------|--------|---------------------|--------|--------|---------------------|--------|---------------------|-------|
| LAB FILE ID:               |        | RRF2.5 = BF139844.D |        |        | RRF005 = BF139845.D |        | RRF010 = BF139846.D |       |
|                            |        | RRF020 = BF139847.D |        |        | RRF040 = BF139848.D |        | RRF050 = BF139849.D |       |
| COMPOUND                   | RRF2.5 | RRF005              | RRF010 | RRF020 | RRF040              | RRF050 | RRF                 | % RSD |
| Benzo(a)anthracene         |        | 1.425               | 1.355  | 1.329  | 1.331               | 1.267  | 1.302               | 6.5   |
| Chrysene                   |        | 1.325               | 1.244  | 1.234  | 1.167               | 1.134  | 1.194               | 6.5   |
| Bis(2-ethylhexyl)phthalate |        | 0.520               | 0.539  | 0.577  | 0.626               | 0.620  | 0.589               | 7.5   |
| Di-n-octyl phthalate       |        |                     | 0.786  | 0.930  | 1.135               | 1.182  | 1.071               | 16.1  |
| Benzo(b)fluoranthene       |        | 1.317               | 1.240  | 1.319  | 1.196               | 1.105  | 1.218               | 7.1   |
| Benzo(k)fluoranthene       |        | 1.213               | 1.177  | 0.992  | 1.066               | 1.030  | 1.051               | 10.4  |
| Benzo(a)pyrene             |        | 1.030               | 1.024  | 1.018  | 1.025               | 0.974  | 1.002               | 3.1   |
| Indeno(1,2,3-cd)pyrene     |        | 1.209               | 1.261  | 1.307  | 1.352               | 1.299  | 1.287               | 3.8   |
| Dibenzo(a,h)anthracene     |        | 1.021               | 1.064  | 1.103  | 1.120               | 1.083  | 1.073               | 3.3   |
| Benzo(g,h,i)perylene       |        | 1.030               | 1.046  | 1.090  | 1.128               | 1.081  | 1.072               | 3.4   |
| 1,2,4,5-Tetrachlorobenzene |        | 0.609               | 0.579  | 0.562  | 0.537               | 0.512  | 0.540               | 8.7   |
| 1,4-Dioxane                |        | 0.651               | 0.625  | 0.603  | 0.591               | 0.571  | 0.596               | 5.7   |
| 2,3,4,6-Tetrachlorophenol  |        | 0.334               | 0.322  | 0.326  | 0.310               | 0.296  | 0.309               | 6.3   |
| 1-Methylnaphthalene        |        | 0.726               | 0.683  | 0.655  | 0.612               | 0.569  | 0.620               | 11.5  |

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BF101824 SAS No.: BF101824 SDG NO.: BF101824

EPA Sample No.: SSTDICCC040 Date Analyzed: Oct 18 2024 12:00AM

Lab File ID: BF139848.D Time Analyzed: 14:19

Instrument ID: BNA\_F GC Column: DB-UI ID: 0.18 (mm)

|                 | IS1 (DCB)<br>AREA # | RT #  | IS2 (NPT)<br>AREA # | RT #  | IS3 (ANT)<br>AREA # | RT #   |
|-----------------|---------------------|-------|---------------------|-------|---------------------|--------|
| 12 HOUR STD     | 181899              | 6.892 | 688880              | 8.18  | 379753              | 9.93   |
| UPPER LIMIT     | 363798              | 7.392 | 1377760             | 8.675 | 759506              | 10.427 |
| LOWER LIMIT     | 90949.5             | 6.392 | 344440              | 7.675 | 189876.5            | 9.427  |
| EPA SAMPLE NO.  |                     |       |                     |       |                     |        |
| 01 SSTDICV040   | 185684              | 6.89  | 705995              | 8.18  | 391362              | 9.93   |
| 02 PB164211BL   | 190111              | 6.89  | 746444              | 8.17  | 423351              | 9.92   |
| 03 MH-121       | 151163              | 6.89  | 561497              | 8.17  | 281527              | 9.92   |
| 04 72-11934     | 149416              | 6.89  | 526839              | 8.17  | 231462              | 9.92   |
| 05 EO-02-101624 | 136164              | 6.89  | 453580              | 8.17  | 193378              | 9.92   |
| 06 EO-01-101624 | 161030              | 6.89  | 525477              | 8.17  | 254286              | 9.92   |
| 07 TP-1         | 129709              | 6.89  | 424274              | 8.17  | 192178              | 9.92   |
| 08 TP-2         | 141592              | 6.89  | 471345              | 8.17  | 206525              | 9.92   |
| 09 TP-3         | 142159              | 6.89  | 501747              | 8.17  | 224756              | 9.92   |
| 10 TP-4         | 126945              | 6.89  | 409434              | 8.17  | 178860 *            | 9.92   |
| 11 TP-5         | 116785              | 6.89  | 392455              | 8.17  | 171370 *            | 9.92   |
| 12 PAD-2        | 116937              | 6.89  | 380422              | 8.17  | 169279 *            | 9.92   |
| 13 PAD-4        | 128568              | 6.89  | 429920              | 8.17  | 184268 *            | 9.92   |
| 14 PAD-9        | 125428              | 6.89  | 422071              | 8.17  | 186358 *            | 9.92   |
| 15 PAD-6        | 120373              | 6.89  | 400735              | 8.17  | 171131 *            | 9.92   |

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.: BF101824 SAS No.: BF101824 SDG NO.: BF101824

EPA Sample No.: SSTDICCC040 Date Analyzed: Oct 18 2024 12:00AM

Lab File ID: BF139848.D Time Analyzed: 14:19

Instrument ID: BNA\_F GC Column: DB-UI ID: 0.18 (mm)

|                 | IS1 (DCB)<br>AREA # | RT #  | IS2 (NPT)<br>AREA # | RT #  | IS3 (ANT)<br>AREA # | RT #   |
|-----------------|---------------------|-------|---------------------|-------|---------------------|--------|
| 12 HOUR STD     | 181899              | 6.892 | 688880              | 8.18  | 379753              | 9.93   |
| UPPER LIMIT     | 363798              | 7.392 | 1377760             | 8.675 | 759506              | 10.427 |
| LOWER LIMIT     | 90949.5             | 6.392 | 344440              | 7.675 | 189876.5            | 9.427  |
| EPA SAMPLE NO.  |                     |       |                     |       |                     |        |
| 01 SSTDICV040   | 185684              | 6.89  | 705995              | 8.18  | 391362              | 9.93   |
| 02 PB164211BL   | 190111              | 6.89  | 746444              | 8.17  | 423351              | 9.92   |
| 03 MH-121       | 151163              | 6.89  | 561497              | 8.17  | 281527              | 9.92   |
| 04 72-11934     | 149416              | 6.89  | 526839              | 8.17  | 231462              | 9.92   |
| 05 EO-02-101624 | 136164              | 6.89  | 453580              | 8.17  | 193378              | 9.92   |
| 06 EO-01-101624 | 161030              | 6.89  | 525477              | 8.17  | 254286              | 9.92   |
| 07 TP-1         | 129709              | 6.89  | 424274              | 8.17  | 192178              | 9.92   |
| 08 TP-2         | 141592              | 6.89  | 471345              | 8.17  | 206525              | 9.92   |
| 09 TP-3         | 142159              | 6.89  | 501747              | 8.17  | 224756              | 9.92   |
| 10 TP-4         | 126945              | 6.89  | 409434              | 8.17  | 178860 *            | 9.92   |
| 11 TP-5         | 116785              | 6.89  | 392455              | 8.17  | 171370 *            | 9.92   |
| 12 PAD-2        | 116937              | 6.89  | 380422              | 8.17  | 169279 *            | 9.92   |
| 13 PAD-4        | 128568              | 6.89  | 429920              | 8.17  | 184268 *            | 9.92   |
| 14 PAD-9        | 125428              | 6.89  | 422071              | 8.17  | 186358 *            | 9.92   |
| 15 PAD-6        | 120373              | 6.89  | 400735              | 8.17  | 171131 *            | 9.92   |

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.: BF101824 SAS No.: BF101824 SDG NO.: BF101824

EPA Sample No.: SSTDICCC040 Date Analyzed: Oct 18 2024 12:00AM

Lab File ID: BF139848.D Time Analyzed: 14:19

Instrument ID: BNA\_F GC Column: DB-UI ID: 0.18 (mm)

|    |                | IS4 (PHN)<br>AREA # | RT #   | IS5 (CRY)<br>AREA # | RT #   | IS6 (PRY)<br>AREA # | RT #   |
|----|----------------|---------------------|--------|---------------------|--------|---------------------|--------|
|    | 12 HOUR STD    | 663459              | 11.416 | 345800              | 14.051 | 365076              | 15.527 |
|    | UPPER LIMIT    | 1326918             | 11.916 | 691600              | 14.551 | 730152              | 16.027 |
|    | LOWER LIMIT    | 331729.5            | 10.916 | 172900              | 13.551 | 182538              | 15.027 |
|    | EPA SAMPLE NO. |                     |        |                     |        |                     |        |
| 01 | SSTDICV040     | 685529              | 11.42  | 361675              | 14.05  | 376682              | 15.53  |
| 02 | PB164211BL     | 773013              | 11.41  | 464788              | 14.05  | 394361              | 15.53  |
| 03 | MH-121         | 411435              | 11.41  | 336325              | 14.05  | 284413              | 15.52  |
| 04 | 72-11934       | 340877              | 11.41  | 332383              | 14.05  | 249176              | 15.53  |
| 05 | EO-02-101624   | 336096              | 11.41  | 296478              | 14.05  | 205321              | 15.53  |
| 06 | EO-01-101624   | 495248              | 11.41  | 364844              | 14.05  | 270216              | 15.53  |
| 07 | TP-1           | 361850              | 11.41  | 285915              | 14.05  | 199270              | 15.53  |
| 08 | TP-2           | 379227              | 11.41  | 310398              | 14.05  | 211756              | 15.53  |
| 09 | TP-3           | 382038              | 11.41  | 296675              | 14.05  | 204072              | 15.53  |
| 10 | TP-4           | 338666              | 11.41  | 291401              | 14.05  | 197763              | 15.53  |
| 11 | TP-5           | 313413 *            | 11.41  | 275934              | 14.05  | 184771              | 15.53  |
| 12 | PAD-2          | 315633 *            | 11.41  | 278920              | 14.05  | 189282              | 15.53  |
| 13 | PAD-4          | 333846              | 11.41  | 286044              | 14.05  | 194650              | 15.53  |
| 14 | PAD-9          | 336553              | 11.41  | 285337              | 14.05  | 194355              | 15.53  |
| 15 | PAD-6          | 311468 *            | 11.41  | 278398              | 14.05  | 189358              | 15.52  |

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BF101824 SAS No.: BF101824 SDG NO.: BF101824

EPA Sample No.: SSTDICCC040 Date Analyzed: Oct 18 2024 12:00AM

Lab File ID: BF139848.D Time Analyzed: 21:02

Instrument ID: BNA\_F GC Column: DB-UI ID: 0.18 (mm)

|                | IS4 (PHN)<br>AREA # | RT #   | IS5 (CRY)<br>AREA # | RT #   | IS6 (PRY)<br>AREA # | RT #   |
|----------------|---------------------|--------|---------------------|--------|---------------------|--------|
| 12 HOUR STD    | 663459              | 11.416 | 345800              | 14.051 | 365076              | 15.527 |
| UPPER LIMIT    | 1326918             | 11.916 | 691600              | 14.551 | 730152              | 16.027 |
| LOWER LIMIT    | 331729.5            | 10.916 | 172900              | 13.551 | 182538              | 15.027 |
| EPA SAMPLE NO. |                     |        |                     |        |                     |        |

IS4 (PHN) = Phenanthrene-d10  
IS5 (CRY) = Chrysene-d12  
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area  
AREA LOWER LIMIT = -50% of internal standard area  
RT UPPER LIMIT = +0.50 minutes of internal standard RT  
RT UPPER LIMIT = -0.50 minutes of internal standard RT

# Column used to flag values outside QC limits with an asterisk.  
\* Values outside of QC limits.



8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BF101824 SAS No.: BF101824 SDG NO.: BF101824

EPA Sample No.: SSTDICCC040 Date Analyzed: Oct 18 2024 12:00AM

Lab File ID: BF139848.D Time Analyzed: 14:19

Instrument ID: BNA\_F GC Column: DB-UI ID: 0.18 (mm)

|    |                | IS4 (PHN)<br>AREA # | RT #   | IS5 (CRY)<br>AREA # | RT #   | IS6 (PRY)<br>AREA # | RT #   |
|----|----------------|---------------------|--------|---------------------|--------|---------------------|--------|
|    | 12 HOUR STD    | 663459              | 11.416 | 345800              | 14.051 | 365076              | 15.527 |
|    | UPPER LIMIT    | 1326918             | 11.916 | 691600              | 14.551 | 730152              | 16.027 |
|    | LOWER LIMIT    | 331729.5            | 10.916 | 172900              | 13.551 | 182538              | 15.027 |
|    | EPA SAMPLE NO. |                     |        |                     |        |                     |        |
| 01 | SSTDICV040     | 685529              | 11.42  | 361675              | 14.05  | 376682              | 15.53  |
| 02 | PB164211BL     | 773013              | 11.41  | 464788              | 14.05  | 394361              | 15.53  |
| 03 | MH-121         | 411435              | 11.41  | 336325              | 14.05  | 284413              | 15.52  |
| 04 | 72-11934       | 340877              | 11.41  | 332383              | 14.05  | 249176              | 15.53  |
| 05 | EO-02-101624   | 336096              | 11.41  | 296478              | 14.05  | 205321              | 15.53  |
| 06 | EO-01-101624   | 495248              | 11.41  | 364844              | 14.05  | 270216              | 15.53  |
| 07 | TP-1           | 361850              | 11.41  | 285915              | 14.05  | 199270              | 15.53  |
| 08 | TP-2           | 379227              | 11.41  | 310398              | 14.05  | 211756              | 15.53  |
| 09 | TP-3           | 382038              | 11.41  | 296675              | 14.05  | 204072              | 15.53  |
| 10 | TP-4           | 338666              | 11.41  | 291401              | 14.05  | 197763              | 15.53  |
| 11 | TP-5           | 313413 *            | 11.41  | 275934              | 14.05  | 184771              | 15.53  |
| 12 | PAD-2          | 315633 *            | 11.41  | 278920              | 14.05  | 189282              | 15.53  |
| 13 | PAD-4          | 333846              | 11.41  | 286044              | 14.05  | 194650              | 15.53  |
| 14 | PAD-9          | 336553              | 11.41  | 285337              | 14.05  | 194355              | 15.53  |
| 15 | PAD-6          | 311468 *            | 11.41  | 278398              | 14.05  | 189358              | 15.52  |

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BF101824 SAS No.: BF101824 SDG NO.: BF101824

EPA Sample No.: SSTDICCC040 Date Analyzed: Oct 18 2024 12:00AM

Lab File ID: BF139848.D Time Analyzed: 21:02

Instrument ID: BNA\_F GC Column: DB-UI ID: 0.18 (mm)

|                | IS4 (PHN)<br>AREA # | RT #   | IS5 (CRY)<br>AREA # | RT #   | IS6 (PRY)<br>AREA # | RT #   |
|----------------|---------------------|--------|---------------------|--------|---------------------|--------|
| 12 HOUR STD    | 663459              | 11.416 | 345800              | 14.051 | 365076              | 15.527 |
| UPPER LIMIT    | 1326918             | 11.916 | 691600              | 14.551 | 730152              | 16.027 |
| LOWER LIMIT    | 331729.5            | 10.916 | 172900              | 13.551 | 182538              | 15.027 |
| EPA SAMPLE NO. |                     |        |                     |        |                     |        |

IS4 (PHN) = Phenanthrene-d10  
IS5 (CRY) = Chrysene-d12  
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area  
AREA LOWER LIMIT = -50% of internal standard area  
RT UPPER LIMIT = +0.50 minutes of internal standard RT  
RT UPPER LIMIT = -0.50 minutes of internal standard RT

# Column used to flag values outside QC limits with an asterisk.  
\* Values outside of QC limits.

## Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: **BF101824**

Client:

Analytical Method: **8270E**

DataFile:

| Lab Sample ID | Parameter                   | Spike | Result | Unit | Rec | RPD | RPD  |      | Low | Limits |     |
|---------------|-----------------------------|-------|--------|------|-----|-----|------|------|-----|--------|-----|
|               |                             |       |        |      |     |     | Qual | Qual |     | High   | RPD |
| SSTDICV040    | n-Nitrosodimethylamine      | 50    | 0      | ug/L | 0   |     | *    |      | 55  | 108    |     |
|               | Pyridine                    | 50    | 0      | ug/L | 0   |     | *    |      | 29  | 97     |     |
|               | Benzaldehyde                | 50    | 0      | ug/L | 0   |     | *    |      | 10  | 162    |     |
|               | Aniline                     | 50    | 0      | ug/L | 0   |     | *    |      | 10  | 130    |     |
|               | Phenol                      | 50    | 0      | ug/L | 0   |     | *    |      | 66  | 118    |     |
|               | bis(2-Chloroethyl)ether     | 50    | 0      | ug/L | 0   |     | *    |      | 62  | 103    |     |
|               | 2-Chlorophenol              | 50    | 0      | ug/L | 0   |     | *    |      | 70  | 117    |     |
|               | 1,2-Dichlorobenzene         | 50    | 0      | ug/L | 0   |     | *    |      | 72  | 102    |     |
|               | 1,3-Dichlorobenzene         | 50    | 0      | ug/L | 0   |     | *    |      | 71  | 103    |     |
|               | 1,4-Dichlorobenzene         | 50    | 0      | ug/L | 0   |     | *    |      | 76  | 103    |     |
|               | Benzyl Alcohol              | 50    | 0      | ug/L | 0   |     | *    |      | 36  | 93     |     |
|               | 2-Methylphenol              | 50    | 0      | ug/L | 0   |     | *    |      | 69  | 109    |     |
|               | 2,2-oxybis(1-Chloropropane) | 50    | 0      | ug/L | 0   |     | *    |      | 65  | 100    |     |
|               | Acetophenone                | 50    | 0      | ug/L | 0   |     | *    |      | 60  | 104    |     |
|               | 3+4-Methylphenols           | 50    | 0      | ug/L | 0   |     | *    |      | 67  | 106    |     |
|               | N-Nitroso-di-n-propylamine  | 50    | 0      | ug/L | 0   |     | *    |      | 57  | 107    |     |
|               | Hexachloroethane            | 50    | 0      | ug/L | 0   |     | *    |      | 76  | 118    |     |
|               | Nitrobenzene                | 50    | 0      | ug/L | 0   |     | *    |      | 58  | 106    |     |
|               | Isophorone                  | 50    | 0      | ug/L | 0   |     | *    |      | 61  | 102    |     |
|               | 2-Nitrophenol               | 50    | 0      | ug/L | 0   |     | *    |      | 70  | 115    |     |
|               | 2,4-Dimethylphenol          | 50    | 0      | ug/L | 0   |     | *    |      | 42  | 142    |     |
|               | bis(2-Chloroethoxy)methane  | 50    | 0      | ug/L | 0   |     | *    |      | 58  | 109    |     |
|               | 2,4-Dichlorophenol          | 50    | 0      | ug/L | 0   |     | *    |      | 66  | 115    |     |
|               | 1,2,4-Trichlorobenzene      | 50    | 0      | ug/L | 0   |     | *    |      | 41  | 115    |     |
|               | Benzoic acid                | 50    | 0      | ug/L | 0   |     | *    |      | 10  | 125    |     |
|               | Naphthalene                 | 50    | 0      | ug/L | 0   |     | *    |      | 64  | 107    |     |
|               | 4-Chloroaniline             | 50    | 0      | ug/L | 0   |     | *    |      | 10  | 85     |     |
|               | Hexachlorobutadiene         | 50    | 0      | ug/L | 0   |     | *    |      | 69  | 101    |     |
|               | Caprolactam                 | 50    | 0      | ug/L | 0   |     | *    |      | 58  | 128    |     |
|               | 4-Chloro-3-methylphenol     | 50    | 0      | ug/L | 0   |     | *    |      | 65  | 114    |     |
|               | 2-Methylnaphthalene         | 50    | 0      | ug/L | 0   |     | *    |      | 64  | 107    |     |
|               | Hexachlorocyclopentadiene   | 100   | 0      | ug/L | 0   |     | *    |      | 36  | 160    |     |
|               | 2,4,6-Trichlorophenol       | 50    | 0      | ug/L | 0   |     | *    |      | 61  | 110    |     |
|               | 2,4,5-Trichlorophenol       | 50    | 0      | ug/L | 0   |     | *    |      | 70  | 106    |     |
|               | 1,1-Biphenyl                | 50    | 0      | ug/L | 0   |     | *    |      | 72  | 98     |     |
|               | 2-Chloronaphthalene         | 50    | 0      | ug/L | 0   |     | *    |      | 59  | 106    |     |
|               | 2-Nitroaniline              | 50    | 0      | ug/L | 0   |     | *    |      | 73  | 114    |     |
|               | Dimethylphthalate           | 50    | 0      | ug/L | 0   |     | *    |      | 64  | 103    |     |
|               | Acenaphthylene              | 50    | 0      | ug/L | 0   |     | *    |      | 79  | 103    |     |
|               | 2,6-Dinitrotoluene          | 50    | 0      | ug/L | 0   |     | *    |      | 64  | 110    |     |
|               | 3-Nitroaniline              | 50    | 0      | ug/L | 0   |     | *    |      | 28  | 100    |     |
|               | Acenaphthene                | 50    | 0      | ug/L | 0   |     | *    |      | 59  | 113    |     |
|               | 2,4-Dinitrophenol           | 100   | 0      | ug/L | 0   |     | *    |      | 36  | 166    |     |
|               | 4-Nitrophenol               | 100   | 0      | ug/L | 0   |     | *    |      | 45  | 147    |     |

## Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: **BF101824**

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

Analytical Method: **8270E**

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

| Lab Sample ID | Parameter                  | Spike | Result | Unit | Rec | RPD | RPD  |      | Limits |      | RPD |
|---------------|----------------------------|-------|--------|------|-----|-----|------|------|--------|------|-----|
|               |                            |       |        |      |     |     | Qual | Qual | Low    | High |     |
| SSTDICV040    | Dibenzofuran               | 50    | 0      | ug/L | 0   |     | *    |      | 65     | 106  |     |
|               | 2,4-Dinitrotoluene         | 50    | 0      | ug/L | 0   |     | *    |      | 60     | 115  |     |
|               | Diethylphthalate           | 50    | 0      | ug/L | 0   |     | *    |      | 63     | 105  |     |
|               | 4-Chlorophenyl-phenylether | 50    | 0      | ug/L | 0   |     | *    |      | 61     | 104  |     |
|               | Fluorene                   | 50    | 0      | ug/L | 0   |     | *    |      | 64     | 107  |     |
|               | 4-Nitroaniline             | 50    | 0      | ug/L | 0   |     | *    |      | 55     | 125  |     |
|               | 4,6-Dinitro-2-methylphenol | 50    | 0      | ug/L | 0   |     | *    |      | 62     | 132  |     |
|               | N-Nitrosodiphenylamine     | 50    | 0      | ug/L | 0   |     | *    |      | 61     | 109  |     |
|               | Azobenzene                 | 50    | 0      | ug/L | 0   |     | *    |      | 59     | 106  |     |
|               | 4-Bromophenyl-phenylether  | 50    | 0      | ug/L | 0   |     | *    |      | 73     | 103  |     |
|               | Hexachlorobenzene          | 50    | 0      | ug/L | 0   |     | *    |      | 73     | 106  |     |
|               | Atrazine                   | 50    | 0      | ug/L | 0   |     | *    |      | 76     | 120  |     |
|               | Pentachlorophenol          | 100   | 0      | ug/L | 0   |     | *    |      | 47     | 114  |     |
|               | Phenanthrene               | 50    | 0      | ug/L | 0   |     | *    |      | 62     | 109  |     |
|               | Anthracene                 | 50    | 0      | ug/L | 0   |     | *    |      | 65     | 110  |     |
|               | Carbazole                  | 50    | 0      | ug/L | 0   |     | *    |      | 62     | 106  |     |
|               | Di-n-butylphthalate        | 50    | 0      | ug/L | 0   |     | *    |      | 64     | 106  |     |
|               | Fluoranthene               | 50    | 0      | ug/L | 0   |     | *    |      | 64     | 110  |     |
|               | Benzidine                  | 100   | 0      | ug/L | 0   |     | *    |      | 10     | 94   |     |
|               | Pyrene                     | 50    | 0      | ug/L | 0   |     | *    |      | 71     | 103  |     |
|               | Butylbenzylphthalate       | 50    | 0      | ug/L | 0   |     | *    |      | 61     | 105  |     |
|               | 3,3-Dichlorobenzidine      | 50    | 0      | ug/L | 0   |     | *    |      | 43     | 108  |     |
|               | Benzo(a)anthracene         | 50    | 0      | ug/L | 0   |     | *    |      | 62     | 107  |     |
|               | Chrysene                   | 50    | 0      | ug/L | 0   |     | *    |      | 61     | 108  |     |
|               | bis(2-Ethylhexyl)phthalate | 50    | 0      | ug/L | 0   |     | *    |      | 59     | 110  |     |
|               | Di-n-octyl phthalate       | 50    | 0      | ug/L | 0   |     | *    |      | 52     | 139  |     |
|               | Benzo(b)fluoranthene       | 50    | 0      | ug/L | 0   |     | *    |      | 77     | 113  |     |
|               | Benzo(k)fluoranthene       | 50    | 0      | ug/L | 0   |     | *    |      | 77     | 105  |     |
|               | Benzo(a)pyrene             | 50    | 0      | ug/L | 0   |     | *    |      | 72     | 131  |     |
|               | Indeno(1,2,3-cd)pyrene     | 50    | 0      | ug/L | 0   |     | *    |      | 72     | 105  |     |
|               | Dibenz(a,h)anthracene      | 50    | 0      | ug/L | 0   |     | *    |      | 78     | 115  |     |
|               | Benzo(g,h,i)perylene       | 50    | 0      | ug/L | 0   |     | *    |      | 75     | 118  |     |
|               | 1,2,4,5-Tetrachlorobenzene | 50    | 0      | ug/L | 0   |     | *    |      | 72     | 101  |     |
|               | 1,4-Dioxane                | 50    | 0      | ug/L | 0   |     | *    |      | 38     | 125  |     |
|               | 2,3,4,6-Tetrachlorophenol  | 50    | 0      | ug/L | 0   |     | *    |      | 63     | 116  |     |
|               | 1-Methylnaphthalene        | 50    | 0      | ug/L | 0   |     | *    |      | 51     | 114  |     |

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

EO-02-101624

Lab Name: CHEMTECH

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

Lab Code: CHEM Case No.: BF101824

SAS No.: BF101824 SDG NO.: BF101824

Lab File ID: BF139856.D

Lab Sample ID: P4421-01

Instrument ID: BNA\_F

Date Extracted: 10/17/2024

Matrix: (soil/water) Solid

Date Analyzed: 10/18/2024

Level: (low/med) LOW

Time Analyzed: 16:18

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 |
|-------------------|------------------|----------------|------------------|
| EO-02-101624      | P4421-01         | BF139856.D     | 10/18/2024       |
| EO-01-101624      | P4422-01         | BF139857.D     | 10/18/2024       |
| TP-1              | P4425-01         | BF139858.D     | 10/18/2024       |
| TP-2              | P4425-03         | BF139859.D     | 10/18/2024       |
| TP-3              | P4425-05         | BF139860.D     | 10/18/2024       |
| TP-4              | P4425-07         | BF139861.D     | 10/18/2024       |
| TP-5              | P4425-09         | BF139862.D     | 10/18/2024       |

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

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB164211BL

Lab Name: CHEMTECH

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

Lab Code: CHEM Case No.: BF101824

SAS No.: BF101824 SDG NO.: BF101824

Lab File ID: BF139853.D

Lab Sample ID: PB164211BL

Instrument ID: BNA\_F

Date Extracted: 10/17/2024

Matrix: (soil/water) Water

Date Analyzed: 10/18/2024

Level: (low/med) LOW

Time Analyzed: 14:48

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 |
|-------------------|------------------|----------------|------------------|
| MH-121            | P4405-01         | BF139854.D     | 10/18/2024       |

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

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PAD-2

Lab Name: CHEMTECH

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

Lab Code: CHEM Case No.: BF101824

SAS No.: BF101824 SDG NO.: BF101824

Lab File ID: BF139863.D

Lab Sample ID: P4426-03

Instrument ID: BNA\_F

Date Extracted: 10/17/2024

Matrix: (soil/water) Solid

Date Analyzed: 10/18/2024

Level: (low/med) LOW

Time Analyzed: 19:37

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

| EPA<br>SAMPLE NO. | LAB<br>SAMPLE ID | LAB<br>FILE ID | DATE<br>ANALYZED |
|-------------------|------------------|----------------|------------------|
| PAD-2             | P4426-03         | BF139863.D     | 10/18/2024       |
| PAD-4             | P4426-07         | BF139864.D     | 10/18/2024       |
| PAD-9             | P4426-17         | BF139865.D     | 10/18/2024       |
| PAD-6             | P4426-11         | BF139866.D     | 10/18/2024       |

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

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

72-11934

Lab Name: CHEMTECH

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

Lab Code: CHEM Case No.: BF101824

SAS No.: BF101824 SDG NO.: BF101824

Lab File ID: BF139855.D

Lab Sample ID: P4431-01

Instrument ID: BNA\_F

Date Extracted: 10/18/2024

Matrix: (soil/water) Solid

Date Analyzed: 10/18/2024

Level: (low/med) LOW

Time Analyzed: 15:50

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 |
|-------------------|------------------|----------------|------------------|
| 72-11934          | P4431-01         | BF139855.D     | 10/18/2024       |

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



## Surrogate Summary

SW-846

SDG No.: **BF101824**

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

Analytical Method: **8270E**

| Lab Sample ID | Client ID    | Datafile   | Parameter            | Spike<br>(PPM) | Result<br>(PPM) | Recovery (%) | Qual | Limits (%) |      |
|---------------|--------------|------------|----------------------|----------------|-----------------|--------------|------|------------|------|
|               |              |            |                      |                |                 |              |      | Low        | High |
| P4421-01      | EO-02-101624 | BF139856.D | 2-Fluorophenol       | 150            | 89.81           | 60           |      | 18         | 112  |
|               |              |            | Phenol-d6            | 150            | 81.90           | 55           |      | 15         | 107  |
|               |              |            | Nitrobenzene-d5      | 100            | 59.43           | 59           |      | 18         | 107  |
|               |              |            | 2-Fluorobiphenyl     | 100            | 74.92           | 75           |      | 20         | 109  |
|               |              |            | 2,4,6-Tribromophenol | 150            | 76.93           | 51           |      | 10         | 116  |
|               |              |            | Terphenyl-d14        | 100            | 54.04           | 54           |      | 10         | 105  |
| P4422-01      | EO-01-101624 | BF139857.D | 2-Fluorophenol       | 150            | 52.71           | 35           |      | 18         | 112  |
|               |              |            | Phenol-d6            | 150            | 47.22           | 31           |      | 15         | 107  |
|               |              |            | Nitrobenzene-d5      | 100            | 36.47           | 36           |      | 18         | 107  |
|               |              |            | 2-Fluorobiphenyl     | 100            | 39.62           | 40           |      | 20         | 109  |
|               |              |            | 2,4,6-Tribromophenol | 150            | 53.28           | 36           |      | 10         | 116  |
|               |              |            | Terphenyl-d14        | 100            | 35.63           | 36           |      | 10         | 105  |
| P4425-01      | TP-1         | BF139858.D | 2-Fluorophenol       | 150            | 49.35           | 33           |      | 18         | 112  |
|               |              |            | Phenol-d6            | 150            | 45.30           | 30           |      | 15         | 107  |
|               |              |            | Nitrobenzene-d5      | 100            | 34.21           | 34           |      | 18         | 107  |
|               |              |            | 2-Fluorobiphenyl     | 100            | 34.40           | 34           |      | 20         | 109  |
|               |              |            | 2,4,6-Tribromophenol | 150            | 46.33           | 31           |      | 10         | 116  |
|               |              |            | Terphenyl-d14        | 100            | 28.38           | 28           |      | 10         | 105  |
| P4425-03      | TP-2         | BF139859.D | 2-Fluorophenol       | 150            | 82.15           | 55           |      | 18         | 112  |
|               |              |            | Phenol-d6            | 150            | 76.30           | 51           |      | 15         | 107  |
|               |              |            | Nitrobenzene-d5      | 100            | 59.31           | 59           |      | 18         | 107  |
|               |              |            | 2-Fluorobiphenyl     | 100            | 63.99           | 64           |      | 20         | 109  |
|               |              |            | 2,4,6-Tribromophenol | 150            | 79.54           | 53           |      | 10         | 116  |
|               |              |            | Terphenyl-d14        | 100            | 49.54           | 50           |      | 10         | 105  |
| P4425-05      | TP-3         | BF139860.D | 2-Fluorophenol       | 150            | 80.70           | 54           |      | 18         | 112  |
|               |              |            | Phenol-d6            | 150            | 78.76           | 53           |      | 15         | 107  |
|               |              |            | Nitrobenzene-d5      | 100            | 57.53           | 58           |      | 18         | 107  |
|               |              |            | 2-Fluorobiphenyl     | 100            | 62.13           | 62           |      | 20         | 109  |
|               |              |            | 2,4,6-Tribromophenol | 150            | 70.30           | 47           |      | 10         | 116  |
|               |              |            | Terphenyl-d14        | 100            | 49.06           | 49           |      | 10         | 105  |
| P4425-07      | TP-4         | BF139861.D | 2-Fluorophenol       | 150            | 70.66           | 47           |      | 18         | 112  |
|               |              |            | Phenol-d6            | 150            | 68.00           | 45           |      | 15         | 107  |
|               |              |            | Nitrobenzene-d5      | 100            | 51.88           | 52           |      | 18         | 107  |
|               |              |            | 2-Fluorobiphenyl     | 100            | 55.91           | 56           |      | 20         | 109  |
|               |              |            | 2,4,6-Tribromophenol | 150            | 68.73           | 46           |      | 10         | 116  |
|               |              |            | Terphenyl-d14        | 100            | 43.76           | 44           |      | 10         | 105  |
| P4425-09      | TP-5         | BF139862.D | 2-Fluorophenol       | 150            | 82.24           | 55           |      | 18         | 112  |
|               |              |            | Phenol-d6            | 150            | 78.49           | 52           |      | 15         | 107  |
|               |              |            | Nitrobenzene-d5      | 100            | 59.00           | 59           |      | 18         | 107  |
|               |              |            | 2-Fluorobiphenyl     | 100            | 64.13           | 64           |      | 20         | 109  |
|               |              |            | 2,4,6-Tribromophenol | 150            | 76.13           | 51           |      | 10         | 116  |
|               |              |            | Terphenyl-d14        | 100            | 49.97           | 50           |      | 10         | 105  |

## Surrogate Summary

SW-846

SDG No.: **BF101824**

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

Analytical Method: **8270E**

| Lab Sample ID | Client ID  | Datafile   | Parameter            | Spike<br>(PPM) | Result<br>(PPM) | Recovery (%) | Qual | Limits (%) |      |
|---------------|------------|------------|----------------------|----------------|-----------------|--------------|------|------------|------|
|               |            |            |                      |                |                 |              |      | Low        | High |
| P4405-01      | MH-121     | BF139854.D | 2-Fluorophenol       | 150            | 77.90           | 52           |      | 10         | 139  |
|               |            |            | Phenol-d6            | 150            | 58.26           | 39           |      | 10         | 134  |
|               |            |            | Nitrobenzene-d5      | 100            | 98.25           | 98           |      | 49         | 133  |
|               |            |            | 2-Fluorobiphenyl     | 100            | 98.00           | 98           |      | 52         | 132  |
|               |            |            | 2,4,6-Tribromophenol | 150            | 121.92          | 81           |      | 44         | 137  |
|               |            |            | Terphenyl-d14        | 100            | 70.71           | 71           |      | 48         | 125  |
| PB164211BL    | PB164211BL | BF139853.D | 2-Fluorophenol       | 150            | 126.90          | 85           |      | 10         | 139  |
|               |            |            | Phenol-d6            | 150            | 122.24          | 81           |      | 10         | 134  |
|               |            |            | Nitrobenzene-d5      | 100            | 92.57           | 93           |      | 49         | 133  |
|               |            |            | 2-Fluorobiphenyl     | 100            | 85.78           | 86           |      | 52         | 132  |
|               |            |            | 2,4,6-Tribromophenol | 150            | 130.39          | 87           |      | 44         | 137  |
|               |            |            | Terphenyl-d14        | 100            | 88.49           | 88           |      | 48         | 125  |

## Surrogate Summary

SW-846

SDG No.: **BF101824**

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

Analytical Method: **8270E**

| Lab Sample ID | Client ID | Datafile   | Parameter            | Spike<br>(PPM) | Result<br>(PPM) | Recovery (%) | Qual | Limits (%) |      |
|---------------|-----------|------------|----------------------|----------------|-----------------|--------------|------|------------|------|
|               |           |            |                      |                |                 |              |      | Low        | High |
| P4426-03      | PAD-2     | BF139863.D | 2-Fluorophenol       | 150            | 35.71           | 24           |      | 18         | 112  |
|               |           |            | Phenol-d6            | 150            | 44.14           | 29           |      | 15         | 107  |
|               |           |            | Nitrobenzene-d5      | 100            | 46.10           | 46           |      | 18         | 107  |
|               |           |            | 2-Fluorobiphenyl     | 100            | 55.04           | 55           |      | 20         | 109  |
|               |           |            | 2,4,6-Tribromophenol | 150            | 26.68           | 18           |      | 10         | 116  |
|               |           |            | Terphenyl-d14        | 100            | 44.05           | 44           |      | 10         | 105  |
| P4426-07      | PAD-4     | BF139864.D | 2-Fluorophenol       | 150            | 38.88           | 26           |      | 18         | 112  |
|               |           |            | Phenol-d6            | 150            | 49.39           | 33           |      | 15         | 107  |
|               |           |            | Nitrobenzene-d5      | 100            | 52.11           | 52           |      | 18         | 107  |
|               |           |            | 2-Fluorobiphenyl     | 100            | 64.17           | 64           |      | 20         | 109  |
|               |           |            | 2,4,6-Tribromophenol | 150            | 29.78           | 20           |      | 10         | 116  |
|               |           |            | Terphenyl-d14        | 100            | 51.88           | 52           |      | 10         | 105  |
| P4426-11      | PAD-6     | BF139866.D | 2-Fluorophenol       | 150            | 24.05           | 16           | *    | 18         | 112  |
|               |           |            | Phenol-d6            | 150            | 36.01           | 24           |      | 15         | 107  |
|               |           |            | Nitrobenzene-d5      | 100            | 43.30           | 43           |      | 18         | 107  |
|               |           |            | 2-Fluorobiphenyl     | 100            | 56.06           | 56           |      | 20         | 109  |
|               |           |            | 2,4,6-Tribromophenol | 150            | 15.03           | 10           |      | 10         | 116  |
|               |           |            | Terphenyl-d14        | 100            | 44.84           | 45           |      | 10         | 105  |
| P4426-17      | PAD-9     | BF139865.D | 2-Fluorophenol       | 150            | 23.23           | 15           | *    | 18         | 112  |
|               |           |            | Phenol-d6            | 150            | 35.54           | 24           |      | 15         | 107  |
|               |           |            | Nitrobenzene-d5      | 100            | 39.51           | 40           |      | 18         | 107  |
|               |           |            | 2-Fluorobiphenyl     | 100            | 51.68           | 52           |      | 20         | 109  |
|               |           |            | 2,4,6-Tribromophenol | 150            | 14.65           | 10           |      | 10         | 116  |
|               |           |            | Terphenyl-d14        | 100            | 45.25           | 45           |      | 10         | 105  |

## Surrogate Summary

SW-846

SDG No.: **BF101824**

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

Analytical Method: **8270E**

| Lab Sample ID | Client ID | Datafile   | Parameter            | Spike<br>(PPM) | Result<br>(PPM) | Recovery (%) | Qual | Limits (%) |      |
|---------------|-----------|------------|----------------------|----------------|-----------------|--------------|------|------------|------|
|               |           |            |                      |                |                 |              |      | Low        | High |
| P4431-01      | 72-11934  | BF139855.D | 2-Fluorophenol       | 150            | 109.46          | 73           |      | 18         | 112  |
|               |           |            | Phenol-d6            | 150            | 103.24          | 69           |      | 15         | 107  |
|               |           |            | Nitrobenzene-d5      | 100            | 82.78           | 83           |      | 18         | 107  |
|               |           |            | 2-Fluorobiphenyl     | 100            | 87.54           | 88           |      | 20         | 109  |
|               |           |            | 2,4,6-Tribromophenol | 150            | 92.58           | 62           |      | 10         | 116  |
|               |           |            | Terphenyl-d14        | 100            | 57.09           | 57           |      | 10         | 105  |

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK  
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: BF101824

Lab Code: CHEM

SAS No.: BF101824 SDG NO.: BF101824

Lab File ID: BF139843.D

DFTPP Injection Date: 10/18/2024

Instrument ID: BNA\_F

DFTPP Injection Time: 09:22

| m/e | ION ABUNDANCE CRITERIA             | % RELATIVE ABUNDANCE |
|-----|------------------------------------|----------------------|
| 51  | 10.0 - 80.0% of mass 198           | 43.8                 |
| 68  | Less than 2.0% of mass 69          | 0.7 ( 1.9 ) 1        |
| 69  | Mass 69 relative abundance         | 37.8                 |
| 70  | Less than 2.0% of mass 69          | 0.3 ( 0.7 ) 1        |
| 127 | 10.0 - 80.0% of mass 198           | 46.9                 |
| 197 | Less than 2.0% of mass 198         | 0.8                  |
| 198 | Base Peak, 100% relative abundance | 100                  |
| 199 | 5.0 to 9.0% of mass 198            | 6.7                  |
| 275 | 10.0 - 60.0% of mass 198           | 26.9                 |
| 365 | Greater than 1% of mass 198        | 3.4                  |
| 441 | Present, but less than mass 443    | 14                   |
| 442 | Greater than 50% of mass 198       | 93.1                 |
| 443 | 15.0 - 24.0% of mass 442           | 17.9 ( 19.2 ) 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 |
|-------------------|------------------|----------------|------------------|------------------|
| SSTDICC2.5        | SSTDICC2.5       | BF139844.D     | 10/18/2024       | 10:27            |
| SSTDICC005        | SSTDICC005       | BF139845.D     | 10/18/2024       | 10:55            |
| SSTDICC010        | SSTDICC010       | BF139846.D     | 10/18/2024       | 11:23            |
| SSTDICC020        | SSTDICC020       | BF139847.D     | 10/18/2024       | 11:52            |
| SSTDICCC040       | SSTDICCC040      | BF139848.D     | 10/18/2024       | 12:20            |
| SSTDICC050        | SSTDICC050       | BF139849.D     | 10/18/2024       | 12:49            |
| SSTDICC060        | SSTDICC060       | BF139850.D     | 10/18/2024       | 13:17            |
| SSTDICC080        | SSTDICC080       | BF139851.D     | 10/18/2024       | 13:46            |
| SSTDICV040        | SSTDICV040       | BF139852.D     | 10/18/2024       | 14:19            |
| PB164211BL        | PB164211BL       | BF139853.D     | 10/18/2024       | 14:48            |
| MH-121            | P4405-01         | BF139854.D     | 10/18/2024       | 15:21            |
| 72-11934          | P4431-01         | BF139855.D     | 10/18/2024       | 15:50            |
| EO-02-101624      | P4421-01         | BF139856.D     | 10/18/2024       | 16:18            |
| EO-01-101624      | P4422-01         | BF139857.D     | 10/18/2024       | 16:46            |
| TP-1              | P4425-01         | BF139858.D     | 10/18/2024       | 17:15            |
| TP-2              | P4425-03         | BF139859.D     | 10/18/2024       | 17:44            |
| TP-3              | P4425-05         | BF139860.D     | 10/18/2024       | 18:12            |
| TP-4              | P4425-07         | BF139861.D     | 10/18/2024       | 18:41            |

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK  
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: BF101824

Lab Code: CHEM

SAS No.: BF101824 SDG NO.: BF101824

Lab File ID: BF139843.D

DFTPP Injection Date: 10/18/2024

Instrument ID: BNA\_F

DFTPP Injection Time: 09:22

| m/e | ION ABUNDANCE CRITERIA             | % RELATIVE ABUNDANCE |
|-----|------------------------------------|----------------------|
| 51  | 10.0 - 80.0% of mass 198           | 43.8                 |
| 68  | Less than 2.0% of mass 69          | 0.7 ( 1.9 ) 1        |
| 69  | Mass 69 relative abundance         | 37.8                 |
| 70  | Less than 2.0% of mass 69          | 0.3 ( 0.7 ) 1        |
| 127 | 10.0 - 80.0% of mass 198           | 46.9                 |
| 197 | Less than 2.0% of mass 198         | 0.8                  |
| 198 | Base Peak, 100% relative abundance | 100                  |
| 199 | 5.0 to 9.0% of mass 198            | 6.7                  |
| 275 | 10.0 - 60.0% of mass 198           | 26.9                 |
| 365 | Greater than 1% of mass 198        | 3.4                  |
| 441 | Present, but less than mass 443    | 14                   |
| 442 | Greater than 50% of mass 198       | 93.1                 |
| 443 | 15.0 - 24.0% of mass 442           | 17.9 ( 19.2 ) 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 |
|-------------------|------------------|----------------|------------------|------------------|
| TP-5              | P4425-09         | BF139862.D     | 10/18/2024       | 19:09            |
| PAD-2             | P4426-03         | BF139863.D     | 10/18/2024       | 19:37            |
| PAD-4             | P4426-07         | BF139864.D     | 10/18/2024       | 20:05            |
| PAD-9             | P4426-17         | BF139865.D     | 10/18/2024       | 20:34            |
| PAD-6             | P4426-11         | BF139866.D     | 10/18/2024       | 21:02            |