

7C

## SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: \_\_\_\_\_  
Lab Code: CHEM Case No.: BM082224 SAS No.: BM082224 SDG No.: BM082224  
Instrument ID: BNA\_M Calibration Date/Time: 8/22/2024 1:09:14  
Lab File ID: BM047308.D Init. Calib. Date(s): \_\_\_\_\_  
EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): \_\_\_\_\_  
GC Column: ZB-GR ID: 0.25 (mm)

| COMPOUND                    | RRF   | RRF040 | MIN RRF | %D      | MAX%D |
|-----------------------------|-------|--------|---------|---------|-------|
| n-Nitrosodimethylamine      | 0.594 | 0.486  |         | -18.182 |       |
| Pyridine                    | 1.360 | 1.164  |         | -14.412 |       |
| 2-Fluorophenol              | 1.119 | 1.034  |         | -7.596  |       |
| Benzaldehyde                | 0.904 | 0.830  |         | -8.186  |       |
| Aniline                     | 1.458 | 1.284  |         | -11.934 |       |
| Phenol-d6                   | 1.542 | 1.396  |         | -9.468  |       |
| Phenol                      | 1.539 | 1.369  |         | -11.046 | 20.0  |
| bis(2-Chloroethyl)ether     | 1.318 | 1.178  |         | -10.622 |       |
| 2-Chlorophenol              | 1.221 | 1.134  |         | -7.125  |       |
| 1,2-Dichlorobenzene         | 1.386 | 1.309  |         | -5.556  |       |
| 1,3-Dichlorobenzene         | 1.451 | 1.394  |         | -3.928  |       |
| 1,4-Dichlorobenzene         | 1.469 | 1.405  |         | -4.357  | 20.0  |
| Benzyl Alcohol              | 1.098 | 0.982  |         | -10.565 |       |
| 2-Methylphenol              | 1.027 | 0.949  |         | -7.595  |       |
| 2,2-oxybis(1-Chloropropane) | 1.691 | 1.396  |         | -17.445 |       |
| Acetophenone                | 0.483 | 0.452  |         | -6.418  |       |
| 3+4-Methylphenols           | 1.435 | 1.298  |         | -9.547  |       |
| n-Nitroso-di-n-propylamine  | 1.039 | 0.891  | 0.050   | -14.244 |       |
| Nitrobenzene-d5             | 0.397 | 0.355  |         | -10.579 |       |
| Hexachloroethane            | 0.569 | 0.525  |         | -7.733  |       |
| Nitrobenzene                | 0.400 | 0.365  |         | -8.75   |       |
| Isophorone                  | 0.692 | 0.657  |         | -5.058  |       |
| 2-Nitrophenol               | 0.177 | 0.185  |         | 4.52    | 20.0  |
| 2,4-Dimethylphenol          | 0.207 | 0.205  |         | -0.966  |       |
| bis(2-Chloroethoxy)methane  | 0.435 | 0.410  |         | -5.747  |       |
| 2,4-Dichlorophenol          | 0.308 | 0.323  |         | 4.87    | 20.0  |
| 1,2,4-Trichlorobenzene      | 0.348 | 0.364  |         | 4.598   |       |
| Benzoic acid                | 0.241 | 0.249  |         | 3.32    |       |
| Naphthalene                 | 0.996 | 0.950  |         | -4.618  |       |
| 4-Chloroaniline             | 0.383 | 0.361  |         | -5.744  |       |
| Hexachlorobutadiene         | 0.204 | 0.229  |         | 12.255  | 20.0  |
| Caprolactam                 | 0.107 | 0.107  |         | 0.0     |       |
| 4-Chloro-3-methylphenol     | 0.328 | 0.324  |         | -1.22   | 20.0  |
| 2-Methylnaphthalene         | 0.709 | 0.696  |         | -1.834  |       |
| Hexachlorocyclopentadiene   | 0.190 | 0.173  | 0.050   | -8.947  |       |
| 2,4,6-Trichlorophenol       | 0.388 | 0.405  |         | 4.381   | 20.0  |
| 2-Fluorobiphenyl            | 1.297 | 1.252  |         | -3.47   |       |
| 2,4,5-Trichlorophenol       | 0.430 | 0.449  |         | 4.419   |       |
| 1,1-Biphenyl                | 1.424 | 1.349  |         | -5.267  |       |

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

Lab Code: CHEM Case No.: BM082224 SAS No.: BM082224 SDG No.: BM082224

Instrument ID: BNA\_M Calibration Date/Time: 8/22/2024 1:09:14

Lab File ID: BM047308.D Init. Calib. Date(s): \_\_\_\_\_

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): \_\_\_\_\_

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

| COMPOUND                   | RRF   | RRF040 | MIN<br>RRF | %D      | MAX%D |
|----------------------------|-------|--------|------------|---------|-------|
| 2-Chloronaphthalene        | 1.113 | 1.054  |            | -5.301  |       |
| 2-Nitroaniline             | 0.349 | 0.316  |            | -9.456  |       |
| Dimethylphthalate          | 1.397 | 1.357  |            | -2.863  |       |
| Acenaphthylene             | 1.640 | 1.557  |            | -5.061  |       |
| 2,6-Dinitrotoluene         | 0.327 | 0.326  |            | -0.306  |       |
| 3-Nitroaniline             | 0.327 | 0.311  |            | -4.893  |       |
| Acenaphthene               | 1.041 | 0.985  |            | -5.379  | 20.0  |
| 2,4-Dinitrophenol          | 0.196 | 0.184  | 0.050      | -6.122  |       |
| 4-Nitrophenol              | 0.282 | 0.253  | 0.050      | -10.284 |       |
| Dibenzofuran               | 1.644 | 1.575  |            | -4.197  |       |
| 2,4-Dinitrotoluene         | 0.436 | 0.431  |            | -1.147  |       |
| Diethylphthalate           | 1.426 | 1.360  |            | -4.628  |       |
| 4-Chlorophenyl-phenylether | 0.646 | 0.652  |            | 0.929   |       |
| Fluorene                   | 1.356 | 1.297  |            | -4.351  |       |
| 4-Nitroaniline             | 0.322 | 0.305  |            | -5.28   |       |
| 4,6-Dinitro-2-methylphenol | 0.117 | 0.120  |            | 2.564   |       |
| n-Nitrosodiphenylamine     | 0.545 | 0.518  |            | -4.954  | 20.0  |
| Azobenzene                 | 1.352 | 1.187  |            | -12.204 |       |
| 2,4,6-Tribromophenol       | 0.232 | 0.243  |            | 4.741   |       |
| 4-Bromophenyl-phenylether  | 0.193 | 0.200  |            | 3.627   |       |
| Hexachlorobenzene          | 0.231 | 0.232  |            | 0.433   |       |
| Atrazine                   | 0.164 | 0.145  |            | -11.585 |       |
| Pentachlorophenol          | 0.162 | 0.164  |            | 1.235   | 20.0  |
| Phenanthrene               | 1.004 | 0.946  |            | -5.777  |       |
| Anthracene                 | 0.977 | 0.929  |            | -4.913  |       |
| Carbazole                  | 0.997 | 0.928  |            | -6.921  |       |
| Di-n-butylphthalate        | 1.160 | 1.134  |            | -2.241  |       |
| Fluoranthene               | 1.221 | 1.198  |            | -1.884  | 20.0  |
| Benzidine                  | 0.339 | 0.505  |            | 48.968  |       |
| Pyrene                     | 1.428 | 1.416  |            | -0.84   |       |
| Terphenyl-d14              | 0.933 | 1.039  |            | 11.361  |       |
| Butylbenzylphthalate       | 0.583 | 0.603  |            | 3.431   |       |
| 3,3-Dichlorobenzidine      | 0.415 | 0.452  |            | 8.916   |       |
| Benzo(a)anthracene         | 1.328 | 1.267  |            | -4.593  |       |
| Chrysene                   | 1.260 | 1.185  |            | -5.952  |       |
| Bis(2-ethylhexyl)phthalate | 0.826 | 0.838  |            | 1.453   |       |
| Di-n-octyl phthalate       | 1.405 | 1.481  |            | 5.409   | 20.0  |
| Benzo(b)fluoranthene       | 1.188 | 1.174  |            | -1.178  |       |
| Benzo(k)fluoranthene       | 1.122 | 1.122  |            | 0.0     |       |

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

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

Lab Code: CHEM Case No.: BM082224 SAS No.: BM082224 SDG No.: BM082224

Instrument ID: BNA\_M Calibration Date/Time: 8/22/2024 1:09:14

Lab File ID: BM047308.D Init. Calib. Date(s): \_\_\_\_\_

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): \_\_\_\_\_

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

| COMPOUND                   | RRF   | RRF040 | MIN<br>RRF | %D      | MAX%D |
|----------------------------|-------|--------|------------|---------|-------|
| Benzo(a)pyrene             | 1.029 | 0.998  |            | -3.013  | 20.0  |
| Indeno(1,2,3-cd)pyrene     | 1.293 | 1.113  |            | -13.921 |       |
| Dibenzo(a,h)anthracene     | 1.046 | 0.901  |            | -13.862 |       |
| Benzo(g,h,i)perylene       | 1.086 | 0.915  |            | -15.746 |       |
| 1,2,4,5-Tetrachlorobenzene | 0.546 | 0.582  |            | 6.593   |       |
| 1,4-Dioxane                | 0.464 | 0.417  |            | -10.129 | 20.0  |
| 2,3,4,6-Tetrachlorophenol  | 0.354 | 0.370  |            | 4.52    |       |
| 1-Methylnaphthalene        | 0.701 | 0.678  |            | -3.281  |       |

All other compounds must meet a minimum RRF of 0.010.

## Report of Analysis

|                    |            |                 |                       |
|--------------------|------------|-----------------|-----------------------|
| Client:            |            | Date Collected: | 8/21/2024 12:00:00 AM |
| Project:           |            | Date Received:  | 8/21/2024 12:00:00 AM |
| Client Sample ID:  | PB162876BL | SDG No.:        | BM082224              |
| Lab Sample ID:     | PB162876BL | Matrix:         | Solid                 |
| Analytical Method: | 8270E      | % Moisture:     | 0                     |
| Sample Wt/Vol:     | 30.02      | 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 |
| BM047309.D        | 1         | 8/21/2024 12:00:00 AM | 8/22/2024 12:00:00 AM | PB162876      |

| CAS Number     | Parameter                   | Conc. | Qualifier | MDL  | LOD  | LOQ / CRQL | Units |
|----------------|-----------------------------|-------|-----------|------|------|------------|-------|
| <b>TARGETS</b> |                             |       |           |      |      |            |       |
| 62-75-9        | n-Nitrosodimethylamine      | 86.7  | U         | 86.7 | 270  | 330        | ug/Kg |
| 110-86-1       | Pyridine                    | 79.8  | U         | 79.8 | 130  | 170        | ug/Kg |
| 100-52-7       | Benzaldehyde                | 180   | U         | 180  | 270  | 330        | ug/Kg |
| 62-53-3        | Aniline                     | 96.8  | U         | 96.8 | 130  | 170        | ug/Kg |
| 108-95-2       | Phenol                      | 82.8  | U         | 82.8 | 130  | 170        | ug/Kg |
| 111-44-4       | bis(2-Chloroethyl)ether     | 83.6  | U         | 83.6 | 130  | 170        | ug/Kg |
| 95-57-8        | 2-Chlorophenol              | 83.4  | U         | 83.4 | 130  | 170        | ug/Kg |
| 95-50-1        | 1,2-Dichlorobenzene         | 84.5  | U         | 84.5 | 130  | 170        | ug/Kg |
| 541-73-1       | 1,3-Dichlorobenzene         | 85.9  | U         | 85.9 | 130  | 170        | ug/Kg |
| 106-46-7       | 1,4-Dichlorobenzene         | 86.4  | U         | 86.4 | 130  | 170        | ug/Kg |
| 100-51-6       | Benzyl Alcohol              | 82.9  | U         | 82.9 | 270  | 330        | ug/Kg |
| 95-48-7        | 2-Methylphenol              | 80.5  | U         | 80.5 | 130  | 170        | ug/Kg |
| 108-60-1       | 2,2-oxybis(1-Chloropropane) | 90.8  | U         | 90.8 | 130  | 170        | ug/Kg |
| 98-86-2        | Acetophenone                | 86.8  | U         | 86.8 | 130  | 170        | ug/Kg |
| 65794-96-9     | 3+4-Methylphenols           | 79.7  | U         | 79.7 | 270  | 330        | ug/Kg |
| 621-64-7       | n-Nitroso-di-n-propylamine  | 40.3  | U         | 40.3 | 79.9 | 79.9       | ug/Kg |
| 67-72-1        | Hexachloroethane            | 82.9  | U         | 82.9 | 130  | 170        | ug/Kg |
| 98-95-3        | Nitrobenzene                | 90.7  | U         | 90.7 | 130  | 170        | ug/Kg |
| 78-59-1        | Isophorone                  | 84.5  | U         | 84.5 | 130  | 170        | ug/Kg |
| 88-75-5        | 2-Nitrophenol               | 94.4  | U         | 94.4 | 130  | 170        | ug/Kg |
| 105-67-9       | 2,4-Dimethylphenol          | 93.1  | U         | 93.1 | 130  | 170        | ug/Kg |
| 111-91-1       | bis(2-Chloroethoxy)methane  | 85.7  | U         | 85.7 | 130  | 170        | ug/Kg |
| 120-83-2       | 2,4-Dichlorophenol          | 75.4  | U         | 75.4 | 130  | 170        | ug/Kg |
| 120-82-1       | 1,2,4-Trichlorobenzene      | 85.3  | U         | 85.3 | 130  | 170        | ug/Kg |
| 65-85-0        | Benzoic acid                | 240   | U         | 240  | 270  | 330        | ug/Kg |
| 91-20-3        | Naphthalene                 | 82.5  | U         | 82.5 | 130  | 170        | ug/Kg |
| 106-47-8       | 4-Chloroaniline             | 82.5  | U         | 82.5 | 130  | 170        | ug/Kg |
| 87-68-3        | Hexachlorobutadiene         | 83.2  | U         | 83.2 | 130  | 170        | ug/Kg |

## Report of Analysis

|                    |                        |                 |                       |
|--------------------|------------------------|-----------------|-----------------------|
| Client:            |                        | Date Collected: | 8/21/2024 12:00:00 AM |
| Project:           |                        | Date Received:  | 8/21/2024 12:00:00 AM |
| Client Sample ID:  | PB162876BL             | SDG No.:        | BM082224              |
| Lab Sample ID:     | PB162876BL             | Matrix:         | Solid                 |
| Analytical Method: | 8270E                  | % Moisture:     | 0                     |
| Sample Wt/Vol:     | 30.02      Units:    g | Final Vol:      | 1000              uL  |
| Soil Aliquot Vol:  | uL                     | Test:           |                       |
| Extraction Type :  | Decanted :             | Level :         | LOW                   |
| Injection Volume : | GPC Factor :           | GPC Cleanup :   | PH :                  |

|                   |           |                       |                       |               |
|-------------------|-----------|-----------------------|-----------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date             | Date Analyzed         | Prep Batch ID |
| BM047309.D        | 1         | 8/21/2024 12:00:00 AM | 8/22/2024 12:00:00 AM | PB162876      |

| CAS Number | Parameter                                       | Conc.  | Qualifier | MDL    | LOD | LOQ / CRQL | Units |
|------------|-------------------------------------------------|--------|-----------|--------|-----|------------|-------|
| 105-60-2   | Caprolactam                                     | 86.7   | U         | 86.7   | 270 | 330        | ug/Kg |
| 59-50-7    | 4-Chloro-3-methylphenol                         | 77.4   | U         | 77.4   | 130 | 170        | ug/Kg |
| 91-57-6    | 2-Methylnaphthalene                             | 82.4   | U         | 82.4   | 130 | 170        | ug/Kg |
| 77-47-4    | Hexachlorocyclopentadiene                       | 160    | U         | 160    | 270 | 330        | ug/Kg |
| 88-06-2    | 2,4,6-Trichlorophenol                           | 71.4   | U         | 71.4   | 130 | 170        | ug/Kg |
| 95-95-4    | 2,4,5-Trichlorophenol                           | 74     | U         | 74     | 130 | 170        | ug/Kg |
| 92-52-4    | 1,1-Biphenyl                                    | 87.3   | U         | 87.3   | 130 | 170        | ug/Kg |
| 91-58-7    | 2-Chloronaphthalene                             | 83.2   | U         | 83.2   | 130 | 170        | ug/Kg |
| 88-74-4    | 2-Nitroaniline                                  | 94.9   | U         | 94.9   | 130 | 170        | ug/Kg |
| 131-11-3   | Dimethylphthalate                               | 81.6   | U         | 81.6   | 130 | 170        | ug/Kg |
| 208-96-8   | Acenaphthylene                                  | 86.4   | U         | 86.4   | 130 | 170        | ug/Kg |
| 606-20-2   | 2,6-Dinitrotoluene                              | 83.1   | U         | 83.1   | 130 | 170        | ug/Kg |
| 99-09-2    | 3-Nitroaniline                                  | 89.1   | U         | 89.1   | 130 | 170        | ug/Kg |
| 83-32-9    | Acenaphthene                                    | 81     | U         | 81     | 130 | 170        | ug/Kg |
| Total PAH  | Total PAH                                       | 1323.5 | U         | 1323.5 | 130 | 2720       | ug/Kg |
| 51-28-5    | 2,4-Dinitrophenol                               | 240    | U         | 240    | 270 | 330        | ug/Kg |
| 100-02-7   | 4-Nitrophenol                                   | 120    | U         | 120    | 270 | 330        | ug/Kg |
| 132-64-9   | Dibenzofuran                                    | 84.3   | U         | 84.3   | 130 | 170        | ug/Kg |
| 121-14-2   | 2,4-Dinitrotoluene                              | 86.1   | U         | 86.1   | 130 | 170        | ug/Kg |
| 25321-14-6 | 2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture) | 169.2  | U         | 169.2  | 130 | 340        | ug/Kg |
| 84-66-2    | Diethylphthalate                                | 80     | U         | 80     | 130 | 170        | ug/Kg |
| 7005-72-3  | 4-Chlorophenyl-phenylether                      | 85.5   | U         | 85.5   | 130 | 170        | ug/Kg |
| 86-73-7    | Fluorene                                        | 85.4   | U         | 85.4   | 130 | 170        | ug/Kg |
| 100-01-6   | 4-Nitroaniline                                  | 110    | U         | 110    | 130 | 170        | ug/Kg |
| 534-52-1   | 4,6-Dinitro-2-methylphenol                      | 120    | U         | 120    | 270 | 330        | ug/Kg |
| 86-30-6    | n-Nitrosodiphenylamine                          | 81.5   | U         | 81.5   | 130 | 170        | ug/Kg |
| 103-33-3   | Azobenzene                                      | 79.5   | U         | 79.5   | 130 | 170        | ug/Kg |
| 101-55-3   | 4-Bromophenyl-phenylether                       | 78.8   | U         | 78.8   | 130 | 170        | ug/Kg |
| 118-74-1   | Hexachlorobenzene                               | 84.9   | U         | 84.9   | 130 | 170        | ug/Kg |
| 1912-24-9  | Atrazine                                        | 91.3   | U         | 91.3   | 130 | 170        | ug/Kg |

## Report of Analysis

|                    |                        |                 |                       |
|--------------------|------------------------|-----------------|-----------------------|
| Client:            |                        | Date Collected: | 8/21/2024 12:00:00 AM |
| Project:           |                        | Date Received:  | 8/21/2024 12:00:00 AM |
| Client Sample ID:  | PB162876BL             | SDG No.:        | BM082224              |
| Lab Sample ID:     | PB162876BL             | Matrix:         | Solid                 |
| Analytical Method: | 8270E                  | % Moisture:     | 0                     |
| Sample Wt/Vol:     | 30.02      Units:    g | Final Vol:      | 1000              uL  |
| Soil Aliquot Vol:  | uL                     | Test:           |                       |
| Extraction Type :  | Decanted :             | Level :         | LOW                   |
| Injection Volume : | GPC Factor :           | GPC Cleanup :   | PH :                  |

|                   |           |                       |                       |               |
|-------------------|-----------|-----------------------|-----------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date             | Date Analyzed         | Prep Batch ID |
| BM047309.D        | 1         | 8/21/2024 12:00:00 AM | 8/22/2024 12:00:00 AM | PB162876      |

| CAS Number        | Parameter                  | Conc.   | Qualifier | MDL    | LOD | LOQ / CRQL | Units     |
|-------------------|----------------------------|---------|-----------|--------|-----|------------|-----------|
| 87-86-5           | Pentachlorophenol          | 77.2    | U         | 77.2   | 270 | 330        | ug/Kg     |
| 85-01-8           | Phenanthrene               | 83.9    | U         | 83.9   | 130 | 170        | ug/Kg     |
| 120-12-7          | Anthracene                 | 84.3    | U         | 84.3   | 130 | 170        | ug/Kg     |
| 86-74-8           | Carbazole                  | 80.2    | U         | 80.2   | 130 | 170        | ug/Kg     |
| 84-74-2           | Di-n-butylphthalate        | 84.2    | U         | 84.2   | 130 | 170        | ug/Kg     |
| 206-44-0          | Fluoranthene               | 81.6    | U         | 81.6   | 130 | 170        | ug/Kg     |
| 92-87-5           | Benzidine                  | 160     | U         | 160    | 270 | 330        | ug/Kg     |
| 129-00-0          | Pyrene                     | 82.9    | U         | 82.9   | 130 | 170        | ug/Kg     |
| 85-68-7           | Butylbenzylphthalate       | 96.7    | U         | 96.7   | 130 | 170        | ug/Kg     |
| 91-94-1           | 3,3-Dichlorobenzidine      | 98.5    | U         | 98.5   | 270 | 330        | ug/Kg     |
| 56-55-3           | Benzo(a)anthracene         | 80.6    | U         | 80.6   | 130 | 170        | ug/Kg     |
| 218-01-9          | Chrysene                   | 79.4    | U         | 79.4   | 130 | 170        | ug/Kg     |
| 117-81-7          | Bis(2-ethylhexyl)phthalate | 90.9    | U         | 90.9   | 130 | 170        | ug/Kg     |
| 117-84-0          | Di-n-octyl phthalate       | 110     | U         | 110    | 270 | 330        | ug/Kg     |
| 205-99-2          | Benzo(b)fluoranthene       | 81      | U         | 81     | 130 | 170        | ug/Kg     |
| 207-08-9          | Benzo(k)fluoranthene       | 82.5    | U         | 82.5   | 130 | 170        | ug/Kg     |
| 50-32-8           | Benzo(a)pyrene             | 92.9    | U         | 92.9   | 130 | 170        | ug/Kg     |
| 193-39-5          | Indeno(1,2,3-cd)pyrene     | 78      | U         | 78     | 130 | 170        | ug/Kg     |
| 53-70-3           | Dibenzo(a,h)anthracene     | 81.1    | U         | 81.1   | 130 | 170        | ug/Kg     |
| 191-24-2          | Benzo(g,h,i)perylene       | 80      | U         | 80     | 130 | 170        | ug/Kg     |
| 95-94-3           | 1,2,4,5-Tetrachlorobenzene | 86.7    | U         | 86.7   | 130 | 170        | ug/Kg     |
| 123-91-1          | 1,4-Dioxane                | 110     | U         | 110    | 130 | 170        | ug/Kg     |
| 58-90-2           | 2,3,4,6-Tetrachlorophenol  | 74.7    | U         | 74.7   | 130 | 170        | ug/Kg     |
| 90-12-0           | 1-Methylnaphthalene        | 83.1    | U         | 83.1   | 170 | 170        | ug/Kg     |
| <b>SURROGATES</b> |                            |         |           |        |     |            |           |
| 367-12-4          | 2-Fluorophenol             | 119.818 |           | 18-112 |     | 80         | SPK: -150 |
| 13127-88-3        | Phenol-d6                  | 111.327 |           | 15-107 |     | 74         | SPK: -150 |
| 4165-60-0         | Nitrobenzene-d5            | 74.604  |           | 18-107 |     | 75         | SPK: -100 |
| 321-60-8          | 2-Fluorobiphenyl           | 78.325  |           | 20-109 |     | 78         | SPK: -100 |

## Report of Analysis

|                    |                     |                 |                       |
|--------------------|---------------------|-----------------|-----------------------|
| Client:            |                     | Date Collected: | 8/21/2024 12:00:00 AM |
| Project:           |                     | Date Received:  | 8/21/2024 12:00:00 AM |
| Client Sample ID:  | PB162876BL          | SDG No.:        | BM082224              |
| Lab Sample ID:     | PB162876BL          | Matrix:         | Solid                 |
| Analytical Method: | 8270E               | % Moisture:     | 0                     |
| Sample Wt/Vol:     | 30.02      Units: g | Final Vol:      | 1000      uL          |
| Soil Aliquot Vol:  | uL                  | Test:           |                       |
| Extraction Type :  | Decanted :          | Level :         | LOW                   |
| Injection Volume : | GPC Factor :        | GPC Cleanup :   | PH :                  |

|                   |           |                       |                       |               |
|-------------------|-----------|-----------------------|-----------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date             | Date Analyzed         | Prep Batch ID |
| BM047309.D        | 1         | 8/21/2024 12:00:00 AM | 8/22/2024 12:00:00 AM | PB162876      |

| CAS Number                            | Parameter                        | Conc.   | Qualifier | MDL    | LOD | LOQ / CRQL | Units     |
|---------------------------------------|----------------------------------|---------|-----------|--------|-----|------------|-----------|
| 118-79-6                              | 2,4,6-Tribromophenol             | 134.706 |           | 10-116 |     | 90         | SPK: -150 |
| 1718-51-0                             | Terphenyl-d14                    | 92.606  |           | 10-105 |     | 93         | SPK: -100 |
| <b>INTERNAL STANDARDS</b>             |                                  |         |           |        |     |            |           |
| 3855-82-1                             | 1,4-Dichlorobenzene-d4           | 281766  | 7.351     |        |     |            |           |
| 1146-65-2                             | Naphthalene-d8                   | 1075987 | 10.104    |        |     |            |           |
| 15067-26-2                            | Acenaphthene-d10                 | 756240  | 14.01     |        |     |            |           |
| 1517-22-2                             | Phenanthrene-d10                 | 1704432 | 16.774    |        |     |            |           |
| 1719-03-5                             | Chrysene-d12                     | 1659655 | 21.015    |        |     |            |           |
| 1520-96-3                             | Perylene-d12                     | 1651863 | 23.709    |        |     |            |           |
| <b>TENTATIVE IDENTIFIED COMPOUNDS</b> |                                  |         |           |        |     |            |           |
| 000123-42-2                           | 2-Pentanone, 4-hydroxy-4-methyl- | 160     | A         |        |     | 4.563      |           |

## Report of Analysis

|                    |            |                 |                       |
|--------------------|------------|-----------------|-----------------------|
| Client:            |            | Date Collected: | 8/21/2024 12:00:00 AM |
| Project:           |            | Date Received:  | 8/21/2024 12:00:00 AM |
| Client Sample ID:  | PB162876BS | SDG No.:        | BM082224              |
| Lab Sample ID:     | PB162876BS | Matrix:         | Solid                 |
| Analytical Method: | 8270E      | % Moisture:     | 0                     |
| Sample Wt/Vol:     | 30.01      | 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 |
| BM047310.D        | 1         | 8/21/2024 12:00:00 AM | 8/22/2024 12:00:00 AM | PB162876      |

| CAS Number     | Parameter                   | Conc. | Qualifier | MDL  | LOD | LOQ / CRQL | Units |
|----------------|-----------------------------|-------|-----------|------|-----|------------|-------|
| <b>TARGETS</b> |                             |       |           |      |     |            |       |
| 62-75-9        | n-Nitrosodimethylamine      | 1200  |           | 86.8 | 270 | 330        | ug/Kg |
| 110-86-1       | Pyridine                    | 1000  |           | 79.9 | 130 | 170        | ug/Kg |
| 100-52-7       | Benzaldehyde                | 900   |           | 180  | 270 | 330        | ug/Kg |
| 62-53-3        | Aniline                     | 1400  |           | 96.9 | 130 | 170        | ug/Kg |
| 108-95-2       | Phenol                      | 1400  |           | 82.9 | 130 | 170        | ug/Kg |
| 111-44-4       | bis(2-Chloroethyl)ether     | 1300  |           | 83.7 | 130 | 170        | ug/Kg |
| 95-57-8        | 2-Chlorophenol              | 1500  |           | 83.5 | 130 | 170        | ug/Kg |
| 95-50-1        | 1,2-Dichlorobenzene         | 1400  |           | 84.6 | 130 | 170        | ug/Kg |
| 541-73-1       | 1,3-Dichlorobenzene         | 1400  |           | 86   | 130 | 170        | ug/Kg |
| 106-46-7       | 1,4-Dichlorobenzene         | 1400  |           | 86.5 | 130 | 170        | ug/Kg |
| 100-51-6       | Benzyl Alcohol              | 1500  |           | 83   | 270 | 330        | ug/Kg |
| 95-48-7        | 2-Methylphenol              | 1400  |           | 80.6 | 130 | 170        | ug/Kg |
| 108-60-1       | 2,2-oxybis(1-Chloropropane) | 1300  |           | 90.9 | 130 | 170        | ug/Kg |
| 98-86-2        | Acetophenone                | 1400  |           | 86.9 | 130 | 170        | ug/Kg |
| 65794-96-9     | 3+4-Methylphenols           | 1400  |           | 79.8 | 270 | 330        | ug/Kg |
| 621-64-7       | n-Nitroso-di-n-propylamine  | 1300  |           | 40.3 | 80  | 80         | ug/Kg |
| 67-72-1        | Hexachloroethane            | 1400  |           | 83   | 130 | 170        | ug/Kg |
| 98-95-3        | Nitrobenzene                | 1300  |           | 90.8 | 130 | 170        | ug/Kg |
| 78-59-1        | Isophorone                  | 1400  |           | 84.6 | 130 | 170        | ug/Kg |
| 88-75-5        | 2-Nitrophenol               | 1600  |           | 94.5 | 130 | 170        | ug/Kg |
| 105-67-9       | 2,4-Dimethylphenol          | 1900  |           | 93.2 | 130 | 170        | ug/Kg |
| 111-91-1       | bis(2-Chloroethoxy)methane  | 1400  |           | 85.8 | 130 | 170        | ug/Kg |
| 120-83-2       | 2,4-Dichlorophenol          | 1600  |           | 75.5 | 130 | 170        | ug/Kg |
| 120-82-1       | 1,2,4-Trichlorobenzene      | 1500  |           | 85.4 | 130 | 170        | ug/Kg |
| 65-85-0        | Benzoic acid                | 1400  |           | 240  | 270 | 330        | ug/Kg |
| 91-20-3        | Naphthalene                 | 1400  |           | 82.6 | 130 | 170        | ug/Kg |
| 106-47-8       | 4-Chloroaniline             | 1000  |           | 82.6 | 130 | 170        | ug/Kg |
| 87-68-3        | Hexachlorobutadiene         | 1600  |           | 83.3 | 130 | 170        | ug/Kg |

## Report of Analysis

|                    |                        |                 |                       |
|--------------------|------------------------|-----------------|-----------------------|
| Client:            |                        | Date Collected: | 8/21/2024 12:00:00 AM |
| Project:           |                        | Date Received:  | 8/21/2024 12:00:00 AM |
| Client Sample ID:  | PB162876BS             | SDG No.:        | BM082224              |
| Lab Sample ID:     | PB162876BS             | Matrix:         | Solid                 |
| Analytical Method: | 8270E                  | % Moisture:     | 0                     |
| Sample Wt/Vol:     | 30.01      Units:    g | Final Vol:      | 1000              uL  |
| Soil Aliquot Vol:  | uL                     | Test:           |                       |
| Extraction Type :  | Decanted :             | Level :         | LOW                   |
| Injection Volume : | GPC Factor :           | GPC Cleanup :   | PH :                  |

|                   |           |                       |                       |               |
|-------------------|-----------|-----------------------|-----------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date             | Date Analyzed         | Prep Batch ID |
| BM047310.D        | 1         | 8/21/2024 12:00:00 AM | 8/22/2024 12:00:00 AM | PB162876      |

| CAS Number | Parameter                                       | Conc. | Qualifier | MDL    | LOD | LOQ / CRQL | Units |
|------------|-------------------------------------------------|-------|-----------|--------|-----|------------|-------|
| 105-60-2   | Caprolactam                                     | 1500  |           | 86.8   | 270 | 330        | ug/Kg |
| 59-50-7    | 4-Chloro-3-methylphenol                         | 1500  |           | 77.5   | 130 | 170        | ug/Kg |
| 91-57-6    | 2-Methylnaphthalene                             | 1500  |           | 82.5   | 130 | 170        | ug/Kg |
| 77-47-4    | Hexachlorocyclopentadiene                       | 5600  | E         | 160    | 270 | 330        | ug/Kg |
| 88-06-2    | 2,4,6-Trichlorophenol                           | 1600  |           | 71.4   | 130 | 170        | ug/Kg |
| 95-95-4    | 2,4,5-Trichlorophenol                           | 1600  |           | 74     | 130 | 170        | ug/Kg |
| 92-52-4    | 1,1-Biphenyl                                    | 1400  |           | 87.4   | 130 | 170        | ug/Kg |
| 91-58-7    | 2-Chloronaphthalene                             | 1400  |           | 83.3   | 130 | 170        | ug/Kg |
| 88-74-4    | 2-Nitroaniline                                  | 1400  |           | 95     | 130 | 170        | ug/Kg |
| 131-11-3   | Dimethylphthalate                               | 1500  |           | 81.7   | 130 | 170        | ug/Kg |
| 208-96-8   | Acenaphthylene                                  | 1500  |           | 86.5   | 130 | 170        | ug/Kg |
| 606-20-2   | 2,6-Dinitrotoluene                              | 1500  |           | 83.2   | 130 | 170        | ug/Kg |
| 99-09-2    | 3-Nitroaniline                                  | 1100  |           | 89.2   | 130 | 170        | ug/Kg |
| 83-32-9    | Acenaphthene                                    | 1500  |           | 81.1   | 130 | 170        | ug/Kg |
| Total PAH  | Total PAH                                       | 23900 |           | 1325.1 | 130 | 2720       | ug/Kg |
| 51-28-5    | 2,4-Dinitrophenol                               | 3300  | E         | 240    | 270 | 330        | ug/Kg |
| 100-02-7   | 4-Nitrophenol                                   | 2800  | E         | 120    | 270 | 330        | ug/Kg |
| 132-64-9   | Dibenzofuran                                    | 1500  |           | 84.4   | 130 | 170        | ug/Kg |
| 121-14-2   | 2,4-Dinitrotoluene                              | 1500  |           | 86.2   | 130 | 170        | ug/Kg |
| 25321-14-6 | 2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture) | 3000  |           | 169.4  | 130 | 340        | ug/Kg |
| 84-66-2    | Diethylphthalate                                | 1500  |           | 80.1   | 130 | 170        | ug/Kg |
| 7005-72-3  | 4-Chlorophenyl-phenylether                      | 1500  |           | 85.6   | 130 | 170        | ug/Kg |
| 86-73-7    | Fluorene                                        | 1500  |           | 85.5   | 130 | 170        | ug/Kg |
| 100-01-6   | 4-Nitroaniline                                  | 1400  |           | 110    | 130 | 170        | ug/Kg |
| 534-52-1   | 4,6-Dinitro-2-methylphenol                      | 1600  |           | 120    | 270 | 330        | ug/Kg |
| 86-30-6    | n-Nitrosodiphenylamine                          | 1500  |           | 81.6   | 130 | 170        | ug/Kg |
| 103-33-3   | Azobenzene                                      | 1400  |           | 79.6   | 130 | 170        | ug/Kg |
| 101-55-3   | 4-Bromophenyl-phenylether                       | 1600  |           | 78.9   | 130 | 170        | ug/Kg |
| 118-74-1   | Hexachlorobenzene                               | 1600  |           | 85     | 130 | 170        | ug/Kg |
| 1912-24-9  | Atrazine                                        | 2000  |           | 91.4   | 130 | 170        | ug/Kg |

## Report of Analysis

|                    |            |                 |                       |
|--------------------|------------|-----------------|-----------------------|
| Client:            |            | Date Collected: | 8/21/2024 12:00:00 AM |
| Project:           |            | Date Received:  | 8/21/2024 12:00:00 AM |
| Client Sample ID:  | PB162876BS | SDG No.:        | BM082224              |
| Lab Sample ID:     | PB162876BS | Matrix:         | Solid                 |
| Analytical Method: | 8270E      | % Moisture:     | 0                     |
| Sample Wt/Vol:     | 30.01      | 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 |
| BM047310.D        | 1         | 8/21/2024 12:00:00 AM | 8/22/2024 12:00:00 AM | PB162876      |

| CAS Number        | Parameter                  | Conc.   | Qualifier | MDL    | LOD | LOQ / CRQL | Units     |
|-------------------|----------------------------|---------|-----------|--------|-----|------------|-----------|
| 87-86-5           | Pentachlorophenol          | 3000    | E         | 77.3   | 270 | 330        | ug/Kg     |
| 85-01-8           | Phenanthrene               | 1500    |           | 84     | 130 | 170        | ug/Kg     |
| 120-12-7          | Anthracene                 | 1600    |           | 84.4   | 130 | 170        | ug/Kg     |
| 86-74-8           | Carbazole                  | 1500    |           | 80.3   | 130 | 170        | ug/Kg     |
| 84-74-2           | Di-n-butylphthalate        | 1500    |           | 84.3   | 130 | 170        | ug/Kg     |
| 206-44-0          | Fluoranthene               | 1500    |           | 81.7   | 130 | 170        | ug/Kg     |
| 92-87-5           | Benzidine                  | 3300    | E         | 160    | 270 | 330        | ug/Kg     |
| 129-00-0          | Pyrene                     | 1600    |           | 83     | 130 | 170        | ug/Kg     |
| 85-68-7           | Butylbenzylphthalate       | 1700    |           | 96.8   | 130 | 170        | ug/Kg     |
| 91-94-1           | 3,3-Dichlorobenzidine      | 1500    |           | 98.6   | 270 | 330        | ug/Kg     |
| 56-55-3           | Benzo(a)anthracene         | 1500    |           | 80.7   | 130 | 170        | ug/Kg     |
| 218-01-9          | Chrysene                   | 1500    |           | 79.5   | 130 | 170        | ug/Kg     |
| 117-81-7          | Bis(2-ethylhexyl)phthalate | 1700    |           | 91     | 130 | 170        | ug/Kg     |
| 117-84-0          | Di-n-octyl phthalate       | 1700    |           | 110    | 270 | 330        | ug/Kg     |
| 205-99-2          | Benzo(b)fluoranthene       | 1500    |           | 81.1   | 130 | 170        | ug/Kg     |
| 207-08-9          | Benzo(k)fluoranthene       | 1600    |           | 82.6   | 130 | 170        | ug/Kg     |
| 50-32-8           | Benzo(a)pyrene             | 1600    |           | 93     | 130 | 170        | ug/Kg     |
| 193-39-5          | Indeno(1,2,3-cd)pyrene     | 1400    |           | 78.1   | 130 | 170        | ug/Kg     |
| 53-70-3           | Dibenzo(a,h)anthracene     | 1400    |           | 81.2   | 130 | 170        | ug/Kg     |
| 191-24-2          | Benzo(g,h,i)perylene       | 1300    |           | 80.1   | 130 | 170        | ug/Kg     |
| 95-94-3           | 1,2,4,5-Tetrachlorobenzene | 1600    |           | 86.8   | 130 | 170        | ug/Kg     |
| 123-91-1          | 1,4-Dioxane                | 1100    |           | 110    | 130 | 170        | ug/Kg     |
| 58-90-2           | 2,3,4,6-Tetrachlorophenol  | 1700    |           | 74.7   | 130 | 170        | ug/Kg     |
| 90-12-0           | 1-Methylnaphthalene        | 1400    |           | 83.2   | 170 | 170        | ug/Kg     |
| <b>SURROGATES</b> |                            |         |           |        |     |            |           |
| 367-12-4          | 2-Fluorophenol             | 128.814 |           | 18-112 |     | 86         | SPK: -150 |
| 13127-88-3        | Phenol-d6                  | 120.33  |           | 15-107 |     | 80         | SPK: -150 |
| 4165-60-0         | Nitrobenzene-d5            | 80.688  |           | 18-107 |     | 81         | SPK: -100 |
| 321-60-8          | 2-Fluorobiphenyl           | 88.773  |           | 20-109 |     | 89         | SPK: -100 |

## Report of Analysis

|                    |                     |                 |                       |
|--------------------|---------------------|-----------------|-----------------------|
| Client:            |                     | Date Collected: | 8/21/2024 12:00:00 AM |
| Project:           |                     | Date Received:  | 8/21/2024 12:00:00 AM |
| Client Sample ID:  | PB162876BS          | SDG No.:        | BM082224              |
| Lab Sample ID:     | PB162876BS          | Matrix:         | Solid                 |
| Analytical Method: | 8270E               | % Moisture:     | 0                     |
| Sample Wt/Vol:     | 30.01      Units: g | Final Vol:      | 1000      uL          |
| Soil Aliquot Vol:  | uL                  | Test:           |                       |
| Extraction Type :  | Decanted :          | Level :         | LOW                   |
| Injection Volume : | GPC Factor :        | GPC Cleanup :   | PH :                  |

|                   |           |                       |                       |               |
|-------------------|-----------|-----------------------|-----------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date             | Date Analyzed         | Prep Batch ID |
| BM047310.D        | 1         | 8/21/2024 12:00:00 AM | 8/22/2024 12:00:00 AM | PB162876      |

| CAS Number                | Parameter              | Conc.   | Qualifier | MDL    | LOD | LOQ / CRQL | Units     |
|---------------------------|------------------------|---------|-----------|--------|-----|------------|-----------|
| 118-79-6                  | 2,4,6-Tribromophenol   | 141.553 |           | 10-116 |     | 94         | SPK: -150 |
| 1718-51-0                 | Terphenyl-d14          | 113.318 | *         | 10-105 |     | 113        | SPK: -100 |
| <b>INTERNAL STANDARDS</b> |                        |         |           |        |     |            |           |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4 | 282445  | 7.351     |        |     |            |           |
| 1146-65-2                 | Naphthalene-d8         | 1071183 | 10.11     |        |     |            |           |
| 15067-26-2                | Acenaphthene-d10       | 710049  | 14.016    |        |     |            |           |
| 1517-22-2                 | Phenanthrene-d10       | 1479379 | 16.78     |        |     |            |           |
| 1719-03-5                 | Chrysene-d12           | 1223655 | 21.021    |        |     |            |           |
| 1520-96-3                 | Perylene-d12           | 1272658 | 23.709    |        |     |            |           |

## Report of Analysis

|                    |            |                 |                      |
|--------------------|------------|-----------------|----------------------|
| Client:            |            | Date Collected: | 8/8/2024 12:00:00 AM |
| Project:           |            | Date Received:  | 8/8/2024 12:00:00 AM |
| Client Sample ID:  | PB162574BL | SDG No.:        | BM082224             |
| Lab Sample ID:     | PB162574BL | Matrix:         | Solid                |
| Analytical Method: | 8270E      | % Moisture:     | 0                    |
| Sample Wt/Vol:     | 30.03      | 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 |
| BM047311.D        | 1         | 8/8/2024 12:00:00 AM | 8/22/2024 12:00:00 AM | PB162574      |

| CAS Number     | Parameter                   | Conc. | Qualifier | MDL  | LOD  | LOQ / CRQL | Units |
|----------------|-----------------------------|-------|-----------|------|------|------------|-------|
| <b>TARGETS</b> |                             |       |           |      |      |            |       |
| 62-75-9        | n-Nitrosodimethylamine      | 86.7  | U         | 86.7 | 270  | 330        | ug/Kg |
| 110-86-1       | Pyridine                    | 79.8  | U         | 79.8 | 130  | 170        | ug/Kg |
| 100-52-7       | Benzaldehyde                | 180   | U         | 180  | 270  | 330        | ug/Kg |
| 62-53-3        | Aniline                     | 96.8  | U         | 96.8 | 130  | 170        | ug/Kg |
| 108-95-2       | Phenol                      | 82.8  | U         | 82.8 | 130  | 170        | ug/Kg |
| 111-44-4       | bis(2-Chloroethyl)ether     | 83.6  | U         | 83.6 | 130  | 170        | ug/Kg |
| 95-57-8        | 2-Chlorophenol              | 83.4  | U         | 83.4 | 130  | 170        | ug/Kg |
| 95-50-1        | 1,2-Dichlorobenzene         | 84.5  | U         | 84.5 | 130  | 170        | ug/Kg |
| 541-73-1       | 1,3-Dichlorobenzene         | 85.9  | U         | 85.9 | 130  | 170        | ug/Kg |
| 106-46-7       | 1,4-Dichlorobenzene         | 86.4  | U         | 86.4 | 130  | 170        | ug/Kg |
| 100-51-6       | Benzyl Alcohol              | 82.9  | U         | 82.9 | 270  | 330        | ug/Kg |
| 95-48-7        | 2-Methylphenol              | 80.5  | U         | 80.5 | 130  | 170        | ug/Kg |
| 108-60-1       | 2,2-oxybis(1-Chloropropane) | 90.8  | U         | 90.8 | 130  | 170        | ug/Kg |
| 98-86-2        | Acetophenone                | 86.8  | U         | 86.8 | 130  | 170        | ug/Kg |
| 65794-96-9     | 3+4-Methylphenols           | 79.7  | U         | 79.7 | 270  | 330        | ug/Kg |
| 621-64-7       | n-Nitroso-di-n-propylamine  | 40.3  | U         | 40.3 | 79.9 | 79.9       | ug/Kg |
| 67-72-1        | Hexachloroethane            | 82.9  | U         | 82.9 | 130  | 170        | ug/Kg |
| 98-95-3        | Nitrobenzene                | 90.7  | U         | 90.7 | 130  | 170        | ug/Kg |
| 78-59-1        | Isophorone                  | 84.5  | U         | 84.5 | 130  | 170        | ug/Kg |
| 88-75-5        | 2-Nitrophenol               | 94.4  | U         | 94.4 | 130  | 170        | ug/Kg |
| 105-67-9       | 2,4-Dimethylphenol          | 93.1  | U         | 93.1 | 130  | 170        | ug/Kg |
| 111-91-1       | bis(2-Chloroethoxy)methane  | 85.7  | U         | 85.7 | 130  | 170        | ug/Kg |
| 120-83-2       | 2,4-Dichlorophenol          | 75.4  | U         | 75.4 | 130  | 170        | ug/Kg |
| 120-82-1       | 1,2,4-Trichlorobenzene      | 85.3  | U         | 85.3 | 130  | 170        | ug/Kg |
| 65-85-0        | Benzoic acid                | 240   | U         | 240  | 270  | 330        | ug/Kg |
| 91-20-3        | Naphthalene                 | 82.5  | U         | 82.5 | 130  | 170        | ug/Kg |
| 106-47-8       | 4-Chloroaniline             | 82.5  | U         | 82.5 | 130  | 170        | ug/Kg |
| 87-68-3        | Hexachlorobutadiene         | 83.2  | U         | 83.2 | 130  | 170        | ug/Kg |

## Report of Analysis

|                    |            |                 |                      |
|--------------------|------------|-----------------|----------------------|
| Client:            |            | Date Collected: | 8/8/2024 12:00:00 AM |
| Project:           |            | Date Received:  | 8/8/2024 12:00:00 AM |
| Client Sample ID:  | PB162574BL | SDG No.:        | BM082224             |
| Lab Sample ID:     | PB162574BL | Matrix:         | Solid                |
| Analytical Method: | 8270E      | % Moisture:     | 0                    |
| Sample Wt/Vol:     | 30.03      | 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 |
| BM047311.D        | 1         | 8/8/2024 12:00:00 AM | 8/22/2024 12:00:00 AM | PB162574      |

| CAS Number | Parameter                                       | Conc.  | Qualifier | MDL    | LOD | LOQ / CRQL | Units |
|------------|-------------------------------------------------|--------|-----------|--------|-----|------------|-------|
| 105-60-2   | Caprolactam                                     | 86.7   | U         | 86.7   | 270 | 330        | ug/Kg |
| 59-50-7    | 4-Chloro-3-methylphenol                         | 77.4   | U         | 77.4   | 130 | 170        | ug/Kg |
| 91-57-6    | 2-Methylnaphthalene                             | 82.4   | U         | 82.4   | 130 | 170        | ug/Kg |
| 77-47-4    | Hexachlorocyclopentadiene                       | 160    | U         | 160    | 270 | 330        | ug/Kg |
| 88-06-2    | 2,4,6-Trichlorophenol                           | 71.3   | U         | 71.3   | 130 | 170        | ug/Kg |
| 95-95-4    | 2,4,5-Trichlorophenol                           | 73.9   | U         | 73.9   | 130 | 170        | ug/Kg |
| 92-52-4    | 1,1-Biphenyl                                    | 87.3   | U         | 87.3   | 130 | 170        | ug/Kg |
| 91-58-7    | 2-Chloronaphthalene                             | 83.2   | U         | 83.2   | 130 | 170        | ug/Kg |
| 88-74-4    | 2-Nitroaniline                                  | 94.9   | U         | 94.9   | 130 | 170        | ug/Kg |
| 131-11-3   | Dimethylphthalate                               | 81.6   | U         | 81.6   | 130 | 170        | ug/Kg |
| 208-96-8   | Acenaphthylene                                  | 86.4   | U         | 86.4   | 130 | 170        | ug/Kg |
| 606-20-2   | 2,6-Dinitrotoluene                              | 83.1   | U         | 83.1   | 130 | 170        | ug/Kg |
| 99-09-2    | 3-Nitroaniline                                  | 89.1   | U         | 89.1   | 130 | 170        | ug/Kg |
| 83-32-9    | Acenaphthene                                    | 81     | U         | 81     | 130 | 170        | ug/Kg |
| Total PAH  | Total PAH                                       | 1323.5 | U         | 1323.5 | 130 | 2720       | ug/Kg |
| 51-28-5    | 2,4-Dinitrophenol                               | 240    | U         | 240    | 270 | 330        | ug/Kg |
| 100-02-7   | 4-Nitrophenol                                   | 120    | U         | 120    | 270 | 330        | ug/Kg |
| 132-64-9   | Dibenzofuran                                    | 84.3   | U         | 84.3   | 130 | 170        | ug/Kg |
| 121-14-2   | 2,4-Dinitrotoluene                              | 86.1   | U         | 86.1   | 130 | 170        | ug/Kg |
| 25321-14-6 | 2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture) | 169.2  | U         | 169.2  | 130 | 340        | ug/Kg |
| 84-66-2    | Diethylphthalate                                | 80     | U         | 80     | 130 | 170        | ug/Kg |
| 7005-72-3  | 4-Chlorophenyl-phenylether                      | 85.5   | U         | 85.5   | 130 | 170        | ug/Kg |
| 86-73-7    | Fluorene                                        | 85.4   | U         | 85.4   | 130 | 170        | ug/Kg |
| 100-01-6   | 4-Nitroaniline                                  | 110    | U         | 110    | 130 | 170        | ug/Kg |
| 534-52-1   | 4,6-Dinitro-2-methylphenol                      | 120    | U         | 120    | 270 | 330        | ug/Kg |
| 86-30-6    | n-Nitrosodiphenylamine                          | 81.5   | U         | 81.5   | 130 | 170        | ug/Kg |
| 103-33-3   | Azobenzene                                      | 79.5   | U         | 79.5   | 130 | 170        | ug/Kg |
| 101-55-3   | 4-Bromophenyl-phenylether                       | 78.8   | U         | 78.8   | 130 | 170        | ug/Kg |
| 118-74-1   | Hexachlorobenzene                               | 84.9   | U         | 84.9   | 130 | 170        | ug/Kg |
| 1912-24-9  | Atrazine                                        | 91.3   | U         | 91.3   | 130 | 170        | ug/Kg |

## Report of Analysis

|                    |                        |                 |                      |
|--------------------|------------------------|-----------------|----------------------|
| Client:            |                        | Date Collected: | 8/8/2024 12:00:00 AM |
| Project:           |                        | Date Received:  | 8/8/2024 12:00:00 AM |
| Client Sample ID:  | PB162574BL             | SDG No.:        | BM082224             |
| Lab Sample ID:     | PB162574BL             | Matrix:         | Solid                |
| Analytical Method: | 8270E                  | % Moisture:     | 0                    |
| Sample Wt/Vol:     | 30.03      Units:    g | Final Vol:      | 1000              uL |
| Soil Aliquot Vol:  | uL                     | Test:           |                      |
| Extraction Type :  | Decanted :             | Level :         | LOW                  |
| Injection Volume : | GPC Factor :           | GPC Cleanup :   | PH :                 |

|                   |           |                      |                       |               |
|-------------------|-----------|----------------------|-----------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date            | Date Analyzed         | Prep Batch ID |
| BM047311.D        | 1         | 8/8/2024 12:00:00 AM | 8/22/2024 12:00:00 AM | PB162574      |

| CAS Number        | Parameter                  | Conc.   | Qualifier | MDL    | LOD | LOQ / CRQL | Units     |
|-------------------|----------------------------|---------|-----------|--------|-----|------------|-----------|
| 87-86-5           | Pentachlorophenol          | 77.2    | U         | 77.2   | 270 | 330        | ug/Kg     |
| 85-01-8           | Phenanthrene               | 83.9    | U         | 83.9   | 130 | 170        | ug/Kg     |
| 120-12-7          | Anthracene                 | 84.3    | U         | 84.3   | 130 | 170        | ug/Kg     |
| 86-74-8           | Carbazole                  | 80.2    | U         | 80.2   | 130 | 170        | ug/Kg     |
| 84-74-2           | Di-n-butylphthalate        | 84.2    | U         | 84.2   | 130 | 170        | ug/Kg     |
| 206-44-0          | Fluoranthene               | 81.6    | U         | 81.6   | 130 | 170        | ug/Kg     |
| 92-87-5           | Benzidine                  | 160     | U         | 160    | 270 | 330        | ug/Kg     |
| 129-00-0          | Pyrene                     | 82.9    | U         | 82.9   | 130 | 170        | ug/Kg     |
| 85-68-7           | Butylbenzylphthalate       | 96.7    | U         | 96.7   | 130 | 170        | ug/Kg     |
| 91-94-1           | 3,3-Dichlorobenzidine      | 98.5    | U         | 98.5   | 270 | 330        | ug/Kg     |
| 56-55-3           | Benzo(a)anthracene         | 80.6    | U         | 80.6   | 130 | 170        | ug/Kg     |
| 218-01-9          | Chrysene                   | 79.4    | U         | 79.4   | 130 | 170        | ug/Kg     |
| 117-81-7          | Bis(2-ethylhexyl)phthalate | 90.9    | U         | 90.9   | 130 | 170        | ug/Kg     |
| 117-84-0          | Di-n-octyl phthalate       | 110     | U         | 110    | 270 | 330        | ug/Kg     |
| 205-99-2          | Benzo(b)fluoranthene       | 81      | U         | 81     | 130 | 170        | ug/Kg     |
| 207-08-9          | Benzo(k)fluoranthene       | 82.5    | U         | 82.5   | 130 | 170        | ug/Kg     |
| 50-32-8           | Benzo(a)pyrene             | 92.9    | U         | 92.9   | 130 | 170        | ug/Kg     |
| 193-39-5          | Indeno(1,2,3-cd)pyrene     | 78      | U         | 78     | 130 | 170        | ug/Kg     |
| 53-70-3           | Dibenzo(a,h)anthracene     | 81.1    | U         | 81.1   | 130 | 170        | ug/Kg     |
| 191-24-2          | Benzo(g,h,i)perylene       | 80      | U         | 80     | 130 | 170        | ug/Kg     |
| 95-94-3           | 1,2,4,5-Tetrachlorobenzene | 86.7    | U         | 86.7   | 130 | 170        | ug/Kg     |
| 123-91-1          | 1,4-Dioxane                | 110     | U         | 110    | 130 | 170        | ug/Kg     |
| 58-90-2           | 2,3,4,6-Tetrachlorophenol  | 74.6    | U         | 74.6   | 130 | 170        | ug/Kg     |
| 90-12-0           | 1-Methylnaphthalene        | 83.1    | U         | 83.1   | 170 | 170        | ug/Kg     |
| <b>SURROGATES</b> |                            |         |           |        |     |            |           |
| 367-12-4          | 2-Fluorophenol             | 113.532 |           | 18-112 |     | 76         | SPK: -150 |
| 13127-88-3        | Phenol-d6                  | 105.316 |           | 15-107 |     | 70         | SPK: -150 |
| 4165-60-0         | Nitrobenzene-d5            | 72.172  |           | 18-107 |     | 72         | SPK: -100 |
| 321-60-8          | 2-Fluorobiphenyl           | 77.334  |           | 20-109 |     | 77         | SPK: -100 |

## Report of Analysis

|                    |                     |                 |                      |
|--------------------|---------------------|-----------------|----------------------|
| Client:            |                     | Date Collected: | 8/8/2024 12:00:00 AM |
| Project:           |                     | Date Received:  | 8/8/2024 12:00:00 AM |
| Client Sample ID:  | PB162574BL          | SDG No.:        | BM082224             |
| Lab Sample ID:     | PB162574BL          | Matrix:         | Solid                |
| Analytical Method: | 8270E               | % Moisture:     | 0                    |
| Sample Wt/Vol:     | 30.03      Units: g | Final Vol:      | 1000      uL         |
| Soil Aliquot Vol:  | uL                  | Test:           |                      |
| Extraction Type :  | Decanted :          | Level :         | LOW                  |
| Injection Volume : | GPC Factor :        | GPC Cleanup :   | PH :                 |

|                   |           |                      |                       |               |
|-------------------|-----------|----------------------|-----------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date            | Date Analyzed         | Prep Batch ID |
| BM047311.D        | 1         | 8/8/2024 12:00:00 AM | 8/22/2024 12:00:00 AM | PB162574      |

| CAS Number                            | Parameter                        | Conc.   | Qualifier | MDL    | LOD | LOQ / CRQL | Units     |
|---------------------------------------|----------------------------------|---------|-----------|--------|-----|------------|-----------|
| 118-79-6                              | 2,4,6-Tribromophenol             | 128.969 |           | 10-116 |     | 86         | SPK: -150 |
| 1718-51-0                             | Terphenyl-d14                    | 95.933  |           | 10-105 |     | 96         | SPK: -100 |
| <b>INTERNAL STANDARDS</b>             |                                  |         |           |        |     |            |           |
| 3855-82-1                             | 1,4-Dichlorobenzene-d4           | 250016  | 7.351     |        |     |            |           |
| 1146-65-2                             | Naphthalene-d8                   | 923225  | 10.104    |        |     |            |           |
| 15067-26-2                            | Acenaphthene-d10                 | 635900  | 14.01     |        |     |            |           |
| 1517-22-2                             | Phenanthrene-d10                 | 1445459 | 16.774    |        |     |            |           |
| 1719-03-5                             | Chrysene-d12                     | 1317264 | 21.015    |        |     |            |           |
| 1520-96-3                             | Perylene-d12                     | 1241013 | 23.709    |        |     |            |           |
| <b>TENTATIVE IDENTIFIED COMPOUNDS</b> |                                  |         |           |        |     |            |           |
| 000123-42-2                           | 2-Pentanone, 4-hydroxy-4-methyl- | 280     | A         |        |     | 4.563      |           |

## Report of Analysis

|                    |            |                 |                      |
|--------------------|------------|-----------------|----------------------|
| Client:            |            | Date Collected: | 8/8/2024 12:00:00 AM |
| Project:           |            | Date Received:  | 8/8/2024 12:00:00 AM |
| Client Sample ID:  | PB162574BS | SDG No.:        | BM082224             |
| Lab Sample ID:     | PB162574BS | Matrix:         | Solid                |
| Analytical Method: | 8270E      | % Moisture:     | 0                    |
| Sample Wt/Vol:     | 30.02      | 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 |
| BM047312.D        | 1         | 8/8/2024 12:00:00 AM | 8/22/2024 12:00:00 AM | PB162574      |

| CAS Number     | Parameter                   | Conc. | Qualifier | MDL  | LOD  | LOQ / CRQL | Units |
|----------------|-----------------------------|-------|-----------|------|------|------------|-------|
| <b>TARGETS</b> |                             |       |           |      |      |            |       |
| 62-75-9        | n-Nitrosodimethylamine      | 1400  |           | 86.7 | 270  | 330        | ug/Kg |
| 110-86-1       | Pyridine                    | 1100  |           | 79.8 | 130  | 170        | ug/Kg |
| 100-52-7       | Benzaldehyde                | 180   | U         | 180  | 270  | 330        | ug/Kg |
| 62-53-3        | Aniline                     | 1200  |           | 96.8 | 130  | 170        | ug/Kg |
| 108-95-2       | Phenol                      | 1500  |           | 82.8 | 130  | 170        | ug/Kg |
| 111-44-4       | bis(2-Chloroethyl)ether     | 1500  |           | 83.6 | 130  | 170        | ug/Kg |
| 95-57-8        | 2-Chlorophenol              | 1700  |           | 83.4 | 130  | 170        | ug/Kg |
| 95-50-1        | 1,2-Dichlorobenzene         | 1600  |           | 84.5 | 130  | 170        | ug/Kg |
| 541-73-1       | 1,3-Dichlorobenzene         | 1500  |           | 85.9 | 130  | 170        | ug/Kg |
| 106-46-7       | 1,4-Dichlorobenzene         | 1500  |           | 86.4 | 130  | 170        | ug/Kg |
| 100-51-6       | Benzyl Alcohol              | 1600  |           | 82.9 | 270  | 330        | ug/Kg |
| 95-48-7        | 2-Methylphenol              | 1600  |           | 80.5 | 130  | 170        | ug/Kg |
| 108-60-1       | 2,2-oxybis(1-Chloropropane) | 1400  |           | 90.8 | 130  | 170        | ug/Kg |
| 98-86-2        | Acetophenone                | 1400  |           | 86.8 | 130  | 170        | ug/Kg |
| 65794-96-9     | 3+4-Methylphenols           | 1500  |           | 79.7 | 270  | 330        | ug/Kg |
| 621-64-7       | n-Nitroso-di-n-propylamine  | 1400  |           | 40.3 | 79.9 | 79.9       | ug/Kg |
| 67-72-1        | Hexachloroethane            | 1500  |           | 82.9 | 130  | 170        | ug/Kg |
| 98-95-3        | Nitrobenzene                | 1500  |           | 90.7 | 130  | 170        | ug/Kg |
| 78-59-1        | Isophorone                  | 1600  |           | 84.5 | 130  | 170        | ug/Kg |
| 88-75-5        | 2-Nitrophenol               | 1700  |           | 94.4 | 130  | 170        | ug/Kg |
| 105-67-9       | 2,4-Dimethylphenol          | 1800  |           | 93.1 | 130  | 170        | ug/Kg |
| 111-91-1       | bis(2-Chloroethoxy)methane  | 1600  |           | 85.7 | 130  | 170        | ug/Kg |
| 120-83-2       | 2,4-Dichlorophenol          | 1800  |           | 75.4 | 130  | 170        | ug/Kg |
| 120-82-1       | 1,2,4-Trichlorobenzene      | 1700  |           | 85.3 | 130  | 170        | ug/Kg |
| 65-85-0        | Benzoic acid                | 1400  |           | 240  | 270  | 330        | ug/Kg |
| 91-20-3        | Naphthalene                 | 1600  |           | 82.5 | 130  | 170        | ug/Kg |
| 106-47-8       | 4-Chloroaniline             | 840   |           | 82.5 | 130  | 170        | ug/Kg |
| 87-68-3        | Hexachlorobutadiene         | 1800  |           | 83.2 | 130  | 170        | ug/Kg |

## Report of Analysis

|                    |                        |                 |                      |
|--------------------|------------------------|-----------------|----------------------|
| Client:            |                        | Date Collected: | 8/8/2024 12:00:00 AM |
| Project:           |                        | Date Received:  | 8/8/2024 12:00:00 AM |
| Client Sample ID:  | PB162574BS             | SDG No.:        | BM082224             |
| Lab Sample ID:     | PB162574BS             | Matrix:         | Solid                |
| Analytical Method: | 8270E                  | % Moisture:     | 0                    |
| Sample Wt/Vol:     | 30.02      Units:    g | Final Vol:      | 1000              uL |
| Soil Aliquot Vol:  | uL                     | Test:           |                      |
| Extraction Type :  | Decanted :             | Level :         | LOW                  |
| Injection Volume : | GPC Factor :           | GPC Cleanup :   | PH :                 |

|                   |           |                      |                       |               |
|-------------------|-----------|----------------------|-----------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date            | Date Analyzed         | Prep Batch ID |
| BM047312.D        | 1         | 8/8/2024 12:00:00 AM | 8/22/2024 12:00:00 AM | PB162574      |

| CAS Number | Parameter                                       | Conc. | Qualifier | MDL    | LOD | LOQ / CRQL | Units |
|------------|-------------------------------------------------|-------|-----------|--------|-----|------------|-------|
| 105-60-2   | Caprolactam                                     | 1500  |           | 86.7   | 270 | 330        | ug/Kg |
| 59-50-7    | 4-Chloro-3-methylphenol                         | 1600  |           | 77.4   | 130 | 170        | ug/Kg |
| 91-57-6    | 2-Methylnaphthalene                             | 1600  |           | 82.4   | 130 | 170        | ug/Kg |
| 77-47-4    | Hexachlorocyclopentadiene                       | 5300  | E         | 160    | 270 | 330        | ug/Kg |
| 88-06-2    | 2,4,6-Trichlorophenol                           | 1800  |           | 71.4   | 130 | 170        | ug/Kg |
| 95-95-4    | 2,4,5-Trichlorophenol                           | 1700  |           | 74     | 130 | 170        | ug/Kg |
| 92-52-4    | 1,1-Biphenyl                                    | 1500  |           | 87.3   | 130 | 170        | ug/Kg |
| 91-58-7    | 2-Chloronaphthalene                             | 1600  |           | 83.2   | 130 | 170        | ug/Kg |
| 88-74-4    | 2-Nitroaniline                                  | 1600  |           | 94.9   | 130 | 170        | ug/Kg |
| 131-11-3   | Dimethylphthalate                               | 1700  |           | 81.6   | 130 | 170        | ug/Kg |
| 208-96-8   | Acenaphthylene                                  | 1800  |           | 86.4   | 130 | 170        | ug/Kg |
| 606-20-2   | 2,6-Dinitrotoluene                              | 1600  |           | 83.1   | 130 | 170        | ug/Kg |
| 99-09-2    | 3-Nitroaniline                                  | 1100  |           | 89.1   | 130 | 170        | ug/Kg |
| 83-32-9    | Acenaphthene                                    | 1600  |           | 81     | 130 | 170        | ug/Kg |
| Total PAH  | Total PAH                                       | 27300 |           | 1323.5 | 130 | 2720       | ug/Kg |
| 51-28-5    | 2,4-Dinitrophenol                               | 3300  | E         | 240    | 270 | 330        | ug/Kg |
| 100-02-7   | 4-Nitrophenol                                   | 2800  | E         | 120    | 270 | 330        | ug/Kg |
| 132-64-9   | Dibenzofuran                                    | 1700  |           | 84.3   | 130 | 170        | ug/Kg |
| 25321-14-6 | 2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture) | 3200  |           | 169.2  | 130 | 340        | ug/Kg |
| 121-14-2   | 2,4-Dinitrotoluene                              | 1600  |           | 86.1   | 130 | 170        | ug/Kg |
| 84-66-2    | Diethylphthalate                                | 1600  |           | 80     | 130 | 170        | ug/Kg |
| 7005-72-3  | 4-Chlorophenyl-phenylether                      | 1700  |           | 85.5   | 130 | 170        | ug/Kg |
| 86-73-7    | Fluorene                                        | 1600  |           | 85.4   | 130 | 170        | ug/Kg |
| 100-01-6   | 4-Nitroaniline                                  | 1500  |           | 110    | 130 | 170        | ug/Kg |
| 534-52-1   | 4,6-Dinitro-2-methylphenol                      | 1900  |           | 120    | 270 | 330        | ug/Kg |
| 86-30-6    | n-Nitrosodiphenylamine                          | 1800  |           | 81.5   | 130 | 170        | ug/Kg |
| 103-33-3   | Azobenzene                                      | 1500  |           | 79.5   | 130 | 170        | ug/Kg |
| 101-55-3   | 4-Bromophenyl-phenylether                       | 1800  |           | 78.8   | 130 | 170        | ug/Kg |
| 118-74-1   | Hexachlorobenzene                               | 1800  |           | 84.9   | 130 | 170        | ug/Kg |
| 1912-24-9  | Atrazine                                        | 2000  |           | 91.3   | 130 | 170        | ug/Kg |

## Report of Analysis

|                    |            |                 |                      |
|--------------------|------------|-----------------|----------------------|
| Client:            |            | Date Collected: | 8/8/2024 12:00:00 AM |
| Project:           |            | Date Received:  | 8/8/2024 12:00:00 AM |
| Client Sample ID:  | PB162574BS | SDG No.:        | BM082224             |
| Lab Sample ID:     | PB162574BS | Matrix:         | Solid                |
| Analytical Method: | 8270E      | % Moisture:     | 0                    |
| Sample Wt/Vol:     | 30.02      | 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 |
| BM047312.D        | 1         | 8/8/2024 12:00:00 AM | 8/22/2024 12:00:00 AM | PB162574      |

| CAS Number        | Parameter                  | Conc.   | Qualifier | MDL    | LOD | LOQ / CRQL | Units     |
|-------------------|----------------------------|---------|-----------|--------|-----|------------|-----------|
| 87-86-5           | Pentachlorophenol          | 3200    | E         | 77.2   | 270 | 330        | ug/Kg     |
| 85-01-8           | Phenanthrene               | 1700    |           | 83.9   | 130 | 170        | ug/Kg     |
| 120-12-7          | Anthracene                 | 1800    |           | 84.3   | 130 | 170        | ug/Kg     |
| 86-74-8           | Carbazole                  | 1600    |           | 80.2   | 130 | 170        | ug/Kg     |
| 84-74-2           | Di-n-butylphthalate        | 1700    |           | 84.2   | 130 | 170        | ug/Kg     |
| 206-44-0          | Fluoranthene               | 1600    |           | 81.6   | 130 | 170        | ug/Kg     |
| 92-87-5           | Benzidine                  | 2400    |           | 160    | 270 | 330        | ug/Kg     |
| 129-00-0          | Pyrene                     | 1800    |           | 82.9   | 130 | 170        | ug/Kg     |
| 85-68-7           | Butylbenzylphthalate       | 1900    |           | 96.7   | 130 | 170        | ug/Kg     |
| 91-94-1           | 3,3-Dichlorobenzidine      | 1600    |           | 98.5   | 270 | 330        | ug/Kg     |
| 56-55-3           | Benzo(a)anthracene         | 1800    |           | 80.6   | 130 | 170        | ug/Kg     |
| 218-01-9          | Chrysene                   | 1700    |           | 79.4   | 130 | 170        | ug/Kg     |
| 117-81-7          | Bis(2-ethylhexyl)phthalate | 1900    |           | 90.9   | 130 | 170        | ug/Kg     |
| 117-84-0          | Di-n-octyl phthalate       | 1900    |           | 110    | 270 | 330        | ug/Kg     |
| 205-99-2          | Benzo(b)fluoranthene       | 1700    |           | 81     | 130 | 170        | ug/Kg     |
| 207-08-9          | Benzo(k)fluoranthene       | 1800    |           | 82.5   | 130 | 170        | ug/Kg     |
| 50-32-8           | Benzo(a)pyrene             | 1800    |           | 92.9   | 130 | 170        | ug/Kg     |
| 193-39-5          | Indeno(1,2,3-cd)pyrene     | 1700    |           | 78     | 130 | 170        | ug/Kg     |
| 53-70-3           | Dibenzo(a,h)anthracene     | 1700    |           | 81.1   | 130 | 170        | ug/Kg     |
| 191-24-2          | Benzo(g,h,i)perylene       | 1600    |           | 80     | 130 | 170        | ug/Kg     |
| 95-94-3           | 1,2,4,5-Tetrachlorobenzene | 1700    |           | 86.7   | 130 | 170        | ug/Kg     |
| 123-91-1          | 1,4-Dioxane                | 1100    |           | 110    | 130 | 170        | ug/Kg     |
| 58-90-2           | 2,3,4,6-Tetrachlorophenol  | 1900    |           | 74.7   | 130 | 170        | ug/Kg     |
| 90-12-0           | 1-Methylnaphthalene        | 1500    |           | 83.1   | 170 | 170        | ug/Kg     |
| <b>SURROGATES</b> |                            |         |           |        |     |            |           |
| 367-12-4          | 2-Fluorophenol             | 130.116 |           | 18-112 |     | 87         | SPK: -150 |
| 13127-88-3        | Phenol-d6                  | 120.982 |           | 15-107 |     | 81         | SPK: -150 |
| 4165-60-0         | Nitrobenzene-d5            | 82.188  |           | 18-107 |     | 82         | SPK: -100 |
| 321-60-8          | 2-Fluorobiphenyl           | 91.869  |           | 20-109 |     | 92         | SPK: -100 |

## Report of Analysis

|                    |                     |                 |                      |
|--------------------|---------------------|-----------------|----------------------|
| Client:            |                     | Date Collected: | 8/8/2024 12:00:00 AM |
| Project:           |                     | Date Received:  | 8/8/2024 12:00:00 AM |
| Client Sample ID:  | PB162574BS          | SDG No.:        | BM082224             |
| Lab Sample ID:     | PB162574BS          | Matrix:         | Solid                |
| Analytical Method: | 8270E               | % Moisture:     | 0                    |
| Sample Wt/Vol:     | 30.02      Units: g | Final Vol:      | 1000      uL         |
| Soil Aliquot Vol:  | uL                  | Test:           |                      |
| Extraction Type :  | Decanted :          | Level :         | LOW                  |
| Injection Volume : | GPC Factor :        | GPC Cleanup :   | PH :                 |

|                   |           |                      |                       |               |
|-------------------|-----------|----------------------|-----------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date            | Date Analyzed         | Prep Batch ID |
| BM047312.D        | 1         | 8/8/2024 12:00:00 AM | 8/22/2024 12:00:00 AM | PB162574      |

| CAS Number                | Parameter              | Conc.   | Qualifier | MDL    | LOD | LOQ / CRQL | Units     |
|---------------------------|------------------------|---------|-----------|--------|-----|------------|-----------|
| 118-79-6                  | 2,4,6-Tribromophenol   | 140.54  |           | 10-116 |     | 94         | SPK: -150 |
| 1718-51-0                 | Terphenyl-d14          | 120.427 | *         | 10-105 |     | 120        | SPK: -100 |
| <b>INTERNAL STANDARDS</b> |                        |         |           |        |     |            |           |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4 | 283295  | 7.351     |        |     |            |           |
| 1146-65-2                 | Naphthalene-d8         | 1058584 | 10.11     |        |     |            |           |
| 15067-26-2                | Acenaphthene-d10       | 677511  | 14.016    |        |     |            |           |
| 1517-22-2                 | Phenanthrene-d10       | 1366969 | 16.774    |        |     |            |           |
| 1719-03-5                 | Chrysene-d12           | 1043436 | 21.021    |        |     |            |           |
| 1520-96-3                 | Perylene-d12           | 1101105 | 23.709    |        |     |            |           |

## Report of Analysis

|                    |            |                 |                       |
|--------------------|------------|-----------------|-----------------------|
| Client:            |            | Date Collected: | 8/15/2024 12:00:00 AM |
| Project:           |            | Date Received:  | 8/15/2024 12:00:00 AM |
| Client Sample ID:  | PB162757BL | SDG No.:        | BM082224              |
| Lab Sample ID:     | PB162757BL | 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 |
| BM047313.D        | 1         | 8/15/2024 12:00:00 AM | 8/22/2024 12:00:00 AM | PB162757      |

| 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: | 8/15/2024 12:00:00 AM |
| Project:           |            | Date Received:  | 8/15/2024 12:00:00 AM |
| Client Sample ID:  | PB162757BL | SDG No.:        | BM082224              |
| Lab Sample ID:     | PB162757BL | 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 |
| BM047313.D        | 1         | 8/15/2024 12:00:00 AM | 8/22/2024 12:00:00 AM | PB162757      |

| 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: | 8/15/2024 12:00:00 AM |
| Project:           |                        | Date Received:  | 8/15/2024 12:00:00 AM |
| Client Sample ID:  | PB162757BL             | SDG No.:        | BM082224              |
| Lab Sample ID:     | PB162757BL             | 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 |
| BM047313.D        | 1         | 8/15/2024 12:00:00 AM | 8/22/2024 12:00:00 AM | PB162757      |

| 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             | 119.79  |           | 10-139 |     | 80         | SPK: -150 |
| 13127-88-3        | Phenol-d6                  | 110.813 |           | 10-134 |     | 74         | SPK: -150 |
| 4165-60-0         | Nitrobenzene-d5            | 75.019  |           | 49-133 |     | 75         | SPK: -100 |
| 321-60-8          | 2-Fluorobiphenyl           | 79.099  |           | 52-132 |     | 79         | SPK: -100 |

## Report of Analysis

|                    |                        |                 |                       |
|--------------------|------------------------|-----------------|-----------------------|
| Client:            |                        | Date Collected: | 8/15/2024 12:00:00 AM |
| Project:           |                        | Date Received:  | 8/15/2024 12:00:00 AM |
| Client Sample ID:  | PB162757BL             | SDG No.:        | BM082224              |
| Lab Sample ID:     | PB162757BL             | 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 |
| BM047313.D        | 1         | 8/15/2024 12:00:00 AM | 8/22/2024 12:00:00 AM | PB162757      |

| CAS Number                            | Parameter                        | Conc.   | Qualifier | MDL    | LOD | LOQ / CRQL | Units     |
|---------------------------------------|----------------------------------|---------|-----------|--------|-----|------------|-----------|
| 118-79-6                              | 2,4,6-Tribromophenol             | 131.253 |           | 44-137 |     | 88         | SPK: -150 |
| 1718-51-0                             | Terphenyl-d14                    | 96.357  |           | 48-125 |     | 96         | SPK: -100 |
| <b>INTERNAL STANDARDS</b>             |                                  |         |           |        |     |            |           |
| 3855-82-1                             | 1,4-Dichlorobenzene-d4           | 292730  | 7.351     |        |     |            |           |
| 1146-65-2                             | Naphthalene-d8                   | 1111486 | 10.104    |        |     |            |           |
| 15067-26-2                            | Acenaphthene-d10                 | 771992  | 14.01     |        |     |            |           |
| 1517-22-2                             | Phenanthrene-d10                 | 1724658 | 16.774    |        |     |            |           |
| 1719-03-5                             | Chrysene-d12                     | 1583438 | 21.015    |        |     |            |           |
| 1520-96-3                             | Perylene-d12                     | 1534865 | 23.709    |        |     |            |           |
| <b>TENTATIVE IDENTIFIED COMPOUNDS</b> |                                  |         |           |        |     |            |           |
| 000123-42-2                           | 2-Pentanone, 4-hydroxy-4-methyl- | 4.8     | A         |        |     | 4.563      |           |

## Report of Analysis

|                    |                         |                 |                       |
|--------------------|-------------------------|-----------------|-----------------------|
| Client:            |                         | Date Collected: | 8/19/2024 12:00:00 AM |
| Project:           |                         | Date Received:  | 8/19/2024 12:00:00 AM |
| Client Sample ID:  | S-912-J-SO-0.5-1-081924 | SDG No.:        | BM082224              |
| Lab Sample ID:     | P3671-14                | Matrix:         | Solid                 |
| Analytical Method: | 8270E                   | % Moisture:     | 48.5                  |
| Sample Wt/Vol:     | 30.05                   | 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 |
| BM047314.D        | 1         | 8/21/2024 12:00:00 AM | 8/22/2024 12:00:00 AM | PB162876      |

| CAS Number     | Parameter                   | Conc. | Qualifier | MDL  | LOD | LOQ / CRQL | Units |
|----------------|-----------------------------|-------|-----------|------|-----|------------|-------|
| <b>TARGETS</b> |                             |       |           |      |     |            |       |
| 62-75-9        | n-Nitrosodimethylamine      | 170   | U         | 170  | 520 | 640        | ug/Kg |
| 110-86-1       | Pyridine                    | 150   | U         | 150  | 250 | 330        | ug/Kg |
| 100-52-7       | Benzaldehyde                | 350   | U         | 350  | 520 | 640        | ug/Kg |
| 62-53-3        | Aniline                     | 190   | U         | 190  | 250 | 330        | ug/Kg |
| 108-95-2       | Phenol                      | 160   | U         | 160  | 250 | 330        | ug/Kg |
| 111-44-4       | bis(2-Chloroethyl)ether     | 160   | U         | 160  | 250 | 330        | ug/Kg |
| 95-57-8        | 2-Chlorophenol              | 160   | U         | 160  | 250 | 330        | ug/Kg |
| 95-50-1        | 1,2-Dichlorobenzene         | 160   | U         | 160  | 250 | 330        | ug/Kg |
| 541-73-1       | 1,3-Dichlorobenzene         | 170   | U         | 170  | 250 | 330        | ug/Kg |
| 106-46-7       | 1,4-Dichlorobenzene         | 170   | U         | 170  | 250 | 330        | ug/Kg |
| 100-51-6       | Benzyl Alcohol              | 160   | U         | 160  | 520 | 640        | ug/Kg |
| 95-48-7        | 2-Methylphenol              | 160   | U         | 160  | 250 | 330        | ug/Kg |
| 108-60-1       | 2,2-oxybis(1-Chloropropane) | 180   | U         | 180  | 250 | 330        | ug/Kg |
| 98-86-2        | Acetophenone                | 170   | U         | 170  | 250 | 330        | ug/Kg |
| 65794-96-9     | 3+4-Methylphenols           | 150   | U         | 150  | 520 | 640        | ug/Kg |
| 621-64-7       | n-Nitroso-di-n-propylamine  | 78.1  | U         | 78.1 | 160 | 160        | ug/Kg |
| 67-72-1        | Hexachloroethane            | 160   | U         | 160  | 250 | 330        | ug/Kg |
| 98-95-3        | Nitrobenzene                | 180   | U         | 180  | 250 | 330        | ug/Kg |
| 78-59-1        | Isophorone                  | 160   | U         | 160  | 250 | 330        | ug/Kg |
| 88-75-5        | 2-Nitrophenol               | 180   | U         | 180  | 250 | 330        | ug/Kg |
| 105-67-9       | 2,4-Dimethylphenol          | 180   | U         | 180  | 250 | 330        | ug/Kg |
| 111-91-1       | bis(2-Chloroethoxy)methane  | 170   | U         | 170  | 250 | 330        | ug/Kg |
| 120-83-2       | 2,4-Dichlorophenol          | 150   | U         | 150  | 250 | 330        | ug/Kg |
| 120-82-1       | 1,2,4-Trichlorobenzene      | 170   | U         | 170  | 250 | 330        | ug/Kg |
| 65-85-0        | Benzoic acid                | 460   | U         | 460  | 520 | 640        | ug/Kg |
| 91-20-3        | Naphthalene                 | 160   | U         | 160  | 250 | 330        | ug/Kg |
| 106-47-8       | 4-Chloroaniline             | 160   | U         | 160  | 250 | 330        | ug/Kg |
| 87-68-3        | Hexachlorobutadiene         | 160   | U         | 160  | 250 | 330        | ug/Kg |



|                    |                         |        |    |                 |                       |    |
|--------------------|-------------------------|--------|----|-----------------|-----------------------|----|
| Client:            |                         |        |    | Date Collected: | 8/19/2024 12:00:00 AM |    |
| Project:           |                         |        |    | Date Received:  | 8/19/2024 12:00:00 AM |    |
| Client Sample ID:  | S-912-J-SO-0.5-1-081924 |        |    | SDG No.:        | BM082224              |    |
| Lab Sample ID:     | P3671-14                |        |    | Matrix:         | Solid                 |    |
| Analytical Method: | 8270E                   |        |    | % Moisture:     | 48.5                  |    |
| Sample Wt/Vol:     | 30.05                   | Units: | g  | Final Vol:      | 1000                  | uL |
| Soil Aliquot Vol:  |                         |        | uL | Test:           |                       |    |
| Extraction Type :  | Decanted :              |        |    | Level :         | LOW                   |    |
| Injection Volume : | GPC Factor :            |        |    | GPC Cleanup :   | PH :                  |    |

| File ID/Qc Batch: | Dilution: | Prep Date             | Date Analyzed         | Prep Batch ID |
|-------------------|-----------|-----------------------|-----------------------|---------------|
| BM047314.D        | 1         | 8/21/2024 12:00:00 AM | 8/22/2024 12:00:00 AM | PB162876      |

| CAS Number | Parameter                                       | Conc. | Qualifier | MDL  | LOD | LOQ / CRQL | Units |
|------------|-------------------------------------------------|-------|-----------|------|-----|------------|-------|
| 105-60-2   | Caprolactam                                     | 170   | U         | 170  | 520 | 640        | ug/Kg |
| 59-50-7    | 4-Chloro-3-methylphenol                         | 150   | U         | 150  | 250 | 330        | ug/Kg |
| 91-57-6    | 2-Methylnaphthalene                             | 160   | U         | 160  | 250 | 330        | ug/Kg |
| 77-47-4    | Hexachlorocyclopentadiene                       | 300   | U         | 300  | 520 | 640        | ug/Kg |
| 88-06-2    | 2,4,6-Trichlorophenol                           | 140   | U         | 140  | 250 | 330        | ug/Kg |
| 95-95-4    | 2,4,5-Trichlorophenol                           | 140   | U         | 140  | 250 | 330        | ug/Kg |
| 92-52-4    | 1,1-Biphenyl                                    | 170   | U         | 170  | 250 | 330        | ug/Kg |
| 91-58-7    | 2-Chloronaphthalene                             | 160   | U         | 160  | 250 | 330        | ug/Kg |
| 88-74-4    | 2-Nitroaniline                                  | 180   | U         | 180  | 250 | 330        | ug/Kg |
| 131-11-3   | Dimethylphthalate                               | 160   | U         | 160  | 250 | 330        | ug/Kg |
| 208-96-8   | Acenaphthylene                                  | 170   | U         | 170  | 250 | 330        | ug/Kg |
| 606-20-2   | 2,6-Dinitrotoluene                              | 160   | U         | 160  | 250 | 330        | ug/Kg |
| 99-09-2    | 3-Nitroaniline                                  | 170   | U         | 170  | 250 | 330        | ug/Kg |
| 83-32-9    | Acenaphthene                                    | 160   | U         | 160  | 250 | 330        | ug/Kg |
| Total PAH  | Total PAH                                       | 2580  | U         | 2580 | 250 | 5280       | ug/Kg |
| 51-28-5    | 2,4-Dinitrophenol                               | 470   | U         | 470  | 520 | 640        | ug/Kg |
| 100-02-7   | 4-Nitrophenol                                   | 220   | U         | 220  | 520 | 640        | ug/Kg |
| 132-64-9   | Dibenzofuran                                    | 160   | U         | 160  | 250 | 330        | ug/Kg |
| 25321-14-6 | 2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture) | 330   | U         | 330  | 250 | 660        | ug/Kg |
| 121-14-2   | 2,4-Dinitrotoluene                              | 170   | U         | 170  | 250 | 330        | ug/Kg |
| 84-66-2    | Diethylphthalate                                | 160   | U         | 160  | 250 | 330        | ug/Kg |
| 7005-72-3  | 4-Chlorophenyl-phenylether                      | 170   | U         | 170  | 250 | 330        | ug/Kg |
| 86-73-7    | Fluorene                                        | 170   | U         | 170  | 250 | 330        | ug/Kg |
| 100-01-6   | 4-Nitroaniline                                  | 210   | U         | 210  | 250 | 330        | ug/Kg |
| 534-52-1   | 4,6-Dinitro-2-methylphenol                      | 230   | U         | 230  | 520 | 640        | ug/Kg |
| 86-30-6    | n-Nitrosodiphenylamine                          | 160   | U         | 160  | 250 | 330        | ug/Kg |
| 103-33-3   | Azobenzene                                      | 150   | U         | 150  | 250 | 330        | ug/Kg |
| 101-55-3   | 4-Bromophenyl-phenylether                       | 150   | U         | 150  | 250 | 330        | ug/Kg |
| 118-74-1   | Hexachlorobenzene                               | 160   | U         | 160  | 250 | 330        | ug/Kg |
| 1912-24-9  | Atrazine                                        | 180   | U         | 180  | 250 | 330        | ug/Kg |

## Report of Analysis

|                    |                         |                 |                       |
|--------------------|-------------------------|-----------------|-----------------------|
| Client:            |                         | Date Collected: | 8/19/2024 12:00:00 AM |
| Project:           |                         | Date Received:  | 8/19/2024 12:00:00 AM |
| Client Sample ID:  | S-912-J-SO-0.5-1-081924 | SDG No.:        | BM082224              |
| Lab Sample ID:     | P3671-14                | Matrix:         | Solid                 |
| Analytical Method: | 8270E                   | % Moisture:     | 48.5                  |
| Sample Wt/Vol:     | 30.05      Units:    g  | Final Vol:      | 1000              uL  |
| Soil Aliquot Vol:  | uL                      | Test:           |                       |
| Extraction Type :  | Decanted :              | Level :         | LOW                   |
| Injection Volume : | GPC Factor :            | GPC Cleanup :   | PH :                  |

|                   |           |                       |                       |               |
|-------------------|-----------|-----------------------|-----------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date             | Date Analyzed         | Prep Batch ID |
| BM047314.D        | 1         | 8/21/2024 12:00:00 AM | 8/22/2024 12:00:00 AM | PB162876      |

| CAS Number        | Parameter                  | Conc.  | Qualifier | MDL    | LOD | LOQ / CRQL | Units     |
|-------------------|----------------------------|--------|-----------|--------|-----|------------|-----------|
| 87-86-5           | Pentachlorophenol          | 150    | U         | 150    | 520 | 640        | ug/Kg     |
| 85-01-8           | Phenanthrene               | 160    | U         | 160    | 250 | 330        | ug/Kg     |
| 120-12-7          | Anthracene                 | 160    | U         | 160    | 250 | 330        | ug/Kg     |
| 86-74-8           | Carbazole                  | 160    | U         | 160    | 250 | 330        | ug/Kg     |
| 84-74-2           | Di-n-butylphthalate        | 160    | U         | 160    | 250 | 330        | ug/Kg     |
| 206-44-0          | Fluoranthene               | 160    | U         | 160    | 250 | 330        | ug/Kg     |
| 92-87-5           | Benzidine                  | 320    | U         | 320    | 520 | 640        | ug/Kg     |
| 129-00-0          | Pyrene                     | 160    | U         | 160    | 250 | 330        | ug/Kg     |
| 85-68-7           | Butylbenzylphthalate       | 190    | U         | 190    | 250 | 330        | ug/Kg     |
| 91-94-1           | 3,3-Dichlorobenzidine      | 190    | U         | 190    | 520 | 640        | ug/Kg     |
| 56-55-3           | Benzo(a)anthracene         | 160    | U         | 160    | 250 | 330        | ug/Kg     |
| 218-01-9          | Chrysene                   | 150    | U         | 150    | 250 | 330        | ug/Kg     |
| 117-81-7          | Bis(2-ethylhexyl)phthalate | 180    | U         | 180    | 250 | 330        | ug/Kg     |
| 117-84-0          | Di-n-octyl phthalate       | 210    | U         | 210    | 520 | 640        | ug/Kg     |
| 205-99-2          | Benzo(b)fluoranthene       | 160    | U         | 160    | 250 | 330        | ug/Kg     |
| 207-08-9          | Benzo(k)fluoranthene       | 160    | U         | 160    | 250 | 330        | ug/Kg     |
| 50-32-8           | Benzo(a)pyrene             | 180    | U         | 180    | 250 | 330        | ug/Kg     |
| 193-39-5          | Indeno(1,2,3-cd)pyrene     | 150    | U         | 150    | 250 | 330        | ug/Kg     |
| 53-70-3           | Dibenzo(a,h)anthracene     | 160    | U         | 160    | 250 | 330        | ug/Kg     |
| 191-24-2          | Benzo(g,h,i)perylene       | 160    | U         | 160    | 250 | 330        | ug/Kg     |
| 95-94-3           | 1,2,4,5-Tetrachlorobenzene | 170    | U         | 170    | 250 | 330        | ug/Kg     |
| 123-91-1          | 1,4-Dioxane                | 210    | U         | 210    | 250 | 330        | ug/Kg     |
| 58-90-2           | 2,3,4,6-Tetrachlorophenol  | 140    | U         | 140    | 250 | 330        | ug/Kg     |
| 90-12-0           | 1-Methylnaphthalene        | 160    | U         | 160    | 330 | 330        | ug/Kg     |
| <b>SURROGATES</b> |                            |        |           |        |     |            |           |
| 367-12-4          | 2-Fluorophenol             | 69.348 |           | 18-112 |     | 46         | SPK: -150 |
| 13127-88-3        | Phenol-d6                  | 65.329 |           | 15-107 |     | 44         | SPK: -150 |
| 4165-60-0         | Nitrobenzene-d5            | 44.927 |           | 18-107 |     | 45         | SPK: -100 |
| 321-60-8          | 2-Fluorobiphenyl           | 37.045 |           | 20-109 |     | 37         | SPK: -100 |

## Report of Analysis

|                    |                         |                 |                       |
|--------------------|-------------------------|-----------------|-----------------------|
| Client:            |                         | Date Collected: | 8/19/2024 12:00:00 AM |
| Project:           |                         | Date Received:  | 8/19/2024 12:00:00 AM |
| Client Sample ID:  | S-912-J-SO-0.5-1-081924 | SDG No.:        | BM082224              |
| Lab Sample ID:     | P3671-14                | Matrix:         | Solid                 |
| Analytical Method: | 8270E                   | % Moisture:     | 48.5                  |
| Sample Wt/Vol:     | 30.05                   | 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 |
| BM047314.D        | 1         | 8/21/2024 12:00:00 AM | 8/22/2024 12:00:00 AM | PB162876      |

| CAS Number                            | Parameter                        | Conc.   | Qualifier | MDL    | LOD | LOQ / CRQL | Units     |
|---------------------------------------|----------------------------------|---------|-----------|--------|-----|------------|-----------|
| 118-79-6                              | 2,4,6-Tribromophenol             | 68.653  |           | 10-116 |     | 46         | SPK: -150 |
| 1718-51-0                             | Terphenyl-d14                    | 34.749  |           | 10-105 |     | 35         | SPK: -100 |
| <b>INTERNAL STANDARDS</b>             |                                  |         |           |        |     |            |           |
| 3855-82-1                             | 1,4-Dichlorobenzene-d4           | 251683  | 7.351     |        |     |            |           |
| 1146-65-2                             | Naphthalene-d8                   | 951089  | 10.104    |        |     |            |           |
| 15067-26-2                            | Acenaphthene-d10                 | 635439  | 14.01     |        |     |            |           |
| 1517-22-2                             | Phenanthrene-d10                 | 1371332 | 16.774    |        |     |            |           |
| 1719-03-5                             | Chrysene-d12                     | 1283725 | 21.015    |        |     |            |           |
| 1520-96-3                             | Perylene-d12                     | 1313198 | 23.709    |        |     |            |           |
| <b>TENTATIVE IDENTIFIED COMPOUNDS</b> |                                  |         |           |        |     |            |           |
| 004254-14-2                           | R-(-)-1,2-propanediol            | 160     | J         |        |     | 3.258      |           |
| 000123-42-2                           | 2-Pentanone, 4-hydroxy-4-methyl- | 200     | A         |        |     | 4.563      |           |
| 000470-82-6                           | Eucalyptol                       | 290     | J         |        |     | 7.651      |           |
| 000770-35-4                           | 1-Phenoxypropan-2-ol             | 160     | J         |        |     | 10.875     |           |
| 000057-10-3                           | n-Hexadecanoic acid              | 250     | J         |        |     | 17.71      |           |
| 015594-90-8                           | 1-Heneicosanol                   | 360     | J         |        |     | 20.756     |           |
| 001454-84-8                           | n-Nonadecanol-1                  | 240     | J         |        |     | 21.774     |           |

## Report of Analysis

|                    |                          |                 |                       |
|--------------------|--------------------------|-----------------|-----------------------|
| Client:            |                          | Date Collected: | 8/19/2024 12:00:00 AM |
| Project:           |                          | Date Received:  | 8/19/2024 12:00:00 AM |
| Client Sample ID:  | S-928-K1-SO-0-0.5-081924 | SDG No.:        | BM082224              |
| Lab Sample ID:     | P3671-09                 | Matrix:         | Solid                 |
| Analytical Method: | 8270E                    | % Moisture:     | 52                    |
| Sample Wt/Vol:     | 30.04                    | 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 |
| BM047315.D        | 1         | 8/21/2024 12:00:00 AM | 8/22/2024 12:00:00 AM | PB162876      |

| CAS Number     | Parameter                   | Conc. | Qualifier | MDL  | LOD | LOQ / CRQL | Units |
|----------------|-----------------------------|-------|-----------|------|-----|------------|-------|
| <b>TARGETS</b> |                             |       |           |      |     |            |       |
| 62-75-9        | n-Nitrosodimethylamine      | 180   | U         | 180  | 560 | 690        | ug/Kg |
| 110-86-1       | Pyridine                    | 170   | U         | 170  | 270 | 350        | ug/Kg |
| 100-52-7       | Benzaldehyde                | 380   | U         | 380  | 560 | 690        | ug/Kg |
| 62-53-3        | Aniline                     | 200   | U         | 200  | 270 | 350        | ug/Kg |
| 108-95-2       | Phenol                      | 170   | U         | 170  | 270 | 350        | ug/Kg |
| 111-44-4       | bis(2-Chloroethyl)ether     | 170   | U         | 170  | 270 | 350        | ug/Kg |
| 95-57-8        | 2-Chlorophenol              | 170   | U         | 170  | 270 | 350        | ug/Kg |
| 95-50-1        | 1,2-Dichlorobenzene         | 180   | U         | 180  | 270 | 350        | ug/Kg |
| 541-73-1       | 1,3-Dichlorobenzene         | 180   | U         | 180  | 270 | 350        | ug/Kg |
| 106-46-7       | 1,4-Dichlorobenzene         | 180   | U         | 180  | 270 | 350        | ug/Kg |
| 100-51-6       | Benzyl Alcohol              | 170   | U         | 170  | 560 | 690        | ug/Kg |
| 95-48-7        | 2-Methylphenol              | 170   | U         | 170  | 270 | 350        | ug/Kg |
| 108-60-1       | 2,2-oxybis(1-Chloropropane) | 190   | U         | 190  | 270 | 350        | ug/Kg |
| 98-86-2        | Acetophenone                | 180   | U         | 180  | 270 | 350        | ug/Kg |
| 65794-96-9     | 3+4-Methylphenols           | 170   | U         | 170  | 560 | 690        | ug/Kg |
| 621-64-7       | n-Nitroso-di-n-propylamine  | 83.8  | U         | 83.8 | 170 | 170        | ug/Kg |
| 67-72-1        | Hexachloroethane            | 170   | U         | 170  | 270 | 350        | ug/Kg |
| 98-95-3        | Nitrobenzene                | 190   | U         | 190  | 270 | 350        | ug/Kg |
| 78-59-1        | Isophorone                  | 180   | U         | 180  | 270 | 350        | ug/Kg |
| 88-75-5        | 2-Nitrophenol               | 200   | U         | 200  | 270 | 350        | ug/Kg |
| 105-67-9       | 2,4-Dimethylphenol          | 190   | U         | 190  | 270 | 350        | ug/Kg |
| 111-91-1       | bis(2-Chloroethoxy)methane  | 180   | U         | 180  | 270 | 350        | ug/Kg |
| 120-83-2       | 2,4-Dichlorophenol          | 160   | U         | 160  | 270 | 350        | ug/Kg |
| 120-82-1       | 1,2,4-Trichlorobenzene      | 180   | U         | 180  | 270 | 350        | ug/Kg |
| 65-85-0        | Benzoic acid                | 490   | U         | 490  | 560 | 690        | ug/Kg |
| 91-20-3        | Naphthalene                 | 170   | U         | 170  | 270 | 350        | ug/Kg |
| 106-47-8       | 4-Chloroaniline             | 170   | U         | 170  | 270 | 350        | ug/Kg |
| 87-68-3        | Hexachlorobutadiene         | 170   | U         | 170  | 270 | 350        | ug/Kg |

## Report of Analysis

|                    |                          |                 |                       |
|--------------------|--------------------------|-----------------|-----------------------|
| Client:            |                          | Date Collected: | 8/19/2024 12:00:00 AM |
| Project:           |                          | Date Received:  | 8/19/2024 12:00:00 AM |
| Client Sample ID:  | S-928-K1-SO-0-0.5-081924 | SDG No.:        | BM082224              |
| Lab Sample ID:     | P3671-09                 | Matrix:         | Solid                 |
| Analytical Method: | 8270E                    | % Moisture:     | 52                    |
| Sample Wt/Vol:     | 30.04      Units:    g   | Final Vol:      | 1000              uL  |
| Soil Aliquot Vol:  | uL                       | Test:           |                       |
| Extraction Type :  | Decanted :               | Level :         | LOW                   |
| Injection Volume : | GPC Factor :             | GPC Cleanup :   | PH :                  |

|                   |           |                       |                       |               |
|-------------------|-----------|-----------------------|-----------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date             | Date Analyzed         | Prep Batch ID |
| BM047315.D        | 1         | 8/21/2024 12:00:00 AM | 8/22/2024 12:00:00 AM | PB162876      |

| CAS Number | Parameter                                       | Conc. | Qualifier | MDL  | LOD | LOQ / CRQL | Units |
|------------|-------------------------------------------------|-------|-----------|------|-----|------------|-------|
| 105-60-2   | Caprolactam                                     | 180   | U         | 180  | 560 | 690        | ug/Kg |
| 59-50-7    | 4-Chloro-3-methylphenol                         | 160   | U         | 160  | 270 | 350        | ug/Kg |
| 91-57-6    | 2-Methylnaphthalene                             | 170   | U         | 170  | 270 | 350        | ug/Kg |
| 77-47-4    | Hexachlorocyclopentadiene                       | 320   | U         | 320  | 560 | 690        | ug/Kg |
| 88-06-2    | 2,4,6-Trichlorophenol                           | 150   | U         | 150  | 270 | 350        | ug/Kg |
| 95-95-4    | 2,4,5-Trichlorophenol                           | 150   | U         | 150  | 270 | 350        | ug/Kg |
| 92-52-4    | 1,1-Biphenyl                                    | 180   | U         | 180  | 270 | 350        | ug/Kg |
| 91-58-7    | 2-Chloronaphthalene                             | 170   | U         | 170  | 270 | 350        | ug/Kg |
| 88-74-4    | 2-Nitroaniline                                  | 200   | U         | 200  | 270 | 350        | ug/Kg |
| 131-11-3   | Dimethylphthalate                               | 170   | U         | 170  | 270 | 350        | ug/Kg |
| 208-96-8   | Acenaphthylene                                  | 180   | U         | 180  | 270 | 350        | ug/Kg |
| 606-20-2   | 2,6-Dinitrotoluene                              | 170   | U         | 170  | 270 | 350        | ug/Kg |
| 99-09-2    | 3-Nitroaniline                                  | 190   | U         | 190  | 270 | 350        | ug/Kg |
| 83-32-9    | Acenaphthene                                    | 170   | U         | 170  | 270 | 350        | ug/Kg |
| Total PAH  | Total PAH                                       | 2760  | U         | 2760 | 270 | 5600       | ug/Kg |
| 51-28-5    | 2,4-Dinitrophenol                               | 510   | U         | 510  | 560 | 690        | ug/Kg |
| 100-02-7   | 4-Nitrophenol                                   | 240   | U         | 240  | 560 | 690        | ug/Kg |
| 132-64-9   | Dibenzofuran                                    | 180   | U         | 180  | 270 | 350        | ug/Kg |
| 121-14-2   | 2,4-Dinitrotoluene                              | 180   | U         | 180  | 270 | 350        | ug/Kg |
| 25321-14-6 | 2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture) | 350   | U         | 350  | 270 | 700        | ug/Kg |
| 84-66-2    | Diethylphthalate                                | 170   | U         | 170  | 270 | 350        | ug/Kg |
| 7005-72-3  | 4-Chlorophenyl-phenylether                      | 180   | U         | 180  | 270 | 350        | ug/Kg |
| 86-73-7    | Fluorene                                        | 180   | U         | 180  | 270 | 350        | ug/Kg |
| 100-01-6   | 4-Nitroaniline                                  | 220   | U         | 220  | 270 | 350        | ug/Kg |
| 534-52-1   | 4,6-Dinitro-2-methylphenol                      | 240   | U         | 240  | 560 | 690        | ug/Kg |
| 86-30-6    | n-Nitrosodiphenylamine                          | 170   | U         | 170  | 270 | 350        | ug/Kg |
| 103-33-3   | Azobenzene                                      | 170   | U         | 170  | 270 | 350        | ug/Kg |
| 101-55-3   | 4-Bromophenyl-phenylether                       | 160   | U         | 160  | 270 | 350        | ug/Kg |
| 118-74-1   | Hexachlorobenzene                               | 180   | U         | 180  | 270 | 350        | ug/Kg |
| 1912-24-9  | Atrazine                                        | 190   | U         | 190  | 270 | 350        | ug/Kg |

## Report of Analysis

|                    |                          |                 |                       |
|--------------------|--------------------------|-----------------|-----------------------|
| Client:            |                          | Date Collected: | 8/19/2024 12:00:00 AM |
| Project:           |                          | Date Received:  | 8/19/2024 12:00:00 AM |
| Client Sample ID:  | S-928-K1-SO-0-0.5-081924 | SDG No.:        | BM082224              |
| Lab Sample ID:     | P3671-09                 | Matrix:         | Solid                 |
| Analytical Method: | 8270E                    | % Moisture:     | 52                    |
| Sample Wt/Vol:     | 30.04      Units:    g   | Final Vol:      | 1000              uL  |
| Soil Aliquot Vol:  | uL                       | Test:           |                       |
| Extraction Type :  | Decanted :               | Level :         | LOW                   |
| Injection Volume : | GPC Factor :             | GPC Cleanup :   | PH :                  |

|                   |           |                       |                       |               |
|-------------------|-----------|-----------------------|-----------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date             | Date Analyzed         | Prep Batch ID |
| BM047315.D        | 1         | 8/21/2024 12:00:00 AM | 8/22/2024 12:00:00 AM | PB162876      |

| CAS Number        | Parameter                  | Conc.  | Qualifier | MDL    | LOD | LOQ / CRQL | Units     |
|-------------------|----------------------------|--------|-----------|--------|-----|------------|-----------|
| 87-86-5           | Pentachlorophenol          | 160    | U         | 160    | 560 | 690        | ug/Kg     |
| 85-01-8           | Phenanthrene               | 170    | U         | 170    | 270 | 350        | ug/Kg     |
| 120-12-7          | Anthracene                 | 180    | U         | 180    | 270 | 350        | ug/Kg     |
| 86-74-8           | Carbazole                  | 170    | U         | 170    | 270 | 350        | ug/Kg     |
| 84-74-2           | Di-n-butylphthalate        | 180    | U         | 180    | 270 | 350        | ug/Kg     |
| 206-44-0          | Fluoranthene               | 170    | U         | 170    | 270 | 350        | ug/Kg     |
| 92-87-5           | Benzidine                  | 340    | U         | 340    | 560 | 690        | ug/Kg     |
| 129-00-0          | Pyrene                     | 170    | U         | 170    | 270 | 350        | ug/Kg     |
| 85-68-7           | Butylbenzylphthalate       | 200    | U         | 200    | 270 | 350        | ug/Kg     |
| 91-94-1           | 3,3-Dichlorobenzidine      | 210    | U         | 210    | 560 | 690        | ug/Kg     |
| 56-55-3           | Benzo(a)anthracene         | 170    | U         | 170    | 270 | 350        | ug/Kg     |
| 218-01-9          | Chrysene                   | 170    | U         | 170    | 270 | 350        | ug/Kg     |
| 117-81-7          | Bis(2-ethylhexyl)phthalate | 190    | U         | 190    | 270 | 350        | ug/Kg     |
| 117-84-0          | Di-n-octyl phthalate       | 230    | U         | 230    | 560 | 690        | ug/Kg     |
| 205-99-2          | Benzo(b)fluoranthene       | 170    | U         | 170    | 270 | 350        | ug/Kg     |
| 207-08-9          | Benzo(k)fluoranthene       | 170    | U         | 170    | 270 | 350        | ug/Kg     |
| 50-32-8           | Benzo(a)pyrene             | 190    | U         | 190    | 270 | 350        | ug/Kg     |
| 193-39-5          | Indeno(1,2,3-cd)pyrene     | 160    | U         | 160    | 270 | 350        | ug/Kg     |
| 53-70-3           | Dibenzo(a,h)anthracene     | 170    | U         | 170    | 270 | 350        | ug/Kg     |
| 191-24-2          | Benzo(g,h,i)perylene       | 170    | U         | 170    | 270 | 350        | ug/Kg     |
| 95-94-3           | 1,2,4,5-Tetrachlorobenzene | 180    | U         | 180    | 270 | 350        | ug/Kg     |
| 123-91-1          | 1,4-Dioxane                | 230    | U         | 230    | 270 | 350        | ug/Kg     |
| 58-90-2           | 2,3,4,6-Tetrachlorophenol  | 160    | U         | 160    | 270 | 350        | ug/Kg     |
| 90-12-0           | 1-Methylnaphthalene        | 170    | U         | 170    | 350 | 350        | ug/Kg     |
| <b>SURROGATES</b> |                            |        |           |        |     |            |           |
| 367-12-4          | 2-Fluorophenol             | 61.808 |           | 18-112 |     | 41         | SPK: -150 |
| 13127-88-3        | Phenol-d6                  | 59.984 |           | 15-107 |     | 40         | SPK: -150 |
| 4165-60-0         | Nitrobenzene-d5            | 42.128 |           | 18-107 |     | 42         | SPK: -100 |
| 321-60-8          | 2-Fluorobiphenyl           | 31.387 |           | 20-109 |     | 31         | SPK: -100 |

## Report of Analysis

|                    |                          |                 |                       |
|--------------------|--------------------------|-----------------|-----------------------|
| Client:            |                          | Date Collected: | 8/19/2024 12:00:00 AM |
| Project:           |                          | Date Received:  | 8/19/2024 12:00:00 AM |
| Client Sample ID:  | S-928-K1-SO-0-0.5-081924 | SDG No.:        | BM082224              |
| Lab Sample ID:     | P3671-09                 | Matrix:         | Solid                 |
| Analytical Method: | 8270E                    | % Moisture:     | 52                    |
| Sample Wt/Vol:     | 30.04      Units:    g   | Final Vol:      | 1000              uL  |
| Soil Aliquot Vol:  | uL                       | Test:           |                       |
| Extraction Type :  | Decanted :               | Level :         | LOW                   |
| Injection Volume : | GPC Factor :             | GPC Cleanup :   | PH :                  |

|                   |           |                       |                       |               |
|-------------------|-----------|-----------------------|-----------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date             | Date Analyzed         | Prep Batch ID |
| BM047315.D        | 1         | 8/21/2024 12:00:00 AM | 8/22/2024 12:00:00 AM | PB162876      |

| CAS Number                            | Parameter                          | Conc.   | Qualifier | MDL    | LOD | LOQ / CRQL | Units     |
|---------------------------------------|------------------------------------|---------|-----------|--------|-----|------------|-----------|
| 118-79-6                              | 2,4,6-Tribromophenol               | 59.6    |           | 10-116 |     | 40         | SPK: -150 |
| 1718-51-0                             | Terphenyl-d14                      | 33.27   |           | 10-105 |     | 33         | SPK: -100 |
| <b>INTERNAL STANDARDS</b>             |                                    |         |           |        |     |            |           |
| 3855-82-1                             | 1,4-Dichlorobenzene-d4             | 278437  | 7.351     |        |     |            |           |
| 1146-65-2                             | Naphthalene-d8                     | 1046347 | 10.104    |        |     |            |           |
| 15067-26-2                            | Acenaphthene-d10                   | 702300  | 14.01     |        |     |            |           |
| 1517-22-2                             | Phenanthrene-d10                   | 1490855 | 16.774    |        |     |            |           |
| 1719-03-5                             | Chrysene-d12                       | 1318134 | 21.015    |        |     |            |           |
| 1520-96-3                             | Perylene-d12                       | 1285509 | 23.709    |        |     |            |           |
| <b>TENTATIVE IDENTIFIED COMPOUNDS</b> |                                    |         |           |        |     |            |           |
| 000057-55-6                           | Propylene Glycol                   | 160     | J         |        |     | 3.257      |           |
| 000123-42-2                           | 2-Pentanone, 4-hydroxy-4-methyl-   | 200     | A         |        |     | 4.563      |           |
| 000470-82-6                           | Eucalyptol                         | 410     | J         |        |     | 7.651      |           |
| 002649-64-1                           | (3S,3aS,6R,7R,9aS)-1,1,7-Trimethyl | 150     | J         |        |     | 17.545     |           |
|                                       | unknown17.680                      | 200     | J         |        |     | 17.68      |           |
| 000057-10-3                           | n-Hexadecanoic acid                | 190     | J         |        |     | 17.709     |           |
| 000080-05-7                           | Phenol, 4,4-(1-methylethylidene)b  | 290     | J         |        |     | 19.268     |           |
| 015594-90-8                           | 1-Heneicosanol                     | 420     | J         |        |     | 20.756     |           |
| 000295-48-7                           | Cyclopentadecane                   | 390     | J         |        |     | 21.768     |           |

## Report of Analysis

|                    |                         |                 |                       |
|--------------------|-------------------------|-----------------|-----------------------|
| Client:            |                         | Date Collected: | 8/19/2024 12:00:00 AM |
| Project:           |                         | Date Received:  | 8/19/2024 12:00:00 AM |
| Client Sample ID:  | S-912-J-SO-0-0.5-081924 | SDG No.:        | BM082224              |
| Lab Sample ID:     | P3671-13                | Matrix:         | Solid                 |
| Analytical Method: | 8270E                   | % Moisture:     | 69.4                  |
| Sample Wt/Vol:     | 30.09                   | 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 |
| BM047316.D        | 1         | 8/21/2024 12:00:00 AM | 8/22/2024 12:00:00 AM | PB162876      |

| CAS Number     | Parameter                   | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|----------------|-----------------------------|-------|-----------|-----|-----|------------|-------|
| <b>TARGETS</b> |                             |       |           |     |     |            |       |
| 62-75-9        | n-Nitrosodimethylamine      | 280   | U         | 280 | 880 | 1100       | ug/Kg |
| 110-86-1       | Pyridine                    | 260   | U         | 260 | 420 | 550        | ug/Kg |
| 100-52-7       | Benzaldehyde                | 590   | U         | 590 | 880 | 1100       | ug/Kg |
| 62-53-3        | Aniline                     | 320   | U         | 320 | 420 | 550        | ug/Kg |
| 108-95-2       | Phenol                      | 270   | U         | 270 | 420 | 550        | ug/Kg |
| 111-44-4       | bis(2-Chloroethyl)ether     | 270   | U         | 270 | 420 | 550        | ug/Kg |
| 95-57-8        | 2-Chlorophenol              | 270   | U         | 270 | 420 | 550        | ug/Kg |
| 95-50-1        | 1,2-Dichlorobenzene         | 280   | U         | 280 | 420 | 550        | ug/Kg |
| 541-73-1       | 1,3-Dichlorobenzene         | 280   | U         | 280 | 420 | 550        | ug/Kg |
| 106-46-7       | 1,4-Dichlorobenzene         | 280   | U         | 280 | 420 | 550        | ug/Kg |
| 100-51-6       | Benzyl Alcohol              | 270   | U         | 270 | 880 | 1100       | ug/Kg |
| 95-48-7        | 2-Methylphenol              | 260   | U         | 260 | 420 | 550        | ug/Kg |
| 108-60-1       | 2,2-oxybis(1-Chloropropane) | 300   | U         | 300 | 420 | 550        | ug/Kg |
| 98-86-2        | Acetophenone                | 280   | U         | 280 | 420 | 550        | ug/Kg |
| 65794-96-9     | 3+4-Methylphenols           | 260   | U         | 260 | 880 | 1100       | ug/Kg |
| 621-64-7       | n-Nitroso-di-n-propylamine  | 130   | U         | 130 | 260 | 260        | ug/Kg |
| 67-72-1        | Hexachloroethane            | 270   | U         | 270 | 420 | 550        | ug/Kg |
| 98-95-3        | Nitrobenzene                | 300   | U         | 300 | 420 | 550        | ug/Kg |
| 78-59-1        | Isophorone                  | 280   | U         | 280 | 420 | 550        | ug/Kg |
| 88-75-5        | 2-Nitrophenol               | 310   | U         | 310 | 420 | 550        | ug/Kg |
| 105-67-9       | 2,4-Dimethylphenol          | 300   | U         | 300 | 420 | 550        | ug/Kg |
| 111-91-1       | bis(2-Chloroethoxy)methane  | 280   | U         | 280 | 420 | 550        | ug/Kg |
| 120-83-2       | 2,4-Dichlorophenol          | 250   | U         | 250 | 420 | 550        | ug/Kg |
| 120-82-1       | 1,2,4-Trichlorobenzene      | 280   | U         | 280 | 420 | 550        | ug/Kg |
| 65-85-0        | Benzoic acid                | 770   | U         | 770 | 880 | 1100       | ug/Kg |
| 91-20-3        | Naphthalene                 | 270   | U         | 270 | 420 | 550        | ug/Kg |
| 106-47-8       | 4-Chloroaniline             | 270   | U         | 270 | 420 | 550        | ug/Kg |
| 87-68-3        | Hexachlorobutadiene         | 270   | U         | 270 | 420 | 550        | ug/Kg |

## Report of Analysis

|                    |                         |                 |                       |
|--------------------|-------------------------|-----------------|-----------------------|
| Client:            |                         | Date Collected: | 8/19/2024 12:00:00 AM |
| Project:           |                         | Date Received:  | 8/19/2024 12:00:00 AM |
| Client Sample ID:  | S-912-J-SO-0-0.5-081924 | SDG No.:        | BM082224              |
| Lab Sample ID:     | P3671-13                | Matrix:         | Solid                 |
| Analytical Method: | 8270E                   | % Moisture:     | 69.4                  |
| Sample Wt/Vol:     | 30.09                   | 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 |
| BM047316.D        | 1         | 8/21/2024 12:00:00 AM | 8/22/2024 12:00:00 AM | PB162876      |

| CAS Number | Parameter                                       | Conc. | Qualifier | MDL  | LOD | LOQ / CRQL | Units |
|------------|-------------------------------------------------|-------|-----------|------|-----|------------|-------|
| 105-60-2   | Caprolactam                                     | 280   | U         | 280  | 880 | 1100       | ug/Kg |
| 59-50-7    | 4-Chloro-3-methylphenol                         | 250   | U         | 250  | 420 | 550        | ug/Kg |
| 91-57-6    | 2-Methylnaphthalene                             | 270   | U         | 270  | 420 | 550        | ug/Kg |
| 77-47-4    | Hexachlorocyclopentadiene                       | 510   | U         | 510  | 880 | 1100       | ug/Kg |
| 88-06-2    | 2,4,6-Trichlorophenol                           | 230   | U         | 230  | 420 | 550        | ug/Kg |
| 95-95-4    | 2,4,5-Trichlorophenol                           | 240   | U         | 240  | 420 | 550        | ug/Kg |
| 92-52-4    | 1,1-Biphenyl                                    | 280   | U         | 280  | 420 | 550        | ug/Kg |
| 91-58-7    | 2-Chloronaphthalene                             | 270   | U         | 270  | 420 | 550        | ug/Kg |
| 88-74-4    | 2-Nitroaniline                                  | 310   | U         | 310  | 420 | 550        | ug/Kg |
| 131-11-3   | Dimethylphthalate                               | 270   | U         | 270  | 420 | 550        | ug/Kg |
| 208-96-8   | Acenaphthylene                                  | 280   | U         | 280  | 420 | 550        | ug/Kg |
| 606-20-2   | 2,6-Dinitrotoluene                              | 270   | U         | 270  | 420 | 550        | ug/Kg |
| 99-09-2    | 3-Nitroaniline                                  | 290   | U         | 290  | 420 | 550        | ug/Kg |
| 83-32-9    | Acenaphthene                                    | 260   | U         | 260  | 420 | 550        | ug/Kg |
| Total PAH  | Total PAH                                       | 4290  | U         | 4290 | 420 | 8800       | ug/Kg |
| 51-28-5    | 2,4-Dinitrophenol                               | 790   | U         | 790  | 880 | 1100       | ug/Kg |
| 100-02-7   | 4-Nitrophenol                                   | 380   | U         | 380  | 880 | 1100       | ug/Kg |
| 132-64-9   | Dibenzofuran                                    | 270   | U         | 270  | 420 | 550        | ug/Kg |
| 25321-14-6 | 2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture) | 550   | U         | 550  | 420 | 1100       | ug/Kg |
| 121-14-2   | 2,4-Dinitrotoluene                              | 280   | U         | 280  | 420 | 550        | ug/Kg |
| 84-66-2    | Diethylphthalate                                | 260   | U         | 260  | 420 | 550        | ug/Kg |
| 7005-72-3  | 4-Chlorophenyl-phenylether                      | 280   | U         | 280  | 420 | 550        | ug/Kg |
| 86-73-7    | Fluorene                                        | 280   | U         | 280  | 420 | 550        | ug/Kg |
| 100-01-6   | 4-Nitroaniline                                  | 350   | U         | 350  | 420 | 550        | ug/Kg |
| 534-52-1   | 4,6-Dinitro-2-methylphenol                      | 380   | U         | 380  | 880 | 1100       | ug/Kg |
| 86-30-6    | n-Nitrosodiphenylamine                          | 270   | U         | 270  | 420 | 550        | ug/Kg |
| 103-33-3   | Azobenzene                                      | 260   | U         | 260  | 420 | 550        | ug/Kg |
| 101-55-3   | 4-Bromophenyl-phenylether                       | 260   | U         | 260  | 420 | 550        | ug/Kg |
| 118-74-1   | Hexachlorobenzene                               | 280   | U         | 280  | 420 | 550        | ug/Kg |
| 1912-24-9  | Atrazine                                        | 300   | U         | 300  | 420 | 550        | ug/Kg |



|                    |                         |        |    |                 |                       |    |
|--------------------|-------------------------|--------|----|-----------------|-----------------------|----|
| Client:            |                         |        |    | Date Collected: | 8/19/2024 12:00:00 AM |    |
| Project:           |                         |        |    | Date Received:  | 8/19/2024 12:00:00 AM |    |
| Client Sample ID:  | S-912-J-SO-0-0.5-081924 |        |    | SDG No.:        | BM082224              |    |
| Lab Sample ID:     | P3671-13                |        |    | Matrix:         | Solid                 |    |
| Analytical Method: | 8270E                   |        |    | % Moisture:     | 69.4                  |    |
| Sample Wt/Vol:     | 30.09                   | Units: | g  | Final Vol:      | 1000                  | uL |
| Soil Aliquot Vol:  |                         |        | uL | Test:           |                       |    |
| Extraction Type :  | Decanted :              |        |    | Level :         | LOW                   |    |
| Injection Volume : | GPC Factor :            |        |    | GPC Cleanup :   | PH :                  |    |

| File ID/Qc Batch: | Dilution: | Prep Date             | Date Analyzed         | Prep Batch ID |
|-------------------|-----------|-----------------------|-----------------------|---------------|
| BM047316.D        | 1         | 8/21/2024 12:00:00 AM | 8/22/2024 12:00:00 AM | PB162876      |

| CAS Number        | Parameter                  | Conc.  | Qualifier | MDL    | LOD | LOQ / CRQL | Units     |
|-------------------|----------------------------|--------|-----------|--------|-----|------------|-----------|
| 87-86-5           | Pentachlorophenol          | 250    | U         | 250    | 880 | 1100       | ug/Kg     |
| 85-01-8           | Phenanthrene               | 270    | U         | 270    | 420 | 550        | ug/Kg     |
| 120-12-7          | Anthracene                 | 270    | U         | 270    | 420 | 550        | ug/Kg     |
| 86-74-8           | Carbazole                  | 260    | U         | 260    | 420 | 550        | ug/Kg     |
| 84-74-2           | Di-n-butylphthalate        | 270    | U         | 270    | 420 | 550        | ug/Kg     |
| 206-44-0          | Fluoranthene               | 270    | U         | 270    | 420 | 550        | ug/Kg     |
| 92-87-5           | Benzidine                  | 530    | U         | 530    | 880 | 1100       | ug/Kg     |
| 129-00-0          | Pyrene                     | 270    | U         | 270    | 420 | 550        | ug/Kg     |
| 85-68-7           | Butylbenzylphthalate       | 320    | U         | 320    | 420 | 550        | ug/Kg     |
| 91-94-1           | 3,3-Dichlorobenzidine      | 320    | U         | 320    | 880 | 1100       | ug/Kg     |
| 56-55-3           | Benzo(a)anthracene         | 260    | U         | 260    | 420 | 550        | ug/Kg     |
| 218-01-9          | Chrysene                   | 260    | U         | 260    | 420 | 550        | ug/Kg     |
| 117-81-7          | Bis(2-ethylhexyl)phthalate | 300    | U         | 300    | 420 | 550        | ug/Kg     |
| 117-84-0          | Di-n-octyl phthalate       | 360    | U         | 360    | 880 | 1100       | ug/Kg     |
| 205-99-2          | Benzo(b)fluoranthene       | 260    | U         | 260    | 420 | 550        | ug/Kg     |
| 207-08-9          | Benzo(k)fluoranthene       | 270    | U         | 270    | 420 | 550        | ug/Kg     |
| 50-32-8           | Benzo(a)pyrene             | 300    | U         | 300    | 420 | 550        | ug/Kg     |
| 193-39-5          | Indeno(1,2,3-cd)pyrene     | 250    | U         | 250    | 420 | 550        | ug/Kg     |
| 53-70-3           | Dibenzo(a,h)anthracene     | 260    | U         | 260    | 420 | 550        | ug/Kg     |
| 191-24-2          | Benzo(g,h,i)perylene       | 260    | U         | 260    | 420 | 550        | ug/Kg     |
| 95-94-3           | 1,2,4,5-Tetrachlorobenzene | 280    | U         | 280    | 420 | 550        | ug/Kg     |
| 123-91-1          | 1,4-Dioxane                | 360    | U         | 360    | 420 | 550        | ug/Kg     |
| 58-90-2           | 2,3,4,6-Tetrachlorophenol  | 240    | U         | 240    | 420 | 550        | ug/Kg     |
| 90-12-0           | 1-Methylnaphthalene        | 270    | U         | 270    | 550 | 550        | ug/Kg     |
| <b>SURROGATES</b> |                            |        |           |        |     |            |           |
| 367-12-4          | 2-Fluorophenol             | 77.825 |           | 18-112 |     | 52         | SPK: -150 |
| 13127-88-3        | Phenol-d6                  | 74.99  |           | 15-107 |     | 50         | SPK: -150 |
| 4165-60-0         | Nitrobenzene-d5            | 51.401 |           | 18-107 |     | 51         | SPK: -100 |
| 321-60-8          | 2-Fluorobiphenyl           | 36.822 |           | 20-109 |     | 37         | SPK: -100 |

## Report of Analysis

|                    |                         |                 |                       |
|--------------------|-------------------------|-----------------|-----------------------|
| Client:            |                         | Date Collected: | 8/19/2024 12:00:00 AM |
| Project:           |                         | Date Received:  | 8/19/2024 12:00:00 AM |
| Client Sample ID:  | S-912-J-SO-0-0.5-081924 | SDG No.:        | BM082224              |
| Lab Sample ID:     | P3671-13                | Matrix:         | Solid                 |
| Analytical Method: | 8270E                   | % Moisture:     | 69.4                  |
| Sample Wt/Vol:     | 30.09      Units:    g  | Final Vol:      | 1000              uL  |
| Soil Aliquot Vol:  | uL                      | Test:           |                       |
| Extraction Type :  | Decanted :              | Level :         | LOW                   |
| Injection Volume : | GPC Factor :            | GPC Cleanup :   | PH :                  |

|                   |           |                       |                       |               |
|-------------------|-----------|-----------------------|-----------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date             | Date Analyzed         | Prep Batch ID |
| BM047316.D        | 1         | 8/21/2024 12:00:00 AM | 8/22/2024 12:00:00 AM | PB162876      |

| CAS Number                            | Parameter                        | Conc.   | Qualifier | MDL    | LOD | LOQ / CRQL | Units     |
|---------------------------------------|----------------------------------|---------|-----------|--------|-----|------------|-----------|
| 118-79-6                              | 2,4,6-Tribromophenol             | 70.479  |           | 10-116 |     | 47         | SPK: -150 |
| 1718-51-0                             | Terphenyl-d14                    | 30.729  |           | 10-105 |     | 31         | SPK: -100 |
| <b>INTERNAL STANDARDS</b>             |                                  |         |           |        |     |            |           |
| 3855-82-1                             | 1,4-Dichlorobenzene-d4           | 255981  | 7.351     |        |     |            |           |
| 1146-65-2                             | Naphthalene-d8                   | 983498  | 10.104    |        |     |            |           |
| 15067-26-2                            | Acenaphthene-d10                 | 648299  | 14.01     |        |     |            |           |
| 1517-22-2                             | Phenanthrene-d10                 | 1386420 | 16.774    |        |     |            |           |
| 1719-03-5                             | Chrysene-d12                     | 1285465 | 21.015    |        |     |            |           |
| 1520-96-3                             | Perylene-d12                     | 1323018 | 23.709    |        |     |            |           |
| <b>TENTATIVE IDENTIFIED COMPOUNDS</b> |                                  |         |           |        |     |            |           |
| 000057-55-6                           | Propylene Glycol                 | 310     | J         |        |     | 3.258      |           |
| 000123-42-2                           | 2-Pentanone, 4-hydroxy-4-methyl- | 410     | A         |        |     | 4.563      |           |
| 000470-82-6                           | Eucalyptol                       | 350     | J         |        |     | 7.651      |           |
| 000770-35-4                           | 1-Phenoxypropan-2-ol             | 280     | J         |        |     | 10.875     |           |
| 000057-10-3                           | n-Hexadecanoic acid              | 780     | J         |        |     | 17.715     |           |
| 000057-11-4                           | Octadecanoic acid                | 290     | J         |        |     | 19.009     |           |
| 015594-90-8                           | 1-Heneicosanol                   | 750     | J         |        |     | 20.751     |           |
| 074685-30-6                           | 5-Eicosene, (E)-                 | 760     | J         |        |     | 21.768     |           |
| 000630-01-3                           | Hexacosane                       | 320     | J         |        |     | 22.974     |           |
| 000112-95-8                           | Eicosane                         | 420     | J         |        |     | 24.656     |           |

## Report of Analysis

|                    |                          |                 |                       |
|--------------------|--------------------------|-----------------|-----------------------|
| Client:            |                          | Date Collected: | 8/19/2024 12:00:00 AM |
| Project:           |                          | Date Received:  | 8/19/2024 12:00:00 AM |
| Client Sample ID:  | S-928-K1-SO-0.5-1-081924 | SDG No.:        | BM082224              |
| Lab Sample ID:     | P3671-10                 | Matrix:         | Solid                 |
| Analytical Method: | 8270E                    | % Moisture:     | 42.8                  |
| Sample Wt/Vol:     | 30.05                    | 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 |
| BM047317.D        | 1         | 8/21/2024 12:00:00 AM | 8/22/2024 12:00:00 AM | PB162876      |

| CAS Number     | Parameter                   | Conc. | Qualifier | MDL  | LOD | LOQ / CRQL | Units |
|----------------|-----------------------------|-------|-----------|------|-----|------------|-------|
| <b>TARGETS</b> |                             |       |           |      |     |            |       |
| 62-75-9        | n-Nitrosodimethylamine      | 150   | U         | 150  | 470 | 580        | ug/Kg |
| 110-86-1       | Pyridine                    | 140   | U         | 140  | 230 | 300        | ug/Kg |
| 100-52-7       | Benzaldehyde                | 320   | U         | 320  | 470 | 580        | ug/Kg |
| 62-53-3        | Aniline                     | 170   | U         | 170  | 230 | 300        | ug/Kg |
| 108-95-2       | Phenol                      | 140   | U         | 140  | 230 | 300        | ug/Kg |
| 111-44-4       | bis(2-Chloroethyl)ether     | 150   | U         | 150  | 230 | 300        | ug/Kg |
| 95-57-8        | 2-Chlorophenol              | 150   | U         | 150  | 230 | 300        | ug/Kg |
| 95-50-1        | 1,2-Dichlorobenzene         | 150   | U         | 150  | 230 | 300        | ug/Kg |
| 541-73-1       | 1,3-Dichlorobenzene         | 150   | U         | 150  | 230 | 300        | ug/Kg |
| 106-46-7       | 1,4-Dichlorobenzene         | 150   | U         | 150  | 230 | 300        | ug/Kg |
| 100-51-6       | Benzyl Alcohol              | 140   | U         | 140  | 470 | 580        | ug/Kg |
| 95-48-7        | 2-Methylphenol              | 140   | U         | 140  | 230 | 300        | ug/Kg |
| 108-60-1       | 2,2-oxybis(1-Chloropropane) | 160   | U         | 160  | 230 | 300        | ug/Kg |
| 98-86-2        | Acetophenone                | 150   | U         | 150  | 230 | 300        | ug/Kg |
| 65794-96-9     | 3+4-Methylphenols           | 140   | U         | 140  | 470 | 580        | ug/Kg |
| 621-64-7       | n-Nitroso-di-n-propylamine  | 70.3  | U         | 70.3 | 140 | 140        | ug/Kg |
| 67-72-1        | Hexachloroethane            | 140   | U         | 140  | 230 | 300        | ug/Kg |
| 98-95-3        | Nitrobenzene                | 160   | U         | 160  | 230 | 300        | ug/Kg |
| 78-59-1        | Isophorone                  | 150   | U         | 150  | 230 | 300        | ug/Kg |
| 88-75-5        | 2-Nitrophenol               | 160   | U         | 160  | 230 | 300        | ug/Kg |
| 105-67-9       | 2,4-Dimethylphenol          | 160   | U         | 160  | 230 | 300        | ug/Kg |
| 111-91-1       | bis(2-Chloroethoxy)methane  | 150   | U         | 150  | 230 | 300        | ug/Kg |
| 120-83-2       | 2,4-Dichlorophenol          | 130   | U         | 130  | 230 | 300        | ug/Kg |
| 120-82-1       | 1,2,4-Trichlorobenzene      | 150   | U         | 150  | 230 | 300        | ug/Kg |
| 65-85-0        | Benzoic acid                | 410   | U         | 410  | 470 | 580        | ug/Kg |
| 91-20-3        | Naphthalene                 | 140   | U         | 140  | 230 | 300        | ug/Kg |
| 106-47-8       | 4-Chloroaniline             | 140   | U         | 140  | 230 | 300        | ug/Kg |
| 87-68-3        | Hexachlorobutadiene         | 150   | U         | 150  | 230 | 300        | ug/Kg |

## Report of Analysis

|                    |                          |                 |                       |
|--------------------|--------------------------|-----------------|-----------------------|
| Client:            |                          | Date Collected: | 8/19/2024 12:00:00 AM |
| Project:           |                          | Date Received:  | 8/19/2024 12:00:00 AM |
| Client Sample ID:  | S-928-K1-SO-0.5-1-081924 | SDG No.:        | BM082224              |
| Lab Sample ID:     | P3671-10                 | Matrix:         | Solid                 |
| Analytical Method: | 8270E                    | % Moisture:     | 42.8                  |
| Sample Wt/Vol:     | 30.05      Units:    g   | Final Vol:      | 1000              uL  |
| Soil Aliquot Vol:  | uL                       | Test:           |                       |
| Extraction Type :  | Decanted :               | Level :         | LOW                   |
| Injection Volume : | GPC Factor :             | GPC Cleanup :   | PH :                  |

|                   |           |                       |                       |               |
|-------------------|-----------|-----------------------|-----------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date             | Date Analyzed         | Prep Batch ID |
| BM047317.D        | 1         | 8/21/2024 12:00:00 AM | 8/22/2024 12:00:00 AM | PB162876      |

| CAS Number | Parameter                                       | Conc. | Qualifier | MDL  | LOD | LOQ / CRQL | Units |
|------------|-------------------------------------------------|-------|-----------|------|-----|------------|-------|
| 105-60-2   | Caprolactam                                     | 150   | U         | 150  | 470 | 580        | ug/Kg |
| 59-50-7    | 4-Chloro-3-methylphenol                         | 140   | U         | 140  | 230 | 300        | ug/Kg |
| 91-57-6    | 2-Methylnaphthalene                             | 140   | U         | 140  | 230 | 300        | ug/Kg |
| 77-47-4    | Hexachlorocyclopentadiene                       | 270   | U         | 270  | 470 | 580        | ug/Kg |
| 88-06-2    | 2,4,6-Trichlorophenol                           | 120   | U         | 120  | 230 | 300        | ug/Kg |
| 95-95-4    | 2,4,5-Trichlorophenol                           | 130   | U         | 130  | 230 | 300        | ug/Kg |
| 92-52-4    | 1,1-Biphenyl                                    | 150   | U         | 150  | 230 | 300        | ug/Kg |
| 91-58-7    | 2-Chloronaphthalene                             | 150   | U         | 150  | 230 | 300        | ug/Kg |
| 88-74-4    | 2-Nitroaniline                                  | 170   | U         | 170  | 230 | 300        | ug/Kg |
| 131-11-3   | Dimethylphthalate                               | 140   | U         | 140  | 230 | 300        | ug/Kg |
| 208-96-8   | Acenaphthylene                                  | 150   | U         | 150  | 230 | 300        | ug/Kg |
| 606-20-2   | 2,6-Dinitrotoluene                              | 150   | U         | 150  | 230 | 300        | ug/Kg |
| 99-09-2    | 3-Nitroaniline                                  | 160   | U         | 160  | 230 | 300        | ug/Kg |
| 83-32-9    | Acenaphthene                                    | 140   | U         | 140  | 230 | 300        | ug/Kg |
| Total PAH  | Total PAH                                       | 2300  | U         | 2300 | 230 | 4800       | ug/Kg |
| 51-28-5    | 2,4-Dinitrophenol                               | 420   | U         | 420  | 470 | 580        | ug/Kg |
| 100-02-7   | 4-Nitrophenol                                   | 200   | U         | 200  | 470 | 580        | ug/Kg |
| 132-64-9   | Dibenzofuran                                    | 150   | U         | 150  | 230 | 300        | ug/Kg |
| 25321-14-6 | 2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture) | 300   | U         | 300  | 230 | 600        | ug/Kg |
| 121-14-2   | 2,4-Dinitrotoluene                              | 150   | U         | 150  | 230 | 300        | ug/Kg |
| 84-66-2    | Diethylphthalate                                | 140   | U         | 140  | 230 | 300        | ug/Kg |
| 7005-72-3  | 4-Chlorophenyl-phenylether                      | 150   | U         | 150  | 230 | 300        | ug/Kg |
| 86-73-7    | Fluorene                                        | 150   | U         | 150  | 230 | 300        | ug/Kg |
| 100-01-6   | 4-Nitroaniline                                  | 190   | U         | 190  | 230 | 300        | ug/Kg |
| 534-52-1   | 4,6-Dinitro-2-methylphenol                      | 200   | U         | 200  | 470 | 580        | ug/Kg |
| 86-30-6    | n-Nitrosodiphenylamine                          | 140   | U         | 140  | 230 | 300        | ug/Kg |
| 103-33-3   | Azobenzene                                      | 140   | U         | 140  | 230 | 300        | ug/Kg |
| 101-55-3   | 4-Bromophenyl-phenylether                       | 140   | U         | 140  | 230 | 300        | ug/Kg |
| 118-74-1   | Hexachlorobenzene                               | 150   | U         | 150  | 230 | 300        | ug/Kg |
| 1912-24-9  | Atrazine                                        | 160   | U         | 160  | 230 | 300        | ug/Kg |

## Report of Analysis

|                    |                          |                 |                       |
|--------------------|--------------------------|-----------------|-----------------------|
| Client:            |                          | Date Collected: | 8/19/2024 12:00:00 AM |
| Project:           |                          | Date Received:  | 8/19/2024 12:00:00 AM |
| Client Sample ID:  | S-928-K1-SO-0.5-1-081924 | SDG No.:        | BM082224              |
| Lab Sample ID:     | P3671-10                 | Matrix:         | Solid                 |
| Analytical Method: | 8270E                    | % Moisture:     | 42.8                  |
| Sample Wt/Vol:     | 30.05                    | 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 |
| BM047317.D        | 1         | 8/21/2024 12:00:00 AM | 8/22/2024 12:00:00 AM | PB162876      |

| CAS Number        | Parameter                  | Conc.  | Qualifier | MDL    | LOD | LOQ / CRQL | Units     |
|-------------------|----------------------------|--------|-----------|--------|-----|------------|-----------|
| 87-86-5           | Pentachlorophenol          | 130    | U         | 130    | 470 | 580        | ug/Kg     |
| 85-01-8           | Phenanthrene               | 150    | U         | 150    | 230 | 300        | ug/Kg     |
| 120-12-7          | Anthracene                 | 150    | U         | 150    | 230 | 300        | ug/Kg     |
| 86-74-8           | Carbazole                  | 140    | U         | 140    | 230 | 300        | ug/Kg     |
| 84-74-2           | Di-n-butylphthalate        | 150    | U         | 150    | 230 | 300        | ug/Kg     |
| 206-44-0          | Fluoranthene               | 140    | U         | 140    | 230 | 300        | ug/Kg     |
| 92-87-5           | Benzidine                  | 280    | U         | 280    | 470 | 580        | ug/Kg     |
| 129-00-0          | Pyrene                     | 140    | U         | 140    | 230 | 300        | ug/Kg     |
| 85-68-7           | Butylbenzylphthalate       | 170    | U         | 170    | 230 | 300        | ug/Kg     |
| 91-94-1           | 3,3-Dichlorobenzidine      | 170    | U         | 170    | 470 | 580        | ug/Kg     |
| 56-55-3           | Benzo(a)anthracene         | 140    | U         | 140    | 230 | 300        | ug/Kg     |
| 218-01-9          | Chrysene                   | 140    | U         | 140    | 230 | 300        | ug/Kg     |
| 117-81-7          | Bis(2-ethylhexyl)phthalate | 160    | U         | 160    | 230 | 300        | ug/Kg     |
| 117-84-0          | Di-n-octyl phthalate       | 190    | U         | 190    | 470 | 580        | ug/Kg     |
| 205-99-2          | Benzo(b)fluoranthene       | 140    | U         | 140    | 230 | 300        | ug/Kg     |
| 207-08-9          | Benzo(k)fluoranthene       | 140    | U         | 140    | 230 | 300        | ug/Kg     |
| 50-32-8           | Benzo(a)pyrene             | 160    | U         | 160    | 230 | 300        | ug/Kg     |
| 193-39-5          | Indeno(1,2,3-cd)pyrene     | 140    | U         | 140    | 230 | 300        | ug/Kg     |
| 53-70-3           | Dibenzo(a,h)anthracene     | 140    | U         | 140    | 230 | 300        | ug/Kg     |
| 191-24-2          | Benzo(g,h,i)perylene       | 140    | U         | 140    | 230 | 300        | ug/Kg     |
| 95-94-3           | 1,2,4,5-Tetrachlorobenzene | 150    | U         | 150    | 230 | 300        | ug/Kg     |
| 123-91-1          | 1,4-Dioxane                | 190    | U         | 190    | 230 | 300        | ug/Kg     |
| 58-90-2           | 2,3,4,6-Tetrachlorophenol  | 130    | U         | 130    | 230 | 300        | ug/Kg     |
| 90-12-0           | 1-Methylnaphthalene        | 150    | U         | 150    | 300 | 300        | ug/Kg     |
| <b>SURROGATES</b> |                            |        |           |        |     |            |           |
| 367-12-4          | 2-Fluorophenol             | 88.444 |           | 18-112 |     | 59         | SPK: -150 |
| 13127-88-3        | Phenol-d6                  | 85.477 |           | 15-107 |     | 57         | SPK: -150 |
| 4165-60-0         | Nitrobenzene-d5            | 56.193 |           | 18-107 |     | 56         | SPK: -100 |
| 321-60-8          | 2-Fluorobiphenyl           | 49.885 |           | 20-109 |     | 50         | SPK: -100 |

## Report of Analysis

|                    |                          |                 |                       |
|--------------------|--------------------------|-----------------|-----------------------|
| Client:            |                          | Date Collected: | 8/19/2024 12:00:00 AM |
| Project:           |                          | Date Received:  | 8/19/2024 12:00:00 AM |
| Client Sample ID:  | S-928-K1-SO-0.5-1-081924 | SDG No.:        | BM082224              |
| Lab Sample ID:     | P3671-10                 | Matrix:         | Solid                 |
| Analytical Method: | 8270E                    | % Moisture:     | 42.8                  |
| Sample Wt/Vol:     | 30.05                    | 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 |
| BM047317.D        | 1         | 8/21/2024 12:00:00 AM | 8/22/2024 12:00:00 AM | PB162876      |

| CAS Number                            | Parameter                          | Conc.   | Qualifier | MDL    | LOD | LOQ / CRQL | Units     |
|---------------------------------------|------------------------------------|---------|-----------|--------|-----|------------|-----------|
| 118-79-6                              | 2,4,6-Tribromophenol               | 93.816  |           | 10-116 |     | 63         | SPK: -150 |
| 1718-51-0                             | Terphenyl-d14                      | 50.563  |           | 10-105 |     | 51         | SPK: -100 |
| <b>INTERNAL STANDARDS</b>             |                                    |         |           |        |     |            |           |
| 3855-82-1                             | 1,4-Dichlorobenzene-d4             | 256729  | 7.351     |        |     |            |           |
| 1146-65-2                             | Naphthalene-d8                     | 976076  | 10.104    |        |     |            |           |
| 15067-26-2                            | Acenaphthene-d10                   | 648357  | 14.01     |        |     |            |           |
| 1517-22-2                             | Phenanthrene-d10                   | 1364522 | 16.774    |        |     |            |           |
| 1719-03-5                             | Chrysene-d12                       | 1305173 | 21.015    |        |     |            |           |
| 1520-96-3                             | Perylene-d12                       | 1329488 | 23.709    |        |     |            |           |
| <b>TENTATIVE IDENTIFIED COMPOUNDS</b> |                                    |         |           |        |     |            |           |
| 000057-55-6                           | Propylene Glycol                   | 260     | J         |        |     | 3.257      |           |
| 000123-42-2                           | 2-Pentanone, 4-hydroxy-4-methyl-   | 230     | A         |        |     | 4.563      |           |
| 000470-82-6                           | Eucalyptol                         | 370     | J         |        |     | 7.651      |           |
| 000770-35-4                           | 1-Phenoxypropan-2-ol               | 200     | J         |        |     | 10.874     |           |
| 039029-41-9                           | Naphthalene, 1,2,3,4,4a,5,6,8a-oct | 160     | J         |        |     | 14.268     |           |
| 002649-64-1                           | (3S,3aS,6R,7R,9aS)-1,1,7-Trimethyl | 140     | J         |        |     | 17.539     |           |
| 017435-72-2                           | Ethyl 2-(bromomethyl)acrylate      | 190     | J         |        |     | 17.674     |           |
| 000057-10-3                           | n-Hexadecanoic acid                | 200     | J         |        |     | 17.709     |           |
| 000080-05-7                           | Phenol, 4,4-(1-methylethylidene)b  | 160     | J         |        |     | 19.268     |           |
| 074685-29-3                           | 9-Eicosene, (E)-                   | 490     | J         |        |     | 20.75      |           |
| 001454-84-8                           | n-Nonadecanol-1                    | 490     | J         |        |     | 21.768     |           |

## Report of Analysis

|                    |                            |                 |                       |
|--------------------|----------------------------|-----------------|-----------------------|
| Client:            |                            | Date Collected: | 8/19/2024 12:00:00 AM |
| Project:           |                            | Date Received:  | 8/19/2024 12:00:00 AM |
| Client Sample ID:  | S-928-K1-SO-0.5-1-081924MS | SDG No.:        | BM082224              |
| Lab Sample ID:     | P3671-10MS                 | Matrix:         | Solid                 |
| Analytical Method: | 8270E                      | % Moisture:     | 42.8                  |
| Sample Wt/Vol:     | 30.07                      | Units:          | g                     |
| Soil Aliquot Vol:  |                            | Final Vol:      | 1000 uL               |
| Extraction Type :  |                            | Test:           |                       |
|                    | Decanted :                 | Level :         | LOW                   |
| Injection Volume : |                            | GPC Factor :    |                       |
|                    |                            | GPC Cleanup :   | PH :                  |

|                   |           |                       |                       |               |
|-------------------|-----------|-----------------------|-----------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date             | Date Analyzed         | Prep Batch ID |
| BM047318.D        | 1         | 8/21/2024 12:00:00 AM | 8/22/2024 12:00:00 AM | PB162876      |

| CAS Number     | Parameter                   | Conc. | Qualifier | MDL  | LOD | LOQ / CRQL | Units |
|----------------|-----------------------------|-------|-----------|------|-----|------------|-------|
| <b>TARGETS</b> |                             |       |           |      |     |            |       |
| 62-75-9        | n-Nitrosodimethylamine      | 2300  |           | 150  | 470 | 580        | ug/Kg |
| 110-86-1       | Pyridine                    | 2000  |           | 140  | 230 | 300        | ug/Kg |
| 100-52-7       | Benzaldehyde                | 1700  |           | 320  | 470 | 580        | ug/Kg |
| 62-53-3        | Aniline                     | 2100  |           | 170  | 230 | 300        | ug/Kg |
| 108-95-2       | Phenol                      | 2700  |           | 140  | 230 | 300        | ug/Kg |
| 111-44-4       | bis(2-Chloroethyl)ether     | 2500  |           | 150  | 230 | 300        | ug/Kg |
| 95-57-8        | 2-Chlorophenol              | 2800  |           | 150  | 230 | 300        | ug/Kg |
| 95-50-1        | 1,2-Dichlorobenzene         | 2600  |           | 150  | 230 | 300        | ug/Kg |
| 541-73-1       | 1,3-Dichlorobenzene         | 2600  |           | 150  | 230 | 300        | ug/Kg |
| 106-46-7       | 1,4-Dichlorobenzene         | 2500  |           | 150  | 230 | 300        | ug/Kg |
| 100-51-6       | Benzyl Alcohol              | 2800  |           | 140  | 470 | 580        | ug/Kg |
| 95-48-7        | 2-Methylphenol              | 2700  |           | 140  | 230 | 300        | ug/Kg |
| 108-60-1       | 2,2-oxybis(1-Chloropropane) | 2400  |           | 160  | 230 | 300        | ug/Kg |
| 98-86-2        | Acetophenone                | 2500  |           | 150  | 230 | 300        | ug/Kg |
| 65794-96-9     | 3+4-Methylphenols           | 2700  |           | 140  | 470 | 580        | ug/Kg |
| 621-64-7       | n-Nitroso-di-n-propylamine  | 2400  |           | 70.3 | 140 | 140        | ug/Kg |
| 67-72-1        | Hexachloroethane            | 2500  |           | 140  | 230 | 300        | ug/Kg |
| 98-95-3        | Nitrobenzene                | 2500  |           | 160  | 230 | 300        | ug/Kg |
| 78-59-1        | Isophorone                  | 2600  |           | 150  | 230 | 300        | ug/Kg |
| 88-75-5        | 2-Nitrophenol               | 2900  |           | 160  | 230 | 300        | ug/Kg |
| 105-67-9       | 2,4-Dimethylphenol          | 3500  |           | 160  | 230 | 300        | ug/Kg |
| 111-91-1       | bis(2-Chloroethoxy)methane  | 2600  |           | 150  | 230 | 300        | ug/Kg |
| 120-83-2       | 2,4-Dichlorophenol          | 3000  |           | 130  | 230 | 300        | ug/Kg |
| 120-82-1       | 1,2,4-Trichlorobenzene      | 2700  |           | 150  | 230 | 300        | ug/Kg |
| 65-85-0        | Benzoic acid                | 2700  |           | 410  | 470 | 580        | ug/Kg |
| 91-20-3        | Naphthalene                 | 2600  |           | 140  | 230 | 300        | ug/Kg |
| 106-47-8       | 4-Chloroaniline             | 1300  |           | 140  | 230 | 300        | ug/Kg |
| 87-68-3        | Hexachlorobutadiene         | 2900  |           | 150  | 230 | 300        | ug/Kg |

## Report of Analysis

|                    |                            |                 |                       |
|--------------------|----------------------------|-----------------|-----------------------|
| Client:            |                            | Date Collected: | 8/19/2024 12:00:00 AM |
| Project:           |                            | Date Received:  | 8/19/2024 12:00:00 AM |
| Client Sample ID:  | S-928-K1-SO-0.5-1-081924MS | SDG No.:        | BM082224              |
| Lab Sample ID:     | P3671-10MS                 | Matrix:         | Solid                 |
| Analytical Method: | 8270E                      | % Moisture:     | 42.8                  |
| Sample Wt/Vol:     | 30.07 Units: g             | Final Vol:      | 1000 uL               |
| Soil Aliquot Vol:  | uL                         | Test:           |                       |
| Extraction Type :  | Decanted :                 | Level :         | LOW                   |
| Injection Volume : | GPC Factor :               | GPC Cleanup :   | PH :                  |

|                   |           |                       |                       |               |
|-------------------|-----------|-----------------------|-----------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date             | Date Analyzed         | Prep Batch ID |
| BM047318.D        | 1         | 8/21/2024 12:00:00 AM | 8/22/2024 12:00:00 AM | PB162876      |

| CAS Number | Parameter                                       | Conc. | Qualifier | MDL  | LOD | LOQ / CRQL | Units |
|------------|-------------------------------------------------|-------|-----------|------|-----|------------|-------|
| 105-60-2   | Caprolactam                                     | 2700  |           | 150  | 470 | 580        | ug/Kg |
| 59-50-7    | 4-Chloro-3-methylphenol                         | 2800  |           | 140  | 230 | 300        | ug/Kg |
| 91-57-6    | 2-Methylnaphthalene                             | 2700  |           | 140  | 230 | 300        | ug/Kg |
| 77-47-4    | Hexachlorocyclopentadiene                       | 9400  | E         | 270  | 470 | 580        | ug/Kg |
| 88-06-2    | 2,4,6-Trichlorophenol                           | 3000  |           | 120  | 230 | 300        | ug/Kg |
| 95-95-4    | 2,4,5-Trichlorophenol                           | 2900  |           | 130  | 230 | 300        | ug/Kg |
| 92-52-4    | 1,1-Biphenyl                                    | 2600  |           | 150  | 230 | 300        | ug/Kg |
| 91-58-7    | 2-Chloronaphthalene                             | 2600  |           | 150  | 230 | 300        | ug/Kg |
| 88-74-4    | 2-Nitroaniline                                  | 2600  |           | 170  | 230 | 300        | ug/Kg |
| 131-11-3   | Dimethylphthalate                               | 2700  |           | 140  | 230 | 300        | ug/Kg |
| 208-96-8   | Acenaphthylene                                  | 2800  |           | 150  | 230 | 300        | ug/Kg |
| 606-20-2   | 2,6-Dinitrotoluene                              | 2600  |           | 150  | 230 | 300        | ug/Kg |
| 99-09-2    | 3-Nitroaniline                                  | 2000  |           | 160  | 230 | 300        | ug/Kg |
| 83-32-9    | Acenaphthene                                    | 2700  |           | 140  | 230 | 300        | ug/Kg |
| Total PAH  | Total PAH                                       | 43400 |           | 2300 | 230 | 4800       | ug/Kg |
| 51-28-5    | 2,4-Dinitrophenol                               | 6100  | E         | 420  | 470 | 580        | ug/Kg |
| 100-02-7   | 4-Nitrophenol                                   | 5200  | E         | 200  | 470 | 580        | ug/Kg |
| 132-64-9   | Dibenzofuran                                    | 2700  |           | 150  | 230 | 300        | ug/Kg |
| 25321-14-6 | 2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture) | 6200  |           | 300  | 230 | 600        | ug/Kg |
| 121-14-2   | 2,4-Dinitrotoluene                              | 2600  |           | 150  | 230 | 300        | ug/Kg |
| 84-66-2    | Diethylphthalate                                | 2700  |           | 140  | 230 | 300        | ug/Kg |
| 7005-72-3  | 4-Chlorophenyl-phenylether                      | 2800  |           | 150  | 230 | 300        | ug/Kg |
| 86-73-7    | Fluorene                                        | 2600  |           | 150  | 230 | 300        | ug/Kg |
| 100-01-6   | 4-Nitroaniline                                  | 2500  |           | 190  | 230 | 300        | ug/Kg |
| 534-52-1   | 4,6-Dinitro-2-methylphenol                      | 3000  |           | 200  | 470 | 580        | ug/Kg |
| 86-30-6    | n-Nitrosodiphenylamine                          | 2800  |           | 140  | 230 | 300        | ug/Kg |
| 103-33-3   | Azobenzene                                      | 2500  |           | 140  | 230 | 300        | ug/Kg |
| 101-55-3   | 4-Bromophenyl-phenylether                       | 2900  |           | 140  | 230 | 300        | ug/Kg |
| 118-74-1   | Hexachlorobenzene                               | 2800  |           | 150  | 230 | 300        | ug/Kg |
| 1912-24-9  | Atrazine                                        | 3600  |           | 160  | 230 | 300        | ug/Kg |

## Report of Analysis

|                    |                            |                 |                       |
|--------------------|----------------------------|-----------------|-----------------------|
| Client:            |                            | Date Collected: | 8/19/2024 12:00:00 AM |
| Project:           |                            | Date Received:  | 8/19/2024 12:00:00 AM |
| Client Sample ID:  | S-928-K1-SO-0.5-1-081924MS | SDG No.:        | BM082224              |
| Lab Sample ID:     | P3671-10MS                 | Matrix:         | Solid                 |
| Analytical Method: | 8270E                      | % Moisture:     | 42.8                  |
| Sample Wt/Vol:     | 30.07 Units: g             | Final Vol:      | 1000 uL               |
| Soil Aliquot Vol:  | uL                         | Test:           |                       |
| Extraction Type :  | Decanted :                 | Level :         | LOW                   |
| Injection Volume : | GPC Factor :               | GPC Cleanup :   | PH :                  |

|                   |           |                       |                       |               |
|-------------------|-----------|-----------------------|-----------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date             | Date Analyzed         | Prep Batch ID |
| BM047318.D        | 1         | 8/21/2024 12:00:00 AM | 8/22/2024 12:00:00 AM | PB162876      |

| CAS Number        | Parameter                  | Conc.  | Qualifier | MDL    | LOD | LOQ / CRQL | Units     |
|-------------------|----------------------------|--------|-----------|--------|-----|------------|-----------|
| 87-86-5           | Pentachlorophenol          | 5500   | E         | 130    | 470 | 580        | ug/Kg     |
| 85-01-8           | Phenanthrene               | 2700   |           | 150    | 230 | 300        | ug/Kg     |
| 120-12-7          | Anthracene                 | 2900   |           | 150    | 230 | 300        | ug/Kg     |
| 86-74-8           | Carbazole                  | 2700   |           | 140    | 230 | 300        | ug/Kg     |
| 84-74-2           | Di-n-butylphthalate        | 2700   |           | 150    | 230 | 300        | ug/Kg     |
| 206-44-0          | Fluoranthene               | 2700   |           | 140    | 230 | 300        | ug/Kg     |
| 92-87-5           | Benzidine                  | 5900   | E         | 280    | 470 | 580        | ug/Kg     |
| 129-00-0          | Pyrene                     | 2800   |           | 140    | 230 | 300        | ug/Kg     |
| 85-68-7           | Butylbenzylphthalate       | 3000   |           | 170    | 230 | 300        | ug/Kg     |
| 91-94-1           | 3,3-Dichlorobenzidine      | 2300   |           | 170    | 470 | 580        | ug/Kg     |
| 56-55-3           | Benzo(a)anthracene         | 2800   |           | 140    | 230 | 300        | ug/Kg     |
| 218-01-9          | Chrysene                   | 2800   |           | 140    | 230 | 300        | ug/Kg     |
| 117-81-7          | Bis(2-ethylhexyl)phthalate | 3000   |           | 160    | 230 | 300        | ug/Kg     |
| 117-84-0          | Di-n-octyl phthalate       | 3100   |           | 190    | 470 | 580        | ug/Kg     |
| 205-99-2          | Benzo(b)fluoranthene       | 2800   |           | 140    | 230 | 300        | ug/Kg     |
| 207-08-9          | Benzo(k)fluoranthene       | 2900   |           | 140    | 230 | 300        | ug/Kg     |
| 50-32-8           | Benzo(a)pyrene             | 2900   |           | 160    | 230 | 300        | ug/Kg     |
| 193-39-5          | Indeno(1,2,3-cd)pyrene     | 2600   |           | 140    | 230 | 300        | ug/Kg     |
| 53-70-3           | Dibenzo(a,h)anthracene     | 2500   |           | 140    | 230 | 300        | ug/Kg     |
| 191-24-2          | Benzo(g,h,i)perylene       | 2300   |           | 140    | 230 | 300        | ug/Kg     |
| 95-94-3           | 1,2,4,5-Tetrachlorobenzene | 2900   |           | 150    | 230 | 300        | ug/Kg     |
| 123-91-1          | 1,4-Dioxane                | 2200   |           | 190    | 230 | 300        | ug/Kg     |
| 58-90-2           | 2,3,4,6-Tetrachlorophenol  | 3000   |           | 130    | 230 | 300        | ug/Kg     |
| 90-12-0           | 1-Methylnaphthalene        | 2500   |           | 150    | 300 | 300        | ug/Kg     |
| <b>SURROGATES</b> |                            |        |           |        |     |            |           |
| 367-12-4          | 2-Fluorophenol             | 90.605 |           | 18-112 |     | 60         | SPK: -150 |
| 13127-88-3        | Phenol-d6                  | 87.35  |           | 15-107 |     | 58         | SPK: -150 |
| 4165-60-0         | Nitrobenzene-d5            | 57.351 |           | 18-107 |     | 57         | SPK: -100 |
| 321-60-8          | 2-Fluorobiphenyl           | 50.644 |           | 20-109 |     | 51         | SPK: -100 |



|                    |                            |          |                 |                       |    |
|--------------------|----------------------------|----------|-----------------|-----------------------|----|
| Client:            |                            |          | Date Collected: | 8/19/2024 12:00:00 AM |    |
| Project:           |                            |          | Date Received:  | 8/19/2024 12:00:00 AM |    |
| Client Sample ID:  | S-928-K1-SO-0.5-1-081924MS |          | SDG No.:        | BM082224              |    |
| Lab Sample ID:     | P3671-10MS                 |          | Matrix:         | Solid                 |    |
| Analytical Method: | 8270E                      |          | % Moisture:     | 42.8                  |    |
| Sample Wt/Vol:     | 30.07                      | Units: g | Final Vol:      | 1000                  | uL |
| Soil Aliquot Vol:  |                            | uL       | Test:           |                       |    |
| Extraction Type :  | Decanted :                 |          | Level :         | LOW                   |    |
| Injection Volume : | GPC Factor :               |          | GPC Cleanup :   | PH :                  |    |

| File ID/Qc Batch: | Dilution: | Prep Date             | Date Analyzed         | Prep Batch ID |
|-------------------|-----------|-----------------------|-----------------------|---------------|
| BM047318.D        | 1         | 8/21/2024 12:00:00 AM | 8/22/2024 12:00:00 AM | PB162876      |

| CAS Number                | Parameter              | Conc.   | Qualifier | MDL    | LOD | LOQ / CRQL | Units     |
|---------------------------|------------------------|---------|-----------|--------|-----|------------|-----------|
| 118-79-6                  | 2,4,6-Tribromophenol   | 92.649  |           | 10-116 |     | 62         | SPK: -150 |
| 1718-51-0                 | Terphenyl-d14          | 56.327  |           | 10-105 |     | 56         | SPK: -100 |
| <b>INTERNAL STANDARDS</b> |                        |         |           |        |     |            |           |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4 | 265473  | 7.352     |        |     |            |           |
| 1146-65-2                 | Naphthalene-d8         | 1026742 | 10.11     |        |     |            |           |
| 15067-26-2                | Acenaphthene-d10       | 688419  | 14.016    |        |     |            |           |
| 1517-22-2                 | Phenanthrene-d10       | 1449373 | 16.78     |        |     |            |           |
| 1719-03-5                 | Chrysene-d12           | 1253561 | 21.021    |        |     |            |           |
| 1520-96-3                 | Perylene-d12           | 1332024 | 23.709    |        |     |            |           |

## Report of Analysis

|                    |                             |                 |                       |
|--------------------|-----------------------------|-----------------|-----------------------|
| Client:            |                             | Date Collected: | 8/19/2024 12:00:00 AM |
| Project:           |                             | Date Received:  | 8/19/2024 12:00:00 AM |
| Client Sample ID:  | S-928-K1-SO-0.5-1-081924MSD | SDG No.:        | BM082224              |
| Lab Sample ID:     | P3671-10MSD                 | Matrix:         | Solid                 |
| Analytical Method: | 8270E                       | % Moisture:     | 42.8                  |
| Sample Wt/Vol:     | 30.06                       | 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 |
| BM047319.D        | 1         | 8/21/2024 12:00:00 AM | 8/22/2024 12:00:00 AM | PB162876      |

| CAS Number     | Parameter                   | Conc. | Qualifier | MDL  | LOD | LOQ / CRQL | Units |
|----------------|-----------------------------|-------|-----------|------|-----|------------|-------|
| <b>TARGETS</b> |                             |       |           |      |     |            |       |
| 62-75-9        | n-Nitrosodimethylamine      | 2400  |           | 150  | 470 | 580        | ug/Kg |
| 110-86-1       | Pyridine                    | 2100  |           | 140  | 230 | 300        | ug/Kg |
| 100-52-7       | Benzaldehyde                | 1800  |           | 320  | 470 | 580        | ug/Kg |
| 62-53-3        | Aniline                     | 2200  |           | 170  | 230 | 300        | ug/Kg |
| 108-95-2       | Phenol                      | 2800  |           | 140  | 230 | 300        | ug/Kg |
| 111-44-4       | bis(2-Chloroethyl)ether     | 2600  |           | 150  | 230 | 300        | ug/Kg |
| 95-57-8        | 2-Chlorophenol              | 3000  |           | 150  | 230 | 300        | ug/Kg |
| 95-50-1        | 1,2-Dichlorobenzene         | 2800  |           | 150  | 230 | 300        | ug/Kg |
| 541-73-1       | 1,3-Dichlorobenzene         | 2700  |           | 150  | 230 | 300        | ug/Kg |
| 106-46-7       | 1,4-Dichlorobenzene         | 2700  |           | 150  | 230 | 300        | ug/Kg |
| 100-51-6       | Benzyl Alcohol              | 3000  |           | 140  | 470 | 580        | ug/Kg |
| 95-48-7        | 2-Methylphenol              | 2900  |           | 140  | 230 | 300        | ug/Kg |
| 108-60-1       | 2,2-oxybis(1-Chloropropane) | 2600  |           | 160  | 230 | 300        | ug/Kg |
| 98-86-2        | Acetophenone                | 2700  |           | 150  | 230 | 300        | ug/Kg |
| 65794-96-9     | 3+4-Methylphenols           | 2800  |           | 140  | 470 | 580        | ug/Kg |
| 621-64-7       | n-Nitroso-di-n-propylamine  | 2500  |           | 70.3 | 140 | 140        | ug/Kg |
| 67-72-1        | Hexachloroethane            | 2700  |           | 140  | 230 | 300        | ug/Kg |
| 98-95-3        | Nitrobenzene                | 2600  |           | 160  | 230 | 300        | ug/Kg |
| 78-59-1        | Isophorone                  | 2700  |           | 150  | 230 | 300        | ug/Kg |
| 88-75-5        | 2-Nitrophenol               | 3100  |           | 160  | 230 | 300        | ug/Kg |
| 105-67-9       | 2,4-Dimethylphenol          | 3700  |           | 160  | 230 | 300        | ug/Kg |
| 111-91-1       | bis(2-Chloroethoxy)methane  | 2800  |           | 150  | 230 | 300        | ug/Kg |
| 120-83-2       | 2,4-Dichlorophenol          | 3200  |           | 130  | 230 | 300        | ug/Kg |
| 120-82-1       | 1,2,4-Trichlorobenzene      | 2900  |           | 150  | 230 | 300        | ug/Kg |
| 65-85-0        | Benzoic acid                | 2900  |           | 410  | 470 | 580        | ug/Kg |
| 91-20-3        | Naphthalene                 | 2700  |           | 140  | 230 | 300        | ug/Kg |
| 106-47-8       | 4-Chloroaniline             | 1300  |           | 140  | 230 | 300        | ug/Kg |
| 87-68-3        | Hexachlorobutadiene         | 3100  |           | 150  | 230 | 300        | ug/Kg |

## Report of Analysis

|                    |                             |                 |                       |
|--------------------|-----------------------------|-----------------|-----------------------|
| Client:            |                             | Date Collected: | 8/19/2024 12:00:00 AM |
| Project:           |                             | Date Received:  | 8/19/2024 12:00:00 AM |
| Client Sample ID:  | S-928-K1-SO-0.5-1-081924MSD | SDG No.:        | BM082224              |
| Lab Sample ID:     | P3671-10MSD                 | Matrix:         | Solid                 |
| Analytical Method: | 8270E                       | % Moisture:     | 42.8                  |
| Sample Wt/Vol:     | 30.06                       | 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 |
| BM047319.D        | 1         | 8/21/2024 12:00:00 AM | 8/22/2024 12:00:00 AM | PB162876      |

| CAS Number | Parameter                                       | Conc. | Qualifier | MDL  | LOD | LOQ / CRQL | Units |
|------------|-------------------------------------------------|-------|-----------|------|-----|------------|-------|
| 105-60-2   | Caprolactam                                     | 2900  |           | 150  | 470 | 580        | ug/Kg |
| 59-50-7    | 4-Chloro-3-methylphenol                         | 2900  |           | 140  | 230 | 300        | ug/Kg |
| 91-57-6    | 2-Methylnaphthalene                             | 2800  |           | 140  | 230 | 300        | ug/Kg |
| 77-47-4    | Hexachlorocyclopentadiene                       | 10100 | E         | 270  | 470 | 580        | ug/Kg |
| 88-06-2    | 2,4,6-Trichlorophenol                           | 3200  |           | 120  | 230 | 300        | ug/Kg |
| 95-95-4    | 2,4,5-Trichlorophenol                           | 3100  |           | 130  | 230 | 300        | ug/Kg |
| 92-52-4    | 1,1-Biphenyl                                    | 2800  |           | 150  | 230 | 300        | ug/Kg |
| 91-58-7    | 2-Chloronaphthalene                             | 2800  |           | 150  | 230 | 300        | ug/Kg |
| 88-74-4    | 2-Nitroaniline                                  | 2800  |           | 170  | 230 | 300        | ug/Kg |
| 131-11-3   | Dimethylphthalate                               | 2900  |           | 140  | 230 | 300        | ug/Kg |
| 208-96-8   | Acenaphthylene                                  | 3000  |           | 150  | 230 | 300        | ug/Kg |
| 606-20-2   | 2,6-Dinitrotoluene                              | 2800  |           | 150  | 230 | 300        | ug/Kg |
| 99-09-2    | 3-Nitroaniline                                  | 2000  |           | 160  | 230 | 300        | ug/Kg |
| 83-32-9    | Acenaphthene                                    | 2900  |           | 140  | 230 | 300        | ug/Kg |
| Total PAH  | Total PAH                                       | 46500 |           | 2300 | 230 | 4800       | ug/Kg |
| 51-28-5    | 2,4-Dinitrophenol                               | 6500  | E         | 420  | 470 | 580        | ug/Kg |
| 100-02-7   | 4-Nitrophenol                                   | 5500  | E         | 200  | 470 | 580        | ug/Kg |
| 132-64-9   | Dibenzofuran                                    | 2900  |           | 150  | 230 | 300        | ug/Kg |
| 25321-14-6 | 2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture) | 6600  |           | 300  | 230 | 600        | ug/Kg |
| 121-14-2   | 2,4-Dinitrotoluene                              | 2800  |           | 150  | 230 | 300        | ug/Kg |
| 84-66-2    | Diethylphthalate                                | 2800  |           | 140  | 230 | 300        | ug/Kg |
| 7005-72-3  | 4-Chlorophenyl-phenylether                      | 2900  |           | 150  | 230 | 300        | ug/Kg |
| 86-73-7    | Fluorene                                        | 2800  |           | 150  | 230 | 300        | ug/Kg |
| 100-01-6   | 4-Nitroaniline                                  | 2700  |           | 190  | 230 | 300        | ug/Kg |
| 534-52-1   | 4,6-Dinitro-2-methylphenol                      | 3200  |           | 200  | 470 | 580        | ug/Kg |
| 86-30-6    | n-Nitrosodiphenylamine                          | 2900  |           | 140  | 230 | 300        | ug/Kg |
| 103-33-3   | Azobenzene                                      | 2600  |           | 140  | 230 | 300        | ug/Kg |
| 101-55-3   | 4-Bromophenyl-phenylether                       | 3100  |           | 140  | 230 | 300        | ug/Kg |
| 118-74-1   | Hexachlorobenzene                               | 3000  |           | 150  | 230 | 300        | ug/Kg |
| 1912-24-9  | Atrazine                                        | 3800  |           | 160  | 230 | 300        | ug/Kg |

## Report of Analysis

|                    |                             |                 |                       |
|--------------------|-----------------------------|-----------------|-----------------------|
| Client:            |                             | Date Collected: | 8/19/2024 12:00:00 AM |
| Project:           |                             | Date Received:  | 8/19/2024 12:00:00 AM |
| Client Sample ID:  | S-928-K1-SO-0.5-1-081924MSD | SDG No.:        | BM082224              |
| Lab Sample ID:     | P3671-10MSD                 | Matrix:         | Solid                 |
| Analytical Method: | 8270E                       | % Moisture:     | 42.8                  |
| Sample Wt/Vol:     | 30.06                       | 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 |
| BM047319.D        | 1         | 8/21/2024 12:00:00 AM | 8/22/2024 12:00:00 AM | PB162876      |

| CAS Number        | Parameter                  | Conc.  | Qualifier | MDL    | LOD | LOQ / CRQL | Units     |
|-------------------|----------------------------|--------|-----------|--------|-----|------------|-----------|
| 87-86-5           | Pentachlorophenol          | 5800   | E         | 130    | 470 | 580        | ug/Kg     |
| 85-01-8           | Phenanthrene               | 2900   |           | 150    | 230 | 300        | ug/Kg     |
| 120-12-7          | Anthracene                 | 3100   |           | 150    | 230 | 300        | ug/Kg     |
| 86-74-8           | Carbazole                  | 2800   |           | 140    | 230 | 300        | ug/Kg     |
| 84-74-2           | Di-n-butylphthalate        | 2900   |           | 150    | 230 | 300        | ug/Kg     |
| 206-44-0          | Fluoranthene               | 2900   |           | 140    | 230 | 300        | ug/Kg     |
| 92-87-5           | Benzidine                  | 6400   | E         | 280    | 470 | 580        | ug/Kg     |
| 129-00-0          | Pyrene                     | 3100   |           | 140    | 230 | 300        | ug/Kg     |
| 85-68-7           | Butylbenzylphthalate       | 3200   |           | 170    | 230 | 300        | ug/Kg     |
| 91-94-1           | 3,3-Dichlorobenzidine      | 2500   |           | 170    | 470 | 580        | ug/Kg     |
| 56-55-3           | Benzo(a)anthracene         | 3000   |           | 140    | 230 | 300        | ug/Kg     |
| 218-01-9          | Chrysene                   | 2900   |           | 140    | 230 | 300        | ug/Kg     |
| 117-81-7          | Bis(2-ethylhexyl)phthalate | 3200   |           | 160    | 230 | 300        | ug/Kg     |
| 117-84-0          | Di-n-octyl phthalate       | 3300   |           | 190    | 470 | 580        | ug/Kg     |
| 205-99-2          | Benzo(b)fluoranthene       | 3000   |           | 140    | 230 | 300        | ug/Kg     |
| 207-08-9          | Benzo(k)fluoranthene       | 3100   |           | 140    | 230 | 300        | ug/Kg     |
| 50-32-8           | Benzo(a)pyrene             | 3100   |           | 160    | 230 | 300        | ug/Kg     |
| 193-39-5          | Indeno(1,2,3-cd)pyrene     | 2800   |           | 140    | 230 | 300        | ug/Kg     |
| 53-70-3           | Dibenzo(a,h)anthracene     | 2700   |           | 140    | 230 | 300        | ug/Kg     |
| 191-24-2          | Benzo(g,h,i)perylene       | 2500   |           | 140    | 230 | 300        | ug/Kg     |
| 95-94-3           | 1,2,4,5-Tetrachlorobenzene | 3100   |           | 150    | 230 | 300        | ug/Kg     |
| 123-91-1          | 1,4-Dioxane                | 2300   |           | 190    | 230 | 300        | ug/Kg     |
| 58-90-2           | 2,3,4,6-Tetrachlorophenol  | 3300   |           | 130    | 230 | 300        | ug/Kg     |
| 90-12-0           | 1-Methylnaphthalene        | 2700   |           | 150    | 300 | 300        | ug/Kg     |
| <b>SURROGATES</b> |                            |        |           |        |     |            |           |
| 367-12-4          | 2-Fluorophenol             | 95.822 |           | 18-112 |     | 64         | SPK: -150 |
| 13127-88-3        | Phenol-d6                  | 92.365 |           | 15-107 |     | 62         | SPK: -150 |
| 4165-60-0         | Nitrobenzene-d5            | 59.629 |           | 18-107 |     | 60         | SPK: -100 |
| 321-60-8          | 2-Fluorobiphenyl           | 54.061 |           | 20-109 |     | 54         | SPK: -100 |

## Report of Analysis

|                    |                             |                 |                       |
|--------------------|-----------------------------|-----------------|-----------------------|
| Client:            |                             | Date Collected: | 8/19/2024 12:00:00 AM |
| Project:           |                             | Date Received:  | 8/19/2024 12:00:00 AM |
| Client Sample ID:  | S-928-K1-SO-0.5-1-081924MSD | SDG No.:        | BM082224              |
| Lab Sample ID:     | P3671-10MSD                 | Matrix:         | Solid                 |
| Analytical Method: | 8270E                       | % Moisture:     | 42.8                  |
| Sample Wt/Vol:     | 30.06      Units:    g      | Final Vol:      | 1000              uL  |
| Soil Aliquot Vol:  | uL                          | Test:           |                       |
| Extraction Type :  | Decanted :                  | Level :         | LOW                   |
| Injection Volume : | GPC Factor :                | GPC Cleanup :   | PH :                  |

|                   |           |                       |                       |               |
|-------------------|-----------|-----------------------|-----------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date             | Date Analyzed         | Prep Batch ID |
| BM047319.D        | 1         | 8/21/2024 12:00:00 AM | 8/22/2024 12:00:00 AM | PB162876      |

| CAS Number                | Parameter              | Conc.   | Qualifier | MDL    | LOD | LOQ / CRQL | Units     |
|---------------------------|------------------------|---------|-----------|--------|-----|------------|-----------|
| 118-79-6                  | 2,4,6-Tribromophenol   | 99.003  |           | 10-116 |     | 66         | SPK: -150 |
| 1718-51-0                 | Terphenyl-d14          | 60.599  |           | 10-105 |     | 61         | SPK: -100 |
| <b>INTERNAL STANDARDS</b> |                        |         |           |        |     |            |           |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4 | 265079  | 7.351     |        |     |            |           |
| 1146-65-2                 | Naphthalene-d8         | 1032290 | 10.104    |        |     |            |           |
| 15067-26-2                | Acenaphthene-d10       | 681146  | 14.016    |        |     |            |           |
| 1517-22-2                 | Phenanthrene-d10       | 1434686 | 16.78     |        |     |            |           |
| 1719-03-5                 | Chrysene-d12           | 1216241 | 21.021    |        |     |            |           |
| 1520-96-3                 | Perylene-d12           | 1268089 | 23.709    |        |     |            |           |

## Report of Analysis

|                    |                          |                 |                       |
|--------------------|--------------------------|-----------------|-----------------------|
| Client:            |                          | Date Collected: | 8/19/2024 12:00:00 AM |
| Project:           |                          | Date Received:  | 8/19/2024 12:00:00 AM |
| Client Sample ID:  | S-911-K1-SO-0-0.5-081924 | SDG No.:        | BM082224              |
| Lab Sample ID:     | P3671-03                 | Matrix:         | Solid                 |
| Analytical Method: | 8270E                    | % Moisture:     | 53.1                  |
| Sample Wt/Vol:     | 30.05                    | 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 |
| BM047320.D        | 1         | 8/21/2024 12:00:00 AM | 8/22/2024 12:00:00 AM | PB162876      |

| CAS Number     | Parameter                   | Conc. | Qualifier | MDL  | LOD | LOQ / CRQL | Units |
|----------------|-----------------------------|-------|-----------|------|-----|------------|-------|
| <b>TARGETS</b> |                             |       |           |      |     |            |       |
| 62-75-9        | n-Nitrosodimethylamine      | 180   | U         | 180  | 570 | 700        | ug/Kg |
| 110-86-1       | Pyridine                    | 170   | U         | 170  | 280 | 360        | ug/Kg |
| 100-52-7       | Benzaldehyde                | 390   | U         | 390  | 570 | 700        | ug/Kg |
| 62-53-3        | Aniline                     | 210   | U         | 210  | 280 | 360        | ug/Kg |
| 108-95-2       | Phenol                      | 180   | U         | 180  | 280 | 360        | ug/Kg |
| 111-44-4       | bis(2-Chloroethyl)ether     | 180   | U         | 180  | 280 | 360        | ug/Kg |
| 95-57-8        | 2-Chlorophenol              | 180   | U         | 180  | 280 | 360        | ug/Kg |
| 95-50-1        | 1,2-Dichlorobenzene         | 180   | U         | 180  | 280 | 360        | ug/Kg |
| 541-73-1       | 1,3-Dichlorobenzene         | 180   | U         | 180  | 280 | 360        | ug/Kg |
| 106-46-7       | 1,4-Dichlorobenzene         | 180   | U         | 180  | 280 | 360        | ug/Kg |
| 100-51-6       | Benzyl Alcohol              | 180   | U         | 180  | 570 | 700        | ug/Kg |
| 95-48-7        | 2-Methylphenol              | 170   | U         | 170  | 280 | 360        | ug/Kg |
| 108-60-1       | 2,2-oxybis(1-Chloropropane) | 190   | U         | 190  | 280 | 360        | ug/Kg |
| 98-86-2        | Acetophenone                | 180   | U         | 180  | 280 | 360        | ug/Kg |
| 65794-96-9     | 3+4-Methylphenols           | 170   | U         | 170  | 570 | 700        | ug/Kg |
| 621-64-7       | n-Nitroso-di-n-propylamine  | 85.8  | U         | 85.8 | 170 | 170        | ug/Kg |
| 67-72-1        | Hexachloroethane            | 180   | U         | 180  | 280 | 360        | ug/Kg |
| 98-95-3        | Nitrobenzene                | 190   | U         | 190  | 280 | 360        | ug/Kg |
| 78-59-1        | Isophorone                  | 180   | U         | 180  | 280 | 360        | ug/Kg |
| 88-75-5        | 2-Nitrophenol               | 200   | U         | 200  | 280 | 360        | ug/Kg |
| 105-67-9       | 2,4-Dimethylphenol          | 200   | U         | 200  | 280 | 360        | ug/Kg |
| 111-91-1       | bis(2-Chloroethoxy)methane  | 180   | U         | 180  | 280 | 360        | ug/Kg |
| 120-83-2       | 2,4-Dichlorophenol          | 160   | U         | 160  | 280 | 360        | ug/Kg |
| 120-82-1       | 1,2,4-Trichlorobenzene      | 180   | U         | 180  | 280 | 360        | ug/Kg |
| 65-85-0        | Benzoic acid                | 500   | U         | 500  | 570 | 700        | ug/Kg |
| 91-20-3        | Naphthalene                 | 180   | U         | 180  | 280 | 360        | ug/Kg |
| 106-47-8       | 4-Chloroaniline             | 180   | U         | 180  | 280 | 360        | ug/Kg |
| 87-68-3        | Hexachlorobutadiene         | 180   | U         | 180  | 280 | 360        | ug/Kg |

## Report of Analysis

|                    |                          |                 |                       |
|--------------------|--------------------------|-----------------|-----------------------|
| Client:            |                          | Date Collected: | 8/19/2024 12:00:00 AM |
| Project:           |                          | Date Received:  | 8/19/2024 12:00:00 AM |
| Client Sample ID:  | S-911-K1-SO-0-0.5-081924 | SDG No.:        | BM082224              |
| Lab Sample ID:     | P3671-03                 | Matrix:         | Solid                 |
| Analytical Method: | 8270E                    | % Moisture:     | 53.1                  |
| Sample Wt/Vol:     | 30.05      Units:    g   | Final Vol:      | 1000              uL  |
| Soil Aliquot Vol:  | uL                       | Test:           |                       |
| Extraction Type :  | Decanted :               | Level :         | LOW                   |
| Injection Volume : | GPC Factor :             | GPC Cleanup :   | PH :                  |

|                   |           |                       |                       |               |
|-------------------|-----------|-----------------------|-----------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date             | Date Analyzed         | Prep Batch ID |
| BM047320.D        | 1         | 8/21/2024 12:00:00 AM | 8/22/2024 12:00:00 AM | PB162876      |

| CAS Number | Parameter                                       | Conc. | Qualifier | MDL  | LOD | LOQ / CRQL | Units |
|------------|-------------------------------------------------|-------|-----------|------|-----|------------|-------|
| 105-60-2   | Caprolactam                                     | 180   | U         | 180  | 570 | 700        | ug/Kg |
| 59-50-7    | 4-Chloro-3-methylphenol                         | 160   | U         | 160  | 280 | 360        | ug/Kg |
| 91-57-6    | 2-Methylnaphthalene                             | 180   | U         | 180  | 280 | 360        | ug/Kg |
| 77-47-4    | Hexachlorocyclopentadiene                       | 330   | U         | 330  | 570 | 700        | ug/Kg |
| 88-06-2    | 2,4,6-Trichlorophenol                           | 150   | U         | 150  | 280 | 360        | ug/Kg |
| 95-95-4    | 2,4,5-Trichlorophenol                           | 160   | U         | 160  | 280 | 360        | ug/Kg |
| 92-52-4    | 1,1-Biphenyl                                    | 190   | U         | 190  | 280 | 360        | ug/Kg |
| 91-58-7    | 2-Chloronaphthalene                             | 180   | U         | 180  | 280 | 360        | ug/Kg |
| 88-74-4    | 2-Nitroaniline                                  | 200   | U         | 200  | 280 | 360        | ug/Kg |
| 131-11-3   | Dimethylphthalate                               | 170   | U         | 170  | 280 | 360        | ug/Kg |
| 208-96-8   | Acenaphthylene                                  | 180   | U         | 180  | 280 | 360        | ug/Kg |
| 606-20-2   | 2,6-Dinitrotoluene                              | 180   | U         | 180  | 280 | 360        | ug/Kg |
| 99-09-2    | 3-Nitroaniline                                  | 190   | U         | 190  | 280 | 360        | ug/Kg |
| 83-32-9    | Acenaphthene                                    | 170   | U         | 170  | 280 | 360        | ug/Kg |
| Total PAH  | Total PAH                                       | 2820  | U         | 2820 | 280 | 5760       | ug/Kg |
| 51-28-5    | 2,4-Dinitrophenol                               | 520   | U         | 520  | 570 | 700        | ug/Kg |
| 100-02-7   | 4-Nitrophenol                                   | 250   | U         | 250  | 570 | 700        | ug/Kg |
| 132-64-9   | Dibenzofuran                                    | 180   | U         | 180  | 280 | 360        | ug/Kg |
| 25321-14-6 | 2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture) | 360   | U         | 360  | 280 | 720        | ug/Kg |
| 121-14-2   | 2,4-Dinitrotoluene                              | 180   | U         | 180  | 280 | 360        | ug/Kg |
| 84-66-2    | Diethylphthalate                                | 170   | U         | 170  | 280 | 360        | ug/Kg |
| 7005-72-3  | 4-Chlorophenyl-phenylether                      | 180   | U         | 180  | 280 | 360        | ug/Kg |
| 86-73-7    | Fluorene                                        | 180   | U         | 180  | 280 | 360        | ug/Kg |
| 100-01-6   | 4-Nitroaniline                                  | 230   | U         | 230  | 280 | 360        | ug/Kg |
| 534-52-1   | 4,6-Dinitro-2-methylphenol                      | 250   | U         | 250  | 570 | 700        | ug/Kg |
| 86-30-6    | n-Nitrosodiphenylamine                          | 170   | U         | 170  | 280 | 360        | ug/Kg |
| 103-33-3   | Azobenzene                                      | 170   | U         | 170  | 280 | 360        | ug/Kg |
| 101-55-3   | 4-Bromophenyl-phenylether                       | 170   | U         | 170  | 280 | 360        | ug/Kg |
| 118-74-1   | Hexachlorobenzene                               | 180   | U         | 180  | 280 | 360        | ug/Kg |
| 1912-24-9  | Atrazine                                        | 190   | U         | 190  | 280 | 360        | ug/Kg |

## Report of Analysis

|                    |                          |                 |                       |
|--------------------|--------------------------|-----------------|-----------------------|
| Client:            |                          | Date Collected: | 8/19/2024 12:00:00 AM |
| Project:           |                          | Date Received:  | 8/19/2024 12:00:00 AM |
| Client Sample ID:  | S-911-K1-SO-0-0.5-081924 | SDG No.:        | BM082224              |
| Lab Sample ID:     | P3671-03                 | Matrix:         | Solid                 |
| Analytical Method: | 8270E                    | % Moisture:     | 53.1                  |
| Sample Wt/Vol:     | 30.05      Units:    g   | Final Vol:      | 1000              uL  |
| Soil Aliquot Vol:  | uL                       | Test:           |                       |
| Extraction Type :  | Decanted :               | Level :         | LOW                   |
| Injection Volume : | GPC Factor :             | GPC Cleanup :   | PH :                  |

|                   |           |                       |                       |               |
|-------------------|-----------|-----------------------|-----------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date             | Date Analyzed         | Prep Batch ID |
| BM047320.D        | 1         | 8/21/2024 12:00:00 AM | 8/22/2024 12:00:00 AM | PB162876      |

| CAS Number        | Parameter                  | Conc.  | Qualifier | MDL    | LOD | LOQ / CRQL | Units     |
|-------------------|----------------------------|--------|-----------|--------|-----|------------|-----------|
| 87-86-5           | Pentachlorophenol          | 160    | U         | 160    | 570 | 700        | ug/Kg     |
| 85-01-8           | Phenanthrene               | 180    | U         | 180    | 280 | 360        | ug/Kg     |
| 120-12-7          | Anthracene                 | 180    | U         | 180    | 280 | 360        | ug/Kg     |
| 86-74-8           | Carbazole                  | 170    | U         | 170    | 280 | 360        | ug/Kg     |
| 84-74-2           | Di-n-butylphthalate        | 180    | U         | 180    | 280 | 360        | ug/Kg     |
| 206-44-0          | Fluoranthene               | 170    | U         | 170    | 280 | 360        | ug/Kg     |
| 92-87-5           | Benzidine                  | 350    | U         | 350    | 570 | 700        | ug/Kg     |
| 129-00-0          | Pyrene                     | 180    | U         | 180    | 280 | 360        | ug/Kg     |
| 85-68-7           | Butylbenzylphthalate       | 210    | U         | 210    | 280 | 360        | ug/Kg     |
| 91-94-1           | 3,3-Dichlorobenzidine      | 210    | U         | 210    | 570 | 700        | ug/Kg     |
| 56-55-3           | Benzo(a)anthracene         | 170    | U         | 170    | 280 | 360        | ug/Kg     |
| 218-01-9          | Chrysene                   | 170    | U         | 170    | 280 | 360        | ug/Kg     |
| 117-81-7          | Bis(2-ethylhexyl)phthalate | 190    | U         | 190    | 280 | 360        | ug/Kg     |
| 117-84-0          | Di-n-octyl phthalate       | 230    | U         | 230    | 570 | 700        | ug/Kg     |
| 205-99-2          | Benzo(b)fluoranthene       | 170    | U         | 170    | 280 | 360        | ug/Kg     |
| 207-08-9          | Benzo(k)fluoranthene       | 180    | U         | 180    | 280 | 360        | ug/Kg     |
| 50-32-8           | Benzo(a)pyrene             | 200    | U         | 200    | 280 | 360        | ug/Kg     |
| 193-39-5          | Indeno(1,2,3-cd)pyrene     | 170    | U         | 170    | 280 | 360        | ug/Kg     |
| 53-70-3           | Dibenzo(a,h)anthracene     | 170    | U         | 170    | 280 | 360        | ug/Kg     |
| 191-24-2          | Benzo(g,h,i)perylene       | 170    | U         | 170    | 280 | 360        | ug/Kg     |
| 95-94-3           | 1,2,4,5-Tetrachlorobenzene | 180    | U         | 180    | 280 | 360        | ug/Kg     |
| 123-91-1          | 1,4-Dioxane                | 230    | U         | 230    | 280 | 360        | ug/Kg     |
| 58-90-2           | 2,3,4,6-Tetrachlorophenol  | 160    | U         | 160    | 280 | 360        | ug/Kg     |
| 90-12-0           | 1-Methylnaphthalene        | 180    | U         | 180    | 360 | 360        | ug/Kg     |
| <b>SURROGATES</b> |                            |        |           |        |     |            |           |
| 367-12-4          | 2-Fluorophenol             | 74.924 |           | 18-112 |     | 50         | SPK: -150 |
| 13127-88-3        | Phenol-d6                  | 73.314 |           | 15-107 |     | 49         | SPK: -150 |
| 4165-60-0         | Nitrobenzene-d5            | 49.225 |           | 18-107 |     | 49         | SPK: -100 |
| 321-60-8          | 2-Fluorobiphenyl           | 48.675 |           | 20-109 |     | 49         | SPK: -100 |

## Report of Analysis

|                    |                          |                 |                       |
|--------------------|--------------------------|-----------------|-----------------------|
| Client:            |                          | Date Collected: | 8/19/2024 12:00:00 AM |
| Project:           |                          | Date Received:  | 8/19/2024 12:00:00 AM |
| Client Sample ID:  | S-911-K1-SO-0-0.5-081924 | SDG No.:        | BM082224              |
| Lab Sample ID:     | P3671-03                 | Matrix:         | Solid                 |
| Analytical Method: | 8270E                    | % Moisture:     | 53.1                  |
| Sample Wt/Vol:     | 30.05                    | 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 |
| BM047320.D        | 1         | 8/21/2024 12:00:00 AM | 8/22/2024 12:00:00 AM | PB162876      |

| CAS Number                            | Parameter                          | Conc.   | Qualifier | MDL    | LOD | LOQ / CRQL | Units     |
|---------------------------------------|------------------------------------|---------|-----------|--------|-----|------------|-----------|
| 118-79-6                              | 2,4,6-Tribromophenol               | 83.776  |           | 10-116 |     | 56         | SPK: -150 |
| 1718-51-0                             | Terphenyl-d14                      | 56.037  |           | 10-105 |     | 56         | SPK: -100 |
| <b>INTERNAL STANDARDS</b>             |                                    |         |           |        |     |            |           |
| 3855-82-1                             | 1,4-Dichlorobenzene-d4             | 309540  | 7.351     |        |     |            |           |
| 1146-65-2                             | Naphthalene-d8                     | 1172567 | 10.104    |        |     |            |           |
| 15067-26-2                            | Acenaphthene-d10                   | 767719  | 14.01     |        |     |            |           |
| 1517-22-2                             | Phenanthrene-d10                   | 1594337 | 16.774    |        |     |            |           |
| 1719-03-5                             | Chrysene-d12                       | 1299711 | 21.015    |        |     |            |           |
| 1520-96-3                             | Perylene-d12                       | 1239809 | 23.709    |        |     |            |           |
| <b>TENTATIVE IDENTIFIED COMPOUNDS</b> |                                    |         |           |        |     |            |           |
| 000057-55-6                           | Propylene Glycol                   | 220     | J         |        |     | 3.258      |           |
| 000123-42-2                           | 2-Pentanone, 4-hydroxy-4-methyl-   | 250     | A         |        |     | 4.563      |           |
| 000470-82-6                           | Eucalyptol                         | 1600    | J         |        |     | 7.651      |           |
| 034995-77-2                           | trans-Linalool oxide (furanoid)    | 170     | J         |        |     | 8.21       |           |
| 030021-74-0                           | .gamma.-Muurolene                  | 290     | J         |        |     | 14.269     |           |
| 000483-78-3                           | Naphthalene, 1,6-dimethyl-4-(1-met | 200     | J         |        |     | 15.763     |           |
|                                       | unknown16.986                      | 260     | J         |        |     | 16.986     |           |
| 002649-64-1                           | (3S,3aS,6R,7R,9aS)-1,1,7-Trimethyl | 630     | J         |        |     | 17.539     |           |
| 017435-72-2                           | Ethyl 2-(bromomethyl)acrylate      | 470     | J         |        |     | 17.68      |           |
| 000057-10-3                           | n-Hexadecanoic acid                | 350     | J         |        |     | 17.715     |           |
| 000057-11-4                           | Octadecanoic acid                  | 220     | J         |        |     | 19.015     |           |
| 000528-43-8                           | Magnolol                           | 200     | J         |        |     | 19.368     |           |
|                                       | unknown19.592                      | 250     | J         |        |     | 19.592     |           |
| 1010188-44-2                          | Cyclopenta[d]anthracene-8,11-dione | 220     | J         |        |     | 19.892     |           |
| 015594-90-8                           | 1-Heneicosanol                     | 1200    | J         |        |     | 20.751     |           |
| 001454-84-8                           | n-Nonadecanol-1                    | 2100    | J         |        |     | 21.762     |           |
| 000630-01-3                           | Hexacosane                         | 480     | J         |        |     | 22.974     |           |
| 018835-33-1                           | 1-Hexacosene                       | 740     | J         |        |     | 23.039     |           |
| 000629-92-5                           | Nonadecane                         | 360     | J         |        |     | 24.656     |           |

## Report of Analysis

|                    |                          |                 |                       |
|--------------------|--------------------------|-----------------|-----------------------|
| Client:            |                          | Date Collected: | 8/19/2024 12:00:00 AM |
| Project:           |                          | Date Received:  | 8/19/2024 12:00:00 AM |
| Client Sample ID:  | S-911-K1-SO-0-0.5-081924 | SDG No.:        | BM082224              |
| Lab Sample ID:     | P3671-03                 | Matrix:         | Solid                 |
| Analytical Method: | 8270E                    | % Moisture:     | 53.1                  |
| Sample Wt/Vol:     | 30.05      Units:    g   | Final Vol:      | 1000              uL  |
| Soil Aliquot Vol:  | uL                       | Test:           |                       |
| Extraction Type :  | Decanted :               | Level :         | LOW                   |
| Injection Volume : | GPC Factor :             | GPC Cleanup :   | PH :                  |

|                   |           |                       |                       |               |
|-------------------|-----------|-----------------------|-----------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date             | Date Analyzed         | Prep Batch ID |
| BM047320.D        | 1         | 8/21/2024 12:00:00 AM | 8/22/2024 12:00:00 AM | PB162876      |

| CAS Number  | Parameter         | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|-------------|-------------------|-------|-----------|-----|-----|------------|-------|
| 018206-97-8 | Octacosyl acetate | 820   | J         |     |     | 24.774     |       |

## Report of Analysis

|                    |                          |                 |                       |
|--------------------|--------------------------|-----------------|-----------------------|
| Client:            |                          | Date Collected: | 8/19/2024 12:00:00 AM |
| Project:           |                          | Date Received:  | 8/19/2024 12:00:00 AM |
| Client Sample ID:  | S-911-K1-SO-0.5-1-081924 | SDG No.:        | BM082224              |
| Lab Sample ID:     | P3671-04                 | Matrix:         | Solid                 |
| Analytical Method: | 8270E                    | % Moisture:     | 44                    |
| Sample Wt/Vol:     | 30.06                    | 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 |
| BM047321.D        | 1         | 8/21/2024 12:00:00 AM | 8/22/2024 12:00:00 AM | PB162876      |

| CAS Number     | Parameter                   | Conc. | Qualifier | MDL  | LOD | LOQ / CRQL | Units |
|----------------|-----------------------------|-------|-----------|------|-----|------------|-------|
| <b>TARGETS</b> |                             |       |           |      |     |            |       |
| 62-75-9        | n-Nitrosodimethylamine      | 150   | U         | 150  | 480 | 590        | ug/Kg |
| 110-86-1       | Pyridine                    | 140   | U         | 140  | 230 | 300        | ug/Kg |
| 100-52-7       | Benzaldehyde                | 320   | U         | 320  | 480 | 590        | ug/Kg |
| 62-53-3        | Aniline                     | 170   | U         | 170  | 230 | 300        | ug/Kg |
| 108-95-2       | Phenol                      | 150   | U         | 150  | 230 | 300        | ug/Kg |
| 111-44-4       | bis(2-Chloroethyl)ether     | 150   | U         | 150  | 230 | 300        | ug/Kg |
| 95-57-8        | 2-Chlorophenol              | 150   | U         | 150  | 230 | 300        | ug/Kg |
| 95-50-1        | 1,2-Dichlorobenzene         | 150   | U         | 150  | 230 | 300        | ug/Kg |
| 541-73-1       | 1,3-Dichlorobenzene         | 150   | U         | 150  | 230 | 300        | ug/Kg |
| 106-46-7       | 1,4-Dichlorobenzene         | 150   | U         | 150  | 230 | 300        | ug/Kg |
| 100-51-6       | Benzyl Alcohol              | 150   | U         | 150  | 480 | 590        | ug/Kg |
| 95-48-7        | 2-Methylphenol              | 140   | U         | 140  | 230 | 300        | ug/Kg |
| 108-60-1       | 2,2-oxybis(1-Chloropropane) | 160   | U         | 160  | 230 | 300        | ug/Kg |
| 98-86-2        | Acetophenone                | 150   | U         | 150  | 230 | 300        | ug/Kg |
| 65794-96-9     | 3+4-Methylphenols           | 140   | U         | 140  | 480 | 590        | ug/Kg |
| 621-64-7       | n-Nitroso-di-n-propylamine  | 71.8  | U         | 71.8 | 140 | 140        | ug/Kg |
| 67-72-1        | Hexachloroethane            | 150   | U         | 150  | 230 | 300        | ug/Kg |
| 98-95-3        | Nitrobenzene                | 160   | U         | 160  | 230 | 300        | ug/Kg |
| 78-59-1        | Isophorone                  | 150   | U         | 150  | 230 | 300        | ug/Kg |
| 88-75-5        | 2-Nitrophenol               | 170   | U         | 170  | 230 | 300        | ug/Kg |
| 105-67-9       | 2,4-Dimethylphenol          | 170   | U         | 170  | 230 | 300        | ug/Kg |
| 111-91-1       | bis(2-Chloroethoxy)methane  | 150   | U         | 150  | 230 | 300        | ug/Kg |
| 120-83-2       | 2,4-Dichlorophenol          | 130   | U         | 130  | 230 | 300        | ug/Kg |
| 120-82-1       | 1,2,4-Trichlorobenzene      | 150   | U         | 150  | 230 | 300        | ug/Kg |
| 65-85-0        | Benzoic acid                | 420   | U         | 420  | 480 | 590        | ug/Kg |
| 91-20-3        | Naphthalene                 | 150   | U         | 150  | 230 | 300        | ug/Kg |
| 106-47-8       | 4-Chloroaniline             | 150   | U         | 150  | 230 | 300        | ug/Kg |
| 87-68-3        | Hexachlorobutadiene         | 150   | U         | 150  | 230 | 300        | ug/Kg |

## Report of Analysis

|                    |                          |                 |                       |
|--------------------|--------------------------|-----------------|-----------------------|
| Client:            |                          | Date Collected: | 8/19/2024 12:00:00 AM |
| Project:           |                          | Date Received:  | 8/19/2024 12:00:00 AM |
| Client Sample ID:  | S-911-K1-SO-0.5-1-081924 | SDG No.:        | BM082224              |
| Lab Sample ID:     | P3671-04                 | Matrix:         | Solid                 |
| Analytical Method: | 8270E                    | % Moisture:     | 44                    |
| Sample Wt/Vol:     | 30.06                    | 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 |
| BM047321.D        | 1         | 8/21/2024 12:00:00 AM | 8/22/2024 12:00:00 AM | PB162876      |

| CAS Number | Parameter                                       | Conc. | Qualifier | MDL  | LOD | LOQ / CRQL | Units |
|------------|-------------------------------------------------|-------|-----------|------|-----|------------|-------|
| 105-60-2   | Caprolactam                                     | 150   | U         | 150  | 480 | 590        | ug/Kg |
| 59-50-7    | 4-Chloro-3-methylphenol                         | 140   | U         | 140  | 230 | 300        | ug/Kg |
| 91-57-6    | 2-Methylnaphthalene                             | 150   | U         | 150  | 230 | 300        | ug/Kg |
| 77-47-4    | Hexachlorocyclopentadiene                       | 280   | U         | 280  | 480 | 590        | ug/Kg |
| 88-06-2    | 2,4,6-Trichlorophenol                           | 130   | U         | 130  | 230 | 300        | ug/Kg |
| 95-95-4    | 2,4,5-Trichlorophenol                           | 130   | U         | 130  | 230 | 300        | ug/Kg |
| 92-52-4    | 1,1-Biphenyl                                    | 160   | U         | 160  | 230 | 300        | ug/Kg |
| 91-58-7    | 2-Chloronaphthalene                             | 150   | U         | 150  | 230 | 300        | ug/Kg |
| 88-74-4    | 2-Nitroaniline                                  | 170   | U         | 170  | 230 | 300        | ug/Kg |
| 131-11-3   | Dimethylphthalate                               | 150   | U         | 150  | 230 | 300        | ug/Kg |
| 208-96-8   | Acenaphthylene                                  | 150   | U         | 150  | 230 | 300        | ug/Kg |
| 606-20-2   | 2,6-Dinitrotoluene                              | 150   | U         | 150  | 230 | 300        | ug/Kg |
| 99-09-2    | 3-Nitroaniline                                  | 160   | U         | 160  | 230 | 300        | ug/Kg |
| 83-32-9    | Acenaphthene                                    | 140   | U         | 140  | 230 | 300        | ug/Kg |
| Total PAH  | Total PAH                                       | 2350  | U         | 2350 | 230 | 4800       | ug/Kg |
| 51-28-5    | 2,4-Dinitrophenol                               | 430   | U         | 430  | 480 | 590        | ug/Kg |
| 100-02-7   | 4-Nitrophenol                                   | 210   | U         | 210  | 480 | 590        | ug/Kg |
| 132-64-9   | Dibenzofuran                                    | 150   | U         | 150  | 230 | 300        | ug/Kg |
| 121-14-2   | 2,4-Dinitrotoluene                              | 150   | U         | 150  | 230 | 300        | ug/Kg |
| 25321-14-6 | 2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture) | 300   | U         | 300  | 230 | 600        | ug/Kg |
| 84-66-2    | Diethylphthalate                                | 140   | U         | 140  | 230 | 300        | ug/Kg |
| 7005-72-3  | 4-Chlorophenyl-phenylether                      | 150   | U         | 150  | 230 | 300        | ug/Kg |
| 86-73-7    | Fluorene                                        | 150   | U         | 150  | 230 | 300        | ug/Kg |
| 100-01-6   | 4-Nitroaniline                                  | 190   | U         | 190  | 230 | 300        | ug/Kg |
| 534-52-1   | 4,6-Dinitro-2-methylphenol                      | 210   | U         | 210  | 480 | 590        | ug/Kg |
| 86-30-6    | n-Nitrosodiphenylamine                          | 150   | U         | 150  | 230 | 300        | ug/Kg |
| 103-33-3   | Azobenzene                                      | 140   | U         | 140  | 230 | 300        | ug/Kg |
| 101-55-3   | 4-Bromophenyl-phenylether                       | 140   | U         | 140  | 230 | 300        | ug/Kg |
| 118-74-1   | Hexachlorobenzene                               | 150   | U         | 150  | 230 | 300        | ug/Kg |
| 1912-24-9  | Atrazine                                        | 160   | U         | 160  | 230 | 300        | ug/Kg |

## Report of Analysis

|                    |                          |                 |                       |
|--------------------|--------------------------|-----------------|-----------------------|
| Client:            |                          | Date Collected: | 8/19/2024 12:00:00 AM |
| Project:           |                          | Date Received:  | 8/19/2024 12:00:00 AM |
| Client Sample ID:  | S-911-K1-SO-0.5-1-081924 | SDG No.:        | BM082224              |
| Lab Sample ID:     | P3671-04                 | Matrix:         | Solid                 |
| Analytical Method: | 8270E                    | % Moisture:     | 44                    |
| Sample Wt/Vol:     | 30.06      Units:    g   | Final Vol:      | 1000              uL  |
| Soil Aliquot Vol:  | uL                       | Test:           |                       |
| Extraction Type :  | Decanted :               | Level :         | LOW                   |
| Injection Volume : | GPC Factor :             | GPC Cleanup :   | PH :                  |

|                   |           |                       |                       |               |
|-------------------|-----------|-----------------------|-----------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date             | Date Analyzed         | Prep Batch ID |
| BM047321.D        | 1         | 8/21/2024 12:00:00 AM | 8/22/2024 12:00:00 AM | PB162876      |

| CAS Number        | Parameter                  | Conc.  | Qualifier | MDL    | LOD | LOQ / CRQL | Units     |
|-------------------|----------------------------|--------|-----------|--------|-----|------------|-----------|
| 87-86-5           | Pentachlorophenol          | 140    | U         | 140    | 480 | 590        | ug/Kg     |
| 85-01-8           | Phenanthrene               | 150    | U         | 150    | 230 | 300        | ug/Kg     |
| 120-12-7          | Anthracene                 | 150    | U         | 150    | 230 | 300        | ug/Kg     |
| 86-74-8           | Carbazole                  | 140    | U         | 140    | 230 | 300        | ug/Kg     |
| 84-74-2           | Di-n-butylphthalate        | 150    | U         | 150    | 230 | 300        | ug/Kg     |
| 206-44-0          | Fluoranthene               | 150    | U         | 150    | 230 | 300        | ug/Kg     |
| 92-87-5           | Benzidine                  | 290    | U         | 290    | 480 | 590        | ug/Kg     |
| 129-00-0          | Pyrene                     | 150    | U         | 150    | 230 | 300        | ug/Kg     |
| 85-68-7           | Butylbenzylphthalate       | 170    | U         | 170    | 230 | 300        | ug/Kg     |
| 91-94-1           | 3,3-Dichlorobenzidine      | 180    | U         | 180    | 480 | 590        | ug/Kg     |
| 56-55-3           | Benzo(a)anthracene         | 140    | U         | 140    | 230 | 300        | ug/Kg     |
| 218-01-9          | Chrysene                   | 140    | U         | 140    | 230 | 300        | ug/Kg     |
| 117-81-7          | Bis(2-ethylhexyl)phthalate | 160    | U         | 160    | 230 | 300        | ug/Kg     |
| 117-84-0          | Di-n-octyl phthalate       | 200    | U         | 200    | 480 | 590        | ug/Kg     |
| 205-99-2          | Benzo(b)fluoranthene       | 140    | U         | 140    | 230 | 300        | ug/Kg     |
| 207-08-9          | Benzo(k)fluoranthene       | 150    | U         | 150    | 230 | 300        | ug/Kg     |
| 50-32-8           | Benzo(a)pyrene             | 170    | U         | 170    | 230 | 300        | ug/Kg     |
| 193-39-5          | Indeno(1,2,3-cd)pyrene     | 140    | U         | 140    | 230 | 300        | ug/Kg     |
| 53-70-3           | Dibenzo(a,h)anthracene     | 140    | U         | 140    | 230 | 300        | ug/Kg     |
| 191-24-2          | Benzo(g,h,i)perylene       | 140    | U         | 140    | 230 | 300        | ug/Kg     |
| 95-94-3           | 1,2,4,5-Tetrachlorobenzene | 150    | U         | 150    | 230 | 300        | ug/Kg     |
| 123-91-1          | 1,4-Dioxane                | 200    | U         | 200    | 230 | 300        | ug/Kg     |
| 58-90-2           | 2,3,4,6-Tetrachlorophenol  | 130    | U         | 130    | 230 | 300        | ug/Kg     |
| 90-12-0           | 1-Methylnaphthalene        | 150    | U         | 150    | 300 | 300        | ug/Kg     |
| <b>SURROGATES</b> |                            |        |           |        |     |            |           |
| 367-12-4          | 2-Fluorophenol             | 72.951 |           | 18-112 |     | 49         | SPK: -150 |
| 13127-88-3        | Phenol-d6                  | 72.626 |           | 15-107 |     | 48         | SPK: -150 |
| 4165-60-0         | Nitrobenzene-d5            | 48.941 |           | 18-107 |     | 49         | SPK: -100 |
| 321-60-8          | 2-Fluorobiphenyl           | 46.217 |           | 20-109 |     | 46         | SPK: -100 |

## Report of Analysis

|                    |                          |                 |                       |
|--------------------|--------------------------|-----------------|-----------------------|
| Client:            |                          | Date Collected: | 8/19/2024 12:00:00 AM |
| Project:           |                          | Date Received:  | 8/19/2024 12:00:00 AM |
| Client Sample ID:  | S-911-K1-SO-0.5-1-081924 | SDG No.:        | BM082224              |
| Lab Sample ID:     | P3671-04                 | Matrix:         | Solid                 |
| Analytical Method: | 8270E                    | % Moisture:     | 44                    |
| Sample Wt/Vol:     | 30.06                    | 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 |
| BM047321.D        | 1         | 8/21/2024 12:00:00 AM | 8/22/2024 12:00:00 AM | PB162876      |

| CAS Number                            | Parameter                          | Conc.   | Qualifier | MDL    | LOD | LOQ / CRQL | Units     |
|---------------------------------------|------------------------------------|---------|-----------|--------|-----|------------|-----------|
| 118-79-6                              | 2,4,6-Tribromophenol               | 80.658  |           | 10-116 |     | 54         | SPK: -150 |
| 1718-51-0                             | Terphenyl-d14                      | 49.304  |           | 10-105 |     | 49         | SPK: -100 |
| <b>INTERNAL STANDARDS</b>             |                                    |         |           |        |     |            |           |
| 3855-82-1                             | 1,4-Dichlorobenzene-d4             | 278538  | 7.351     |        |     |            |           |
| 1146-65-2                             | Naphthalene-d8                     | 1071089 | 10.104    |        |     |            |           |
| 15067-26-2                            | Acenaphthene-d10                   | 711312  | 14.01     |        |     |            |           |
| 1517-22-2                             | Phenanthrene-d10                   | 1465594 | 16.774    |        |     |            |           |
| 1719-03-5                             | Chrysene-d12                       | 1283781 | 21.015    |        |     |            |           |
| 1520-96-3                             | Perylene-d12                       | 1217788 | 23.709    |        |     |            |           |
| <b>TENTATIVE IDENTIFIED COMPOUNDS</b> |                                    |         |           |        |     |            |           |
| 000057-55-6                           | Propylene Glycol                   | 170     | J         |        |     | 3.257      |           |
| 000123-42-2                           | 2-Pentanone, 4-hydroxy-4-methyl-   | 210     | A         |        |     | 4.563      |           |
| 000470-82-6                           | Eucalyptol                         | 960     | J         |        |     | 7.651      |           |
| 000770-35-4                           | 1-Phenoxypropan-2-ol               | 200     | J         |        |     | 10.869     |           |
| 039029-41-9                           | Naphthalene, 1,2,3,4,4a,5,6,8a-oct | 240     | J         |        |     | 14.269     |           |
| 006040-45-5                           | photocitral B                      | 170     | J         |        |     | 16.98      |           |
| 002649-64-1                           | (3S,3aS,6R,7R,9aS)-1,1,7-Trimethyl | 310     | J         |        |     | 17.539     |           |
|                                       | unknown17.680                      | 310     | J         |        |     | 17.68      |           |
| 000057-10-3                           | n-Hexadecanoic acid                | 290     | J         |        |     | 17.715     |           |
| 000057-11-4                           | Octadecanoic acid                  | 130     | J         |        |     | 19.015     |           |
| 015594-90-8                           | 1-Heneicosanol                     | 940     | J         |        |     | 20.75      |           |
| 000112-85-6                           | Docosanoic acid                    | 160     | J         |        |     | 21.074     |           |
| 077899-03-7                           | 1-Heneicosyl formate               | 1500    | J         |        |     | 21.762     |           |
| 000557-59-5                           | Tetracosanoic acid                 | 180     | J         |        |     | 22.156     |           |
| 000629-92-5                           | Nonadecane                         | 540     | J         |        |     | 22.98      |           |
| 000297-03-0                           | Cyclotetracosane                   | 730     | J         |        |     | 23.038     |           |
| 026627-85-0                           | Hexacosanal                        | 250     | J         |        |     | 24.168     |           |
| 054833-23-7                           | Eicosane, 10-methyl-               | 480     | J         |        |     | 24.662     |           |
| 002004-39-9                           | 1-Heptacosanol                     | 780     | J         |        |     | 24.779     |           |

## Report of Analysis

|                    |                          |                 |                       |
|--------------------|--------------------------|-----------------|-----------------------|
| Client:            |                          | Date Collected: | 8/19/2024 12:00:00 AM |
| Project:           |                          | Date Received:  | 8/19/2024 12:00:00 AM |
| Client Sample ID:  | S-911-K1-SO-0.5-1-081924 | SDG No.:        | BM082224              |
| Lab Sample ID:     | P3671-04                 | Matrix:         | Solid                 |
| Analytical Method: | 8270E                    | % Moisture:     | 44                    |
| Sample Wt/Vol:     | 30.06      Units:    g   | Final Vol:      | 1000              uL  |
| Soil Aliquot Vol:  | uL                       | Test:           |                       |
| Extraction Type :  | Decanted :               | Level :         | LOW                   |
| Injection Volume : | GPC Factor :             | GPC Cleanup :   | PH :                  |

|                   |           |                       |                       |               |
|-------------------|-----------|-----------------------|-----------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date             | Date Analyzed         | Prep Batch ID |
| BM047321.D        | 1         | 8/21/2024 12:00:00 AM | 8/22/2024 12:00:00 AM | PB162876      |

| CAS Number  | Parameter    | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|-------------|--------------|-------|-----------|-----|-----|------------|-------|
| 072934-03-3 | Heptacosanal | 460   | J         |     |     | 26.379     |       |

## Report of Analysis

|                    |                           |                 |                       |
|--------------------|---------------------------|-----------------|-----------------------|
| Client:            |                           | Date Collected: | 8/19/2024 12:00:00 AM |
| Project:           |                           | Date Received:  | 8/19/2024 12:00:00 AM |
| Client Sample ID:  | S-905-J-SO-0.5-1.0-081924 | SDG No.:        | BM082224              |
| Lab Sample ID:     | P3671-08                  | Matrix:         | Solid                 |
| Analytical Method: | 8270E                     | % Moisture:     | 18                    |
| Sample Wt/Vol:     | 30.06                     | 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 |
| BM047322.D        | 1         | 8/21/2024 12:00:00 AM | 8/22/2024 12:00:00 AM | PB162876      |

| CAS Number     | Parameter                   | Conc. | Qualifier | MDL  | LOD  | LOQ / CRQL | Units |
|----------------|-----------------------------|-------|-----------|------|------|------------|-------|
| <b>TARGETS</b> |                             |       |           |      |      |            |       |
| 62-75-9        | n-Nitrosodimethylamine      | 110   | U         | 110  | 330  | 400        | ug/Kg |
| 110-86-1       | Pyridine                    | 97.2  | U         | 97.2 | 160  | 210        | ug/Kg |
| 100-52-7       | Benzaldehyde                | 220   | U         | 220  | 330  | 400        | 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     | 100   | U         | 100  | 160  | 210        | ug/Kg |
| 95-57-8        | 2-Chlorophenol              | 100   | U         | 100  | 160  | 210        | ug/Kg |
| 95-50-1        | 1,2-Dichlorobenzene         | 100   | U         | 100  | 160  | 210        | ug/Kg |
| 541-73-1       | 1,3-Dichlorobenzene         | 100   | U         | 100  | 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  | 330  | 400        | ug/Kg |
| 95-48-7        | 2-Methylphenol              | 98.1  | U         | 98.1 | 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           | 97.1  | U         | 97.1 | 330  | 400        | ug/Kg |
| 621-64-7       | n-Nitroso-di-n-propylamine  | 49    | U         | 49   | 97.4 | 97.4       | 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                  | 100   | U         | 100  | 160  | 210        | ug/Kg |
| 88-75-5        | 2-Nitrophenol               | 120   | U         | 120  | 160  | 210        | ug/Kg |
| 105-67-9       | 2,4-Dimethylphenol          | 110   | U         | 110  | 160  | 210        | ug/Kg |
| 111-91-1       | bis(2-Chloroethoxy)methane  | 100   | U         | 100  | 160  | 210        | ug/Kg |
| 120-83-2       | 2,4-Dichlorophenol          | 91.9  | U         | 91.9 | 160  | 210        | ug/Kg |
| 120-82-1       | 1,2,4-Trichlorobenzene      | 100   | U         | 100  | 160  | 210        | ug/Kg |
| 65-85-0        | Benzoic acid                | 290   | U         | 290  | 330  | 400        | 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         | 100   | U         | 100  | 160  | 210        | ug/Kg |

## Report of Analysis

|                    |                           |                 |                       |
|--------------------|---------------------------|-----------------|-----------------------|
| Client:            |                           | Date Collected: | 8/19/2024 12:00:00 AM |
| Project:           |                           | Date Received:  | 8/19/2024 12:00:00 AM |
| Client Sample ID:  | S-905-J-SO-0.5-1.0-081924 | SDG No.:        | BM082224              |
| Lab Sample ID:     | P3671-08                  | Matrix:         | Solid                 |
| Analytical Method: | 8270E                     | % Moisture:     | 18                    |
| Sample Wt/Vol:     | 30.06                     | 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 |
| BM047322.D        | 1         | 8/21/2024 12:00:00 AM | 8/22/2024 12:00:00 AM | PB162876      |

| CAS Number | Parameter                                       | Conc. | Qualifier | MDL    | LOD | LOQ / CRQL | Units |
|------------|-------------------------------------------------|-------|-----------|--------|-----|------------|-------|
| 105-60-2   | Caprolactam                                     | 110   | U         | 110    | 330 | 400        | ug/Kg |
| 59-50-7    | 4-Chloro-3-methylphenol                         | 94.3  | U         | 94.3   | 160 | 210        | ug/Kg |
| 91-57-6    | 2-Methylnaphthalene                             | 100   | U         | 100    | 160 | 210        | ug/Kg |
| 77-47-4    | Hexachlorocyclopentadiene                       | 190   | U         | 190    | 330 | 400        | ug/Kg |
| 88-06-2    | 2,4,6-Trichlorophenol                           | 86.9  | U         | 86.9   | 160 | 210        | ug/Kg |
| 95-95-4    | 2,4,5-Trichlorophenol                           | 90.1  | U         | 90.1   | 160 | 210        | ug/Kg |
| 92-52-4    | 1,1-Biphenyl                                    | 110   | U         | 110    | 160 | 210        | ug/Kg |
| 91-58-7    | 2-Chloronaphthalene                             | 100   | U         | 100    | 160 | 210        | ug/Kg |
| 88-74-4    | 2-Nitroaniline                                  | 120   | U         | 120    | 160 | 210        | ug/Kg |
| 131-11-3   | Dimethylphthalate                               | 99.4  | U         | 99.4   | 160 | 210        | ug/Kg |
| 208-96-8   | Acenaphthylene                                  | 110   | U         | 110    | 160 | 210        | ug/Kg |
| 606-20-2   | 2,6-Dinitrotoluene                              | 100   | U         | 100    | 160 | 210        | ug/Kg |
| 99-09-2    | 3-Nitroaniline                                  | 110   | U         | 110    | 160 | 210        | ug/Kg |
| 83-32-9    | Acenaphthene                                    | 110   | J         | 98.7   | 160 | 210        | ug/Kg |
| Total PAH  | Total PAH                                       | 11100 |           | 1603.2 | 160 | 3360       | ug/Kg |
| 51-28-5    | 2,4-Dinitrophenol                               | 300   | U         | 300    | 330 | 400        | ug/Kg |
| 100-02-7   | 4-Nitrophenol                                   | 140   | U         | 140    | 330 | 400        | ug/Kg |
| 132-64-9   | Dibenzofuran                                    | 100   | U         | 100    | 160 | 210        | ug/Kg |
| 25321-14-6 | 2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture) | 200   | U         | 200    | 160 | 420        | ug/Kg |
| 121-14-2   | 2,4-Dinitrotoluene                              | 100   | U         | 100    | 160 | 210        | ug/Kg |
| 84-66-2    | Diethylphthalate                                | 97.5  | U         | 97.5   | 160 | 210        | ug/Kg |
| 7005-72-3  | 4-Chlorophenyl-phenylether                      | 100   | U         | 100    | 160 | 210        | ug/Kg |
| 86-73-7    | Fluorene                                        | 100   | U         | 100    | 160 | 210        | ug/Kg |
| 100-01-6   | 4-Nitroaniline                                  | 130   | U         | 130    | 160 | 210        | ug/Kg |
| 534-52-1   | 4,6-Dinitro-2-methylphenol                      | 140   | U         | 140    | 330 | 400        | ug/Kg |
| 86-30-6    | n-Nitrosodiphenylamine                          | 99.3  | U         | 99.3   | 160 | 210        | ug/Kg |
| 103-33-3   | Azobenzene                                      | 96.9  | U         | 96.9   | 160 | 210        | ug/Kg |
| 101-55-3   | 4-Bromophenyl-phenylether                       | 96    | U         | 96     | 160 | 210        | ug/Kg |
| 118-74-1   | Hexachlorobenzene                               | 100   | U         | 100    | 160 | 210        | ug/Kg |
| 1912-24-9  | Atrazine                                        | 110   | U         | 110    | 160 | 210        | ug/Kg |



|                    |                           |        |                 |                       |          |    |  |
|--------------------|---------------------------|--------|-----------------|-----------------------|----------|----|--|
| Client:            |                           |        | Date Collected: | 8/19/2024 12:00:00 AM |          |    |  |
| Project:           |                           |        | Date Received:  | 8/19/2024 12:00:00 AM |          |    |  |
| Client Sample ID:  | S-905-J-SO-0.5-1.0-081924 |        |                 | SDG No.:              | BM082224 |    |  |
| Lab Sample ID:     | P3671-08                  |        |                 | Matrix:               | Solid    |    |  |
| Analytical Method: | 8270E                     |        |                 | % Moisture:           | 18       |    |  |
| Sample Wt/Vol:     | 30.06                     | Units: | g               | Final Vol:            | 1000     | uL |  |
| Soil Aliquot Vol:  | uL                        |        |                 | Test:                 |          |    |  |
| Extraction Type :  | Decanted :                |        |                 | Level :               | LOW      |    |  |
| Injection Volume : | GPC Factor :              |        |                 | GPC Cleanup :         | PH :     |    |  |

| File ID/Qc Batch: | Dilution: | Prep Date             | Date Analyzed         | Prep Batch ID |
|-------------------|-----------|-----------------------|-----------------------|---------------|
| BM047322.D        | 1         | 8/21/2024 12:00:00 AM | 8/22/2024 12:00:00 AM | PB162876      |

| CAS Number        | Parameter                  | Conc.  | Qualifier | MDL    | LOD | LOQ / CRQL | Units     |
|-------------------|----------------------------|--------|-----------|--------|-----|------------|-----------|
| 87-86-5           | Pentachlorophenol          | 94.1   | U         | 94.1   | 330 | 400        | ug/Kg     |
| 85-01-8           | Phenanthrene               | 770    |           | 100    | 160 | 210        | ug/Kg     |
| 120-12-7          | Anthracene                 | 190    | J         | 100    | 160 | 210        | ug/Kg     |
| 86-74-8           | Carbazole                  | 97.7   | U         | 97.7   | 160 | 210        | ug/Kg     |
| 84-74-2           | Di-n-butylphthalate        | 100    | U         | 100    | 160 | 210        | ug/Kg     |
| 206-44-0          | Fluoranthene               | 1800   |           | 99.4   | 160 | 210        | ug/Kg     |
| 92-87-5           | Benzidine                  | 200    | U         | 200    | 330 | 400        | ug/Kg     |
| 129-00-0          | Pyrene                     | 1600   |           | 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    | 330 | 400        | ug/Kg     |
| 56-55-3           | Benzo(a)anthracene         | 1300   |           | 98.2   | 160 | 210        | ug/Kg     |
| 218-01-9          | Chrysene                   | 1100   |           | 96.8   | 160 | 210        | ug/Kg     |
| 117-81-7          | Bis(2-ethylhexyl)phthalate | 110    | U         | 110    | 160 | 210        | ug/Kg     |
| 117-84-0          | Di-n-octyl phthalate       | 130    | U         | 130    | 330 | 400        | ug/Kg     |
| 205-99-2          | Benzo(b)fluoranthene       | 1400   |           | 98.7   | 160 | 210        | ug/Kg     |
| 207-08-9          | Benzo(k)fluoranthene       | 610    |           | 100    | 160 | 210        | ug/Kg     |
| 50-32-8           | Benzo(a)pyrene             | 1200   |           | 110    | 160 | 210        | ug/Kg     |
| 193-39-5          | Indeno(1,2,3-cd)pyrene     | 430    |           | 95.1   | 160 | 210        | ug/Kg     |
| 53-70-3           | Dibenzo(a,h)anthracene     | 140    | J         | 98.8   | 160 | 210        | ug/Kg     |
| 191-24-2          | Benzo(g,h,i)perylene       | 450    |           | 97.5   | 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                | 130    | U         | 130    | 160 | 210        | ug/Kg     |
| 58-90-2           | 2,3,4,6-Tetrachlorophenol  | 90.9   | U         | 90.9   | 160 | 210        | ug/Kg     |
| 90-12-0           | 1-Methylnaphthalene        | 100    | U         | 100    | 210 | 210        | ug/Kg     |
| <b>SURROGATES</b> |                            |        |           |        |     |            |           |
| 367-12-4          | 2-Fluorophenol             | 71.633 |           | 18-112 |     | 48         | SPK: -150 |
| 13127-88-3        | Phenol-d6                  | 69.035 |           | 15-107 |     | 46         | SPK: -150 |
| 4165-60-0         | Nitrobenzene-d5            | 45.745 |           | 18-107 |     | 46         | SPK: -100 |
| 321-60-8          | 2-Fluorobiphenyl           | 40.267 |           | 20-109 |     | 40         | SPK: -100 |

## Report of Analysis

|                    |                           |                 |                       |
|--------------------|---------------------------|-----------------|-----------------------|
| Client:            |                           | Date Collected: | 8/19/2024 12:00:00 AM |
| Project:           |                           | Date Received:  | 8/19/2024 12:00:00 AM |
| Client Sample ID:  | S-905-J-SO-0.5-1.0-081924 | SDG No.:        | BM082224              |
| Lab Sample ID:     | P3671-08                  | Matrix:         | Solid                 |
| Analytical Method: | 8270E                     | % Moisture:     | 18                    |
| Sample Wt/Vol:     | 30.06      Units:    g    | Final Vol:      | 1000              uL  |
| Soil Aliquot Vol:  | uL                        | Test:           |                       |
| Extraction Type :  | Decanted :                | Level :         | LOW                   |
| Injection Volume : | GPC Factor :              | GPC Cleanup :   | PH :                  |

|                   |           |                       |                       |               |
|-------------------|-----------|-----------------------|-----------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date             | Date Analyzed         | Prep Batch ID |
| BM047322.D        | 1         | 8/21/2024 12:00:00 AM | 8/22/2024 12:00:00 AM | PB162876      |

| CAS Number                            | Parameter                        | Conc.   | Qualifier | MDL    | LOD | LOQ / CRQL | Units     |
|---------------------------------------|----------------------------------|---------|-----------|--------|-----|------------|-----------|
| 118-79-6                              | 2,4,6-Tribromophenol             | 76.562  |           | 10-116 |     | 51         | SPK: -150 |
| 1718-51-0                             | Terphenyl-d14                    | 44.783  |           | 10-105 |     | 45         | SPK: -100 |
| <b>INTERNAL STANDARDS</b>             |                                  |         |           |        |     |            |           |
| 3855-82-1                             | 1,4-Dichlorobenzene-d4           | 265711  | 7.351     |        |     |            |           |
| 1146-65-2                             | Naphthalene-d8                   | 1004297 | 10.104    |        |     |            |           |
| 15067-26-2                            | Acenaphthene-d10                 | 664742  | 14.01     |        |     |            |           |
| 1517-22-2                             | Phenanthrene-d10                 | 1391490 | 16.774    |        |     |            |           |
| 1719-03-5                             | Chrysene-d12                     | 1222867 | 21.021    |        |     |            |           |
| 1520-96-3                             | Perylene-d12                     | 1213445 | 23.709    |        |     |            |           |
| <b>TENTATIVE IDENTIFIED COMPOUNDS</b> |                                  |         |           |        |     |            |           |
| 000123-42-2                           | 2-Pentanone, 4-hydroxy-4-methyl- | 130     | A         |        |     | 4.563      |           |
| 002531-84-2                           | Phenanthrene, 2-methyl-          | 200     | J         |        |     | 17.71      |           |
| 000203-64-5                           | 4H-Cyclopenta[def]phenanthrene   | 200     | J         |        |     | 17.845     |           |
| 033543-31-6                           | Fluoranthene, 2-methyl-          | 120     | J         |        |     | 19.727     |           |
| 000243-17-4                           | 11H-Benzo[b]fluorene             | 110     | J         |        |     | 19.827     |           |
|                                       | unknown22.715                    | 140     | J         |        |     | 22.715     |           |
| 000192-97-2                           | Benzo[e]pyrene                   | 210     | J         |        |     | 23.08      |           |
| 000198-55-0                           | Perylene                         | 770     | J         |        |     | 23.462     |           |
| 000205-82-3                           | Benzo[j]fluoranthene             | 340     | J         |        |     | 23.768     |           |

## Report of Analysis

|                    |              |                 |                       |
|--------------------|--------------|-----------------|-----------------------|
| Client:            |              | Date Collected: | 8/20/2024 12:00:00 AM |
| Project:           |              | Date Received:  | 8/20/2024 12:00:00 AM |
| Client Sample ID:  | Stock Pile-1 | SDG No.:        | BM082224              |
| Lab Sample ID:     | P3685-01     | Matrix:         | Solid                 |
| Analytical Method: | 8270E        | % Moisture:     | 7                     |
| 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 |
| BM047323.D        | 1         | 8/21/2024 12:00:00 AM | 8/22/2024 12:00:00 AM | PB162876      |

| 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                    | 51.5  | U         | 51.5 | 83.8 | 110        | ug/Kg |
| 100-52-7       | Benzaldehyde                | 120   | U         | 120  | 170  | 210        | ug/Kg |
| 62-53-3        | Aniline                     | 62.5  | U         | 62.5 | 83.8 | 110        | ug/Kg |
| 108-95-2       | Phenol                      | 53.5  | U         | 53.5 | 83.8 | 110        | ug/Kg |
| 111-44-4       | bis(2-Chloroethyl)ether     | 54    | U         | 54   | 83.8 | 110        | ug/Kg |
| 95-57-8        | 2-Chlorophenol              | 53.8  | U         | 53.8 | 83.8 | 110        | ug/Kg |
| 95-50-1        | 1,2-Dichlorobenzene         | 54.5  | U         | 54.5 | 83.8 | 110        | ug/Kg |
| 541-73-1       | 1,3-Dichlorobenzene         | 55.5  | U         | 55.5 | 83.8 | 110        | ug/Kg |
| 106-46-7       | 1,4-Dichlorobenzene         | 55.8  | U         | 55.8 | 83.8 | 110        | ug/Kg |
| 100-51-6       | Benzyl Alcohol              | 53.5  | U         | 53.5 | 170  | 210        | ug/Kg |
| 95-48-7        | 2-Methylphenol              | 52    | U         | 52   | 83.8 | 110        | ug/Kg |
| 108-60-1       | 2,2-oxybis(1-Chloropropane) | 58.6  | U         | 58.6 | 83.8 | 110        | ug/Kg |
| 98-86-2        | Acetophenone                | 56    | U         | 56   | 83.8 | 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            | 53.5  | U         | 53.5 | 83.8 | 110        | ug/Kg |
| 98-95-3        | Nitrobenzene                | 58.5  | U         | 58.5 | 83.8 | 110        | ug/Kg |
| 78-59-1        | Isophorone                  | 54.5  | U         | 54.5 | 83.8 | 110        | ug/Kg |
| 88-75-5        | 2-Nitrophenol               | 60.9  | U         | 60.9 | 83.8 | 110        | ug/Kg |
| 105-67-9       | 2,4-Dimethylphenol          | 60.1  | U         | 60.1 | 83.8 | 110        | ug/Kg |
| 111-91-1       | bis(2-Chloroethoxy)methane  | 55.3  | U         | 55.3 | 83.8 | 110        | ug/Kg |
| 120-83-2       | 2,4-Dichlorophenol          | 48.7  | U         | 48.7 | 83.8 | 110        | ug/Kg |
| 120-82-1       | 1,2,4-Trichlorobenzene      | 55.1  | U         | 55.1 | 83.8 | 110        | ug/Kg |
| 65-85-0        | Benzoic acid                | 150   | U         | 150  | 170  | 210        | ug/Kg |
| 91-20-3        | Naphthalene                 | 53.3  | U         | 53.3 | 83.8 | 110        | ug/Kg |
| 106-47-8       | 4-Chloroaniline             | 53.3  | U         | 53.3 | 83.8 | 110        | ug/Kg |
| 87-68-3        | Hexachlorobutadiene         | 53.7  | U         | 53.7 | 83.8 | 110        | ug/Kg |



|                    |              |        |    |                 |                       |    |
|--------------------|--------------|--------|----|-----------------|-----------------------|----|
| Client:            |              |        |    | Date Collected: | 8/20/2024 12:00:00 AM |    |
| Project:           |              |        |    | Date Received:  | 8/20/2024 12:00:00 AM |    |
| Client Sample ID:  | Stock Pile-1 |        |    | SDG No.:        | BM082224              |    |
| Lab Sample ID:     | P3685-01     |        |    | Matrix:         | Solid                 |    |
| Analytical Method: | 8270E        |        |    | % Moisture:     | 7                     |    |
| Sample Wt/Vol:     | 50.03        | Units: | g  | Final Vol:      | 1000                  | uL |
| Soil Aliquot Vol:  |              |        | uL | Test:           |                       |    |
| Extraction Type :  | Decanted :   |        |    | Level :         | LOW                   |    |
| Injection Volume : | GPC Factor : |        |    | GPC Cleanup :   | PH :                  |    |

| File ID/Qc Batch: | Dilution: | Prep Date             | Date Analyzed         | Prep Batch ID |
|-------------------|-----------|-----------------------|-----------------------|---------------|
| BM047323.D        | 1         | 8/21/2024 12:00:00 AM | 8/22/2024 12:00:00 AM | PB162876      |

| 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    | 83.8 | 110        | ug/Kg |
| 91-57-6    | 2-Methylnaphthalene                             | 53.2  | U         | 53.2  | 83.8 | 110        | ug/Kg |
| 77-47-4    | Hexachlorocyclopentadiene                       | 100   | U         | 100   | 170  | 210        | ug/Kg |
| 88-06-2    | 2,4,6-Trichlorophenol                           | 46    | U         | 46    | 83.8 | 110        | ug/Kg |
| 95-95-4    | 2,4,5-Trichlorophenol                           | 47.7  | U         | 47.7  | 83.8 | 110        | ug/Kg |
| 92-52-4    | 1,1-Biphenyl                                    | 56.4  | U         | 56.4  | 83.8 | 110        | ug/Kg |
| 91-58-7    | 2-Chloronaphthalene                             | 53.7  | U         | 53.7  | 83.8 | 110        | ug/Kg |
| 88-74-4    | 2-Nitroaniline                                  | 61.3  | U         | 61.3  | 83.8 | 110        | ug/Kg |
| 131-11-3   | Dimethylphthalate                               | 52.7  | U         | 52.7  | 83.8 | 110        | ug/Kg |
| 208-96-8   | Acenaphthylene                                  | 55.8  | U         | 55.8  | 83.8 | 110        | ug/Kg |
| 606-20-2   | 2,6-Dinitrotoluene                              | 53.6  | U         | 53.6  | 83.8 | 110        | ug/Kg |
| 99-09-2    | 3-Nitroaniline                                  | 57.5  | U         | 57.5  | 83.8 | 110        | ug/Kg |
| 83-32-9    | Acenaphthene                                    | 52.3  | U         | 52.3  | 83.8 | 110        | ug/Kg |
| Total PAH  | Total PAH                                       | 854.6 | U         | 854.6 | 83.8 | 1760       | ug/Kg |
| 51-28-5    | 2,4-Dinitrophenol                               | 160   | U         | 160   | 170  | 210        | ug/Kg |
| 100-02-7   | 4-Nitrophenol                                   | 74.8  | U         | 74.8  | 170  | 210        | ug/Kg |
| 132-64-9   | Dibenzofuran                                    | 54.4  | U         | 54.4  | 83.8 | 110        | ug/Kg |
| 121-14-2   | 2,4-Dinitrotoluene                              | 55.6  | U         | 55.6  | 83.8 | 110        | ug/Kg |
| 25321-14-6 | 2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture) | 109.2 | U         | 109.2 | 83.8 | 220        | ug/Kg |
| 84-66-2    | Diethylphthalate                                | 51.6  | U         | 51.6  | 83.8 | 110        | ug/Kg |
| 7005-72-3  | 4-Chlorophenyl-phenylether                      | 55.2  | U         | 55.2  | 83.8 | 110        | ug/Kg |
| 86-73-7    | Fluorene                                        | 55.1  | U         | 55.1  | 83.8 | 110        | ug/Kg |
| 100-01-6   | 4-Nitroaniline                                  | 69    | U         | 69    | 83.8 | 110        | ug/Kg |
| 534-52-1   | 4,6-Dinitro-2-methylphenol                      | 75.4  | U         | 75.4  | 170  | 210        | ug/Kg |
| 86-30-6    | n-Nitrosodiphenylamine                          | 52.6  | U         | 52.6  | 83.8 | 110        | ug/Kg |
| 103-33-3   | Azobenzene                                      | 51.3  | U         | 51.3  | 83.8 | 110        | ug/Kg |
| 101-55-3   | 4-Bromophenyl-phenylether                       | 50.9  | U         | 50.9  | 83.8 | 110        | ug/Kg |
| 118-74-1   | Hexachlorobenzene                               | 54.8  | U         | 54.8  | 83.8 | 110        | ug/Kg |
| 1912-24-9  | Atrazine                                        | 58.9  | U         | 58.9  | 83.8 | 110        | ug/Kg |

## Report of Analysis

|                    |                        |                 |                       |
|--------------------|------------------------|-----------------|-----------------------|
| Client:            |                        | Date Collected: | 8/20/2024 12:00:00 AM |
| Project:           |                        | Date Received:  | 8/20/2024 12:00:00 AM |
| Client Sample ID:  | Stock Pile-1           | SDG No.:        | BM082224              |
| Lab Sample ID:     | P3685-01               | Matrix:         | Solid                 |
| Analytical Method: | 8270E                  | % Moisture:     | 7                     |
| Sample Wt/Vol:     | 50.03      Units:    g | Final Vol:      | 1000              uL  |
| Soil Aliquot Vol:  | uL                     | Test:           |                       |
| Extraction Type :  | Decanted :             | Level :         | LOW                   |
| Injection Volume : | GPC Factor :           | GPC Cleanup :   | PH :                  |

|                   |           |                       |                       |               |
|-------------------|-----------|-----------------------|-----------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date             | Date Analyzed         | Prep Batch ID |
| BM047323.D        | 1         | 8/21/2024 12:00:00 AM | 8/22/2024 12:00:00 AM | PB162876      |

| CAS Number        | Parameter                  | Conc.  | Qualifier | MDL    | LOD  | LOQ / CRQL | Units     |
|-------------------|----------------------------|--------|-----------|--------|------|------------|-----------|
| 87-86-5           | Pentachlorophenol          | 49.8   | U         | 49.8   | 170  | 210        | ug/Kg     |
| 85-01-8           | Phenanthrene               | 54.2   | U         | 54.2   | 83.8 | 110        | ug/Kg     |
| 120-12-7          | Anthracene                 | 54.4   | U         | 54.4   | 83.8 | 110        | ug/Kg     |
| 86-74-8           | Carbazole                  | 51.8   | U         | 51.8   | 83.8 | 110        | ug/Kg     |
| 84-74-2           | Di-n-butylphthalate        | 54.4   | U         | 54.4   | 83.8 | 110        | ug/Kg     |
| 206-44-0          | Fluoranthene               | 52.7   | U         | 52.7   | 83.8 | 110        | ug/Kg     |
| 92-87-5           | Benzidine                  | 110    | U         | 110    | 170  | 210        | ug/Kg     |
| 129-00-0          | Pyrene                     | 53.5   | U         | 53.5   | 83.8 | 110        | ug/Kg     |
| 85-68-7           | Butylbenzylphthalate       | 62.4   | U         | 62.4   | 83.8 | 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     | U         | 52     | 83.8 | 110        | ug/Kg     |
| 218-01-9          | Chrysene                   | 51.3   | U         | 51.3   | 83.8 | 110        | ug/Kg     |
| 117-81-7          | Bis(2-ethylhexyl)phthalate | 58.7   | U         | 58.7   | 83.8 | 110        | ug/Kg     |
| 117-84-0          | Di-n-octyl phthalate       | 70.9   | U         | 70.9   | 170  | 210        | ug/Kg     |
| 205-99-2          | Benzo(b)fluoranthene       | 52.3   | U         | 52.3   | 83.8 | 110        | ug/Kg     |
| 207-08-9          | Benzo(k)fluoranthene       | 53.3   | U         | 53.3   | 83.8 | 110        | ug/Kg     |
| 50-32-8           | Benzo(a)pyrene             | 60     | U         | 60     | 83.8 | 110        | ug/Kg     |
| 193-39-5          | Indeno(1,2,3-cd)pyrene     | 50.4   | U         | 50.4   | 83.8 | 110        | ug/Kg     |
| 53-70-3           | Dibenzo(a,h)anthracene     | 52.4   | U         | 52.4   | 83.8 | 110        | ug/Kg     |
| 191-24-2          | Benzo(g,h,i)perylene       | 51.6   | U         | 51.6   | 83.8 | 110        | ug/Kg     |
| 95-94-3           | 1,2,4,5-Tetrachlorobenzene | 56     | U         | 56     | 83.8 | 110        | ug/Kg     |
| 123-91-1          | 1,4-Dioxane                | 70.9   | U         | 70.9   | 83.8 | 110        | ug/Kg     |
| 58-90-2           | 2,3,4,6-Tetrachlorophenol  | 48.2   | U         | 48.2   | 83.8 | 110        | ug/Kg     |
| 90-12-0           | 1-Methylnaphthalene        | 53.6   | U         | 53.6   | 110  | 110        | ug/Kg     |
| <b>SURROGATES</b> |                            |        |           |        |      |            |           |
| 367-12-4          | 2-Fluorophenol             | 65.835 |           | 18-112 |      | 44         | SPK: -150 |
| 13127-88-3        | Phenol-d6                  | 61.22  |           | 15-107 |      | 41         | SPK: -150 |
| 4165-60-0         | Nitrobenzene-d5            | 42.372 |           | 18-107 |      | 42         | SPK: -100 |
| 321-60-8          | 2-Fluorobiphenyl           | 42.685 |           | 20-109 |      | 43         | SPK: -100 |

## Report of Analysis

|                    |                     |                 |                       |
|--------------------|---------------------|-----------------|-----------------------|
| Client:            |                     | Date Collected: | 8/20/2024 12:00:00 AM |
| Project:           |                     | Date Received:  | 8/20/2024 12:00:00 AM |
| Client Sample ID:  | Stock Pile-1        | SDG No.:        | BM082224              |
| Lab Sample ID:     | P3685-01            | Matrix:         | Solid                 |
| Analytical Method: | 8270E               | % Moisture:     | 7                     |
| Sample Wt/Vol:     | 50.03      Units: g | Final Vol:      | 1000      uL          |
| Soil Aliquot Vol:  | uL                  | Test:           |                       |
| Extraction Type :  | Decanted :          | Level :         | LOW                   |
| Injection Volume : | GPC Factor :        | GPC Cleanup :   | PH :                  |

|                   |           |                       |                       |               |
|-------------------|-----------|-----------------------|-----------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date             | Date Analyzed         | Prep Batch ID |
| BM047323.D        | 1         | 8/21/2024 12:00:00 AM | 8/22/2024 12:00:00 AM | PB162876      |

| CAS Number                            | Parameter                         | Conc.   | Qualifier | MDL    | LOD | LOQ / CRQL | Units     |
|---------------------------------------|-----------------------------------|---------|-----------|--------|-----|------------|-----------|
| 118-79-6                              | 2,4,6-Tribromophenol              | 71.326  |           | 10-116 |     | 48         | SPK: -150 |
| 1718-51-0                             | Terphenyl-d14                     | 53.755  |           | 10-105 |     | 54         | SPK: -100 |
| <b>INTERNAL STANDARDS</b>             |                                   |         |           |        |     |            |           |
| 3855-82-1                             | 1,4-Dichlorobenzene-d4            | 329615  | 7.351     |        |     |            |           |
| 1146-65-2                             | Naphthalene-d8                    | 1221806 | 10.104    |        |     |            |           |
| 15067-26-2                            | Acenaphthene-d10                  | 787761  | 14.01     |        |     |            |           |
| 1517-22-2                             | Phenanthrene-d10                  | 1584798 | 16.774    |        |     |            |           |
| 1719-03-5                             | Chrysene-d12                      | 1184372 | 21.015    |        |     |            |           |
| 1520-96-3                             | Perylene-d12                      | 1165742 | 23.709    |        |     |            |           |
| <b>TENTATIVE IDENTIFIED COMPOUNDS</b> |                                   |         |           |        |     |            |           |
| 000057-55-6                           | Propylene Glycol                  | 47.9    | J         |        |     | 3.258      |           |
| 000123-42-2                           | 2-Pentanone, 4-hydroxy-4-methyl-  | 62.1    | A         |        |     | 4.563      |           |
| 000057-10-3                           | n-Hexadecanoic acid               | 220     | J         |        |     | 17.715     |           |
| 000886-66-8                           | Benzene, 1,1-(1,3-butadiyne-1,4-d | 47.5    | J         |        |     | 18.857     |           |
| 000057-11-4                           | Octadecanoic acid                 | 130     | J         |        |     | 19.015     |           |
| 018835-33-1                           | 1-Hexacosene                      | 66.8    | J         |        |     | 20.756     |           |

## Report of Analysis

|                    |              |                 |                       |
|--------------------|--------------|-----------------|-----------------------|
| Client:            |              | Date Collected: | 8/20/2024 12:00:00 AM |
| Project:           |              | Date Received:  | 8/20/2024 12:00:00 AM |
| Client Sample ID:  | Stock Pile-2 | SDG No.:        | BM082224              |
| Lab Sample ID:     | P3685-03     | Matrix:         | Solid                 |
| Analytical Method: | 8270E        | % Moisture:     | 6.4                   |
| Sample Wt/Vol:     | 50.08        | 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 |
| BM047324.D        | 1         | 8/21/2024 12:00:00 AM | 8/22/2024 12:00:00 AM | PB162876      |

| CAS Number     | Parameter                   | Conc. | Qualifier | MDL  | LOD  | LOQ / CRQL | Units |
|----------------|-----------------------------|-------|-----------|------|------|------------|-------|
| <b>TARGETS</b> |                             |       |           |      |      |            |       |
| 62-75-9        | n-Nitrosodimethylamine      | 55.6  | U         | 55.6 | 170  | 210        | ug/Kg |
| 110-86-1       | Pyridine                    | 51.1  | U         | 51.1 | 83.2 | 110        | ug/Kg |
| 100-52-7       | Benzaldehyde                | 120   | U         | 120  | 170  | 210        | ug/Kg |
| 62-53-3        | Aniline                     | 62    | U         | 62   | 83.2 | 110        | ug/Kg |
| 108-95-2       | Phenol                      | 53.1  | U         | 53.1 | 83.2 | 110        | ug/Kg |
| 111-44-4       | bis(2-Chloroethyl)ether     | 53.6  | U         | 53.6 | 83.2 | 110        | ug/Kg |
| 95-57-8        | 2-Chlorophenol              | 53.4  | U         | 53.4 | 83.2 | 110        | ug/Kg |
| 95-50-1        | 1,2-Dichlorobenzene         | 54.1  | U         | 54.1 | 83.2 | 110        | ug/Kg |
| 541-73-1       | 1,3-Dichlorobenzene         | 55    | U         | 55   | 83.2 | 110        | ug/Kg |
| 106-46-7       | 1,4-Dichlorobenzene         | 55.4  | U         | 55.4 | 83.2 | 110        | ug/Kg |
| 100-51-6       | Benzyl Alcohol              | 53.1  | U         | 53.1 | 170  | 210        | ug/Kg |
| 95-48-7        | 2-Methylphenol              | 51.6  | U         | 51.6 | 83.2 | 110        | ug/Kg |
| 108-60-1       | 2,2-oxybis(1-Chloropropane) | 58.2  | U         | 58.2 | 83.2 | 110        | ug/Kg |
| 98-86-2        | Acetophenone                | 55.6  | U         | 55.6 | 83.2 | 110        | ug/Kg |
| 65794-96-9     | 3+4-Methylphenols           | 51.1  | U         | 51.1 | 170  | 210        | ug/Kg |
| 621-64-7       | n-Nitroso-di-n-propylamine  | 25.8  | U         | 25.8 | 51.2 | 51.2       | ug/Kg |
| 67-72-1        | Hexachloroethane            | 53.1  | U         | 53.1 | 83.2 | 110        | ug/Kg |
| 98-95-3        | Nitrobenzene                | 58.1  | U         | 58.1 | 83.2 | 110        | ug/Kg |
| 78-59-1        | Isophorone                  | 54.1  | U         | 54.1 | 83.2 | 110        | ug/Kg |
| 88-75-5        | 2-Nitrophenol               | 60.5  | U         | 60.5 | 83.2 | 110        | ug/Kg |
| 105-67-9       | 2,4-Dimethylphenol          | 59.6  | U         | 59.6 | 83.2 | 110        | ug/Kg |
| 111-91-1       | bis(2-Chloroethoxy)methane  | 54.9  | U         | 54.9 | 83.2 | 110        | ug/Kg |
| 120-83-2       | 2,4-Dichlorophenol          | 48.3  | U         | 48.3 | 83.2 | 110        | ug/Kg |
| 120-82-1       | 1,2,4-Trichlorobenzene      | 54.7  | U         | 54.7 | 83.2 | 110        | ug/Kg |
| 65-85-0        | Benzoic acid                | 150   | U         | 150  | 170  | 210        | ug/Kg |
| 91-20-3        | Naphthalene                 | 52.9  | U         | 52.9 | 83.2 | 110        | ug/Kg |
| 106-47-8       | 4-Chloroaniline             | 52.9  | U         | 52.9 | 83.2 | 110        | ug/Kg |
| 87-68-3        | Hexachlorobutadiene         | 53.3  | U         | 53.3 | 83.2 | 110        | ug/Kg |

## Report of Analysis

|                    |              |                 |                       |
|--------------------|--------------|-----------------|-----------------------|
| Client:            |              | Date Collected: | 8/20/2024 12:00:00 AM |
| Project:           |              | Date Received:  | 8/20/2024 12:00:00 AM |
| Client Sample ID:  | Stock Pile-2 | SDG No.:        | BM082224              |
| Lab Sample ID:     | P3685-03     | Matrix:         | Solid                 |
| Analytical Method: | 8270E        | % Moisture:     | 6.4                   |
| Sample Wt/Vol:     | 50.08        | 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 |
| BM047324.D        | 1         | 8/21/2024 12:00:00 AM | 8/22/2024 12:00:00 AM | PB162876      |

| CAS Number | Parameter                                       | Conc. | Qualifier | MDL   | LOD  | LOQ / CRQL | Units |
|------------|-------------------------------------------------|-------|-----------|-------|------|------------|-------|
| 105-60-2   | Caprolactam                                     | 55.6  | U         | 55.6  | 170  | 210        | ug/Kg |
| 59-50-7    | 4-Chloro-3-methylphenol                         | 49.6  | U         | 49.6  | 83.2 | 110        | ug/Kg |
| 91-57-6    | 2-Methylnaphthalene                             | 52.8  | U         | 52.8  | 83.2 | 110        | ug/Kg |
| 77-47-4    | Hexachlorocyclopentadiene                       | 99.8  | U         | 99.8  | 170  | 210        | ug/Kg |
| 88-06-2    | 2,4,6-Trichlorophenol                           | 45.7  | U         | 45.7  | 83.2 | 110        | ug/Kg |
| 95-95-4    | 2,4,5-Trichlorophenol                           | 47.4  | U         | 47.4  | 83.2 | 110        | ug/Kg |
| 92-52-4    | 1,1-Biphenyl                                    | 55.9  | U         | 55.9  | 83.2 | 110        | ug/Kg |
| 91-58-7    | 2-Chloronaphthalene                             | 53.3  | U         | 53.3  | 83.2 | 110        | ug/Kg |
| 88-74-4    | 2-Nitroaniline                                  | 60.8  | U         | 60.8  | 83.2 | 110        | ug/Kg |
| 131-11-3   | Dimethylphthalate                               | 52.3  | U         | 52.3  | 83.2 | 110        | ug/Kg |
| 208-96-8   | Acenaphthylene                                  | 55.4  | U         | 55.4  | 83.2 | 110        | ug/Kg |
| 606-20-2   | 2,6-Dinitrotoluene                              | 53.2  | U         | 53.2  | 83.2 | 110        | ug/Kg |
| 99-09-2    | 3-Nitroaniline                                  | 57.1  | U         | 57.1  | 83.2 | 110        | ug/Kg |
| 83-32-9    | Acenaphthene                                    | 51.9  | U         | 51.9  | 83.2 | 110        | ug/Kg |
| Total PAH  | Total PAH                                       | 848.2 | U         | 848.2 | 83.2 | 1760       | ug/Kg |
| 51-28-5    | 2,4-Dinitrophenol                               | 160   | U         | 160   | 170  | 210        | ug/Kg |
| 100-02-7   | 4-Nitrophenol                                   | 74.2  | U         | 74.2  | 170  | 210        | ug/Kg |
| 132-64-9   | Dibenzofuran                                    | 54    | U         | 54    | 83.2 | 110        | ug/Kg |
| 25321-14-6 | 2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture) | 108.4 | U         | 108.4 | 83.2 | 220        | ug/Kg |
| 121-14-2   | 2,4-Dinitrotoluene                              | 55.2  | U         | 55.2  | 83.2 | 110        | ug/Kg |
| 84-66-2    | Diethylphthalate                                | 51.3  | U         | 51.3  | 83.2 | 110        | ug/Kg |
| 7005-72-3  | 4-Chlorophenyl-phenylether                      | 54.8  | U         | 54.8  | 83.2 | 110        | ug/Kg |
| 86-73-7    | Fluorene                                        | 54.7  | U         | 54.7  | 83.2 | 110        | ug/Kg |
| 100-01-6   | 4-Nitroaniline                                  | 68.5  | U         | 68.5  | 83.2 | 110        | ug/Kg |
| 534-52-1   | 4,6-Dinitro-2-methylphenol                      | 74.9  | U         | 74.9  | 170  | 210        | ug/Kg |
| 86-30-6    | n-Nitrosodiphenylamine                          | 52.2  | U         | 52.2  | 83.2 | 110        | ug/Kg |
| 103-33-3   | Azobenzene                                      | 50.9  | U         | 50.9  | 83.2 | 110        | ug/Kg |
| 101-55-3   | 4-Bromophenyl-phenylether                       | 50.5  | U         | 50.5  | 83.2 | 110        | ug/Kg |
| 118-74-1   | Hexachlorobenzene                               | 54.4  | U         | 54.4  | 83.2 | 110        | ug/Kg |
| 1912-24-9  | Atrazine                                        | 58.5  | U         | 58.5  | 83.2 | 110        | ug/Kg |

## Report of Analysis

|                    |                        |                 |                       |
|--------------------|------------------------|-----------------|-----------------------|
| Client:            |                        | Date Collected: | 8/20/2024 12:00:00 AM |
| Project:           |                        | Date Received:  | 8/20/2024 12:00:00 AM |
| Client Sample ID:  | Stock Pile-2           | SDG No.:        | BM082224              |
| Lab Sample ID:     | P3685-03               | Matrix:         | Solid                 |
| Analytical Method: | 8270E                  | % Moisture:     | 6.4                   |
| Sample Wt/Vol:     | 50.08      Units:    g | Final Vol:      | 1000              uL  |
| Soil Aliquot Vol:  | uL                     | Test:           |                       |
| Extraction Type :  | Decanted :             | Level :         | LOW                   |
| Injection Volume : | GPC Factor :           | GPC Cleanup :   | PH :                  |

|                   |           |                       |                       |               |
|-------------------|-----------|-----------------------|-----------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date             | Date Analyzed         | Prep Batch ID |
| BM047324.D        | 1         | 8/21/2024 12:00:00 AM | 8/22/2024 12:00:00 AM | PB162876      |

| CAS Number        | Parameter                  | Conc.  | Qualifier | MDL    | LOD  | LOQ / CRQL | Units     |
|-------------------|----------------------------|--------|-----------|--------|------|------------|-----------|
| 87-86-5           | Pentachlorophenol          | 49.5   | U         | 49.5   | 170  | 210        | ug/Kg     |
| 85-01-8           | Phenanthrene               | 53.8   | U         | 53.8   | 83.2 | 110        | ug/Kg     |
| 120-12-7          | Anthracene                 | 54     | U         | 54     | 83.2 | 110        | ug/Kg     |
| 86-74-8           | Carbazole                  | 51.4   | U         | 51.4   | 83.2 | 110        | ug/Kg     |
| 84-74-2           | Di-n-butylphthalate        | 54     | U         | 54     | 83.2 | 110        | ug/Kg     |
| 206-44-0          | Fluoranthene               | 52.3   | U         | 52.3   | 83.2 | 110        | ug/Kg     |
| 92-87-5           | Benzidine                  | 100    | U         | 100    | 170  | 210        | ug/Kg     |
| 129-00-0          | Pyrene                     | 53.1   | U         | 53.1   | 83.2 | 110        | ug/Kg     |
| 85-68-7           | Butylbenzylphthalate       | 62     | U         | 62     | 83.2 | 110        | ug/Kg     |
| 91-94-1           | 3,3-Dichlorobenzidine      | 63.1   | U         | 63.1   | 170  | 210        | ug/Kg     |
| 56-55-3           | Benzo(a)anthracene         | 51.6   | U         | 51.6   | 83.2 | 110        | ug/Kg     |
| 218-01-9          | Chrysene                   | 50.9   | U         | 50.9   | 83.2 | 110        | ug/Kg     |
| 117-81-7          | Bis(2-ethylhexyl)phthalate | 58.2   | U         | 58.2   | 83.2 | 110        | ug/Kg     |
| 117-84-0          | Di-n-octyl phthalate       | 70.4   | U         | 70.4   | 170  | 210        | ug/Kg     |
| 205-99-2          | Benzo(b)fluoranthene       | 51.9   | U         | 51.9   | 83.2 | 110        | ug/Kg     |
| 207-08-9          | Benzo(k)fluoranthene       | 52.9   | U         | 52.9   | 83.2 | 110        | ug/Kg     |
| 50-32-8           | Benzo(a)pyrene             | 59.5   | U         | 59.5   | 83.2 | 110        | ug/Kg     |
| 193-39-5          | Indeno(1,2,3-cd)pyrene     | 50     | U         | 50     | 83.2 | 110        | ug/Kg     |
| 53-70-3           | Dibenzo(a,h)anthracene     | 52     | U         | 52     | 83.2 | 110        | ug/Kg     |
| 191-24-2          | Benzo(g,h,i)perylene       | 51.3   | U         | 51.3   | 83.2 | 110        | ug/Kg     |
| 95-94-3           | 1,2,4,5-Tetrachlorobenzene | 55.6   | U         | 55.6   | 83.2 | 110        | ug/Kg     |
| 123-91-1          | 1,4-Dioxane                | 70.4   | U         | 70.4   | 83.2 | 110        | ug/Kg     |
| 58-90-2           | 2,3,4,6-Tetrachlorophenol  | 47.8   | U         | 47.8   | 83.2 | 110        | ug/Kg     |
| 90-12-0           | 1-Methylnaphthalene        | 53.2   | U         | 53.2   | 110  | 110        | ug/Kg     |
| <b>SURROGATES</b> |                            |        |           |        |      |            |           |
| 367-12-4          | 2-Fluorophenol             | 78.48  |           | 18-112 |      | 52         | SPK: -150 |
| 13127-88-3        | Phenol-d6                  | 72.496 |           | 15-107 |      | 48         | SPK: -150 |
| 4165-60-0         | Nitrobenzene-d5            | 50.125 |           | 18-107 |      | 50         | SPK: -100 |
| 321-60-8          | 2-Fluorobiphenyl           | 52.508 |           | 20-109 |      | 53         | SPK: -100 |

## Report of Analysis

|                    |                     |                 |                       |
|--------------------|---------------------|-----------------|-----------------------|
| Client:            |                     | Date Collected: | 8/20/2024 12:00:00 AM |
| Project:           |                     | Date Received:  | 8/20/2024 12:00:00 AM |
| Client Sample ID:  | Stock Pile-2        | SDG No.:        | BM082224              |
| Lab Sample ID:     | P3685-03            | Matrix:         | Solid                 |
| Analytical Method: | 8270E               | % Moisture:     | 6.4                   |
| Sample Wt/Vol:     | 50.08      Units: g | Final Vol:      | 1000      uL          |
| Soil Aliquot Vol:  | uL                  | Test:           |                       |
| Extraction Type :  | Decanted :          | Level :         | LOW                   |
| Injection Volume : | GPC Factor :        | GPC Cleanup :   | PH :                  |

|                   |           |                       |                       |               |
|-------------------|-----------|-----------------------|-----------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date             | Date Analyzed         | Prep Batch ID |
| BM047324.D        | 1         | 8/21/2024 12:00:00 AM | 8/22/2024 12:00:00 AM | PB162876      |

| CAS Number                            | Parameter                        | Conc.   | Qualifier | MDL    | LOD | LOQ / CRQL | Units     |
|---------------------------------------|----------------------------------|---------|-----------|--------|-----|------------|-----------|
| 118-79-6                              | 2,4,6-Tribromophenol             | 86.069  |           | 10-116 |     | 57         | SPK: -150 |
| 1718-51-0                             | Terphenyl-d14                    | 66.735  |           | 10-105 |     | 67         | SPK: -100 |
| <b>INTERNAL STANDARDS</b>             |                                  |         |           |        |     |            |           |
| 3855-82-1                             | 1,4-Dichlorobenzene-d4           | 335954  | 7.351     |        |     |            |           |
| 1146-65-2                             | Naphthalene-d8                   | 1241227 | 10.104    |        |     |            |           |
| 15067-26-2                            | Acenaphthene-d10                 | 806623  | 14.01     |        |     |            |           |
| 1517-22-2                             | Phenanthrene-d10                 | 1636118 | 16.774    |        |     |            |           |
| 1719-03-5                             | Chrysene-d12                     | 1183336 | 21.015    |        |     |            |           |
| 1520-96-3                             | Perylene-d12                     | 1178435 | 23.709    |        |     |            |           |
| <b>TENTATIVE IDENTIFIED COMPOUNDS</b> |                                  |         |           |        |     |            |           |
| 000057-55-6                           | Propylene Glycol                 | 52.3    | J         |        |     | 3.257      |           |
| 000123-42-2                           | 2-Pentanone, 4-hydroxy-4-methyl- | 74.5    | A         |        |     | 4.563      |           |
| 000770-35-4                           | 1-Phenoxypropan-2-ol             | 49.1    | J         |        |     | 10.869     |           |
| 000057-10-3                           | n-Hexadecanoic acid              | 85.5    | J         |        |     | 17.715     |           |
| 000506-51-4                           | n-Tetracosanol-1                 | 80.6    | J         |        |     | 20.75      |           |

### Hit Summary Sheet SW-846

SDG No.: BM082224

Client:

| Sample ID                                   | Client ID              | Matrix | Parameter                                                              | Concentration | C                | MDL | RDL | Units |
|---------------------------------------------|------------------------|--------|------------------------------------------------------------------------|---------------|------------------|-----|-----|-------|
| <b>Client ID : S-911-K1-SO-0-0.5-081924</b> |                        |        |                                                                        |               |                  |     |     |       |
| P3671-03                                    | S-911-K1-SO-0-0.5-0819 | Solid  | (3S,3aS,6R,7R,9aS)-1,1,7-Trimethyl-5,6,7,8-tetrahydronaphthalene       | *             | 630.000          | J   |     |       |
| P3671-03                                    | S-911-K1-SO-0-0.5-0819 | Solid  | gamma-Murolene                                                         | *             | 290.000          | J   |     |       |
| P3671-03                                    | S-911-K1-SO-0-0.5-0819 | Solid  | 1-Heneicosanol                                                         | *             | 1,200.000        | J   |     |       |
| P3671-03                                    | S-911-K1-SO-0-0.5-0819 | Solid  | 1-Hexacosene                                                           | *             | 740.000          | J   |     |       |
| P3671-03                                    | S-911-K1-SO-0-0.5-0819 | Solid  | 2-Pentanone, 4-hydroxy-4-methyl                                        | *             | 250.000          | A   |     |       |
| P3671-03                                    | S-911-K1-SO-0-0.5-0819 | Solid  | Cyclopenta[d]anthracene-8,11-dione                                     | *             | 220.000          | J   |     |       |
| P3671-03                                    | S-911-K1-SO-0-0.5-0819 | Solid  | Ethyl 2-(bromomethyl)acrylate                                          | *             | 470.000          | J   |     |       |
| P3671-03                                    | S-911-K1-SO-0-0.5-0819 | Solid  | Eucalyptol                                                             | *             | 1,600.000        | J   |     |       |
| P3671-03                                    | S-911-K1-SO-0-0.5-0819 | Solid  | Hexacosane                                                             | *             | 480.000          | J   |     |       |
| P3671-03                                    | S-911-K1-SO-0-0.5-0819 | Solid  | Magnolol                                                               | *             | 200.000          | J   |     |       |
| P3671-03                                    | S-911-K1-SO-0-0.5-0819 | Solid  | n-Hexadecanoic acid                                                    | *             | 350.000          | J   |     |       |
| P3671-03                                    | S-911-K1-SO-0-0.5-0819 | Solid  | n-Nonadecanol-1                                                        | *             | 2,100.000        | J   |     |       |
| P3671-03                                    | S-911-K1-SO-0-0.5-0819 | Solid  | Naphthalene, 1,6-dimethyl-4-(1-methyl-2-propenyl)-                     | *             | 200.000          | J   |     |       |
| P3671-03                                    | S-911-K1-SO-0-0.5-0819 | Solid  | Nonadecane                                                             | *             | 360.000          | J   |     |       |
| P3671-03                                    | S-911-K1-SO-0-0.5-0819 | Solid  | Octacosyl acetate                                                      | *             | 820.000          | J   |     |       |
| P3671-03                                    | S-911-K1-SO-0-0.5-0819 | Solid  | Octadecanoic acid                                                      | *             | 220.000          | J   |     |       |
| P3671-03                                    | S-911-K1-SO-0-0.5-0819 | Solid  | Propylene Glycol                                                       | *             | 220.000          | J   |     |       |
| P3671-03                                    | S-911-K1-SO-0-0.5-0819 | Solid  | trans-Linalool oxide (furanoid)                                        | *             | 170.000          | J   |     |       |
| P3671-03                                    | S-911-K1-SO-0-0.5-0819 | Solid  | unknown16.986                                                          | *             | 260.000          | J   |     |       |
| P3671-03                                    | S-911-K1-SO-0-0.5-0819 | Solid  | unknown19.592                                                          | *             | 250.000          | J   |     |       |
| <b>Total Tics :</b>                         |                        |        |                                                                        |               | <b>11,030.00</b> |     |     |       |
| <b>Total Concentration:</b>                 |                        |        |                                                                        |               | <b>11,030.00</b> |     |     |       |
| <b>Client ID : S-911-K1-SO-0.5-1-081924</b> |                        |        |                                                                        |               |                  |     |     |       |
| P3671-04                                    | S-911-K1-SO-0.5-1-0819 | Solid  | (3S,3aS,6R,7R,9aS)-1,1,7-Trimethyl-5,6,7,8-tetrahydronaphthalene       | *             | 310.000          | J   |     |       |
| P3671-04                                    | S-911-K1-SO-0.5-1-0819 | Solid  | 1-Heneicosanol                                                         | *             | 940.000          | J   |     |       |
| P3671-04                                    | S-911-K1-SO-0.5-1-0819 | Solid  | 1-Heneicosyl formate                                                   | *             | 1,500.000        | J   |     |       |
| P3671-04                                    | S-911-K1-SO-0.5-1-0819 | Solid  | 1-Heptacosanol                                                         | *             | 780.000          | J   |     |       |
| P3671-04                                    | S-911-K1-SO-0.5-1-0819 | Solid  | 1-Phenoxypropan-2-ol                                                   | *             | 200.000          | J   |     |       |
| P3671-04                                    | S-911-K1-SO-0.5-1-0819 | Solid  | 2-Pentanone, 4-hydroxy-4-methyl                                        | *             | 210.000          | A   |     |       |
| P3671-04                                    | S-911-K1-SO-0.5-1-0819 | Solid  | Cyclotetracosane                                                       | *             | 730.000          | J   |     |       |
| P3671-04                                    | S-911-K1-SO-0.5-1-0819 | Solid  | Docosanoic acid                                                        | *             | 160.000          | J   |     |       |
| P3671-04                                    | S-911-K1-SO-0.5-1-0819 | Solid  | Eicosane, 10-methyl-                                                   | *             | 480.000          | J   |     |       |
| P3671-04                                    | S-911-K1-SO-0.5-1-0819 | Solid  | Eucalyptol                                                             | *             | 960.000          | J   |     |       |
| P3671-04                                    | S-911-K1-SO-0.5-1-0819 | Solid  | Heptacosanal                                                           | *             | 460.000          | J   |     |       |
| P3671-04                                    | S-911-K1-SO-0.5-1-0819 | Solid  | Hexacosanal                                                            | *             | 250.000          | J   |     |       |
| P3671-04                                    | S-911-K1-SO-0.5-1-0819 | Solid  | n-Hexadecanoic acid                                                    | *             | 290.000          | J   |     |       |
| P3671-04                                    | S-911-K1-SO-0.5-1-0819 | Solid  | Naphthalene, 1,2,3,4,4a,5,6,8a-octahydro-1,4-bis(2-methyl-2-propenyl)- | *             | 240.000          | J   |     |       |

### Hit Summary Sheet SW-846

SDG No.: BM082224

Client:

| Sample ID                             | Client ID               | Matrix | Parameter                        | Concentration | C          | MDL | RDL    | Units      |
|---------------------------------------|-------------------------|--------|----------------------------------|---------------|------------|-----|--------|------------|
| P3671-04                              | S-911-K1-SO-0.5-1-0819  | Solid  | Nonadecane                       | *             | 540.000    | J   |        |            |
| P3671-04                              | S-911-K1-SO-0.5-1-0819  | Solid  | Octadecanoic acid                | *             | 130.000    | J   |        |            |
| P3671-04                              | S-911-K1-SO-0.5-1-0819  | Solid  | photocitral B                    | *             | 170.000    | J   |        |            |
| P3671-04                              | S-911-K1-SO-0.5-1-0819  | Solid  | Propylene Glycol                 | *             | 170.000    | J   |        |            |
| P3671-04                              | S-911-K1-SO-0.5-1-0819  | Solid  | Tetracosanoic acid               | *             | 180.000    | J   |        |            |
| P3671-04                              | S-911-K1-SO-0.5-1-0819  | Solid  | unknown17.680                    | *             | 310.000    | J   |        |            |
| Total Tics :                          |                         |        |                                  |               | 9,010.00   |     |        |            |
| Total Concentration:                  |                         |        |                                  |               | 9,010.00   |     |        |            |
| Client ID : S-905-J-SO-0.5-1.0-081924 |                         |        |                                  |               |            |     |        |            |
| P3671-08                              | S-905-J-SO-0.5-1.0-0819 | Solid  | 11H-Benzo[b]fluorene             | *             | 110.000    | J   |        |            |
| P3671-08                              | S-905-J-SO-0.5-1.0-0819 | Solid  | 2-Pentanone, 4-hydroxy-4-methyl  | *             | 130.000    | A   |        |            |
| P3671-08                              | S-905-J-SO-0.5-1.0-0819 | Solid  | 4H-Cyclopenta[def]phenanthrene   | *             | 200.000    | J   |        |            |
| P3671-08                              | S-905-J-SO-0.5-1.0-0819 | Solid  | Benzo[e]pyrene                   | *             | 210.000    | J   |        |            |
| P3671-08                              | S-905-J-SO-0.5-1.0-0819 | Solid  | Benzo[j]fluoranthene             | *             | 340.000    | J   |        |            |
| P3671-08                              | S-905-J-SO-0.5-1.0-0819 | Solid  | Fluoranthene, 2-methyl-          | *             | 120.000    | J   |        |            |
| P3671-08                              | S-905-J-SO-0.5-1.0-0819 | Solid  | Perylene                         | *             | 770.000    | J   |        |            |
| P3671-08                              | S-905-J-SO-0.5-1.0-0819 | Solid  | Phenanthrene, 2-methyl-          | *             | 200.000    | J   |        |            |
| P3671-08                              | S-905-J-SO-0.5-1.0-0819 | Solid  | unknown22.715                    | *             | 140.000    | J   |        |            |
| Total Tics :                          |                         |        |                                  |               | 2,220.00   |     |        |            |
| P3671-08                              | S-905-J-SO-0.5-1.0-0819 | Solid  | Acenaphthene                     |               | 110.000    | J   | 98.7   | 210 ug/Kg  |
| P3671-08                              | S-905-J-SO-0.5-1.0-0819 | Solid  | Anthracene                       |               | 190.000    | J   | 100    | 210 ug/Kg  |
| P3671-08                              | S-905-J-SO-0.5-1.0-0819 | Solid  | Benzo(a)anthracene               |               | 1,300.000  |     | 98.2   | 210 ug/Kg  |
| P3671-08                              | S-905-J-SO-0.5-1.0-0819 | Solid  | Benzo(a)pyrene                   |               | 1,200.000  |     | 110    | 210 ug/Kg  |
| P3671-08                              | S-905-J-SO-0.5-1.0-0819 | Solid  | Benzo(b)fluoranthene             |               | 1,400.000  |     | 98.7   | 210 ug/Kg  |
| P3671-08                              | S-905-J-SO-0.5-1.0-0819 | Solid  | Benzo(g,h,i)perylene             |               | 450.000    |     | 97.5   | 210 ug/Kg  |
| P3671-08                              | S-905-J-SO-0.5-1.0-0819 | Solid  | Benzo(k)fluoranthene             |               | 610.000    |     | 100    | 210 ug/Kg  |
| P3671-08                              | S-905-J-SO-0.5-1.0-0819 | Solid  | Chrysene                         |               | 1,100.000  |     | 96.8   | 210 ug/Kg  |
| P3671-08                              | S-905-J-SO-0.5-1.0-0819 | Solid  | Dibenzo(a,h)anthracene           |               | 140.000    | J   | 98.8   | 210 ug/Kg  |
| P3671-08                              | S-905-J-SO-0.5-1.0-0819 | Solid  | Fluoranthene                     |               | 1,800.000  |     | 99.4   | 210 ug/Kg  |
| P3671-08                              | S-905-J-SO-0.5-1.0-0819 | Solid  | Indeno(1,2,3-cd)pyrene           |               | 430.000    |     | 95.1   | 210 ug/Kg  |
| P3671-08                              | S-905-J-SO-0.5-1.0-0819 | Solid  | Phenanthrene                     |               | 770.000    |     | 100    | 210 ug/Kg  |
| P3671-08                              | S-905-J-SO-0.5-1.0-0819 | Solid  | Pyrene                           |               | 1,600.000  |     | 100    | 210 ug/Kg  |
| P3671-08                              | S-905-J-SO-0.5-1.0-0819 | Solid  | Total PAH                        |               | 11,100.000 |     | 1603.2 | 3360 ug/Kg |
| Total Svoc :                          |                         |        |                                  |               | 22,200.00  |     |        |            |
| Total Concentration:                  |                         |        |                                  |               | 24,420.00  |     |        |            |
| Client ID : S-928-K1-SO-0-0.5-081924  |                         |        |                                  |               |            |     |        |            |
| P3671-09                              | S-928-K1-SO-0-0.5-0819  | Solid  | (3S,3aS,6R,7R,9aS)-1,1,7-Trimett | *             | 150.000    | J   |        |            |
| P3671-09                              | S-928-K1-SO-0-0.5-0819  | Solid  | 1-Heneicosanol                   | *             | 420.000    | J   |        |            |
| P3671-09                              | S-928-K1-SO-0-0.5-0819  | Solid  | 2-Pentanone, 4-hydroxy-4-methyl  | *             | 200.000    | A   |        |            |

### Hit Summary Sheet SW-846

SDG No.: BM082224

Client:

| Sample ID                            | Client ID               | Matrix | Parameter                          | Concentration | C        | MDL | RDL | Units |
|--------------------------------------|-------------------------|--------|------------------------------------|---------------|----------|-----|-----|-------|
| P3671-09                             | S-928-K1-SO-0-0.5-0819  | Solid  | Cyclopentadecane                   | *             | 390.000  | J   |     |       |
| P3671-09                             | S-928-K1-SO-0-0.5-0819  | Solid  | Eucalyptol                         | *             | 410.000  | J   |     |       |
| P3671-09                             | S-928-K1-SO-0-0.5-0819  | Solid  | n-Hexadecanoic acid                | *             | 190.000  | J   |     |       |
| P3671-09                             | S-928-K1-SO-0-0.5-0819  | Solid  | Phenol, 4,4-(1-methylethylidene)h  | *             | 290.000  | J   |     |       |
| P3671-09                             | S-928-K1-SO-0-0.5-0819  | Solid  | Propylene Glycol                   | *             | 160.000  | J   |     |       |
| P3671-09                             | S-928-K1-SO-0-0.5-0819  | Solid  | unknown17.680                      | *             | 200.000  | J   |     |       |
| Total Tics :                         |                         |        |                                    |               | 2,410.00 |     |     |       |
| Total Concentration:                 |                         |        |                                    |               | 2,410.00 |     |     |       |
| Client ID : S-928-K1-SO-0.5-1-081924 |                         |        |                                    |               |          |     |     |       |
| P3671-10                             | S-928-K1-SO-0.5-1-0819  | Solid  | (3S,3aS,6R,7R,9aS)-1,1,7-Trimethyl | *             | 140.000  | J   |     |       |
| P3671-10                             | S-928-K1-SO-0.5-1-0819  | Solid  | 1-Phenoxypropan-2-ol               | *             | 200.000  | J   |     |       |
| P3671-10                             | S-928-K1-SO-0.5-1-0819  | Solid  | 2-Pentanone, 4-hydroxy-4-methyl    | *             | 230.000  | A   |     |       |
| P3671-10                             | S-928-K1-SO-0.5-1-0819  | Solid  | 9-Eicosene, (E)-                   | *             | 490.000  | J   |     |       |
| P3671-10                             | S-928-K1-SO-0.5-1-0819  | Solid  | Ethyl 2-(bromomethyl)acrylate      | *             | 190.000  | J   |     |       |
| P3671-10                             | S-928-K1-SO-0.5-1-0819  | Solid  | Eucalyptol                         | *             | 370.000  | J   |     |       |
| P3671-10                             | S-928-K1-SO-0.5-1-0819  | Solid  | n-Hexadecanoic acid                | *             | 200.000  | J   |     |       |
| P3671-10                             | S-928-K1-SO-0.5-1-0819  | Solid  | n-Nonadecanol-1                    | *             | 490.000  | J   |     |       |
| P3671-10                             | S-928-K1-SO-0.5-1-0819  | Solid  | Naphthalene, 1,2,3,4,4a,5,6,8a-oct | *             | 160.000  | J   |     |       |
| P3671-10                             | S-928-K1-SO-0.5-1-0819  | Solid  | Phenol, 4,4-(1-methylethylidene)h  | *             | 160.000  | J   |     |       |
| P3671-10                             | S-928-K1-SO-0.5-1-0819  | Solid  | Propylene Glycol                   | *             | 260.000  | J   |     |       |
| Total Tics :                         |                         |        |                                    |               | 2,890.00 |     |     |       |
| Total Concentration:                 |                         |        |                                    |               | 2,890.00 |     |     |       |
| Client ID : S-912-J-SO-0-0.5-081924  |                         |        |                                    |               |          |     |     |       |
| P3671-13                             | S-912-J-SO-0-0.5-081924 | Solid  | 1-Heneicosanol                     | *             | 750.000  | J   |     |       |
| P3671-13                             | S-912-J-SO-0-0.5-081924 | Solid  | 1-Phenoxypropan-2-ol               | *             | 280.000  | J   |     |       |
| P3671-13                             | S-912-J-SO-0-0.5-081924 | Solid  | 2-Pentanone, 4-hydroxy-4-methyl    | *             | 410.000  | A   |     |       |
| P3671-13                             | S-912-J-SO-0-0.5-081924 | Solid  | 5-Eicosene, (E)-                   | *             | 760.000  | J   |     |       |
| P3671-13                             | S-912-J-SO-0-0.5-081924 | Solid  | Eicosane                           | *             | 420.000  | J   |     |       |
| P3671-13                             | S-912-J-SO-0-0.5-081924 | Solid  | Eucalyptol                         | *             | 350.000  | J   |     |       |
| P3671-13                             | S-912-J-SO-0-0.5-081924 | Solid  | Hexacosane                         | *             | 320.000  | J   |     |       |
| P3671-13                             | S-912-J-SO-0-0.5-081924 | Solid  | n-Hexadecanoic acid                | *             | 780.000  | J   |     |       |
| P3671-13                             | S-912-J-SO-0-0.5-081924 | Solid  | Octadecanoic acid                  | *             | 290.000  | J   |     |       |
| P3671-13                             | S-912-J-SO-0-0.5-081924 | Solid  | Propylene Glycol                   | *             | 310.000  | J   |     |       |
| Total Tics :                         |                         |        |                                    |               | 4,670.00 |     |     |       |
| Total Concentration:                 |                         |        |                                    |               | 4,670.00 |     |     |       |
| Client ID : S-912-J-SO-0.5-1-081924  |                         |        |                                    |               |          |     |     |       |
| P3671-14                             | S-912-J-SO-0.5-1-081924 | Solid  | 1-Heneicosanol                     | *             | 360.000  | J   |     |       |
| P3671-14                             | S-912-J-SO-0.5-1-081924 | Solid  | 1-Phenoxypropan-2-ol               | *             | 160.000  | J   |     |       |
| P3671-14                             | S-912-J-SO-0.5-1-081924 | Solid  | 2-Pentanone, 4-hydroxy-4-methyl    | *             | 200.000  | A   |     |       |

### Hit Summary Sheet SW-846

SDG No.: BM082224

Client:

| Sample ID                       | Client ID               | Matrix | Parameter                         | Concentration | C               | MDL | RDL | Units |
|---------------------------------|-------------------------|--------|-----------------------------------|---------------|-----------------|-----|-----|-------|
| P3671-14                        | S-912-J-SO-0.5-1-081924 | Solid  | Eucalyptol                        | *             | 290.000         | J   |     |       |
| P3671-14                        | S-912-J-SO-0.5-1-081924 | Solid  | n-Hexadecanoic acid               | *             | 250.000         | J   |     |       |
| P3671-14                        | S-912-J-SO-0.5-1-081924 | Solid  | n-Nonadecanol-1                   | *             | 240.000         | J   |     |       |
| P3671-14                        | S-912-J-SO-0.5-1-081924 | Solid  | R-(-)-1,2-propanediol             | *             | 160.000         | J   |     |       |
| <b>Total Tics :</b>             |                         |        |                                   |               | <b>1,660.00</b> |     |     |       |
| <b>Total Concentration:</b>     |                         |        |                                   |               | <b>1,660.00</b> |     |     |       |
| <b>Client ID : Stock Pile-1</b> |                         |        |                                   |               |                 |     |     |       |
| P3685-01                        | Stock Pile-1            | Solid  | 1-Hexacosene                      | *             | 66.800          | J   |     |       |
| P3685-01                        | Stock Pile-1            | Solid  | 2-Pentanone, 4-hydroxy-4-methyl   | *             | 62.100          | A   |     |       |
| P3685-01                        | Stock Pile-1            | Solid  | Benzene, 1,1-(1,3-butadiyne-1,4-d | *             | 47.500          | J   |     |       |
| P3685-01                        | Stock Pile-1            | Solid  | n-Hexadecanoic acid               | *             | 220.000         | J   |     |       |
| P3685-01                        | Stock Pile-1            | Solid  | Octadecanoic acid                 | *             | 130.000         | J   |     |       |
| P3685-01                        | Stock Pile-1            | Solid  | Propylene Glycol                  | *             | 47.900          | J   |     |       |
| <b>Total Tics :</b>             |                         |        |                                   |               | <b>574.30</b>   |     |     |       |
| <b>Total Concentration:</b>     |                         |        |                                   |               | <b>574.30</b>   |     |     |       |
| <b>Client ID : Stock Pile-2</b> |                         |        |                                   |               |                 |     |     |       |
| P3685-03                        | Stock Pile-2            | Solid  | 1-Phenoxypropan-2-ol              | *             | 49.100          | J   |     |       |
| P3685-03                        | Stock Pile-2            | Solid  | 2-Pentanone, 4-hydroxy-4-methyl   | *             | 74.500          | A   |     |       |
| P3685-03                        | Stock Pile-2            | Solid  | n-Hexadecanoic acid               | *             | 85.500          | J   |     |       |
| P3685-03                        | Stock Pile-2            | Solid  | n-Tetracosanol-1                  | *             | 80.600          | J   |     |       |
| P3685-03                        | Stock Pile-2            | Solid  | Propylene Glycol                  | *             | 52.300          | J   |     |       |
| <b>Total Tics :</b>             |                         |        |                                   |               | <b>342.00</b>   |     |     |       |
| <b>Total Concentration:</b>     |                         |        |                                   |               | <b>342.00</b>   |     |     |       |



6C

## SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: \_\_\_\_\_  
Lab Code: CHEM Case No.: BM081024 SAS No.: BM081024 SDG No.: BM081024  
Instrument ID: \_\_\_\_\_ Calibration Date(s): 8/10/2024 : \_\_\_\_\_  
Calibration Time(s): 13:12 \_\_\_\_\_

|                             |        |                     |        |        |                     |        |                     |       |
|-----------------------------|--------|---------------------|--------|--------|---------------------|--------|---------------------|-------|
| LAB FILE ID:                |        | RRF2.5 = BM047140.D |        |        | RRF005 = BM047141.D |        | RRF010 = BM047142.D |       |
|                             |        | RRF020 = BM047143.D |        |        | RRF040 = BM047144.D |        | RRF050 = BM047145.D |       |
| COMPOUND                    | RRF2.5 | RRF005              | RRF010 | RRF020 | RRF040              | RRF050 | RRF                 | % RSD |
| n-Nitrosodimethylamine      |        | 0.643               | 0.612  | 0.629  | 0.570               | 0.564  | 0.594               | 5.7   |
| Pyridine                    |        | 1.448               | 1.390  | 1.458  | 1.302               | 1.299  | 1.360               | 5.2   |
| 2-Fluorophenol              |        | 1.215               | 1.184  | 1.197  | 1.071               | 1.050  | 1.119               | 6.7   |
| Benzaldehyde                |        | 1.187               | 1.048  | 1.024  | 0.776               | 0.750  | 0.904               | 23.4  |
| Aniline                     |        | 1.546               | 1.516  | 1.583  | 1.428               | 1.401  | 1.458               | 6.3   |
| Phenol-d6                   |        | 1.643               | 1.599  | 1.652  | 1.478               | 1.470  | 1.542               | 5.5   |
| Phenol                      |        | 1.695               | 1.600  | 1.645  | 1.453               | 1.450  | 1.539               | 6.8   |
| bis(2-Chloroethyl)ether     |        | 1.431               | 1.361  | 1.407  | 1.283               | 1.267  | 1.318               | 6.2   |
| 2-Chlorophenol              |        | 1.306               | 1.271  | 1.324  | 1.185               | 1.167  | 1.221               | 6.4   |
| 1,2-Dichlorobenzene         |        | 1.526               | 1.468  | 1.514  | 1.314               | 1.308  | 1.386               | 8.1   |
| 1,3-Dichlorobenzene         |        | 1.567               | 1.506  | 1.537  | 1.408               | 1.394  | 1.451               | 5.8   |
| 1,4-Dichlorobenzene         |        | 1.581               | 1.532  | 1.562  | 1.429               | 1.405  | 1.469               | 5.9   |
| Benzyl Alcohol              |        | 1.083               | 1.074  | 1.189  | 1.098               | 1.076  | 1.098               | 3.9   |
| 2-Methylphenol              |        | 1.064               | 1.055  | 1.115  | 1.003               | 0.998  | 1.027               | 5.2   |
| 2,2-oxybis(1-Chloropropane) |        | 1.904               | 1.777  | 1.859  | 1.659               | 1.616  | 1.691               | 9.5   |
| Acetophenone                |        | 0.547               | 0.517  | 0.510  | 0.462               | 0.450  | 0.483               | 8.6   |
| 3+4-Methylphenols           |        | 1.462               | 1.442  | 1.570  | 1.411               | 1.405  | 1.435               | 4.8   |
| n-Nitroso-di-n-propylamine  | 1.087  | 1.169               | 1.095  | 1.138  | 0.982               | 0.965  | 1.039               | 9.1   |
| Nitrobenzene-d5             |        | 0.423               | 0.417  | 0.420  | 0.390               | 0.378  | 0.397               | 5.5   |
| Hexachloroethane            |        | 0.609               | 0.577  | 0.600  | 0.551               | 0.553  | 0.569               | 4.8   |
| Nitrobenzene                |        | 0.425               | 0.427  | 0.428  | 0.393               | 0.380  | 0.400               | 6.4   |
| Isophorone                  |        | 0.712               | 0.706  | 0.732  | 0.688               | 0.668  | 0.692               | 3.8   |
| 2-Nitrophenol               |        | 0.156               | 0.166  | 0.180  | 0.182               | 0.182  | 0.177               | 6.6   |
| 2,4-Dimethylphenol          |        | 0.200               | 0.209  | 0.217  | 0.209               | 0.206  | 0.207               | 2.6   |
| bis(2-Chloroethoxy)methane  |        | 0.461               | 0.461  | 0.458  | 0.435               | 0.421  | 0.435               | 6.0   |
| 2,4-Dichlorophenol          |        | 0.289               | 0.300  | 0.318  | 0.312               | 0.310  | 0.308               | 3.3   |
| 1,2,4-Trichlorobenzene      |        | 0.357               | 0.352  | 0.359  | 0.346               | 0.340  | 0.348               | 2.3   |
| Benzoic acid                |        | 0.182               | 0.212  | 0.240  | 0.251               | 0.262  | 0.241               | 13.8  |
| Naphthalene                 |        | 1.075               | 1.041  | 1.042  | 0.966               | 0.949  | 0.996               | 5.5   |
| 4-Chloroaniline             |        | 0.382               | 0.393  | 0.409  | 0.385               | 0.374  | 0.383               | 3.8   |
| Hexachlorobutadiene         |        | 0.199               | 0.200  | 0.207  | 0.203               | 0.203  | 0.204               | 2.0   |
| Caprolactam                 |        | 0.098               | 0.103  | 0.112  | 0.109               | 0.107  | 0.107               | 4.5   |
| 4-Chloro-3-methylphenol     |        | 0.320               | 0.324  | 0.347  | 0.328               | 0.323  | 0.328               | 2.7   |
| 2-Methylnaphthalene         |        | 0.741               | 0.730  | 0.742  | 0.689               | 0.681  | 0.709               | 3.8   |
| Hexachlorocyclopentadiene   |        | 0.160               | 0.180  | 0.191  | 0.200               | 0.199  | 0.190               | 8.5   |
| 2,4,6-Trichlorophenol       |        | 0.355               | 0.372  | 0.394  | 0.399               | 0.394  | 0.388               | 4.5   |

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.: BM081024

SAS No.: BM081024

SDG No.: BM081024

Instrument ID: \_\_\_\_\_

Calibration Date(s): 8/10/2024 : \_\_\_\_\_

Calibration Time(s): 13:12 \_\_\_\_\_

|                            |        |                     |        |        |                     |        |                     |       |
|----------------------------|--------|---------------------|--------|--------|---------------------|--------|---------------------|-------|
| LAB FILE ID:               |        | RRF2.5 = BM047140.D |        |        | RRF005 = BM047141.D |        | RRF010 = BM047142.D |       |
|                            |        | RRF020 = BM047143.D |        |        | RRF040 = BM047144.D |        | RRF050 = BM047145.D |       |
| COMPOUND                   | RRF2.5 | RRF005              | RRF010 | RRF020 | RRF040              | RRF050 | RRF                 | % RSD |
| 2-Fluorobiphenyl           |        | 1.406               | 1.341  | 1.336  | 1.265               | 1.247  | 1.297               | 5.1   |
| 2,4,5-Trichlorophenol      |        | 0.410               | 0.410  | 0.438  | 0.437               | 0.436  | 0.430               | 3.4   |
| 1,1-Biphenyl               |        | 1.538               | 1.482  | 1.479  | 1.388               | 1.361  | 1.424               | 5.3   |
| 2-Chloronaphthalene        |        | 1.197               | 1.169  | 1.176  | 1.071               | 1.060  | 1.113               | 5.8   |
| 2-Nitroaniline             |        | 0.323               | 0.346  | 0.367  | 0.357               | 0.352  | 0.349               | 3.9   |
| Dimethylphthalate          |        | 1.472               | 1.433  | 1.468  | 1.379               | 1.343  | 1.397               | 4.4   |
| Acenaphthylene             |        | 1.719               | 1.699  | 1.732  | 1.602               | 1.575  | 1.640               | 4.5   |
| 2,6-Dinitrotoluene         |        | 0.311               | 0.325  | 0.337  | 0.328               | 0.326  | 0.327               | 2.6   |
| 3-Nitroaniline             |        | 0.310               | 0.317  | 0.344  | 0.331               | 0.328  | 0.327               | 3.5   |
| Acenaphthene               |        | 1.115               | 1.079  | 1.086  | 1.008               | 0.991  | 1.041               | 4.9   |
| 2,4-Dinitrophenol          |        |                     | 0.152  | 0.185  | 0.204               | 0.204  | 0.196               | 12.3  |
| 4-Nitrophenol              |        | 0.247               | 0.268  | 0.293  | 0.293               | 0.291  | 0.282               | 6.4   |
| Dibenzofuran               |        | 1.790               | 1.731  | 1.728  | 1.579               | 1.559  | 1.644               | 6.2   |
| 2,4-Dinitrotoluene         |        | 0.400               | 0.435  | 0.460  | 0.441               | 0.440  | 0.436               | 4.2   |
| Diethylphthalate           |        | 1.505               | 1.486  | 1.506  | 1.398               | 1.365  | 1.426               | 5.0   |
| 4-Chlorophenyl-phenylether |        | 0.681               | 0.663  | 0.663  | 0.621               | 0.619  | 0.646               | 3.8   |
| Fluorene                   |        | 1.469               | 1.428  | 1.426  | 1.309               | 1.290  | 1.356               | 6.0   |
| 4-Nitroaniline             |        | 0.300               | 0.324  | 0.346  | 0.319               | 0.317  | 0.322               | 4.2   |
| 4,6-Dinitro-2-methylphenol |        | 0.092               | 0.107  | 0.120  | 0.125               | 0.126  | 0.117               | 11.3  |
| n-Nitrosodiphenylamine     |        | 0.570               | 0.561  | 0.573  | 0.536               | 0.526  | 0.545               | 4.2   |
| Azobenzene                 |        | 1.455               | 1.445  | 1.457  | 1.314               | 1.280  | 1.352               | 7.1   |
| 2,4,6-Tribromophenol       |        | 0.222               | 0.233  | 0.248  | 0.232               | 0.228  | 0.232               | 3.6   |
| 4-Bromophenyl-phenylether  |        | 0.190               | 0.190  | 0.198  | 0.191               | 0.191  | 0.193               | 1.9   |
| Hexachlorobenzene          |        | 0.236               | 0.234  | 0.240  | 0.229               | 0.226  | 0.231               | 2.7   |
| Atrazine                   |        | 0.183               | 0.186  | 0.182  | 0.170               | 0.152  | 0.164               | 13.5  |
| Pentachlorophenol          |        | 0.141               | 0.152  | 0.165  | 0.168               | 0.166  | 0.162               | 6.9   |
| Phenanthrene               |        | 1.090               | 1.035  | 1.036  | 0.976               | 0.967  | 1.004               | 5.0   |
| Anthracene                 |        | 1.024               | 1.000  | 1.026  | 0.953               | 0.946  | 0.977               | 4.1   |
| Carbazole                  |        | 1.071               | 1.041  | 1.052  | 0.971               | 0.954  | 0.997               | 5.6   |
| Di-n-butylphthalate        |        | 1.175               | 1.187  | 1.223  | 1.165               | 1.134  | 1.160               | 3.5   |
| Fluoranthene               |        | 1.294               | 1.239  | 1.255  | 1.199               | 1.179  | 1.221               | 3.6   |
| Benzidine                  |        | 0.226               | 0.190  | 0.373  | 0.489               | 0.370  | 0.339               | 30.0  |
| Pyrene                     |        | 1.456               | 1.398  | 1.443  | 1.425               | 1.414  | 1.428               | 1.5   |
| Terphenyl-d14              |        | 0.924               | 0.916  | 0.958  | 0.937               | 0.928  | 0.933               | 1.6   |
| Butylbenzylphthalate       |        | 0.511               | 0.552  | 0.600  | 0.608               | 0.599  | 0.583               | 6.5   |
| 3,3-Dichlorobenzidine      |        | 0.373               | 0.390  | 0.439  | 0.443               | 0.427  | 0.415               | 6.2   |

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.: BM081024 SAS No.: BM081024 SDG No.: BM081024  
Instrument ID: \_\_\_\_\_ Calibration Date(s): 8/10/2024 : \_\_\_\_\_  
Calibration Time(s): 13:12 \_\_\_\_\_

|                            |        |                     |        |        |                     |        |                     |       |
|----------------------------|--------|---------------------|--------|--------|---------------------|--------|---------------------|-------|
| LAB FILE ID:               |        | RRF2.5 = BM047140.D |        |        | RRF005 = BM047141.D |        | RRF010 = BM047142.D |       |
|                            |        | RRF020 = BM047143.D |        |        | RRF040 = BM047144.D |        | RRF050 = BM047145.D |       |
| COMPOUND                   | RRF2.5 | RRF005              | RRF010 | RRF020 | RRF040              | RRF050 | RRF                 | % RSD |
| Benzo(a)anthracene         |        | 1.390               | 1.331  | 1.364  | 1.300               | 1.291  | 1.328               | 2.9   |
| Chrysene                   |        | 1.350               | 1.283  | 1.301  | 1.224               | 1.214  | 1.260               | 4.2   |
| Bis(2-ethylhexyl)phthalate |        | 0.771               | 0.808  | 0.867  | 0.845               | 0.832  | 0.826               | 3.8   |
| Di-n-octyl phthalate       |        | 1.212               | 1.316  | 1.430  | 1.457               | 1.450  | 1.405               | 7.3   |
| Benzo(b)fluoranthene       |        | 1.182               | 1.200  | 1.222  | 1.161               | 1.179  | 1.188               | 1.9   |
| Benzo(k)fluoranthene       |        | 1.192               | 1.134  | 1.175  | 1.097               | 1.059  | 1.122               | 4.4   |
| Benzo(a)pyrene             |        | 1.014               | 1.015  | 1.066  | 1.024               | 1.012  | 1.029               | 1.9   |
| Indeno(1,2,3-cd)pyrene     |        | 1.326               | 1.280  | 1.366  | 1.279               | 1.278  | 1.293               | 3.4   |
| Dibenzo(a,h)anthracene     |        | 1.096               | 1.051  | 1.119  | 1.021               | 1.021  | 1.046               | 4.4   |
| Benzo(g,h,i)perylene       |        | 1.119               | 1.082  | 1.162  | 1.076               | 1.082  | 1.086               | 4.4   |
| 1,2,4,5-Tetrachlorobenzene |        | 0.539               | 0.531  | 0.554  | 0.543               | 0.546  | 0.546               | 1.7   |
| 1,4-Dioxane                |        | 0.519               | 0.490  | 0.495  | 0.438               | 0.436  | 0.464               | 7.9   |
| 2,3,4,6-Tetrachlorophenol  |        | 0.333               | 0.345  | 0.369  | 0.355               | 0.354  | 0.354               | 3.4   |
| 1-Methylnaphthalene        |        | 0.737               | 0.726  | 0.735  | 0.681               | 0.668  | 0.701               | 4.3   |

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.: BM082224 SAS No.: BM082224 SDG NO.: BM082224

EPA Sample No.: SSTDICCC040 Date Analyzed: Aug 22 2024 12:00AM

Lab File ID: BM047144.D Time Analyzed: 09:54

Instrument ID: BNA\_M GC Column: ZB-GR ID: 0.25 (mm)

|                                | IS1 (DCB)<br>AREA # | RT #  | IS2 (NPT)<br>AREA # | RT #   | IS3 (ANT)<br>AREA # | RT #   |
|--------------------------------|---------------------|-------|---------------------|--------|---------------------|--------|
| 12 HOUR STD                    | 343346              | 7.375 | 1.38769e+01         | 10.13  | 915049              | 14.03  |
| UPPER LIMIT                    | 686692              | 7.875 | 2775380             | 10.634 | 1830098             | 14.533 |
| LOWER LIMIT                    | 171673              | 6.875 | 693845              | 9.634  | 457524.5            | 13.533 |
| EPA SAMPLE NO.                 |                     |       |                     |        |                     |        |
| 01 PB162876BL                  | 281766              | 7.35  | 1.07599e            | 10.10  | 756240              | 14.01  |
| 02 PB162876BS                  | 282445              | 7.35  | 1.07118e            | 10.11  | 710049              | 14.02  |
| 03 PB162574BL                  | 250016              | 7.35  | 923225              | 10.10  | 635900              | 14.01  |
| 04 PB162574BS                  | 283295              | 7.35  | 1.05858e            | 10.11  | 677511              | 14.02  |
| 05 PB162757BL                  | 292730              | 7.35  | 1.11149e            | 10.10  | 771992              | 14.01  |
| 06 S-912-J-SO-0.5-1-081924     | 251683              | 7.35  | 951089              | 10.10  | 635439              | 14.01  |
| 07 S-928-K1-SO-0-0.5-081924    | 278437              | 7.35  | 1.04635e            | 10.10  | 702300              | 14.01  |
| 08 S-912-J-SO-0-0.5-081924     | 255981              | 7.35  | 983498              | 10.10  | 648299              | 14.01  |
| 09 S-928-K1-SO-0.5-1-081924    | 256729              | 7.35  | 976076              | 10.10  | 648357              | 14.01  |
| 10 S-928-K1-SO-0.5-1-081924MS  | 265473              | 7.35  | 1.02674e            | 10.11  | 688419              | 14.02  |
| 11 S-928-K1-SO-0.5-1-081924MSD | 265079              | 7.35  | 1.03229e            | 10.10  | 681146              | 14.02  |
| 12 S-911-K1-SO-0-0.5-081924    | 309540              | 7.35  | 1.17257e            | 10.10  | 767719              | 14.01  |
| 13 S-911-K1-SO-0.5-1-081924    | 278538              | 7.35  | 1.07109e            | 10.10  | 711312              | 14.01  |
| 14 S-905-J-SO-0.5-1.0-081924   | 265711              | 7.35  | 1.0043e+            | 10.10  | 664742              | 14.01  |
| 15 Stock Pile-1                | 329615              | 7.35  | 1.22181e            | 10.10  | 787761              | 14.01  |
| 16 Stock Pile-2                | 335954              | 7.35  | 1.24123e            | 10.10  | 806623              | 14.01  |

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BM082224 SAS No.: BM082224 SDG NO.: BM082224

EPA Sample No.: SSTDICCC040 Date Analyzed: Aug 22 2024 12:00AM

Lab File ID: BM047144.D Time Analyzed: 19:49

Instrument ID: BNA\_M GC Column: ZB-GR ID: 0.25 (mm)

|                | IS1 (DCB)<br>AREA # | RT #  | IS2 (NPT)<br>AREA # | RT #   | IS3 (ANT)<br>AREA # | RT #   |
|----------------|---------------------|-------|---------------------|--------|---------------------|--------|
| 12 HOUR STD    | 343346              | 7.375 | 1.38769e+01         | 10.13  | 915049              | 14.03  |
| UPPER LIMIT    | 686692              | 7.875 | 2775380             | 10.634 | 1830098             | 14.533 |
| LOWER LIMIT    | 171673              | 6.875 | 693845              | 9.634  | 457524.5            | 13.533 |
| EPA SAMPLE NO. |                     |       |                     |        |                     |        |

IS1 (DCB) = 1,4-Dichlorobenzene-d4

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

# Column used to flag values outside QC limits with an asterisk.

\* Values outside of QC limits.

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BM082224 SAS No.: BM082224 SDG NO.: BM082224

EPA Sample No.: SSTDCCC040

Date Analyzed: Aug 22 2024 12:00AM

Lab File ID: BM047308.D

Time Analyzed: 09:54

Instrument ID: BNA\_M

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

|                                | IS1 (DCB)<br>AREA # | RT #  | IS2 (NPT)<br>AREA # | RT #  | IS3 (ANT)<br>AREA # | RT #   |
|--------------------------------|---------------------|-------|---------------------|-------|---------------------|--------|
| 12 HOUR STD                    | 315372              | 7.351 | 1.2118e+00          | 10.11 | 822573              | 14.02  |
| UPPER LIMIT                    | 630744              | 7.851 | 2423600             | 10.61 | 1645146             | 14.516 |
| LOWER LIMIT                    | 157686              | 6.851 | 605900              | 9.61  | 411286.5            | 13.516 |
| EPA SAMPLE NO.                 |                     |       |                     |       |                     |        |
| 01 PB162876BL                  | 281766              | 7.35  | 1.07599e            | 10.10 | 756240              | 14.01  |
| 02 PB162876BS                  | 282445              | 7.35  | 1.07118e            | 10.11 | 710049              | 14.02  |
| 03 PB162574BL                  | 250016              | 7.35  | 923225              | 10.10 | 635900              | 14.01  |
| 04 PB162574BS                  | 283295              | 7.35  | 1.05858e            | 10.11 | 677511              | 14.02  |
| 05 PB162757BL                  | 292730              | 7.35  | 1.11149e            | 10.10 | 771992              | 14.01  |
| 06 S-912-J-SO-0.5-1-081924     | 251683              | 7.35  | 951089              | 10.10 | 635439              | 14.01  |
| 07 S-928-K1-SO-0-0.5-081924    | 278437              | 7.35  | 1.04635e            | 10.10 | 702300              | 14.01  |
| 08 S-912-J-SO-0-0.5-081924     | 255981              | 7.35  | 983498              | 10.10 | 648299              | 14.01  |
| 09 S-928-K1-SO-0.5-1-081924    | 256729              | 7.35  | 976076              | 10.10 | 648357              | 14.01  |
| 10 S-928-K1-SO-0.5-1-081924MS  | 265473              | 7.35  | 1.02674e            | 10.11 | 688419              | 14.02  |
| 11 S-928-K1-SO-0.5-1-081924MSD | 265079              | 7.35  | 1.03229e            | 10.10 | 681146              | 14.02  |
| 12 S-911-K1-SO-0-0.5-081924    | 309540              | 7.35  | 1.17257e            | 10.10 | 767719              | 14.01  |
| 13 S-911-K1-SO-0.5-1-081924    | 278538              | 7.35  | 1.07109e            | 10.10 | 711312              | 14.01  |
| 14 S-905-J-SO-0.5-1.0-081924   | 265711              | 7.35  | 1.0043e+            | 10.10 | 664742              | 14.01  |
| 15 Stock Pile-1                | 329615              | 7.35  | 1.22181e            | 10.10 | 787761              | 14.01  |
| 16 Stock Pile-2                | 335954              | 7.35  | 1.24123e            | 10.10 | 806623              | 14.01  |

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BM082224 SAS No.: BM082224 SDG NO.: BM082224

EPA Sample No.: SSTDCCC040 Date Analyzed: Aug 22 2024 12:00AM

Lab File ID: BM047308.D Time Analyzed: 19:49

Instrument ID: BNA\_M GC Column: ZB-GR ID: 0.25 (mm)

|                | IS1 (DCB)<br>AREA # | RT #  | IS2 (NPT)<br>AREA # | RT #  | IS3 (ANT)<br>AREA # | RT #   |
|----------------|---------------------|-------|---------------------|-------|---------------------|--------|
| 12 HOUR STD    | 315372              | 7.351 | 1.2118e+00          | 10.11 | 822573              | 14.02  |
| UPPER LIMIT    | 630744              | 7.851 | 2423600             | 10.61 | 1645146             | 14.516 |
| LOWER LIMIT    | 157686              | 6.851 | 605900              | 9.61  | 411286.5            | 13.516 |
| EPA SAMPLE NO. |                     |       |                     |       |                     |        |

IS1 (DCB) = 1,4-Dichlorobenzene-d4

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

# Column used to flag values outside QC limits with an asterisk.

\* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BM082224 SAS No.: BM082224 SDG NO.: BM082224

EPA Sample No.: SSTDICCC040 Date Analyzed: Aug 22 2024 12:00AM

Lab File ID: BM047144.D Time Analyzed: 09:54

Instrument ID: BNA\_M GC Column: ZB-GR ID: 0.25 (mm)

|                                | IS4 (PHN)<br>AREA # | RT #   | IS5 (CRY)<br>AREA # | RT #   | IS6 (PRY)<br>AREA # | RT #   |
|--------------------------------|---------------------|--------|---------------------|--------|---------------------|--------|
| 12 HOUR STD                    | 1.90156e+01         | 16.792 | 1.67411e+           | 21.033 | 2.01924e+01         | 23.727 |
| UPPER LIMIT                    | 3803120             | 17.292 | 3348220             | 21.533 | 4038480             | 24.227 |
| LOWER LIMIT                    | 950780              | 16.292 | 837055              | 20.533 | 1009620             | 23.227 |
| EPA SAMPLE NO.                 |                     |        |                     |        |                     |        |
| 01 PB162876BL                  | 1.70443             | 16.77  | 1.65966e+           | 21.02  | 1.65186e+           | 23.71  |
| 02 PB162876BS                  | 1.47938             | 16.78  | 1.22366e+           | 21.02  | 1.27266e+           | 23.71  |
| 03 PB162574BL                  | 1.44546             | 16.77  | 1.31726e+           | 21.02  | 1.24101e+           | 23.71  |
| 04 PB162574BS                  | 1.36697             | 16.77  | 1.04344e+           | 21.02  | 1.10111e+           | 23.71  |
| 05 PB162757BL                  | 1.72466             | 16.77  | 1.58344e+           | 21.02  | 1.53487e+           | 23.71  |
| 06 S-912-J-SO-0.5-1-081924     | 1.37133             | 16.77  | 1.28373e+           | 21.02  | 1.3132e+0           | 23.71  |
| 07 S-928-K1-SO-0-0.5-081924    | 1.49086             | 16.77  | 1.31813e+           | 21.02  | 1.28551e+           | 23.71  |
| 08 S-912-J-SO-0-0.5-081924     | 1.38642             | 16.77  | 1.28547e+           | 21.02  | 1.32302e+           | 23.71  |
| 09 S-928-K1-SO-0.5-1-081924    | 1.36452             | 16.77  | 1.30517e+           | 21.02  | 1.32949e+           | 23.71  |
| 10 S-928-K1-SO-0.5-1-081924MS  | 1.44937             | 16.78  | 1.25356e+           | 21.02  | 1.33202e+           | 23.71  |
| 11 S-928-K1-SO-0.5-1-081924MSI | 1.43469             | 16.78  | 1.21624e+           | 21.02  | 1.26809e+           | 23.71  |
| 12 S-911-K1-SO-0-0.5-081924    | 1.59434             | 16.77  | 1.29971e+           | 21.02  | 1.23981e+           | 23.71  |
| 13 S-911-K1-SO-0.5-1-081924    | 1.46559             | 16.77  | 1.28378e+           | 21.02  | 1.21779e+           | 23.71  |
| 14 S-905-J-SO-0.5-1.0-081924   | 1.39149             | 16.77  | 1.22287e+           | 21.02  | 1.21345e+           | 23.71  |
| 15 Stock Pile-1                | 1.5848e             | 16.77  | 1.18437e+           | 21.02  | 1.16574e+           | 23.71  |
| 16 Stock Pile-2                | 1.63612             | 16.77  | 1.18334e+           | 21.02  | 1.17844e+           | 23.71  |

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BM082224 SAS No.: BM082224 SDG NO.: BM082224

EPA Sample No.: SSTDICCC040 Date Analyzed: Aug 22 2024 12:00AM

Lab File ID: BM047144.D Time Analyzed: 19:49

Instrument ID: BNA\_M GC Column: ZB-GR ID: 0.25 (mm)

|                | IS4 (PHN)<br>AREA # | RT #   | IS5 (CRY)<br>AREA # | RT #   | IS6 (PRY)<br>AREA # | RT #   |
|----------------|---------------------|--------|---------------------|--------|---------------------|--------|
| 12 HOUR STD    | 1.90156e+01         | 16.792 | 1.67411e+01         | 21.033 | 2.01924e+01         | 23.727 |
| UPPER LIMIT    | 3803120             | 17.292 | 3348220             | 21.533 | 4038480             | 24.227 |
| LOWER LIMIT    | 950780              | 16.292 | 837055              | 20.533 | 1009620             | 23.227 |
| 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.: BM082224 SAS No.: BM082224 SDG NO.: BM082224

EPA Sample No.: SSTDCCC040 Date Analyzed: Aug 22 2024 12:00AM

Lab File ID: BM047308.D Time Analyzed: 09:54

Instrument ID: BNA\_M GC Column: ZB-GR ID: 0.25 (mm)

|    |                             | IS4 (PHN)<br>AREA # | RT #  | IS5 (CRY)<br>AREA # | RT #   | IS6 (PRY)<br>AREA # | RT #   |
|----|-----------------------------|---------------------|-------|---------------------|--------|---------------------|--------|
|    | 12 HOUR STD                 | 1.76806e+01         | 16.78 | 1.53545e+           | 21.021 | 1.62925e+01         | 23.709 |
|    | UPPER LIMIT                 | 3536120             | 17.28 | 3070900             | 21.521 | 3258500             | 24.209 |
|    | LOWER LIMIT                 | 884030              | 16.28 | 767725              | 20.521 | 814625              | 23.209 |
|    | EPA SAMPLE NO.              |                     |       |                     |        |                     |        |
| 01 | PB162876BL                  | 1.70443             | 16.77 | 1.65966e+           | 21.02  | 1.65186e+           | 23.71  |
| 02 | PB162876BS                  | 1.47938             | 16.78 | 1.22366e+           | 21.02  | 1.27266e+           | 23.71  |
| 03 | PB162574BL                  | 1.44546             | 16.77 | 1.31726e+           | 21.02  | 1.24101e+           | 23.71  |
| 04 | PB162574BS                  | 1.36697             | 16.77 | 1.04344e+           | 21.02  | 1.10111e+           | 23.71  |
| 05 | PB162757BL                  | 1.72466             | 16.77 | 1.58344e+           | 21.02  | 1.53487e+           | 23.71  |
| 06 | S-912-J-SO-0.5-1-081924     | 1.37133             | 16.77 | 1.28373e+           | 21.02  | 1.3132e+0           | 23.71  |
| 07 | S-928-K1-SO-0-0.5-081924    | 1.49086             | 16.77 | 1.31813e+           | 21.02  | 1.28551e+           | 23.71  |
| 08 | S-912-J-SO-0-0.5-081924     | 1.38642             | 16.77 | 1.28547e+           | 21.02  | 1.32302e+           | 23.71  |
| 09 | S-928-K1-SO-0.5-1-081924    | 1.36452             | 16.77 | 1.30517e+           | 21.02  | 1.32949e+           | 23.71  |
| 10 | S-928-K1-SO-0.5-1-081924MS  | 1.44937             | 16.78 | 1.25356e+           | 21.02  | 1.33202e+           | 23.71  |
| 11 | S-928-K1-SO-0.5-1-081924MSI | 1.43469             | 16.78 | 1.21624e+           | 21.02  | 1.26809e+           | 23.71  |
| 12 | S-911-K1-SO-0-0.5-081924    | 1.59434             | 16.77 | 1.29971e+           | 21.02  | 1.23981e+           | 23.71  |
| 13 | S-911-K1-SO-0.5-1-081924    | 1.46559             | 16.77 | 1.28378e+           | 21.02  | 1.21779e+           | 23.71  |
| 14 | S-905-J-SO-0.5-1.0-081924   | 1.39149             | 16.77 | 1.22287e+           | 21.02  | 1.21345e+           | 23.71  |
| 15 | Stock Pile-1                | 1.5848e             | 16.77 | 1.18437e+           | 21.02  | 1.16574e+           | 23.71  |
| 16 | Stock Pile-2                | 1.63612             | 16.77 | 1.18334e+           | 21.02  | 1.17844e+           | 23.71  |

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BM082224 SAS No.: BM082224 SDG NO.: BM082224

EPA Sample No.: SSTDCCC040 Date Analyzed: Aug 22 2024 12:00AM

Lab File ID: BM047308.D Time Analyzed: 19:49

Instrument ID: BNA\_M GC Column: ZB-GR ID: 0.25 (mm)

|                | IS4 (PHN)<br>AREA # | RT #  | IS5 (CRY)<br>AREA # | RT #   | IS6 (PRY)<br>AREA # | RT #   |
|----------------|---------------------|-------|---------------------|--------|---------------------|--------|
| 12 HOUR STD    | 1.76806e+01         | 16.78 | 1.53545e+01         | 21.021 | 1.62925e+01         | 23.709 |
| UPPER LIMIT    | 3536120             | 17.28 | 3070900             | 21.521 | 3258500             | 24.209 |
| LOWER LIMIT    | 884030              | 16.28 | 767725              | 20.521 | 814625              | 23.209 |
| 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.: BM082224

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

Analytical Method: **8270E**

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

| Lab Sample ID | Parameter                   | Spike | Result | Unit  | Rec | RPD | RPD  |      | Low | Limits |     |
|---------------|-----------------------------|-------|--------|-------|-----|-----|------|------|-----|--------|-----|
|               |                             |       |        |       |     |     | Qual | Qual |     | High   | RPD |
| PB162574BS    | n-Nitrosodimethylamine      | 1700  | 1400   | ug/Kg | 82  |     |      |      | 57  | 103    |     |
|               | Pyridine                    | 1700  | 1100   | ug/Kg | 65  |     |      |      | 28  | 98     |     |
|               | Benzaldehyde                | 1700  |        | ug/Kg | 0   |     | *    |      | 10  | 133    |     |
|               | Aniline                     | 1700  | 1200   | ug/Kg | 71  |     |      |      | 38  | 100    |     |
|               | Phenol                      | 1700  | 1500   | ug/Kg | 88  |     |      |      | 62  | 112    |     |
|               | bis(2-Chloroethyl)ether     | 1700  | 1500   | ug/Kg | 88  |     |      |      | 60  | 101    |     |
|               | 2-Chlorophenol              | 1700  | 1700   | ug/Kg | 100 |     |      |      | 65  | 112    |     |
|               | 1,2-Dichlorobenzene         | 1700  | 1600   | ug/Kg | 94  |     |      |      | 51  | 102    |     |
|               | 1,3-Dichlorobenzene         | 1700  | 1500   | ug/Kg | 88  |     |      |      | 52  | 99     |     |
|               | 1,4-Dichlorobenzene         | 1700  | 1500   | ug/Kg | 88  |     |      |      | 52  | 100    |     |
|               | Benzyl Alcohol              | 1700  | 1600   | ug/Kg | 94  |     |      |      | 42  | 116    |     |
|               | 2-Methylphenol              | 1700  | 1600   | ug/Kg | 94  |     |      |      | 61  | 108    |     |
|               | 2,2-oxybis(1-Chloropropane) | 1700  | 1400   | ug/Kg | 82  |     |      |      | 51  | 100    |     |
|               | Acetophenone                | 1700  | 1400   | ug/Kg | 82  |     |      |      | 66  | 98     |     |
|               | 3+4-Methylphenols           | 1700  | 1500   | ug/Kg | 88  |     |      |      | 58  | 111    |     |
|               | N-Nitroso-di-n-propylamine  | 1700  | 1400   | ug/Kg | 82  |     |      |      | 63  | 95     |     |
|               | Hexachloroethane            | 1700  | 1500   | ug/Kg | 88  |     |      |      | 72  | 108    |     |
|               | Nitrobenzene                | 1700  | 1500   | ug/Kg | 88  |     |      |      | 57  | 101    |     |
|               | Isophorone                  | 1700  | 1600   | ug/Kg | 94  |     |      |      | 59  | 99     |     |
|               | 2-Nitrophenol               | 1700  | 1700   | ug/Kg | 100 |     |      |      | 61  | 111    |     |
|               | 2,4-Dimethylphenol          | 1700  | 1800   | ug/Kg | 106 |     |      |      | 46  | 141    |     |
|               | bis(2-Chloroethoxy)methane  | 1700  | 1600   | ug/Kg | 94  |     |      |      | 66  | 97     |     |
|               | 2,4-Dichlorophenol          | 1700  | 1800   | ug/Kg | 106 |     |      |      | 62  | 107    |     |
|               | 1,2,4-Trichlorobenzene      | 1700  | 1700   | ug/Kg | 100 |     |      |      | 44  | 110    |     |
|               | Benzoic acid                | 1700  | 1400   | ug/Kg | 82  |     |      |      | 10  | 140    |     |
|               | Naphthalene                 | 1700  | 1600   | ug/Kg | 94  |     |      |      | 62  | 100    |     |
|               | 4-Chloroaniline             | 1700  | 840    | ug/Kg | 49  |     |      |      | 16  | 100    |     |
|               | Hexachlorobutadiene         | 1700  | 1800   | ug/Kg | 106 |     | *    |      | 53  | 98     |     |
|               | Caprolactam                 | 1700  | 1500   | ug/Kg | 88  |     |      |      | 67  | 110    |     |
|               | 4-Chloro-3-methylphenol     | 1700  | 1600   | ug/Kg | 94  |     |      |      | 58  | 112    |     |
|               | 2-Methylnaphthalene         | 1700  | 1600   | ug/Kg | 94  |     |      |      | 60  | 104    |     |
|               | Hexachlorocyclopentadiene   | 3300  | 5300   | ug/Kg | 161 |     |      |      | 45  | 165    |     |
|               | 2,4,6-Trichlorophenol       | 1700  | 1800   | ug/Kg | 106 |     | *    |      | 59  | 102    |     |
|               | 2,4,5-Trichlorophenol       | 1700  | 1700   | ug/Kg | 100 |     | *    |      | 61  | 98     |     |
|               | 1,1-Biphenyl                | 1700  | 1500   | ug/Kg | 88  |     |      |      | 57  | 103    |     |
|               | 2-Chloronaphthalene         | 1700  | 1600   | ug/Kg | 94  |     |      |      | 58  | 99     |     |
|               | 2-Nitroaniline              | 1700  | 1600   | ug/Kg | 94  |     |      |      | 66  | 101    |     |
|               | Dimethylphthalate           | 1700  | 1700   | ug/Kg | 100 |     | *    |      | 61  | 99     |     |
|               | Acenaphthylene              | 1700  | 1800   | ug/Kg | 106 |     | *    |      | 63  | 101    |     |
|               | 2,6-Dinitrotoluene          | 1700  | 1600   | ug/Kg | 94  |     |      |      | 61  | 104    |     |
|               | 3-Nitroaniline              | 1700  | 1100   | ug/Kg | 65  |     |      |      | 28  | 100    |     |
|               | Acenaphthene                | 1700  | 1600   | ug/Kg | 94  |     |      |      | 57  | 104    |     |
|               | Total PAH                   | 27200 | 27300  | ug/Kg | 100 |     |      |      | 57  | 104    |     |
|               | 2,4-Dinitrophenol           | 3300  | 3300   | ug/Kg | 100 |     |      |      | 37  | 128    |     |

## Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: **BM082224**

Client:

Analytical Method: **8270E**

DataFile:

| Lab Sample ID | Parameter                         | Spike | Result | Unit  | Rec | RPD | RPD  |      | Low | Limits |     |
|---------------|-----------------------------------|-------|--------|-------|-----|-----|------|------|-----|--------|-----|
|               |                                   |       |        |       |     |     | Qual | Qual |     | High   | RPD |
| PB162574BS    | 4-Nitrophenol                     | 3300  | 2800   | ug/Kg | 85  |     |      |      | 48  | 119    |     |
|               | Dibenzofuran                      | 1700  | 1700   | ug/Kg | 100 |     | *    |      | 63  | 99     |     |
|               | 2,4-Dinitrotoluene/2,6-Dinitrotol | 3400  | 3200   | ug/Kg | 94  |     |      |      | 60  | 106    |     |
|               | 2,4-Dinitrotoluene                | 1700  | 1600   | ug/Kg | 94  |     |      |      | 60  | 106    |     |
|               | Diethylphthalate                  | 1700  | 1600   | ug/Kg | 94  |     |      |      | 60  | 101    |     |
|               | 4-Chlorophenyl-phenylether        | 1700  | 1700   | ug/Kg | 100 |     | *    |      | 58  | 98     |     |
|               | Fluorene                          | 1700  | 1600   | ug/Kg | 94  |     |      |      | 61  | 101    |     |
|               | 4-Nitroaniline                    | 1700  | 1500   | ug/Kg | 88  |     |      |      | 64  | 103    |     |
|               | 4,6-Dinitro-2-methylphenol        | 1700  | 1900   | ug/Kg | 112 |     |      |      | 76  | 113    |     |
|               | N-Nitrosodiphenylamine            | 1700  | 1800   | ug/Kg | 106 |     | *    |      | 71  | 99     |     |
|               | Azobenzene                        | 1700  | 1500   | ug/Kg | 88  |     |      |      | 54  | 103    |     |
|               | 4-Bromophenyl-phenylether         | 1700  | 1800   | ug/Kg | 106 |     | *    |      | 66  | 102    |     |
|               | Hexachlorobenzene                 | 1700  | 1800   | ug/Kg | 106 |     | *    |      | 64  | 98     |     |
|               | Atrazine                          | 1700  | 2000   | ug/Kg | 118 |     |      |      | 47  | 152    |     |
|               | Pentachlorophenol                 | 3300  | 3200   | ug/Kg | 97  |     |      |      | 67  | 105    |     |
|               | Phenanthrene                      | 1700  | 1700   | ug/Kg | 100 |     |      |      | 59  | 103    |     |
|               | Anthracene                        | 1700  | 1800   | ug/Kg | 106 |     | *    |      | 61  | 105    |     |
|               | Carbazole                         | 1700  | 1600   | ug/Kg | 94  |     |      |      | 61  | 99     |     |
|               | Di-n-butylphthalate               | 1700  | 1700   | ug/Kg | 100 |     |      |      | 58  | 104    |     |
|               | Fluoranthene                      | 1700  | 1600   | ug/Kg | 94  |     |      |      | 57  | 107    |     |
|               | Benzidine                         | 3300  | 2400   | ug/Kg | 73  |     |      |      | 10  | 98     |     |
|               | Pyrene                            | 1700  | 1800   | ug/Kg | 106 |     | *    |      | 59  | 103    |     |
|               | Butylbenzylphthalate              | 1700  | 1900   | ug/Kg | 112 |     | *    |      | 55  | 103    |     |
|               | 3,3-Dichlorobenzidine             | 1700  | 1600   | ug/Kg | 94  |     | *    |      | 42  | 91     |     |
|               | Benzo(a)anthracene                | 1700  | 1800   | ug/Kg | 106 |     | *    |      | 60  | 102    |     |
|               | Chrysene                          | 1700  | 1700   | ug/Kg | 100 |     |      |      | 59  | 101    |     |
|               | bis(2-Ethylhexyl)phthalate        | 1700  | 1900   | ug/Kg | 112 |     |      |      | 54  | 135    |     |
|               | Di-n-octyl phthalate              | 1700  | 1900   | ug/Kg | 112 |     |      |      | 52  | 137    |     |
|               | Benzo(b)fluoranthene              | 1700  | 1700   | ug/Kg | 100 |     |      |      | 62  | 109    |     |
|               | Benzo(k)fluoranthene              | 1700  | 1800   | ug/Kg | 106 |     |      |      | 62  | 109    |     |
|               | Benzo(a)pyrene                    | 1700  | 1800   | ug/Kg | 106 |     | *    |      | 63  | 103    |     |
|               | Indeno(1,2,3-cd)pyrene            | 1700  | 1700   | ug/Kg | 100 |     |      |      | 63  | 101    |     |
|               | Dibenz(a,h)anthracene             | 1700  | 1700   | ug/Kg | 100 |     |      |      | 61  | 112    |     |
|               | Benzo(g,h,i)perylene              | 1700  | 1600   | ug/Kg | 94  |     |      |      | 70  | 108    |     |
|               | 1,2,4,5-Tetrachlorobenzene        | 1700  | 1700   | ug/Kg | 100 |     |      |      | 53  | 101    |     |
|               | 1,4-Dioxane                       | 1700  | 1100   | ug/Kg | 65  |     |      |      | 50  | 96     |     |
|               | 2,3,4,6-Tetrachlorophenol         | 1700  | 1900   | ug/Kg | 112 |     | *    |      | 59  | 108    |     |
|               | 1-Methylnaphthalene               | 1700  | 1500   | ug/Kg | 88  |     |      |      | 70  | 130    |     |

**Laboratory Control Sample/Laboratory Control Sample Duplicate Summary**

SW-846

SDG No.: **BM082224**

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

Analytical Method: **8270E**

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

| Lab Sample ID | Parameter                   | Spike | Result | Unit  | Rec | RPD | Qual | RPD  |     | Limits |  | RPD |
|---------------|-----------------------------|-------|--------|-------|-----|-----|------|------|-----|--------|--|-----|
|               |                             |       |        |       |     |     |      | Qual | Low | High   |  |     |
| PB162876BS    | n-Nitrosodimethylamine      | 1700  | 1200   | ug/Kg | 71  |     |      |      | 57  | 103    |  |     |
|               | Pyridine                    | 1700  | 1000   | ug/Kg | 59  |     |      |      | 28  | 98     |  |     |
|               | Benzaldehyde                | 1700  | 900    | ug/Kg | 53  |     |      |      | 10  | 133    |  |     |
|               | Aniline                     | 1700  | 1400   | ug/Kg | 82  |     |      |      | 38  | 100    |  |     |
|               | Phenol                      | 1700  | 1400   | ug/Kg | 82  |     |      |      | 62  | 112    |  |     |
|               | bis(2-Chloroethyl)ether     | 1700  | 1300   | ug/Kg | 76  |     |      |      | 60  | 101    |  |     |
|               | 2-Chlorophenol              | 1700  | 1500   | ug/Kg | 88  |     |      |      | 65  | 112    |  |     |
|               | 1,2-Dichlorobenzene         | 1700  | 1400   | ug/Kg | 82  |     |      |      | 51  | 102    |  |     |
|               | 1,3-Dichlorobenzene         | 1700  | 1400   | ug/Kg | 82  |     |      |      | 52  | 99     |  |     |
|               | 1,4-Dichlorobenzene         | 1700  | 1400   | ug/Kg | 82  |     |      |      | 52  | 100    |  |     |
|               | Benzyl Alcohol              | 1700  | 1500   | ug/Kg | 88  |     |      |      | 42  | 116    |  |     |
|               | 2-Methylphenol              | 1700  | 1400   | ug/Kg | 82  |     |      |      | 61  | 108    |  |     |
|               | 2,2-oxybis(1-Chloropropane) | 1700  | 1300   | ug/Kg | 76  |     |      |      | 51  | 100    |  |     |
|               | Acetophenone                | 1700  | 1400   | ug/Kg | 82  |     |      |      | 66  | 98     |  |     |
|               | 3+4-Methylphenols           | 1700  | 1400   | ug/Kg | 82  |     |      |      | 58  | 111    |  |     |
|               | N-Nitroso-di-n-propylamine  | 1700  | 1300   | ug/Kg | 76  |     |      |      | 63  | 95     |  |     |
|               | Hexachloroethane            | 1700  | 1400   | ug/Kg | 82  |     |      |      | 72  | 108    |  |     |
|               | Nitrobenzene                | 1700  | 1300   | ug/Kg | 76  |     |      |      | 57  | 101    |  |     |
|               | Isophorone                  | 1700  | 1400   | ug/Kg | 82  |     |      |      | 59  | 99     |  |     |
|               | 2-Nitrophenol               | 1700  | 1600   | ug/Kg | 94  |     |      |      | 61  | 111    |  |     |
|               | 2,4-Dimethylphenol          | 1700  | 1900   | ug/Kg | 112 |     |      |      | 46  | 141    |  |     |
|               | bis(2-Chloroethoxy)methane  | 1700  | 1400   | ug/Kg | 82  |     |      |      | 66  | 97     |  |     |
|               | 2,4-Dichlorophenol          | 1700  | 1600   | ug/Kg | 94  |     |      |      | 62  | 107    |  |     |
|               | 1,2,4-Trichlorobenzene      | 1700  | 1500   | ug/Kg | 88  |     |      |      | 44  | 110    |  |     |
|               | Benzoic acid                | 1700  | 1400   | ug/Kg | 82  |     |      |      | 10  | 140    |  |     |
|               | Naphthalene                 | 1700  | 1400   | ug/Kg | 82  |     |      |      | 62  | 100    |  |     |
|               | 4-Chloroaniline             | 1700  | 1000   | ug/Kg | 59  |     |      |      | 16  | 100    |  |     |
|               | Hexachlorobutadiene         | 1700  | 1600   | ug/Kg | 94  |     |      |      | 53  | 98     |  |     |
|               | Caprolactam                 | 1700  | 1500   | ug/Kg | 88  |     |      |      | 67  | 110    |  |     |
|               | 4-Chloro-3-methylphenol     | 1700  | 1500   | ug/Kg | 88  |     |      |      | 58  | 112    |  |     |
|               | 2-Methylnaphthalene         | 1700  | 1500   | ug/Kg | 88  |     |      |      | 60  | 104    |  |     |
|               | Hexachlorocyclopentadiene   | 3300  | 5600   | ug/Kg | 170 |     | *    |      | 45  | 165    |  |     |
|               | 2,4,6-Trichlorophenol       | 1700  | 1600   | ug/Kg | 94  |     |      |      | 59  | 102    |  |     |
|               | 2,4,5-Trichlorophenol       | 1700  | 1600   | ug/Kg | 94  |     |      |      | 61  | 98     |  |     |
|               | 1,1-Biphenyl                | 1700  | 1400   | ug/Kg | 82  |     |      |      | 57  | 103    |  |     |
|               | 2-Chloronaphthalene         | 1700  | 1400   | ug/Kg | 82  |     |      |      | 58  | 99     |  |     |
|               | 2-Nitroaniline              | 1700  | 1400   | ug/Kg | 82  |     |      |      | 66  | 101    |  |     |
|               | Dimethylphthalate           | 1700  | 1500   | ug/Kg | 88  |     |      |      | 61  | 99     |  |     |
|               | Acenaphthylene              | 1700  | 1500   | ug/Kg | 88  |     |      |      | 63  | 101    |  |     |
|               | 2,6-Dinitrotoluene          | 1700  | 1500   | ug/Kg | 88  |     |      |      | 61  | 104    |  |     |
|               | 3-Nitroaniline              | 1700  | 1100   | ug/Kg | 65  |     |      |      | 28  | 100    |  |     |
|               | Acenaphthene                | 1700  | 1500   | ug/Kg | 88  |     |      |      | 57  | 104    |  |     |
|               | Total PAH                   | 27200 | 23900  | ug/Kg | 88  |     |      |      | 57  | 104    |  |     |
|               | 2,4-Dinitrophenol           | 3300  | 3300   | ug/Kg | 100 |     |      |      | 37  | 128    |  |     |

## Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: **BM082224**

Client:

Analytical Method: **8270E**

DataFile:

| Lab Sample ID | Parameter                        | Spike | Result | Unit  | Rec | RPD | Qual | RPD  | Limits |      | RPD |
|---------------|----------------------------------|-------|--------|-------|-----|-----|------|------|--------|------|-----|
|               |                                  |       |        |       |     |     |      | Qual | Low    | High |     |
| PB162876BS    | 4-Nitrophenol                    | 3300  | 2800   | ug/Kg | 85  |     |      |      | 48     | 119  |     |
|               | Dibenzofuran                     | 1700  | 1500   | ug/Kg | 88  |     |      |      | 63     | 99   |     |
|               | 2,4-Dinitrotoluene               | 1700  | 1500   | ug/Kg | 88  |     |      |      | 60     | 106  |     |
|               | 2,4-Dinitrotoluene/2,6-Dinitroto | 3400  | 3000   | ug/Kg | 88  |     |      |      | 60     | 106  |     |
|               | Diethylphthalate                 | 1700  | 1500   | ug/Kg | 88  |     |      |      | 60     | 101  |     |
|               | 4-Chlorophenyl-phenylether       | 1700  | 1500   | ug/Kg | 88  |     |      |      | 58     | 98   |     |
|               | Fluorene                         | 1700  | 1500   | ug/Kg | 88  |     |      |      | 61     | 101  |     |
|               | 4-Nitroaniline                   | 1700  | 1400   | ug/Kg | 82  |     |      |      | 64     | 103  |     |
|               | 4,6-Dinitro-2-methylphenol       | 1700  | 1600   | ug/Kg | 94  |     |      |      | 76     | 113  |     |
|               | N-Nitrosodiphenylamine           | 1700  | 1500   | ug/Kg | 88  |     |      |      | 71     | 99   |     |
|               | Azobenzene                       | 1700  | 1400   | ug/Kg | 82  |     |      |      | 54     | 103  |     |
|               | 4-Bromophenyl-phenylether        | 1700  | 1600   | ug/Kg | 94  |     |      |      | 66     | 102  |     |
|               | Hexachlorobenzene                | 1700  | 1600   | ug/Kg | 94  |     |      |      | 64     | 98   |     |
|               | Atrazine                         | 1700  | 2000   | ug/Kg | 118 |     |      |      | 47     | 152  |     |
|               | Pentachlorophenol                | 3300  | 3000   | ug/Kg | 91  |     |      |      | 67     | 105  |     |
|               | Phenanthrene                     | 1700  | 1500   | ug/Kg | 88  |     |      |      | 59     | 103  |     |
|               | Anthracene                       | 1700  | 1600   | ug/Kg | 94  |     |      |      | 61     | 105  |     |
|               | Carbazole                        | 1700  | 1500   | ug/Kg | 88  |     |      |      | 61     | 99   |     |
|               | Di-n-butylphthalate              | 1700  | 1500   | ug/Kg | 88  |     |      |      | 58     | 104  |     |
|               | Fluoranthene                     | 1700  | 1500   | ug/Kg | 88  |     |      |      | 57     | 107  |     |
|               | Benzidine                        | 3300  | 3300   | ug/Kg | 100 |     | *    |      | 10     | 98   |     |
|               | Pyrene                           | 1700  | 1600   | ug/Kg | 94  |     |      |      | 59     | 103  |     |
|               | Butylbenzylphthalate             | 1700  | 1700   | ug/Kg | 100 |     |      |      | 55     | 103  |     |
|               | 3,3-Dichlorobenzidine            | 1700  | 1500   | ug/Kg | 88  |     |      |      | 42     | 91   |     |
|               | Benzo(a)anthracene               | 1700  | 1500   | ug/Kg | 88  |     |      |      | 60     | 102  |     |
|               | Chrysene                         | 1700  | 1500   | ug/Kg | 88  |     |      |      | 59     | 101  |     |
|               | bis(2-Ethylhexyl)phthalate       | 1700  | 1700   | ug/Kg | 100 |     |      |      | 54     | 135  |     |
|               | Di-n-octyl phthalate             | 1700  | 1700   | ug/Kg | 100 |     |      |      | 52     | 137  |     |
|               | Benzo(b)fluoranthene             | 1700  | 1500   | ug/Kg | 88  |     |      |      | 62     | 109  |     |
|               | Benzo(k)fluoranthene             | 1700  | 1600   | ug/Kg | 94  |     |      |      | 62     | 109  |     |
|               | Benzo(a)pyrene                   | 1700  | 1600   | ug/Kg | 94  |     |      |      | 63     | 103  |     |
|               | Indeno(1,2,3-cd)pyrene           | 1700  | 1400   | ug/Kg | 82  |     |      |      | 63     | 101  |     |
|               | Dibenz(a,h)anthracene            | 1700  | 1400   | ug/Kg | 82  |     |      |      | 61     | 112  |     |
|               | Benzo(g,h,i)perylene             | 1700  | 1300   | ug/Kg | 76  |     |      |      | 70     | 108  |     |
|               | 1,2,4,5-Tetrachlorobenzene       | 1700  | 1600   | ug/Kg | 94  |     |      |      | 53     | 101  |     |
|               | 1,4-Dioxane                      | 1700  | 1100   | ug/Kg | 65  |     |      |      | 50     | 96   |     |
|               | 2,3,4,6-Tetrachlorophenol        | 1700  | 1700   | ug/Kg | 100 |     |      |      | 59     | 108  |     |
|               | 1-Methylnaphthalene              | 1700  | 1400   | ug/Kg | 82  |     |      |      | 70     | 130  |     |

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB162574BL

Lab Name: CHEMTECH

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

Lab Code: CHEM Case No.: BM082224

SAS No.: BM082224 SDG NO.: BM082224

Lab File ID: BM047311.D

Lab Sample ID: PB162574BL

Instrument ID: BNA\_M

Date Extracted: 08/08/2024

Matrix: (soil/water) Solid

Date Analyzed: 08/22/2024

Level: (low/med) LOW

Time Analyzed: 11:13

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 |
|-------------------|------------------|----------------|------------------|
| PB162574BS        | PB162574BS       | BM047312.D     | 08/22/2024       |

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

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB162757BL

Lab Name: CHEMTECH

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

Lab Code: CHEM Case No.: BM082224

SAS No.: BM082224 SDG NO.: BM082224

Lab File ID: BM047313.D

Lab Sample ID: PB162757BL

Instrument ID: BNA\_M

Date Extracted: 08/15/2024

Matrix: (soil/water) Water

Date Analyzed: 08/22/2024

Level: (low/med) LOW

Time Analyzed: 12:32

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 |
|-------------------|------------------|----------------|------------------|
|                   |                  |                |                  |

COMMENTS:

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB162876BL

Lab Name: CHEMTECH

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

Lab Code: CHEM Case No.: BM082224

SAS No.: BM082224 SDG NO.: BM082224

Lab File ID: BM047309.D

Lab Sample ID: PB162876BL

Instrument ID: BNA\_M

Date Extracted: 08/21/2024

Matrix: (soil/water) Solid

Date Analyzed: 08/22/2024

Level: (low/med) LOW

Time Analyzed: 09:54

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 |
|-----------------------------|------------------|----------------|------------------|
| PB162876BS                  | PB162876BS       | BM047310.D     | 08/22/2024       |
| S-912-J-SO-0.5-1-081924     | P3671-14         | BM047314.D     | 08/22/2024       |
| S-928-K1-SO-0-0.5-081924    | P3671-09         | BM047315.D     | 08/22/2024       |
| S-912-J-SO-0-0.5-081924     | P3671-13         | BM047316.D     | 08/22/2024       |
| S-928-K1-SO-0.5-1-081924    | P3671-10         | BM047317.D     | 08/22/2024       |
| S-928-K1-SO-0.5-1-081924MS  | P3671-10MS       | BM047318.D     | 08/22/2024       |
| S-928-K1-SO-0.5-1-081924MSD | P3671-10MSD      | BM047319.D     | 08/22/2024       |
| S-911-K1-SO-0-0.5-081924    | P3671-03         | BM047320.D     | 08/22/2024       |
| S-911-K1-SO-0.5-1-081924    | P3671-04         | BM047321.D     | 08/22/2024       |
| S-905-J-SO-0.5-1.0-081924   | P3671-08         | BM047322.D     | 08/22/2024       |
| Stock Pile-1                | P3685-01         | BM047323.D     | 08/22/2024       |
| Stock Pile-2                | P3685-03         | BM047324.D     | 08/22/2024       |

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

**Matrix Spike/Matrix Spike Duplicate Summary**

**SW-846**

**SDG No.:** BM082224

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

**Analytical Method:** 8270E

| Parameter                        | Spike | Sample Result                                       | Result | Units                       | Rec | Rec Qual | RPD | RPD Qual | Low | Limits High | RPD |
|----------------------------------|-------|-----------------------------------------------------|--------|-----------------------------|-----|----------|-----|----------|-----|-------------|-----|
| <b>Lab Sample ID: P3671-10MS</b> |       | <b>Client Sample ID: S-928-K1-SO-0.5-1-081924MS</b> |        | <b>DataFile: BM047318.D</b> |     |          |     |          |     |             |     |
| n-Nitrosodimethylamine           | 2900  |                                                     | 2300   | ug/Kg                       | 79  |          |     |          | 66  | 124         |     |
| Pyridine                         | 2900  |                                                     | 2000   | ug/Kg                       | 69  |          |     |          | 45  | 119         |     |
| Benzaldehyde                     | 2900  |                                                     | 1700   | ug/Kg                       | 59  |          |     |          | 10  | 86          |     |
| Aniline                          | 2900  |                                                     | 2100   | ug/Kg                       | 72  |          |     |          | 10  | 88          |     |
| Phenol                           | 2900  |                                                     | 2700   | ug/Kg                       | 93  |          |     |          | 67  | 126         |     |
| bis(2-Chloroethyl)ether          | 2900  |                                                     | 2500   | ug/Kg                       | 86  |          |     |          | 54  | 125         |     |
| 2-Chlorophenol                   | 2900  |                                                     | 2800   | ug/Kg                       | 97  |          |     |          | 79  | 107         |     |
| 1,2-Dichlorobenzene              | 2900  |                                                     | 2600   | ug/Kg                       | 90  |          |     |          | 61  | 105         |     |
| 1,3-Dichlorobenzene              | 2900  |                                                     | 2600   | ug/Kg                       | 90  |          |     |          | 62  | 101         |     |
| 1,4-Dichlorobenzene              | 2900  |                                                     | 2500   | ug/Kg                       | 86  |          |     |          | 63  | 104         |     |
| Benzyl Alcohol                   | 2900  |                                                     | 2800   | ug/Kg                       | 97  |          |     |          | 47  | 126         |     |
| 2-Methylphenol                   | 2900  |                                                     | 2700   | ug/Kg                       | 93  |          |     |          | 66  | 122         |     |
| 2,2-oxybis(1-Chloropropane)      | 2900  |                                                     | 2400   | ug/Kg                       | 83  |          |     |          | 65  | 110         |     |
| Acetophenone                     | 2900  |                                                     | 2500   | ug/Kg                       | 86  |          |     |          | 75  | 111         |     |
| 3+4-Methylphenols                | 2900  |                                                     | 2700   | ug/Kg                       | 93  |          |     |          | 66  | 104         |     |
| N-Nitroso-di-n-propylamine       | 2900  |                                                     | 2400   | ug/Kg                       | 83  |          |     |          | 59  | 119         |     |
| Hexachloroethane                 | 2900  |                                                     | 2500   | ug/Kg                       | 86  |          |     |          | 65  | 117         |     |
| Nitrobenzene                     | 2900  |                                                     | 2500   | ug/Kg                       | 86  |          |     |          | 70  | 119         |     |
| Isophorone                       | 2900  |                                                     | 2600   | ug/Kg                       | 90  |          |     |          | 76  | 122         |     |
| 2-Nitrophenol                    | 2900  |                                                     | 2900   | ug/Kg                       | 100 |          |     |          | 54  | 145         |     |
| 2,4-Dimethylphenol               | 2900  |                                                     | 3500   | ug/Kg                       | 121 |          |     |          | 44  | 135         |     |
| bis(2-Chloroethoxy)methane       | 2900  |                                                     | 2600   | ug/Kg                       | 90  |          |     |          | 68  | 112         |     |
| 2,4-Dichlorophenol               | 2900  |                                                     | 3000   | ug/Kg                       | 103 |          |     |          | 72  | 118         |     |
| 1,2,4-Trichlorobenzene           | 2900  |                                                     | 2700   | ug/Kg                       | 93  |          |     |          | 57  | 103         |     |
| Benzoic acid                     | 2900  |                                                     | 2700   | ug/Kg                       | 93  |          |     |          | 50  | 104         |     |
| Naphthalene                      | 2900  |                                                     | 2600   | ug/Kg                       | 90  |          |     |          | 72  | 110         |     |
| 4-Chloroaniline                  | 2900  |                                                     | 1300   | ug/Kg                       | 45  |          |     |          | 10  | 91          |     |
| Hexachlorobutadiene              | 2900  |                                                     | 2900   | ug/Kg                       | 100 |          |     |          | 66  | 114         |     |
| Caprolactam                      | 2900  |                                                     | 2700   | ug/Kg                       | 93  |          |     |          | 51  | 134         |     |
| 4-Chloro-3-methylphenol          | 2900  |                                                     | 2800   | ug/Kg                       | 97  |          |     |          | 57  | 132         |     |
| 2-Methylnaphthalene              | 2900  |                                                     | 2700   | ug/Kg                       | 93  |          |     |          | 59  | 123         |     |
| Hexachlorocyclopentadiene        | 5800  |                                                     | 9400   | ug/Kg                       | 162 |          |     |          | 10  | 175         |     |
| 2,4,6-Trichlorophenol            | 2900  |                                                     | 3000   | ug/Kg                       | 103 |          |     |          | 72  | 117         |     |
| 2,4,5-Trichlorophenol            | 2900  |                                                     | 2900   | ug/Kg                       | 100 |          |     |          | 72  | 117         |     |
| 1,1-Biphenyl                     | 2900  |                                                     | 2600   | ug/Kg                       | 90  |          |     |          | 75  | 113         |     |
| 2-Chloronaphthalene              | 2900  |                                                     | 2600   | ug/Kg                       | 90  |          |     |          | 67  | 118         |     |
| 2-Nitroaniline                   | 2900  |                                                     | 2600   | ug/Kg                       | 90  |          |     |          | 69  | 127         |     |
| Dimethylphthalate                | 2900  |                                                     | 2700   | ug/Kg                       | 93  |          |     |          | 70  | 113         |     |
| Acenaphthylene                   | 2900  |                                                     | 2800   | ug/Kg                       | 97  |          |     |          | 79  | 118         |     |
| 2,6-Dinitrotoluene               | 2900  |                                                     | 2600   | ug/Kg                       | 90  |          |     |          | 70  | 125         |     |
| 3-Nitroaniline                   | 2900  |                                                     | 2000   | ug/Kg                       | 69  |          |     |          | 30  | 99          |     |
| Acenaphthene                     | 2900  |                                                     | 2700   | ug/Kg                       | 93  |          |     |          | 70  | 121         |     |
| Total PAH                        | 46400 |                                                     | 43400  | ug/Kg                       | 94  |          |     |          | 70  | 121         |     |
| 2,4-Dinitrophenol                | 5800  |                                                     | 6100   | ug/Kg                       | 105 |          |     |          | 10  | 155         |     |
| 4-Nitrophenol                    | 5800  |                                                     | 5200   | ug/Kg                       | 90  |          |     |          | 45  | 133         |     |
| Dibenzofuran                     | 2900  |                                                     | 2700   | ug/Kg                       | 93  |          |     |          | 72  | 110         |     |

**Matrix Spike/Matrix Spike Duplicate Summary**

**SW-846**

**SDG No.:** BM082224

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

**Analytical Method:** 8270E

| Parameter                         | Spike | Sample Result | Result | Units | Rec | Rec Qual | RPD | RPD Qual | Low | Limits High | RPD |
|-----------------------------------|-------|---------------|--------|-------|-----|----------|-----|----------|-----|-------------|-----|
| 2,4-Dinitrotoluene                | 2900  |               | 2600   | ug/Kg | 90  |          |     |          | 55  | 128         |     |
| 2,4-Dinitrotoluene/2,6-Dinitrotol | 5800  |               | 5200   | ug/Kg | 90  |          |     |          | 55  | 128         |     |
| Diethylphthalate                  | 2900  |               | 2700   | ug/Kg | 93  |          |     |          | 70  | 112         |     |
| 4-Chlorophenyl-phenylether        | 2900  |               | 2800   | ug/Kg | 97  |          |     |          | 71  | 108         |     |
| Fluorene                          | 2900  |               | 2600   | ug/Kg | 90  |          |     |          | 68  | 116         |     |
| 4-Nitroaniline                    | 2900  |               | 2500   | ug/Kg | 86  |          |     |          | 55  | 120         |     |
| 4,6-Dinitro-2-methylphenol        | 2900  |               | 3000   | ug/Kg | 103 |          |     |          | 10  | 160         |     |
| N-Nitrosodiphenylamine            | 2900  |               | 2800   | ug/Kg | 97  |          |     |          | 73  | 118         |     |
| Azobenzene                        | 2900  |               | 2500   | ug/Kg | 86  |          |     |          | 73  | 110         |     |
| 4-Bromophenyl-phenylether         | 2900  |               | 2900   | ug/Kg | 100 |          |     |          | 65  | 121         |     |
| Hexachlorobenzene                 | 2900  |               | 2800   | ug/Kg | 97  |          |     |          | 67  | 118         |     |
| Atrazine                          | 2900  |               | 3600   | ug/Kg | 124 |          |     |          | 79  | 127         |     |
| Pentachlorophenol                 | 5800  |               | 5500   | ug/Kg | 95  |          |     |          | 47  | 128         |     |
| Phenanthrene                      | 2900  |               | 2700   | ug/Kg | 93  |          |     |          | 52  | 128         |     |
| Anthracene                        | 2900  |               | 2900   | ug/Kg | 100 |          |     |          | 62  | 124         |     |
| Carbazole                         | 2900  |               | 2700   | ug/Kg | 93  |          |     |          | 59  | 119         |     |
| Di-n-butylphthalate               | 2900  |               | 2700   | ug/Kg | 93  |          |     |          | 69  | 118         |     |
| Fluoranthene                      | 2900  |               | 2700   | ug/Kg | 93  |          |     |          | 44  | 125         |     |
| Benzidine                         | 5800  |               | 5900   | ug/Kg | 102 |          |     |          | 10  | 119         |     |
| Pyrene                            | 2900  |               | 2800   | ug/Kg | 97  |          |     |          | 26  | 142         |     |
| Butylbenzylphthalate              | 2900  |               | 3000   | ug/Kg | 103 |          |     |          | 64  | 126         |     |
| 3,3-Dichlorobenzidine             | 2900  |               | 2300   | ug/Kg | 79  |          |     |          | 33  | 116         |     |
| Benzo(a)anthracene                | 2900  |               | 2800   | ug/Kg | 97  |          |     |          | 71  | 114         |     |
| Chrysene                          | 2900  |               | 2800   | ug/Kg | 97  |          |     |          | 57  | 121         |     |
| bis(2-Ethylhexyl)phthalate        | 2900  |               | 3000   | ug/Kg | 103 |          |     |          | 42  | 169         |     |
| Di-n-octyl phthalate              | 2900  |               | 3100   | ug/Kg | 107 |          |     |          | 23  | 175         |     |
| Benzo(b)fluoranthene              | 2900  |               | 2800   | ug/Kg | 97  |          |     |          | 67  | 121         |     |
| Benzo(k)fluoranthene              | 2900  |               | 2900   | ug/Kg | 100 |          |     |          | 57  | 134         |     |
| Benzo(a)pyrene                    | 2900  |               | 2900   | ug/Kg | 100 |          |     |          | 70  | 142         |     |
| Indeno(1,2,3-cd)pyrene            | 2900  |               | 2600   | ug/Kg | 90  |          |     |          | 40  | 129         |     |
| Dibenz(a,h)anthracene             | 2900  |               | 2500   | ug/Kg | 86  |          |     |          | 43  | 123         |     |
| Benzo(g,h,i)perylene              | 2900  |               | 2300   | ug/Kg | 79  |          |     |          | 24  | 125         |     |
| 1,2,4,5-Tetrachlorobenzene        | 2900  |               | 2900   | ug/Kg | 100 |          |     |          | 69  | 124         |     |
| 1,4-Dioxane                       | 2900  |               | 2200   | ug/Kg | 76  |          |     |          | 46  | 112         |     |
| 2,3,4,6-Tetrachlorophenol         | 2900  |               | 3000   | ug/Kg | 103 |          |     |          | 69  | 112         |     |
| 1-Methylnaphthalene               | 2900  |               | 2500   | ug/Kg | 86  |          |     |          | 70  | 130         |     |

**Matrix Spike/Matrix Spike Duplicate Summary**

**SW-846**

**SDG No.:** BM082224

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

**Analytical Method:** 8270E

| Parameter                         | Spike | Sample Result                                        | Result | Units | Rec | Rec Qual                    | RPD | RPD Qual | Low | Limits High | RPD |
|-----------------------------------|-------|------------------------------------------------------|--------|-------|-----|-----------------------------|-----|----------|-----|-------------|-----|
| <b>Lab Sample ID: P3671-10MSD</b> |       | <b>Client Sample ID: S-928-K1-SO-0.5-1-081924MSD</b> |        |       |     | <b>DataFile: BM047319.D</b> |     |          |     |             |     |
| n-Nitrosodimethylamine            | 2900  |                                                      | 2400   | ug/Kg | 83  |                             | 5   |          | 66  | 124         | 20  |
| Pyridine                          | 2900  |                                                      | 2100   | ug/Kg | 72  |                             | 4   |          | 45  | 119         | 20  |
| Benzaldehyde                      | 2900  |                                                      | 1800   | ug/Kg | 62  |                             | 5   |          | 10  | 86          | 20  |
| Aniline                           | 2900  |                                                      | 2200   | ug/Kg | 76  |                             | 5   |          | 10  | 88          | 20  |
| Phenol                            | 2900  |                                                      | 2800   | ug/Kg | 97  |                             | 4   |          | 67  | 126         | 20  |
| bis(2-Chloroethyl)ether           | 2900  |                                                      | 2600   | ug/Kg | 90  |                             | 5   |          | 54  | 125         | 20  |
| 2-Chlorophenol                    | 2900  |                                                      | 3000   | ug/Kg | 103 |                             | 6   |          | 79  | 107         | 20  |
| 1,2-Dichlorobenzene               | 2900  |                                                      | 2800   | ug/Kg | 97  |                             | 7   |          | 61  | 105         | 20  |
| 1,3-Dichlorobenzene               | 2900  |                                                      | 2700   | ug/Kg | 93  |                             | 3   |          | 62  | 101         | 20  |
| 1,4-Dichlorobenzene               | 2900  |                                                      | 2700   | ug/Kg | 93  |                             | 8   |          | 63  | 104         | 20  |
| Benzyl Alcohol                    | 2900  |                                                      | 3000   | ug/Kg | 103 |                             | 6   |          | 47  | 126         | 20  |
| 2-Methylphenol                    | 2900  |                                                      | 2900   | ug/Kg | 100 |                             | 7   |          | 66  | 122         | 20  |
| 2,2-oxybis(1-Chloropropane)       | 2900  |                                                      | 2600   | ug/Kg | 90  |                             | 8   |          | 65  | 110         | 20  |
| Acetophenone                      | 2900  |                                                      | 2700   | ug/Kg | 93  |                             | 8   |          | 75  | 111         | 20  |
| 3+4-Methylphenols                 | 2900  |                                                      | 2800   | ug/Kg | 97  |                             | 4   |          | 66  | 104         | 20  |
| N-Nitroso-di-n-propylamine        | 2900  |                                                      | 2500   | ug/Kg | 86  |                             | 4   |          | 59  | 119         | 20  |
| Hexachloroethane                  | 2900  |                                                      | 2700   | ug/Kg | 93  |                             | 8   |          | 65  | 117         | 20  |
| Nitrobenzene                      | 2900  |                                                      | 2600   | ug/Kg | 90  |                             | 5   |          | 70  | 119         | 20  |
| Isophorone                        | 2900  |                                                      | 2700   | ug/Kg | 93  |                             | 3   |          | 76  | 122         | 20  |
| 2-Nitrophenol                     | 2900  |                                                      | 3100   | ug/Kg | 107 |                             | 7   |          | 54  | 145         | 20  |
| 2,4-Dimethylphenol                | 2900  |                                                      | 3700   | ug/Kg | 128 |                             | 6   |          | 44  | 135         | 20  |
| bis(2-Chloroethoxy)methane        | 2900  |                                                      | 2800   | ug/Kg | 97  |                             | 7   |          | 68  | 112         | 20  |
| 2,4-Dichlorophenol                | 2900  |                                                      | 3200   | ug/Kg | 110 |                             | 7   |          | 72  | 118         | 20  |
| 1,2,4-Trichlorobenzene            | 2900  |                                                      | 2900   | ug/Kg | 100 |                             | 7   |          | 57  | 103         | 20  |
| Benzoic acid                      | 2900  |                                                      | 2900   | ug/Kg | 100 |                             | 7   |          | 50  | 104         | 20  |
| Naphthalene                       | 2900  |                                                      | 2700   | ug/Kg | 93  |                             | 3   |          | 72  | 110         | 20  |
| 4-Chloroaniline                   | 2900  |                                                      | 1300   | ug/Kg | 45  |                             | 0   |          | 10  | 91          | 20  |
| Hexachlorobutadiene               | 2900  |                                                      | 3100   | ug/Kg | 107 |                             | 7   |          | 66  | 114         | 20  |
| Caprolactam                       | 2900  |                                                      | 2900   | ug/Kg | 100 |                             | 7   |          | 51  | 134         | 20  |
| 4-Chloro-3-methylphenol           | 2900  |                                                      | 2900   | ug/Kg | 100 |                             | 3   |          | 57  | 132         | 20  |
| 2-Methylnaphthalene               | 2900  |                                                      | 2800   | ug/Kg | 97  |                             | 4   |          | 59  | 123         | 20  |
| Hexachlorocyclopentadiene         | 5800  |                                                      | 10100  | ug/Kg | 174 |                             | 7   |          | 10  | 175         | 20  |
| 2,4,6-Trichlorophenol             | 2900  |                                                      | 3200   | ug/Kg | 110 |                             | 7   |          | 72  | 117         | 20  |
| 2,4,5-Trichlorophenol             | 2900  |                                                      | 3100   | ug/Kg | 107 |                             | 7   |          | 72  | 117         | 20  |
| 1,1-Biphenyl                      | 2900  |                                                      | 2800   | ug/Kg | 97  |                             | 7   |          | 75  | 113         | 20  |
| 2-Chloronaphthalene               | 2900  |                                                      | 2800   | ug/Kg | 97  |                             | 7   |          | 67  | 118         | 20  |
| 2-Nitroaniline                    | 2900  |                                                      | 2800   | ug/Kg | 97  |                             | 7   |          | 69  | 127         | 20  |
| Dimethylphthalate                 | 2900  |                                                      | 2900   | ug/Kg | 100 |                             | 7   |          | 70  | 113         | 20  |
| Acenaphthylene                    | 2900  |                                                      | 3000   | ug/Kg | 103 |                             | 6   |          | 79  | 118         | 20  |
| 2,6-Dinitrotoluene                | 2900  |                                                      | 2800   | ug/Kg | 97  |                             | 7   |          | 70  | 125         | 20  |
| 3-Nitroaniline                    | 2900  |                                                      | 2000   | ug/Kg | 69  |                             | 0   |          | 30  | 99          | 20  |
| Acenaphthene                      | 2900  |                                                      | 2900   | ug/Kg | 100 |                             | 7   |          | 70  | 121         | 20  |
| Total PAH                         | 46400 |                                                      | 46500  | ug/Kg | 100 |                             | 6   |          | 70  | 121         | 20  |
| 2,4-Dinitrophenol                 | 5800  |                                                      | 6500   | ug/Kg | 112 |                             | 6   |          | 10  | 155         | 20  |
| 4-Nitrophenol                     | 5800  |                                                      | 5500   | ug/Kg | 95  |                             | 5   |          | 45  | 133         | 20  |
| Dibenzofuran                      | 2900  |                                                      | 2900   | ug/Kg | 100 |                             | 7   |          | 72  | 110         | 20  |

**Matrix Spike/Matrix Spike Duplicate Summary**

**SW-846**

**SDG No.:** BM082224

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

**Analytical Method:** 8270E

| Parameter                         | Spike | Sample Result | Result | Units | Rec | Rec Qual | RPD | RPD Qual | Low | Limits High | RPD |
|-----------------------------------|-------|---------------|--------|-------|-----|----------|-----|----------|-----|-------------|-----|
| 2,4-Dinitrotoluene                | 2900  |               | 2800   | ug/Kg | 97  |          | 7   |          | 55  | 128         | 20  |
| 2,4-Dinitrotoluene/2,6-Dinitrotol | 5800  |               | 5600   | ug/Kg | 97  |          | 7   |          | 55  | 128         | 20  |
| Diethylphthalate                  | 2900  |               | 2800   | ug/Kg | 97  |          | 4   |          | 70  | 112         | 20  |
| 4-Chlorophenyl-phenylether        | 2900  |               | 2900   | ug/Kg | 100 |          | 3   |          | 71  | 108         | 20  |
| Fluorene                          | 2900  |               | 2800   | ug/Kg | 97  |          | 7   |          | 68  | 116         | 20  |
| 4-Nitroaniline                    | 2900  |               | 2700   | ug/Kg | 93  |          | 8   |          | 55  | 120         | 20  |
| 4,6-Dinitro-2-methylphenol        | 2900  |               | 3200   | ug/Kg | 110 |          | 7   |          | 10  | 160         | 20  |
| N-Nitrosodiphenylamine            | 2900  |               | 2900   | ug/Kg | 100 |          | 3   |          | 73  | 118         | 20  |
| Azobenzene                        | 2900  |               | 2600   | ug/Kg | 90  |          | 5   |          | 73  | 110         | 20  |
| 4-Bromophenyl-phenylether         | 2900  |               | 3100   | ug/Kg | 107 |          | 7   |          | 65  | 121         | 20  |
| Hexachlorobenzene                 | 2900  |               | 3000   | ug/Kg | 103 |          | 6   |          | 67  | 118         | 20  |
| Atrazine                          | 2900  |               | 3800   | ug/Kg | 131 | *        | 5   |          | 79  | 127         | 20  |
| Pentachlorophenol                 | 5800  |               | 5800   | ug/Kg | 100 |          | 5   |          | 47  | 128         | 20  |
| Phenanthrene                      | 2900  |               | 2900   | ug/Kg | 100 |          | 7   |          | 52  | 128         | 20  |
| Anthracene                        | 2900  |               | 3100   | ug/Kg | 107 |          | 7   |          | 62  | 124         | 20  |
| Carbazole                         | 2900  |               | 2800   | ug/Kg | 97  |          | 4   |          | 59  | 119         | 20  |
| Di-n-butylphthalate               | 2900  |               | 2900   | ug/Kg | 100 |          | 7   |          | 69  | 118         | 20  |
| Fluoranthene                      | 2900  |               | 2900   | ug/Kg | 100 |          | 7   |          | 44  | 125         | 20  |
| Benzdine                          | 5800  |               | 6400   | ug/Kg | 110 |          | 8   |          | 10  | 119         | 20  |
| Pyrene                            | 2900  |               | 3100   | ug/Kg | 107 |          | 10  |          | 26  | 142         | 20  |
| Butylbenzylphthalate              | 2900  |               | 3200   | ug/Kg | 110 |          | 7   |          | 64  | 126         | 20  |
| 3,3-Dichlorobenzidine             | 2900  |               | 2500   | ug/Kg | 86  |          | 8   |          | 33  | 116         | 20  |
| Benzo(a)anthracene                | 2900  |               | 3000   | ug/Kg | 103 |          | 6   |          | 71  | 114         | 20  |
| Chrysene                          | 2900  |               | 2900   | ug/Kg | 100 |          | 3   |          | 57  | 121         | 20  |
| bis(2-Ethylhexyl)phthalate        | 2900  |               | 3200   | ug/Kg | 110 |          | 7   |          | 42  | 169         | 20  |
| Di-n-octyl phthalate              | 2900  |               | 3300   | ug/Kg | 114 |          | 6   |          | 23  | 175         | 20  |
| Benzo(b)fluoranthene              | 2900  |               | 3000   | ug/Kg | 103 |          | 6   |          | 67  | 121         | 20  |
| Benzo(k)fluoranthene              | 2900  |               | 3100   | ug/Kg | 107 |          | 7   |          | 57  | 134         | 20  |
| Benzo(a)pyrene                    | 2900  |               | 3100   | ug/Kg | 107 |          | 7   |          | 70  | 142         | 20  |
| Indeno(1,2,3-cd)pyrene            | 2900  |               | 2800   | ug/Kg | 97  |          | 7   |          | 40  | 129         | 20  |
| Dibenz(a,h)anthracene             | 2900  |               | 2700   | ug/Kg | 93  |          | 8   |          | 43  | 123         | 20  |
| Benzo(g,h,i)perylene              | 2900  |               | 2500   | ug/Kg | 86  |          | 8   |          | 24  | 125         | 20  |
| 1,2,4,5-Tetrachlorobenzene        | 2900  |               | 3100   | ug/Kg | 107 |          | 7   |          | 69  | 124         | 20  |
| 1,4-Dioxane                       | 2900  |               | 2300   | ug/Kg | 79  |          | 4   |          | 46  | 112         | 20  |
| 2,3,4,6-Tetrachlorophenol         | 2900  |               | 3300   | ug/Kg | 114 | *        | 10  |          | 69  | 112         | 20  |
| 1-Methylnaphthalene               | 2900  |               | 2700   | ug/Kg | 93  |          | 8   |          | 70  | 130         | 20  |

## Surrogate Summary

SW-846

SDG No.: BM082224

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

Analytical Method: 8270E

| Lab Sample ID | Client ID  | Datafile   | Parameter            | Spike<br>(PPM) | Result<br>(PPM) | Recovery (%) | Qual | Limits (%) |      |
|---------------|------------|------------|----------------------|----------------|-----------------|--------------|------|------------|------|
|               |            |            |                      |                |                 |              |      | Low        | High |
| PB162574BL    | PB162574BL | BM047311.D | 2-Fluorophenol       | 150            | 113.53          | 76           |      | 18         | 112  |
|               |            |            | Phenol-d6            | 150            | 105.32          | 70           |      | 15         | 107  |
|               |            |            | Nitrobenzene-d5      | 100            | 72.17           | 72           |      | 18         | 107  |
|               |            |            | 2-Fluorobiphenyl     | 100            | 77.33           | 77           |      | 20         | 109  |
|               |            |            | 2,4,6-Tribromophenol | 150            | 128.97          | 86           |      | 10         | 116  |
|               |            |            | Terphenyl-d14        | 100            | 95.93           | 96           |      | 10         | 105  |
| PB162574BS    | PB162574BS | BM047312.D | 2-Fluorophenol       | 150            | 130.12          | 87           |      | 18         | 112  |
|               |            |            | Phenol-d6            | 150            | 120.98          | 81           |      | 15         | 107  |
|               |            |            | Nitrobenzene-d5      | 100            | 82.19           | 82           |      | 18         | 107  |
|               |            |            | 2-Fluorobiphenyl     | 100            | 91.87           | 92           |      | 20         | 109  |
|               |            |            | 2,4,6-Tribromophenol | 150            | 140.54          | 94           |      | 10         | 116  |
|               |            |            | Terphenyl-d14        | 100            | 120.43          | 120          | *    | 10         | 105  |

## Surrogate Summary

SW-846

SDG No.: BM082224

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

Analytical Method: 8270E

| Lab Sample ID | Client ID  | Datafile   | Parameter            | Spike<br>(PPM) | Result<br>(PPM) | Recovery (%) | Qual | Limits (%) |      |
|---------------|------------|------------|----------------------|----------------|-----------------|--------------|------|------------|------|
|               |            |            |                      |                |                 |              |      | Low        | High |
| PB162757BL    | PB162757BL | BM047313.D | 2-Fluorophenol       | 150            | 119.79          | 80           |      | 10         | 139  |
|               |            |            | Phenol-d6            | 150            | 110.81          | 74           |      | 10         | 134  |
|               |            |            | Nitrobenzene-d5      | 100            | 75.02           | 75           |      | 49         | 133  |
|               |            |            | 2-Fluorobiphenyl     | 100            | 79.10           | 79           |      | 52         | 132  |
|               |            |            | 2,4,6-Tribromophenol | 150            | 131.25          | 88           |      | 44         | 137  |
|               |            |            | Terphenyl-d14        | 100            | 96.36           | 96           |      | 48         | 125  |

## Surrogate Summary

SW-846

SDG No.: **BM082224**

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

Analytical Method: **8270E**

| Lab Sample ID | Client ID                     | Datafile | Parameter            | Spike<br>(PPM) | Result<br>(PPM) | Recovery (%) | Qual | Limits (%) |      |
|---------------|-------------------------------|----------|----------------------|----------------|-----------------|--------------|------|------------|------|
|               |                               |          |                      |                |                 |              |      | Low        | High |
| P3671-03      | S-911-K1-SO-0-0.5 BM047320.D  |          | 2-Fluorophenol       | 150            | 74.92           | 50           |      | 18         | 112  |
|               |                               |          | Phenol-d6            | 150            | 73.31           | 49           |      | 15         | 107  |
|               |                               |          | Nitrobenzene-d5      | 100            | 49.23           | 49           |      | 18         | 107  |
|               |                               |          | 2-Fluorobiphenyl     | 100            | 48.68           | 49           |      | 20         | 109  |
|               |                               |          | 2,4,6-Tribromophenol | 150            | 83.78           | 56           |      | 10         | 116  |
|               |                               |          | Terphenyl-d14        | 100            | 56.04           | 56           |      | 10         | 105  |
| P3671-04      | S-911-K1-SO-0.5-1 BM047321.D  |          | 2-Fluorophenol       | 150            | 72.95           | 49           |      | 18         | 112  |
|               |                               |          | Phenol-d6            | 150            | 72.63           | 48           |      | 15         | 107  |
|               |                               |          | Nitrobenzene-d5      | 100            | 48.94           | 49           |      | 18         | 107  |
|               |                               |          | 2-Fluorobiphenyl     | 100            | 46.22           | 46           |      | 20         | 109  |
|               |                               |          | 2,4,6-Tribromophenol | 150            | 80.66           | 54           |      | 10         | 116  |
|               |                               |          | Terphenyl-d14        | 100            | 49.30           | 49           |      | 10         | 105  |
| P3671-08      | S-905-J-SO-0.5-1.0 BM047322.D |          | 2-Fluorophenol       | 150            | 71.63           | 48           |      | 18         | 112  |
|               |                               |          | Phenol-d6            | 150            | 69.04           | 46           |      | 15         | 107  |
|               |                               |          | Nitrobenzene-d5      | 100            | 45.75           | 46           |      | 18         | 107  |
|               |                               |          | 2-Fluorobiphenyl     | 100            | 40.27           | 40           |      | 20         | 109  |
|               |                               |          | 2,4,6-Tribromophenol | 150            | 76.56           | 51           |      | 10         | 116  |
|               |                               |          | Terphenyl-d14        | 100            | 44.78           | 45           |      | 10         | 105  |
| P3671-09      | S-928-K1-SO-0-0.5 BM047315.D  |          | 2-Fluorophenol       | 150            | 61.81           | 41           |      | 18         | 112  |
|               |                               |          | Phenol-d6            | 150            | 59.98           | 40           |      | 15         | 107  |
|               |                               |          | Nitrobenzene-d5      | 100            | 42.13           | 42           |      | 18         | 107  |
|               |                               |          | 2-Fluorobiphenyl     | 100            | 31.39           | 31           |      | 20         | 109  |
|               |                               |          | 2,4,6-Tribromophenol | 150            | 59.60           | 40           |      | 10         | 116  |
|               |                               |          | Terphenyl-d14        | 100            | 33.27           | 33           |      | 10         | 105  |
| P3671-10      | S-928-K1-SO-0.5-1 BM047317.D  |          | 2-Fluorophenol       | 150            | 88.44           | 59           |      | 18         | 112  |
|               |                               |          | Phenol-d6            | 150            | 85.48           | 57           |      | 15         | 107  |
|               |                               |          | Nitrobenzene-d5      | 100            | 56.19           | 56           |      | 18         | 107  |
|               |                               |          | 2-Fluorobiphenyl     | 100            | 49.89           | 50           |      | 20         | 109  |
|               |                               |          | 2,4,6-Tribromophenol | 150            | 93.82           | 63           |      | 10         | 116  |
|               |                               |          | Terphenyl-d14        | 100            | 50.56           | 51           |      | 10         | 105  |
| P3671-10MS    | S-928-K1-SO-0.5-1 BM047318.D  |          | 2-Fluorophenol       | 150            | 90.61           | 60           |      | 18         | 112  |
|               |                               |          | Phenol-d6            | 150            | 87.35           | 58           |      | 15         | 107  |
|               |                               |          | Nitrobenzene-d5      | 100            | 57.35           | 57           |      | 18         | 107  |
|               |                               |          | 2-Fluorobiphenyl     | 100            | 50.64           | 51           |      | 20         | 109  |
|               |                               |          | 2,4,6-Tribromophenol | 150            | 92.65           | 62           |      | 10         | 116  |
|               |                               |          | Terphenyl-d14        | 100            | 56.33           | 56           |      | 10         | 105  |
| P3671-10MSD   | S-928-K1-SO-0.5-1 BM047319.D  |          | 2-Fluorophenol       | 150            | 95.82           | 64           |      | 18         | 112  |
|               |                               |          | Phenol-d6            | 150            | 92.37           | 62           |      | 15         | 107  |
|               |                               |          | Nitrobenzene-d5      | 100            | 59.63           | 60           |      | 18         | 107  |
|               |                               |          | 2-Fluorobiphenyl     | 100            | 54.06           | 54           |      | 20         | 109  |
|               |                               |          | 2,4,6-Tribromophenol | 150            | 99.00           | 66           |      | 10         | 116  |
|               |                               |          | Terphenyl-d14        | 100            | 60.60           | 61           |      | 10         | 105  |
| P3671-13      | S-912-J-SO-0-0.5-0 BM047316.D |          | 2-Fluorophenol       | 150            | 77.83           | 52           |      | 18         | 112  |
|               |                               |          | Phenol-d6            | 150            | 74.99           | 50           |      | 15         | 107  |
|               |                               |          | Nitrobenzene-d5      | 100            | 51.40           | 51           |      | 18         | 107  |
|               |                               |          | 2-Fluorobiphenyl     | 100            | 36.82           | 37           |      | 20         | 109  |
|               |                               |          | 2,4,6-Tribromophenol | 150            | 70.48           | 47           |      | 10         | 116  |
|               |                               |          | Terphenyl-d14        | 100            | 30.73           | 31           |      | 10         | 105  |
| P3671-14      | S-912-J-SO-0.5-1-0 BM047314.D |          | 2-Fluorophenol       | 150            | 69.35           | 46           |      | 18         | 112  |

## Surrogate Summary

SW-846

SDG No.: **BM082224**

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

Analytical Method: **8270E**

| Lab Sample ID | Client ID          | Datafile   | Parameter            | Spike<br>(PPM) | Result<br>(PPM) | Recovery (%) | Qual | Limits (%) |      |
|---------------|--------------------|------------|----------------------|----------------|-----------------|--------------|------|------------|------|
|               |                    |            |                      |                |                 |              |      | Low        | High |
| P3671-14      | S-912-J-SO-0.5-1-0 | BM047314.D | Phenol-d6            | 150            | 65.33           | 44           |      | 15         | 107  |
|               |                    |            | Nitrobenzene-d5      | 100            | 44.93           | 45           |      | 18         | 107  |
|               |                    |            | 2-Fluorobiphenyl     | 100            | 37.05           | 37           |      | 20         | 109  |
|               |                    |            | 2,4,6-Tribromophenol | 150            | 68.65           | 46           |      | 10         | 116  |
|               |                    |            | Terphenyl-d14        | 100            | 34.75           | 35           |      | 10         | 105  |
| P3685-01      | Stock Pile-1       | BM047323.D | 2-Fluorophenol       | 150            | 65.84           | 44           |      | 18         | 112  |
|               |                    |            | Phenol-d6            | 150            | 61.22           | 41           |      | 15         | 107  |
|               |                    |            | Nitrobenzene-d5      | 100            | 42.37           | 42           |      | 18         | 107  |
|               |                    |            | 2-Fluorobiphenyl     | 100            | 42.69           | 43           |      | 20         | 109  |
|               |                    |            | 2,4,6-Tribromophenol | 150            | 71.33           | 48           |      | 10         | 116  |
| P3685-03      | Stock Pile-2       | BM047324.D | Terphenyl-d14        | 100            | 53.76           | 54           |      | 10         | 105  |
|               |                    |            | 2-Fluorophenol       | 150            | 78.48           | 52           |      | 18         | 112  |
|               |                    |            | Phenol-d6            | 150            | 72.50           | 48           |      | 15         | 107  |
|               |                    |            | Nitrobenzene-d5      | 100            | 50.13           | 50           |      | 18         | 107  |
|               |                    |            | 2-Fluorobiphenyl     | 100            | 52.51           | 53           |      | 20         | 109  |
| PB162876BL    | PB162876BL         | BM047309.D | 2,4,6-Tribromophenol | 150            | 86.07           | 57           |      | 10         | 116  |
|               |                    |            | Terphenyl-d14        | 100            | 66.74           | 67           |      | 10         | 105  |
|               |                    |            | 2-Fluorophenol       | 150            | 119.82          | 80           |      | 18         | 112  |
|               |                    |            | Phenol-d6            | 150            | 111.33          | 74           |      | 15         | 107  |
|               |                    |            | Nitrobenzene-d5      | 100            | 74.60           | 75           |      | 18         | 107  |
| PB162876BS    | PB162876BS         | BM047310.D | 2-Fluorobiphenyl     | 100            | 78.33           | 78           |      | 20         | 109  |
|               |                    |            | 2,4,6-Tribromophenol | 150            | 134.71          | 90           |      | 10         | 116  |
|               |                    |            | Terphenyl-d14        | 100            | 92.61           | 93           |      | 10         | 105  |
|               |                    |            | 2-Fluorophenol       | 150            | 128.81          | 86           |      | 18         | 112  |
|               |                    |            | Phenol-d6            | 150            | 120.33          | 80           |      | 15         | 107  |
|               |                    |            | Nitrobenzene-d5      | 100            | 80.69           | 81           |      | 18         | 107  |
|               |                    |            | 2-Fluorobiphenyl     | 100            | 88.77           | 89           |      | 20         | 109  |
|               |                    |            | 2,4,6-Tribromophenol | 150            | 141.55          | 94           |      | 10         | 116  |
|               |                    |            | Terphenyl-d14        | 100            | 113.32          | 113          | *    | 10         | 105  |

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK  
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: BM082224

Lab Code: CHEM

SAS No.: BM082224 SDG NO.: BM082224

Lab File ID: BM047307.D

DFTPP Injection Date: 08/22/2024

Instrument ID: BNA\_M

DFTPP Injection Time: 08:35

| m/e | ION ABUNDANCE CRITERIA             | % RELATIVE ABUNDANCE |
|-----|------------------------------------|----------------------|
| 51  | 10.0 - 80.0% of mass 198           | 25.4                 |
| 68  | Less than 2.0% of mass 69          | 0.5 ( 1.5 ) 1        |
| 69  | Mass 69 relative abundance         | 32.2                 |
| 70  | Less than 2.0% of mass 69          | 0.1 ( 0.4 ) 1        |
| 127 | 10.0 - 80.0% of mass 198           | 39.1                 |
| 197 | Less than 2.0% of mass 198         | 0.3                  |
| 198 | Base Peak, 100% relative abundance | 100                  |
| 199 | 5.0 to 9.0% of mass 198            | 6.9                  |
| 275 | 10.0 - 60.0% of mass 198           | 26.2                 |
| 365 | Greater than 1% of mass 198        | 3.2                  |
| 441 | Present, but less than mass 443    | 9.3                  |
| 442 | Greater than 50% of mass 198       | 59.7                 |
| 443 | 15.0 - 24.0% of mass 442           | 11.5 ( 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 |
|-----------------------------|------------------|----------------|------------------|------------------|
| SSTDCCC040                  | SSTDCCC040       | BM047308.D     | 08/22/2024       | 09:14            |
| PB162876BL                  | PB162876BL       | BM047309.D     | 08/22/2024       | 09:54            |
| PB162876BS                  | PB162876BS       | BM047310.D     | 08/22/2024       | 10:33            |
| PB162574BL                  | PB162574BL       | BM047311.D     | 08/22/2024       | 11:13            |
| PB162574BS                  | PB162574BS       | BM047312.D     | 08/22/2024       | 11:52            |
| PB162757BL                  | PB162757BL       | BM047313.D     | 08/22/2024       | 12:32            |
| S-912-J-SO-0.5-1-081924     | P3671-14         | BM047314.D     | 08/22/2024       | 13:11            |
| S-928-K1-SO-0-0.5-081924    | P3671-09         | BM047315.D     | 08/22/2024       | 13:51            |
| S-912-J-SO-0-0.5-081924     | P3671-13         | BM047316.D     | 08/22/2024       | 14:31            |
| S-928-K1-SO-0.5-1-081924    | P3671-10         | BM047317.D     | 08/22/2024       | 15:10            |
| S-928-K1-SO-0.5-1-081924MS  | P3671-10MS       | BM047318.D     | 08/22/2024       | 15:50            |
| S-928-K1-SO-0.5-1-081924MSD | P3671-10MSD      | BM047319.D     | 08/22/2024       | 16:30            |
| S-911-K1-SO-0-0.5-081924    | P3671-03         | BM047320.D     | 08/22/2024       | 17:10            |
| S-911-K1-SO-0.5-1-081924    | P3671-04         | BM047321.D     | 08/22/2024       | 17:50            |
| S-905-J-SO-0.5-1.0-081924   | P3671-08         | BM047322.D     | 08/22/2024       | 18:29            |
| Stock Pile-1                | P3685-01         | BM047323.D     | 08/22/2024       | 19:09            |
| Stock Pile-2                | P3685-03         | BM047324.D     | 08/22/2024       | 19:49            |