

## SEMIVOLATILE CONTINUING CALIBRATION CHECK

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

Lab Code: CHEM Case No.: BF030724 SAS No.: BF030724 SDG No.: BF030724

Instrument ID: BNA\_F Calibration Date/Time: 3/7/2024 12:13:11

Lab File ID: BF137526.D Init. Calib. Date(s): \_\_\_\_\_

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

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

| COMPOUND                    | RRF   | RRF040 | MIN<br>RRF | %D     | MAX%D |
|-----------------------------|-------|--------|------------|--------|-------|
| n-Nitrosodimethylamine      | 0.652 | 0.701  |            | 7.515  |       |
| Pyridine                    | 1.741 | 1.810  |            | 3.963  |       |
| 2-Fluorophenol              | 1.321 | 1.329  |            | 0.606  |       |
| Benzaldehyde                | 0.934 | 0.996  |            | 6.638  |       |
| Aniline                     | 2.329 | 2.389  |            | 2.576  |       |
| Phenol-d6                   | 1.906 | 1.857  |            | -2.571 |       |
| Phenol                      | 2.052 | 2.024  |            | -1.365 | 20.0  |
| bis(2-Chloroethyl)ether     | 1.503 | 1.482  |            | -1.397 |       |
| 2-Chlorophenol              | 1.393 | 1.381  |            | -0.861 |       |
| 1,2-Dichlorobenzene         | 1.398 | 1.323  |            | -5.365 |       |
| 1,3-Dichlorobenzene         | 1.488 | 1.482  |            | -0.403 |       |
| 1,4-Dichlorobenzene         | 1.523 | 1.484  |            | -2.561 | 20.0  |
| Benzyl Alcohol              | 1.187 | 1.247  |            | 5.055  |       |
| 2-Methylphenol              | 1.303 | 1.317  |            | 1.074  |       |
| 2,2-oxybis(1-Chloropropane) | 2.584 | 2.468  |            | -4.489 |       |
| Acetophenone                | 0.484 | 0.463  |            | -4.339 |       |
| 3+4-Methylphenols           | 1.493 | 1.451  |            | -2.813 |       |
| n-Nitroso-di-n-propylamine  | 1.177 | 1.133  | 0.050      | -3.738 |       |
| Nitrobenzene-d5             | 0.430 | 0.426  |            | -0.93  |       |
| Hexachloroethane            | 0.501 | 0.513  |            | 2.395  |       |
| Nitrobenzene                | 0.432 | 0.438  |            | 1.389  |       |
| Isophorone                  | 0.818 | 0.813  |            | -0.611 |       |
| 2-Nitrophenol               | 0.172 | 0.192  |            | 11.628 | 20.0  |
| 2,4-Dimethylphenol          | 0.321 | 0.318  |            | -0.935 |       |
| bis(2-Chloroethoxy)methane  | 0.480 | 0.486  |            | 1.25   |       |
| 2,4-Dichlorophenol          | 0.294 | 0.303  |            | 3.061  | 20.0  |
| 1,2,4-Trichlorobenzene      | 0.310 | 0.310  |            | 0.0    |       |
| Benzoic acid                | 0.167 | 0.173  |            | 3.593  |       |
| Naphthalene                 | 1.073 | 1.024  |            | -4.567 |       |
| 4-Chloroaniline             | 0.421 | 0.434  |            | 3.088  |       |
| Hexachlorobutadiene         | 0.183 | 0.182  |            | -0.546 | 20.0  |
| Caprolactam                 | 0.100 | 0.107  |            | 7.0    |       |
| 4-Chloro-3-methylphenol     | 0.329 | 0.332  |            | 0.912  | 20.0  |
| 2-Methylnaphthalene         | 0.684 | 0.659  |            | -3.655 |       |
| Hexachlorocyclopentadiene   | 0.180 | 0.339  | 0.050      | 88.333 |       |
| 2,4,6-Trichlorophenol       | 0.364 | 0.377  |            | 3.571  | 20.0  |
| 2-Fluorobiphenyl            | 1.278 | 1.164  |            | -8.92  |       |
| 2,4,5-Trichlorophenol       | 0.419 | 0.430  |            | 2.625  |       |
| 1,1-Biphenyl                | 1.464 | 1.410  |            | -3.689 |       |
| 2-Chloronaphthalene         | 1.116 | 1.089  |            | -2.419 |       |
| 2-Nitroaniline              | 0.379 | 0.419  |            | 10.554 |       |

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Instrument ID: BNA\_F Calibration Date/Time: 3/7/2024 12:13:11

Lab File ID: BF137526.D Init. Calib. Date(s): \_\_\_\_\_

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

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

| COMPOUND                     | RRF   | RRF040 | MIN RRF | %D     | MAX%D |
|------------------------------|-------|--------|---------|--------|-------|
| Dimethylphthalate            | 1.392 | 1.399  |         | 0.503  |       |
| Acenaphthylene               | 1.786 | 1.719  |         | -3.751 |       |
| 2,6-Dinitrotoluene           | 0.291 | 0.309  |         | 6.186  |       |
| 3-Nitroaniline               | 0.308 | 0.334  |         | 8.442  |       |
| Acenaphthene                 | 1.066 | 1.019  |         | -4.409 | 20.0  |
| 2,4-Dinitrophenol            | 0.111 | 0.136  | 0.050   | 22.523 |       |
| 4-Nitrophenol                | 0.190 | 0.218  | 0.050   | 14.737 |       |
| Dibenzofuran                 | 1.624 | 1.536  |         | -5.419 |       |
| 2,4-Dinitrotoluene           | 0.358 | 0.382  |         | 6.704  |       |
| Diethylphthalate             | 1.315 | 1.313  |         | -0.152 |       |
| 4-Chlorophenyl-phenylether   | 0.611 | 0.578  |         | -5.401 |       |
| Fluorene                     | 1.247 | 1.162  |         | -6.816 |       |
| 4-Nitroaniline               | 0.265 | 0.295  |         | 11.321 |       |
| 4,6-Dinitro-2-methylphenol   | 0.111 | 0.128  |         | 15.315 |       |
| n-Nitrosodiphenylamine       | 0.644 | 0.629  |         | -2.329 | 20.0  |
| Azobenzene                   | 1.514 | 1.486  |         | -1.849 |       |
| 2,4,6-Tribromophenol         | 0.176 | 0.191  |         | 8.523  |       |
| 4-Bromophenyl-phenylether    | 0.218 | 0.220  |         | 0.917  |       |
| Hexachlorobenzene            | 0.220 | 0.222  |         | 0.909  |       |
| Atrazine                     | 0.196 | 0.205  |         | 4.592  |       |
| Pentachlorophenol            | 0.133 | 0.143  |         | 7.519  | 20.0  |
| Phenanthrene                 | 1.088 | 1.019  |         | -6.342 |       |
| Anthracene                   | 1.118 | 1.065  |         | -4.741 |       |
| Carbazole                    | 0.958 | 0.926  |         | -3.34  |       |
| Di-n-butylphthalate          | 1.139 | 1.158  |         | 1.668  |       |
| Fluoranthene                 | 1.064 | 1.023  |         | -3.853 | 20.0  |
| Benzidine                    | 0.489 | 0.532  |         | 8.793  |       |
| Pyrene                       | 1.962 | 1.986  |         | 1.223  |       |
| Terphenyl-d14                | 1.454 | 1.478  |         | 1.651  |       |
| Butylbenzylphthalate         | 0.501 | 0.662  |         | 32.136 |       |
| 3,3-Dichlorobenzidine        | 0.373 | 0.433  |         | 16.086 |       |
| Benzo (a) anthracene         | 1.402 | 1.364  |         | -2.71  |       |
| Chrysene                     | 1.417 | 1.388  |         | -2.047 |       |
| Bis (2-ethylhexyl) phthalate | 0.637 | 0.771  |         | 21.036 |       |
| Di-n-octyl phthalate         | 1.120 | 1.352  |         | 20.714 | 20.0  |
| Benzo (b) fluoranthene       | 1.183 | 1.166  |         | -1.437 |       |
| Benzo (k) fluoranthene       | 1.271 | 1.197  |         | -5.822 |       |
| Benzo (a) pyrene             | 1.166 | 1.168  |         | 0.172  | 20.0  |
| Indeno (1,2,3-cd) pyrene     | 1.316 | 1.394  |         | 5.927  |       |
| Dibenzo (a,h) anthracene     | 1.068 | 1.129  |         | 5.712  |       |
| Benzo (g,h,i) perylene       | 1.096 | 1.173  |         | 7.026  |       |



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## SEMIVOLATILE CONTINUING CALIBRATION CHECK

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

Lab Code: CHEM Case No.: BF030724 SAS No.: BF030724 SDG No.: BF030724

Instrument ID: BNA\_F Calibration Date/Time: 3/7/2024 12:13:11

Lab File ID: BF137526.D Init. Calib. Date(s): \_\_\_\_\_

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

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

| COMPOUND                   | RRF   | RRF040 | MIN<br>RRF | %D     | MAX%D |
|----------------------------|-------|--------|------------|--------|-------|
| 1,2,4,5-Tetrachlorobenzene | 0.558 | 0.554  |            | -0.717 |       |
| 1,4-Dioxane                | 0.722 | 0.708  |            | -1.939 | 20.0  |
| 2,3,4,6-Tetrachlorophenol  | 0.336 | 0.345  |            | 2.679  |       |
| 1-Methylnaphthalene        | 0.644 | 0.627  |            | -2.64  |       |

All other compounds must meet a minimum RRF of 0.010.

## Report of Analysis

|                    |                |                 |                      |
|--------------------|----------------|-----------------|----------------------|
| Client:            |                | Date Collected: | 3/6/2024 12:00:00 AM |
| Project:           |                | Date Received:  | 3/6/2024 12:00:00 AM |
| Client Sample ID:  | PB159470BL     | SDG No.:        | BF030724             |
| Lab Sample ID:     | PB159470BL     | 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 |
| BF137527.D        | 1         | 3/6/2024 12:00:00 AM | 3/7/2024 12:00:00 AM | PB159470      |

| CAS Number     | Parameter                   | Conc. | Qualifier | MDL  | LOD  | LOQ / CRQL | Units |
|----------------|-----------------------------|-------|-----------|------|------|------------|-------|
| <b>TARGETS</b> |                             |       |           |      |      |            |       |
| 62-75-9        | n-Nitrosodimethylamine      | 77.2  | U         | 77.2 | 270  | 330        | ug/Kg |
| 110-86-1       | Pyridine                    | 72.4  | U         | 72.4 | 130  | 170        | ug/Kg |
| 100-52-7       | Benzaldehyde                | 150   | U         | 150  | 270  | 330        | ug/Kg |
| 62-53-3        | Aniline                     | 120   | U         | 120  | 130  | 170        | ug/Kg |
| 108-95-2       | Phenol                      | 74.4  | U         | 74.4 | 130  | 170        | ug/Kg |
| 111-44-4       | bis(2-Chloroethyl)ether     | 89.7  | U         | 89.7 | 130  | 170        | ug/Kg |
| 95-57-8        | 2-Chlorophenol              | 72    | U         | 72   | 130  | 170        | ug/Kg |
| 95-50-1        | 1,2-Dichlorobenzene         | 81.6  | U         | 81.6 | 130  | 170        | ug/Kg |
| 541-73-1       | 1,3-Dichlorobenzene         | 88.4  | U         | 88.4 | 130  | 170        | ug/Kg |
| 106-46-7       | 1,4-Dichlorobenzene         | 82.3  | U         | 82.3 | 130  | 170        | ug/Kg |
| 100-51-6       | Benzyl Alcohol              | 98.7  | U         | 98.7 | 270  | 330        | ug/Kg |
| 95-48-7        | 2-Methylphenol              | 110   | U         | 110  | 130  | 170        | ug/Kg |
| 108-60-1       | 2,2-oxybis(1-Chloropropane) | 100   | U         | 100  | 130  | 170        | ug/Kg |
| 98-86-2        | Acetophenone                | 86.6  | U         | 86.6 | 130  | 170        | ug/Kg |
| 65794-96-9     | 3+4-Methylphenols           | 110   | U         | 110  | 270  | 330        | ug/Kg |
| 621-64-7       | n-Nitroso-di-n-propylamine  | 59    | U         | 59   | 79.9 | 79.9       | ug/Kg |
| 67-72-1        | Hexachloroethane            | 73.6  | U         | 73.6 | 130  | 170        | ug/Kg |
| 98-95-3        | Nitrobenzene                | 75.1  | U         | 75.1 | 130  | 170        | ug/Kg |
| 78-59-1        | Isophorone                  | 68.1  | U         | 68.1 | 130  | 170        | ug/Kg |
| 88-75-5        | 2-Nitrophenol               | 95    | U         | 95   | 130  | 170        | ug/Kg |
| 105-67-9       | 2,4-Dimethylphenol          | 99.5  | U         | 99.5 | 130  | 170        | ug/Kg |
| 111-91-1       | bis(2-Chloroethoxy)methane  | 110   | U         | 110  | 130  | 170        | ug/Kg |
| 120-83-2       | 2,4-Dichlorophenol          | 78    | U         | 78   | 130  | 170        | ug/Kg |
| 120-82-1       | 1,2,4-Trichlorobenzene      | 77.4  | U         | 77.4 | 130  | 170        | ug/Kg |
| 65-85-0        | Benzoic acid                | 210   | U         | 210  | 270  | 330        | ug/Kg |
| 91-20-3        | Naphthalene                 | 81.3  | U         | 81.3 | 130  | 170        | ug/Kg |
| 106-47-8       | 4-Chloroaniline             | 100   | U         | 100  | 130  | 170        | ug/Kg |
| 87-68-3        | Hexachlorobutadiene         | 83.9  | U         | 83.9 | 130  | 170        | ug/Kg |
| 105-60-2       | Caprolactam                 | 120   | U         | 120  | 270  | 330        | ug/Kg |
| 59-50-7        | 4-Chloro-3-methylphenol     | 82.4  | U         | 82.4 | 130  | 170        | ug/Kg |
| 91-57-6        | 2-Methylnaphthalene         | 94.8  | U         | 94.8 | 130  | 170        | ug/Kg |

## Report of Analysis

|                    |                |                 |                      |
|--------------------|----------------|-----------------|----------------------|
| Client:            |                | Date Collected: | 3/6/2024 12:00:00 AM |
| Project:           |                | Date Received:  | 3/6/2024 12:00:00 AM |
| Client Sample ID:  | PB159470BL     | SDG No.:        | BF030724             |
| Lab Sample ID:     | PB159470BL     | 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 |
| BF137527.D        | 1         | 3/6/2024 12:00:00 AM | 3/7/2024 12:00:00 AM | PB159470      |

| CAS Number | Parameter                                       | Conc.  | Qualifier | MDL    | LOD | LOQ / CRQL | Units |
|------------|-------------------------------------------------|--------|-----------|--------|-----|------------|-------|
| 77-47-4    | Hexachlorocyclopentadiene                       | 210    | U         | 210    | 270 | 330        | ug/Kg |
| 88-06-2    | 2,4,6-Trichlorophenol                           | 77     | U         | 77     | 130 | 170        | ug/Kg |
| 95-95-4    | 2,4,5-Trichlorophenol                           | 87.8   | U         | 87.8   | 130 | 170        | ug/Kg |
| 92-52-4    | 1,1-Biphenyl                                    | 91.2   | U         | 91.2   | 130 | 170        | ug/Kg |
| 91-58-7    | 2-Chloronaphthalene                             | 84.5   | U         | 84.5   | 130 | 170        | ug/Kg |
| 88-74-4    | 2-Nitroaniline                                  | 99.2   | U         | 99.2   | 130 | 170        | ug/Kg |
| 131-11-3   | Dimethylphthalate                               | 88.8   | U         | 88.8   | 130 | 170        | ug/Kg |
| 208-96-8   | Acenaphthylene                                  | 88.3   | U         | 88.3   | 130 | 170        | ug/Kg |
| 606-20-2   | 2,6-Dinitrotoluene                              | 89.9   | U         | 89.9   | 130 | 170        | ug/Kg |
| 99-09-2    | 3-Nitroaniline                                  | 93.3   | U         | 93.3   | 130 | 170        | ug/Kg |
| 83-32-9    | Acenaphthene                                    | 80.2   | U         | 80.2   | 130 | 170        | ug/Kg |
| Total PAH  | Total PAH                                       | 1436.7 | U         | 1436.7 | 130 | 2720       | ug/Kg |
| 51-28-5    | 2,4-Dinitrophenol                               | 180    | U         | 180    | 270 | 330        | ug/Kg |
| 100-02-7   | 4-Nitrophenol                                   | 110    | U         | 110    | 270 | 330        | ug/Kg |
| 132-64-9   | Dibenzofuran                                    | 76.8   | U         | 76.8   | 130 | 170        | ug/Kg |
| 121-14-2   | 2,4-Dinitrotoluene                              | 99.8   | U         | 99.8   | 130 | 170        | ug/Kg |
| 25321-14-6 | 2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture) | 89.7   | U         | 189.7  | 130 | 340        | ug/Kg |
| 84-66-2    | Diethylphthalate                                | 85.8   | U         | 85.8   | 130 | 170        | ug/Kg |
| 7005-72-3  | 4-Chlorophenyl-phenylether                      | 90.3   | U         | 90.3   | 130 | 170        | ug/Kg |
| 86-73-7    | Fluorene                                        | 84.7   | U         | 84.7   | 130 | 170        | ug/Kg |
| 100-01-6   | 4-Nitroaniline                                  | 100    | U         | 100    | 130 | 170        | ug/Kg |
| 534-52-1   | 4,6-Dinitro-2-methylphenol                      | 87.7   | U         | 87.7   | 270 | 330        | ug/Kg |
| 86-30-6    | n-Nitrosodiphenylamine                          | 93.2   | U         | 93.2   | 130 | 170        | ug/Kg |
| 103-33-3   | Azobenzene                                      | 73.5   | U         | 73.5   | 130 | 170        | ug/Kg |
| 101-55-3   | 4-Bromophenyl-phenylether                       | 97.3   | U         | 97.3   | 130 | 170        | ug/Kg |
| 118-74-1   | Hexachlorobenzene                               | 98.7   | U         | 98.7   | 130 | 170        | ug/Kg |
| 1912-24-9  | Atrazine                                        | 95.3   | U         | 95.3   | 130 | 170        | ug/Kg |
| 87-86-5    | Pentachlorophenol                               | 110    | U         | 110    | 270 | 330        | ug/Kg |
| 85-01-8    | Phenanthrene                                    | 92.6   | U         | 92.6   | 130 | 170        | ug/Kg |
| 120-12-7   | Anthracene                                      | 100    | U         | 100    | 130 | 170        | ug/Kg |
| 86-74-8    | Carbazole                                       | 84.8   | U         | 84.8   | 130 | 170        | ug/Kg |
| 84-74-2    | Di-n-butylphthalate                             | 100    | U         | 100    | 130 | 170        | ug/Kg |
| 206-44-0   | Fluoranthene                                    | 94.3   | U         | 94.3   | 130 | 170        | ug/Kg |

## Report of Analysis

|                    |                |                 |                      |
|--------------------|----------------|-----------------|----------------------|
| Client:            |                | Date Collected: | 3/6/2024 12:00:00 AM |
| Project:           |                | Date Received:  | 3/6/2024 12:00:00 AM |
| Client Sample ID:  | PB159470BL     | SDG No.:        | BF030724             |
| Lab Sample ID:     | PB159470BL     | 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 |
| BF137527.D        | 1         | 3/6/2024 12:00:00 AM | 3/7/2024 12:00:00 AM | PB159470      |

| CAS Number                | Parameter                  | Conc.   | Qualifier | MDL    | LOD | LOQ / CRQL | Units     |
|---------------------------|----------------------------|---------|-----------|--------|-----|------------|-----------|
| 92-87-5                   | Benidine                   | 190     | U         | 190    | 270 | 330        | ug/Kg     |
| 129-00-0                  | Pyrene                     | 83.6    | U         | 83.6   | 130 | 170        | ug/Kg     |
| 85-68-7                   | Butylbenzylphthalate       | 100     | U         | 100    | 130 | 170        | ug/Kg     |
| 91-94-1                   | 3,3-Dichlorobenzidine      | 160     | U         | 160    | 270 | 330        | ug/Kg     |
| 56-55-3                   | Benzo(a)anthracene         | 83.8    | U         | 83.8   | 130 | 170        | ug/Kg     |
| 218-01-9                  | Chrysene                   | 86.7    | U         | 86.7   | 130 | 170        | ug/Kg     |
| 117-81-7                  | Bis(2-ethylhexyl)phthalate | 110     | U         | 110    | 130 | 170        | ug/Kg     |
| 117-84-0                  | Di-n-octyl phthalate       | 120     | U         | 120    | 270 | 330        | ug/Kg     |
| 205-99-2                  | Benzo(b)fluoranthene       | 80.2    | U         | 80.2   | 130 | 170        | ug/Kg     |
| 207-08-9                  | Benzo(k)fluoranthene       | 88      | U         | 88     | 130 | 170        | ug/Kg     |
| 50-32-8                   | Benzo(a)pyrene             | 94.2    | U         | 94.2   | 130 | 170        | ug/Kg     |
| 193-39-5                  | Indeno(1,2,3-cd)pyrene     | 110     | U         | 110    | 130 | 170        | ug/Kg     |
| 53-70-3                   | Dibenzo(a,h)anthracene     | 96.4    | U         | 96.4   | 130 | 170        | ug/Kg     |
| 191-24-2                  | Benzo(g,h,i)perylene       | 92.4    | U         | 92.4   | 130 | 170        | ug/Kg     |
| 95-94-3                   | 1,2,4,5-Tetrachlorobenzene | 89.3    | U         | 89.3   | 130 | 170        | ug/Kg     |
| 123-91-1                  | 1,4-Dioxane                | 120     | U         | 120    | 130 | 170        | ug/Kg     |
| 58-90-2                   | 2,3,4,6-Tetrachlorophenol  | 82.8    | U         | 82.8   | 130 | 170        | ug/Kg     |
| 90-12-0                   | 1-Methylnaphthalene        | 90.1    | U         | 90.1   | 170 | 170        | ug/Kg     |
| <b>SURROGATES</b>         |                            |         |           |        |     |            |           |
| 367-12-4                  | 2-Fluorophenol             | 113.284 |           | 18-112 |     | 76         | SPK: -150 |
| 13127-88-3                | Phenol-d6                  | 111.501 |           | 15-107 |     | 74         | SPK: -150 |
| 4165-60-0                 | Nitrobenzene-d5            | 76.129  |           | 18-107 |     | 76         | SPK: -100 |
| 321-60-8                  | 2-Fluorobiphenyl           | 73.483  |           | 20-109 |     | 73         | SPK: -100 |
| 118-79-6                  | 2,4,6-Tribromophenol       | 134.612 |           | 10-110 |     | 90         | SPK: -150 |
| 1718-51-0                 | Terphenyl-d14              | 66.812  |           | 14-112 |     | 67         | SPK: -100 |
| <b>INTERNAL STANDARDS</b> |                            |         |           |        |     |            |           |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4     | 252512  | 6.863     |        |     |            |           |
| 1146-65-2                 | Naphthalene-d8             | 1023866 | 8.139     |        |     |            |           |
| 15067-26-2                | Acenaphthene-d10           | 572569  | 9.898     |        |     |            |           |
| 1517-22-2                 | Phenanthrene-d10           | 1080191 | 11.392    |        |     |            |           |
| 1719-03-5                 | Chrysene-d12               | 741061  | 14.057    |        |     |            |           |
| 1520-96-3                 | Perylene-d12               | 580522  | 15.592    |        |     |            |           |



284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

## Report of Analysis

|                    |            |                 |                      |
|--------------------|------------|-----------------|----------------------|
| Client:            |            | Date Collected: | 3/6/2024 12:00:00 AM |
| Project:           |            | Date Received:  | 3/6/2024 12:00:00 AM |
| Client Sample ID:  | PB159470BL | SDG No.:        | BF030724             |
| Lab Sample ID:     | PB159470BL | 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 |
| BF137527.D        | 1         | 3/6/2024 12:00:00 AM | 3/7/2024 12:00:00 AM | PB159470      |

| CAS Number                     | Parameter                        | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|--------------------------------|----------------------------------|-------|-----------|-----|-----|------------|-------|
| TENTATIVE IDENTIFIED COMPOUNDS |                                  |       |           |     |     |            |       |
| 000123-42-2                    | 2-Pentanone, 4-hydroxy-4-methyl- | 140   | A         |     |     | 5.157      |       |
| 000111-06-8                    | Hexadecanoic acid, butyl ester   | 86.6  | J         |     |     | 12.821     |       |
| 000629-94-7                    | Heneicosane                      | 82.6  | J         |     |     | 15.656     |       |
| 000629-78-7                    | Heptadecane                      | 100   | J         |     |     | 16.145     |       |
| 1000406-32-4                   | Dotriacontane, 1-iodo-           | 76.3  | J         |     |     | 16.715     |       |

## Report of Analysis

|                    |                |                 |                      |
|--------------------|----------------|-----------------|----------------------|
| Client:            |                | Date Collected: | 3/6/2024 12:00:00 AM |
| Project:           |                | Date Received:  | 3/6/2024 12:00:00 AM |
| Client Sample ID:  | PB159470BS     | SDG No.:        | BF030724             |
| Lab Sample ID:     | PB159470BS     | 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 |
| BF137528.D        | 1         | 3/6/2024 12:00:00 AM | 3/7/2024 12:00:00 AM | PB159470      |

| CAS Number     | Parameter                   | Conc. | Qualifier | MDL  | LOD | LOQ / CRQL | Units |
|----------------|-----------------------------|-------|-----------|------|-----|------------|-------|
| <b>TARGETS</b> |                             |       |           |      |     |            |       |
| 62-75-9        | n-Nitrosodimethylamine      | 1500  |           | 77.3 | 270 | 330        | ug/Kg |
| 110-86-1       | Pyridine                    | 1200  |           | 72.4 | 130 | 170        | ug/Kg |
| 100-52-7       | Benzaldehyde                | 150   | U         | 150  | 270 | 330        | ug/Kg |
| 62-53-3        | Aniline                     | 830   |           | 120  | 130 | 170        | ug/Kg |
| 108-95-2       | Phenol                      | 1400  |           | 74.4 | 130 | 170        | ug/Kg |
| 111-44-4       | bis(2-Chloroethyl)ether     | 1600  |           | 89.8 | 130 | 170        | ug/Kg |
| 95-57-8        | 2-Chlorophenol              | 1600  |           | 72   | 130 | 170        | ug/Kg |
| 95-50-1        | 1,2-Dichlorobenzene         | 1600  |           | 81.7 | 130 | 170        | ug/Kg |
| 541-73-1       | 1,3-Dichlorobenzene         | 1500  |           | 88.5 | 130 | 170        | ug/Kg |
| 106-46-7       | 1,4-Dichlorobenzene         | 1500  |           | 82.4 | 130 | 170        | ug/Kg |
| 100-51-6       | Benzyl Alcohol              | 1800  |           | 98.8 | 270 | 330        | ug/Kg |
| 95-48-7        | 2-Methylphenol              | 1400  |           | 110  | 130 | 170        | ug/Kg |
| 108-60-1       | 2,2-oxybis(1-Chloropropane) | 1400  |           | 100  | 130 | 170        | ug/Kg |
| 98-86-2        | Acetophenone                | 1500  |           | 86.7 | 130 | 170        | ug/Kg |
| 65794-96-9     | 3+4-Methylphenols           | 1400  |           | 110  | 270 | 330        | ug/Kg |
| 621-64-7       | n-Nitroso-di-n-propylamine  | 1400  |           | 59   | 80  | 80         | ug/Kg |
| 67-72-1        | Hexachloroethane            | 1600  |           | 73.6 | 130 | 170        | ug/Kg |
| 98-95-3        | Nitrobenzene                | 1500  |           | 75.2 | 130 | 170        | ug/Kg |
| 78-59-1        | Isophorone                  | 1500  |           | 68.1 | 130 | 170        | ug/Kg |
| 88-75-5        | 2-Nitrophenol               | 1700  |           | 95.1 | 130 | 170        | ug/Kg |
| 105-67-9       | 2,4-Dimethylphenol          | 1300  |           | 99.6 | 130 | 170        | ug/Kg |
| 111-91-1       | bis(2-Chloroethoxy)methane  | 1500  |           | 110  | 130 | 170        | ug/Kg |
| 120-83-2       | 2,4-Dichlorophenol          | 1600  |           | 78.1 | 130 | 170        | ug/Kg |
| 120-82-1       | 1,2,4-Trichlorobenzene      | 1500  |           | 77.5 | 130 | 170        | ug/Kg |
| 65-85-0        | Benzoic acid                | 1600  |           | 210  | 270 | 330        | ug/Kg |
| 91-20-3        | Naphthalene                 | 1400  |           | 81.4 | 130 | 170        | ug/Kg |
| 106-47-8       | 4-Chloroaniline             | 470   |           | 100  | 130 | 170        | ug/Kg |
| 87-68-3        | Hexachlorobutadiene         | 1500  |           | 84   | 130 | 170        | ug/Kg |
| 105-60-2       | Caprolactam                 | 1500  |           | 120  | 270 | 330        | ug/Kg |
| 59-50-7        | 4-Chloro-3-methylphenol     | 1600  |           | 82.5 | 130 | 170        | ug/Kg |
| 91-57-6        | 2-Methylnaphthalene         | 1400  |           | 94.9 | 130 | 170        | ug/Kg |

## Report of Analysis

|                    |                |                 |                      |
|--------------------|----------------|-----------------|----------------------|
| Client:            |                | Date Collected: | 3/6/2024 12:00:00 AM |
| Project:           |                | Date Received:  | 3/6/2024 12:00:00 AM |
| Client Sample ID:  | PB159470BS     | SDG No.:        | BF030724             |
| Lab Sample ID:     | PB159470BS     | 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 |
| BF137528.D        | 1         | 3/6/2024 12:00:00 AM | 3/7/2024 12:00:00 AM | PB159470      |

| CAS Number | Parameter                                       | Conc. | Qualifier | MDL    | LOD | LOQ / CRQL | Units |
|------------|-------------------------------------------------|-------|-----------|--------|-----|------------|-------|
| 77-47-4    | Hexachlorocyclopentadiene                       | 3200  | E         | 210    | 270 | 330        | ug/Kg |
| 88-06-2    | 2,4,6-Trichlorophenol                           | 1600  |           | 77.1   | 130 | 170        | ug/Kg |
| 95-95-4    | 2,4,5-Trichlorophenol                           | 1500  |           | 87.9   | 130 | 170        | ug/Kg |
| 92-52-4    | 1,1-Biphenyl                                    | 1400  |           | 91.3   | 130 | 170        | ug/Kg |
| 91-58-7    | 2-Chloronaphthalene                             | 1500  |           | 84.6   | 130 | 170        | ug/Kg |
| 88-74-4    | 2-Nitroaniline                                  | 1700  |           | 99.3   | 130 | 170        | ug/Kg |
| 131-11-3   | Dimethylphthalate                               | 1500  |           | 88.9   | 130 | 170        | ug/Kg |
| 208-96-8   | Acenaphthylene                                  | 1500  |           | 88.4   | 130 | 170        | ug/Kg |
| 606-20-2   | 2,6-Dinitrotoluene                              | 1600  |           | 90     | 130 | 170        | ug/Kg |
| 99-09-2    | 3-Nitroaniline                                  | 1100  |           | 93.4   | 130 | 170        | ug/Kg |
| 83-32-9    | Acenaphthene                                    | 1400  |           | 80.3   | 130 | 170        | ug/Kg |
| Total PAH  | Total PAH                                       | 24200 |           | 1438.1 | 130 | 2720       | ug/Kg |
| 51-28-5    | 2,4-Dinitrophenol                               | 3500  | E         | 180    | 270 | 330        | ug/Kg |
| 100-02-7   | 4-Nitrophenol                                   | 3200  | E         | 110    | 270 | 330        | ug/Kg |
| 132-64-9   | Dibenzofuran                                    | 1400  |           | 76.9   | 130 | 170        | ug/Kg |
| 25321-14-6 | 2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture) | 3200  |           | 189.9  | 130 | 340        | ug/Kg |
| 121-14-2   | 2,4-Dinitrotoluene                              | 1600  |           | 99.9   | 130 | 170        | ug/Kg |
| 84-66-2    | Diethylphthalate                                | 1500  |           | 85.9   | 130 | 170        | ug/Kg |
| 7005-72-3  | 4-Chlorophenyl-phenylether                      | 1400  |           | 90.4   | 130 | 170        | ug/Kg |
| 86-73-7    | Fluorene                                        | 1400  |           | 84.8   | 130 | 170        | ug/Kg |
| 100-01-6   | 4-Nitroaniline                                  | 1600  |           | 100    | 130 | 170        | ug/Kg |
| 534-52-1   | 4,6-Dinitro-2-methylphenol                      | 1800  |           | 87.8   | 270 | 330        | ug/Kg |
| 86-30-6    | n-Nitrosodiphenylamine                          | 1400  |           | 93.3   | 130 | 170        | ug/Kg |
| 103-33-3   | Azobenzene                                      | 1500  |           | 73.5   | 130 | 170        | ug/Kg |
| 101-55-3   | 4-Bromophenyl-phenylether                       | 1500  |           | 97.4   | 130 | 170        | ug/Kg |
| 118-74-1   | Hexachlorobenzene                               | 1600  |           | 98.8   | 130 | 170        | ug/Kg |
| 1912-24-9  | Atrazine                                        | 1400  |           | 95.4   | 130 | 170        | ug/Kg |
| 87-86-5    | Pentachlorophenol                               | 3100  | E         | 110    | 270 | 330        | ug/Kg |
| 85-01-8    | Phenanthrene                                    | 1400  |           | 92.7   | 130 | 170        | ug/Kg |
| 120-12-7   | Anthracene                                      | 1400  |           | 100    | 130 | 170        | ug/Kg |
| 86-74-8    | Carbazole                                       | 1500  |           | 84.9   | 130 | 170        | ug/Kg |
| 84-74-2    | Di-n-butylphthalate                             | 1500  |           | 100    | 130 | 170        | ug/Kg |
| 206-44-0   | Fluoranthene                                    | 1400  |           | 94.4   | 130 | 170        | ug/Kg |

## Report of Analysis

|                    |                |                 |                      |
|--------------------|----------------|-----------------|----------------------|
| Client:            |                | Date Collected: | 3/6/2024 12:00:00 AM |
| Project:           |                | Date Received:  | 3/6/2024 12:00:00 AM |
| Client Sample ID:  | PB159470BS     | SDG No.:        | BF030724             |
| Lab Sample ID:     | PB159470BS     | 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 |
| BF137528.D        | 1         | 3/6/2024 12:00:00 AM | 3/7/2024 12:00:00 AM | PB159470      |

| CAS Number                | Parameter                  | Conc.   | Qualifier | MDL    | LOD | LOQ / CRQL | Units     |
|---------------------------|----------------------------|---------|-----------|--------|-----|------------|-----------|
| 92-87-5                   | Benidine                   | 710     |           | 190    | 270 | 330        | ug/Kg     |
| 129-00-0                  | Pyrene                     | 1500    |           | 83.7   | 130 | 170        | ug/Kg     |
| 85-68-7                   | Butylbenzylphthalate       | 2100    |           | 100    | 130 | 170        | ug/Kg     |
| 91-94-1                   | 3,3-Dichlorobenzidine      | 1300    |           | 160    | 270 | 330        | ug/Kg     |
| 56-55-3                   | Benzo(a)anthracene         | 1500    |           | 83.9   | 130 | 170        | ug/Kg     |
| 218-01-9                  | Chrysene                   | 1500    |           | 86.8   | 130 | 170        | ug/Kg     |
| 117-81-7                  | Bis(2-ethylhexyl)phthalate | 1900    |           | 110    | 130 | 170        | ug/Kg     |
| 117-84-0                  | Di-n-octyl phthalate       | 1700    |           | 120    | 270 | 330        | ug/Kg     |
| 205-99-2                  | Benzo(b)fluoranthene       | 1700    |           | 80.3   | 130 | 170        | ug/Kg     |
| 207-08-9                  | Benzo(k)fluoranthene       | 1600    |           | 88.1   | 130 | 170        | ug/Kg     |
| 50-32-8                   | Benzo(a)pyrene             | 1500    |           | 94.3   | 130 | 170        | ug/Kg     |
| 193-39-5                  | Indeno(1,2,3-cd)pyrene     | 1700    |           | 110    | 130 | 170        | ug/Kg     |
| 53-70-3                   | Dibenzo(a,h)anthracene     | 1700    |           | 96.5   | 130 | 170        | ug/Kg     |
| 191-24-2                  | Benzo(g,h,i)perylene       | 1600    |           | 92.5   | 130 | 170        | ug/Kg     |
| 95-94-3                   | 1,2,4,5-Tetrachlorobenzene | 1500    |           | 89.4   | 130 | 170        | ug/Kg     |
| 123-91-1                  | 1,4-Dioxane                | 1200    |           | 120    | 130 | 170        | ug/Kg     |
| 58-90-2                   | 2,3,4,6-Tetrachlorophenol  | 1600    |           | 82.9   | 130 | 170        | ug/Kg     |
| 90-12-0                   | 1-Methylnaphthalene        | 1400    |           | 90.2   | 170 | 170        | ug/Kg     |
| <b>SURROGATES</b>         |                            |         |           |        |     |            |           |
| 367-12-4                  | 2-Fluorophenol             | 125.586 |           | 18-112 |     | 84         | SPK: -150 |
| 13127-88-3                | Phenol-d6                  | 121.378 |           | 15-107 |     | 81         | SPK: -150 |
| 4165-60-0                 | Nitrobenzene-d5            | 83.188  |           | 18-107 |     | 83         | SPK: -100 |
| 321-60-8                  | 2-Fluorobiphenyl           | 79.58   |           | 20-109 |     | 80         | SPK: -100 |
| 118-79-6                  | 2,4,6-Tribromophenol       | 150.193 |           | 10-110 |     | 100        | SPK: -150 |
| 1718-51-0                 | Terphenyl-d14              | 86.402  |           | 14-112 |     | 86         | SPK: -100 |
| <b>INTERNAL STANDARDS</b> |                            |         |           |        |     |            |           |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4     | 248652  | 6.869     |        |     |            |           |
| 1146-65-2                 | Naphthalene-d8             | 1034407 | 8.145     |        |     |            |           |
| 15067-26-2                | Acenaphthene-d10           | 571707  | 9.904     |        |     |            |           |
| 1517-22-2                 | Phenanthrene-d10           | 1020589 | 11.398    |        |     |            |           |
| 1719-03-5                 | Chrysene-d12               | 559047  | 14.063    |        |     |            |           |
| 1520-96-3                 | Perylene-d12               | 486116  | 15.592    |        |     |            |           |



Report of Analysis

|                    |            |                 |                      |
|--------------------|------------|-----------------|----------------------|
| Client:            |            | Date Collected: | 3/6/2024 12:00:00 AM |
| Project:           |            | Date Received:  | 3/6/2024 12:00:00 AM |
| Client Sample ID:  | PB159470BS | SDG No.:        | BF030724             |
| Lab Sample ID:     | PB159470BS | Matrix:         | Solid                |
| Analytical Method: | 8270E      | % Moisture:     | 0                    |
| Sample Wt/Vol:     | 30.01      | Units:          | g                    |
| Soil Aliquot Vol:  |            | Final Vol:      | 1000 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 |
| BF137528.D        | 1         | 3/6/2024 12:00:00 AM | 3/7/2024 12:00:00 AM | PB159470      |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|------------|-----------|-------|-----------|-----|-----|------------|-------|
|------------|-----------|-------|-----------|-----|-----|------------|-------|

## Report of Analysis

|                    |                |                 |                      |
|--------------------|----------------|-----------------|----------------------|
| Client:            |                | Date Collected: | 3/7/2024 12:00:00 AM |
| Project:           |                | Date Received:  | 3/7/2024 12:00:00 AM |
| Client Sample ID:  | PB159489BL     | SDG No.:        | BF030724             |
| Lab Sample ID:     | PB159489BL     | 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 |
| BF137529.D        | 1         | 3/7/2024 12:00:00 AM | 3/7/2024 12:00:00 AM | PB159489      |

| CAS Number     | Parameter                   | Conc. | Qualifier | MDL  | LOD | LOQ / CRQL | Units |
|----------------|-----------------------------|-------|-----------|------|-----|------------|-------|
| <b>TARGETS</b> |                             |       |           |      |     |            |       |
| 62-75-9        | n-Nitrosodimethylamine      | 77.3  | U         | 77.3 | 270 | 330        | ug/Kg |
| 110-86-1       | Pyridine                    | 72.4  | U         | 72.4 | 130 | 170        | ug/Kg |
| 100-52-7       | Benzaldehyde                | 150   | U         | 150  | 270 | 330        | ug/Kg |
| 62-53-3        | Aniline                     | 120   | U         | 120  | 130 | 170        | ug/Kg |
| 108-95-2       | Phenol                      | 74.4  | U         | 74.4 | 130 | 170        | ug/Kg |
| 111-44-4       | bis(2-Chloroethyl)ether     | 89.8  | U         | 89.8 | 130 | 170        | ug/Kg |
| 95-57-8        | 2-Chlorophenol              | 72    | U         | 72   | 130 | 170        | ug/Kg |
| 95-50-1        | 1,2-Dichlorobenzene         | 81.7  | U         | 81.7 | 130 | 170        | ug/Kg |
| 541-73-1       | 1,3-Dichlorobenzene         | 88.5  | U         | 88.5 | 130 | 170        | ug/Kg |
| 106-46-7       | 1,4-Dichlorobenzene         | 82.4  | U         | 82.4 | 130 | 170        | ug/Kg |
| 100-51-6       | Benzyl Alcohol              | 98.8  | U         | 98.8 | 270 | 330        | ug/Kg |
| 95-48-7        | 2-Methylphenol              | 110   | U         | 110  | 130 | 170        | ug/Kg |
| 108-60-1       | 2,2-oxybis(1-Chloropropane) | 100   | U         | 100  | 130 | 170        | ug/Kg |
| 98-86-2        | Acetophenone                | 86.7  | U         | 86.7 | 130 | 170        | ug/Kg |
| 65794-96-9     | 3+4-Methylphenols           | 110   | U         | 110  | 270 | 330        | ug/Kg |
| 621-64-7       | n-Nitroso-di-n-propylamine  | 59    | U         | 59   | 80  | 80         | ug/Kg |
| 67-72-1        | Hexachloroethane            | 73.6  | U         | 73.6 | 130 | 170        | ug/Kg |
| 98-95-3        | Nitrobenzene                | 75.2  | U         | 75.2 | 130 | 170        | ug/Kg |
| 78-59-1        | Isophorone                  | 68.1  | U         | 68.1 | 130 | 170        | ug/Kg |
| 88-75-5        | 2-Nitrophenol               | 95.1  | U         | 95.1 | 130 | 170        | ug/Kg |
| 105-67-9       | 2,4-Dimethylphenol          | 99.6  | U         | 99.6 | 130 | 170        | ug/Kg |
| 111-91-1       | bis(2-Chloroethoxy)methane  | 110   | U         | 110  | 130 | 170        | ug/Kg |
| 120-83-2       | 2,4-Dichlorophenol          | 78.1  | U         | 78.1 | 130 | 170        | ug/Kg |
| 120-82-1       | 1,2,4-Trichlorobenzene      | 77.5  | U         | 77.5 | 130 | 170        | ug/Kg |
| 65-85-0        | Benzoic acid                | 210   | U         | 210  | 270 | 330        | ug/Kg |
| 91-20-3        | Naphthalene                 | 81.4  | U         | 81.4 | 130 | 170        | ug/Kg |
| 106-47-8       | 4-Chloroaniline             | 100   | U         | 100  | 130 | 170        | ug/Kg |
| 87-68-3        | Hexachlorobutadiene         | 84    | U         | 84   | 130 | 170        | ug/Kg |
| 105-60-2       | Caprolactam                 | 120   | U         | 120  | 270 | 330        | ug/Kg |
| 59-50-7        | 4-Chloro-3-methylphenol     | 82.5  | U         | 82.5 | 130 | 170        | ug/Kg |
| 91-57-6        | 2-Methylnaphthalene         | 94.9  | U         | 94.9 | 130 | 170        | ug/Kg |

## Report of Analysis

|                    |                        |                 |                      |
|--------------------|------------------------|-----------------|----------------------|
| Client:            |                        | Date Collected: | 3/7/2024 12:00:00 AM |
| Project:           |                        | Date Received:  | 3/7/2024 12:00:00 AM |
| Client Sample ID:  | PB159489BL             | SDG No.:        | BF030724             |
| Lab Sample ID:     | PB159489BL             | 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 |
| BF137529.D        | 1         | 3/7/2024 12:00:00 AM | 3/7/2024 12:00:00 AM | PB159489      |

| CAS Number | Parameter                                       | Conc.  | Qualifier | MDL    | LOD | LOQ / CRQL | Units |
|------------|-------------------------------------------------|--------|-----------|--------|-----|------------|-------|
| 77-47-4    | Hexachlorocyclopentadiene                       | 210    | U         | 210    | 270 | 330        | ug/Kg |
| 88-06-2    | 2,4,6-Trichlorophenol                           | 77.1   | U         | 77.1   | 130 | 170        | ug/Kg |
| 95-95-4    | 2,4,5-Trichlorophenol                           | 87.9   | U         | 87.9   | 130 | 170        | ug/Kg |
| 92-52-4    | 1,1-Biphenyl                                    | 91.3   | U         | 91.3   | 130 | 170        | ug/Kg |
| 91-58-7    | 2-Chloronaphthalene                             | 84.6   | U         | 84.6   | 130 | 170        | ug/Kg |
| 88-74-4    | 2-Nitroaniline                                  | 99.3   | U         | 99.3   | 130 | 170        | ug/Kg |
| 131-11-3   | Dimethylphthalate                               | 88.9   | U         | 88.9   | 130 | 170        | ug/Kg |
| 208-96-8   | Acenaphthylene                                  | 88.4   | U         | 88.4   | 130 | 170        | ug/Kg |
| 606-20-2   | 2,6-Dinitrotoluene                              | 90     | U         | 90     | 130 | 170        | ug/Kg |
| 99-09-2    | 3-Nitroaniline                                  | 93.4   | U         | 93.4   | 130 | 170        | ug/Kg |
| 83-32-9    | Acenaphthene                                    | 80.3   | U         | 80.3   | 130 | 170        | ug/Kg |
| Total PAH  | Total PAH                                       | 1438.1 | U         | 1438.1 | 130 | 2720       | ug/Kg |
| 51-28-5    | 2,4-Dinitrophenol                               | 180    | U         | 180    | 270 | 330        | ug/Kg |
| 100-02-7   | 4-Nitrophenol                                   | 110    | U         | 110    | 270 | 330        | ug/Kg |
| 132-64-9   | Dibenzofuran                                    | 76.9   | U         | 76.9   | 130 | 170        | ug/Kg |
| 121-14-2   | 2,4-Dinitrotoluene                              | 99.9   | U         | 99.9   | 130 | 170        | ug/Kg |
| 25321-14-6 | 2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture) | 89.9   | U         | 189.9  | 130 | 340        | ug/Kg |
| 84-66-2    | Diethylphthalate                                | 85.9   | U         | 85.9   | 130 | 170        | ug/Kg |
| 7005-72-3  | 4-Chlorophenyl-phenylether                      | 90.4   | U         | 90.4   | 130 | 170        | ug/Kg |
| 86-73-7    | Fluorene                                        | 84.8   | U         | 84.8   | 130 | 170        | ug/Kg |
| 100-01-6   | 4-Nitroaniline                                  | 100    | U         | 100    | 130 | 170        | ug/Kg |
| 534-52-1   | 4,6-Dinitro-2-methylphenol                      | 87.8   | U         | 87.8   | 270 | 330        | ug/Kg |
| 86-30-6    | n-Nitrosodiphenylamine                          | 93.3   | U         | 93.3   | 130 | 170        | ug/Kg |
| 103-33-3   | Azobenzene                                      | 73.5   | U         | 73.5   | 130 | 170        | ug/Kg |
| 101-55-3   | 4-Bromophenyl-phenylether                       | 97.4   | U         | 97.4   | 130 | 170        | ug/Kg |
| 118-74-1   | Hexachlorobenzene                               | 98.8   | U         | 98.8   | 130 | 170        | ug/Kg |
| 1912-24-9  | Atrazine                                        | 95.4   | U         | 95.4   | 130 | 170        | ug/Kg |
| 87-86-5    | Pentachlorophenol                               | 110    | U         | 110    | 270 | 330        | ug/Kg |
| 85-01-8    | Phenanthrene                                    | 92.7   | U         | 92.7   | 130 | 170        | ug/Kg |
| 120-12-7   | Anthracene                                      | 100    | U         | 100    | 130 | 170        | ug/Kg |
| 86-74-8    | Carbazole                                       | 84.9   | U         | 84.9   | 130 | 170        | ug/Kg |
| 84-74-2    | Di-n-butylphthalate                             | 100    | U         | 100    | 130 | 170        | ug/Kg |
| 206-44-0   | Fluoranthene                                    | 94.4   | U         | 94.4   | 130 | 170        | ug/Kg |

## Report of Analysis

|                    |                |                 |                      |
|--------------------|----------------|-----------------|----------------------|
| Client:            |                | Date Collected: | 3/7/2024 12:00:00 AM |
| Project:           |                | Date Received:  | 3/7/2024 12:00:00 AM |
| Client Sample ID:  | PB159489BL     | SDG No.:        | BF030724             |
| Lab Sample ID:     | PB159489BL     | 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 |
| BF137529.D        | 1         | 3/7/2024 12:00:00 AM | 3/7/2024 12:00:00 AM | PB159489      |

| CAS Number                | Parameter                  | Conc.   | Qualifier | MDL    | LOD | LOQ / CRQL | Units     |
|---------------------------|----------------------------|---------|-----------|--------|-----|------------|-----------|
| 92-87-5                   | Benidine                   | 190     | U         | 190    | 270 | 330        | ug/Kg     |
| 129-00-0                  | Pyrene                     | 83.7    | U         | 83.7   | 130 | 170        | ug/Kg     |
| 85-68-7                   | Butylbenzylphthalate       | 100     | U         | 100    | 130 | 170        | ug/Kg     |
| 91-94-1                   | 3,3-Dichlorobenzidine      | 160     | U         | 160    | 270 | 330        | ug/Kg     |
| 56-55-3                   | Benzo(a)anthracene         | 83.9    | U         | 83.9   | 130 | 170        | ug/Kg     |
| 218-01-9                  | Chrysene                   | 86.8    | U         | 86.8   | 130 | 170        | ug/Kg     |
| 117-81-7                  | Bis(2-ethylhexyl)phthalate | 110     | U         | 110    | 130 | 170        | ug/Kg     |
| 117-84-0                  | Di-n-octyl phthalate       | 120     | U         | 120    | 270 | 330        | ug/Kg     |
| 205-99-2                  | Benzo(b)fluoranthene       | 80.3    | U         | 80.3   | 130 | 170        | ug/Kg     |
| 207-08-9                  | Benzo(k)fluoranthene       | 88.1    | U         | 88.1   | 130 | 170        | ug/Kg     |
| 50-32-8                   | Benzo(a)pyrene             | 94.3    | U         | 94.3   | 130 | 170        | ug/Kg     |
| 193-39-5                  | Indeno(1,2,3-cd)pyrene     | 110     | U         | 110    | 130 | 170        | ug/Kg     |
| 53-70-3                   | Dibenzo(a,h)anthracene     | 96.5    | U         | 96.5   | 130 | 170        | ug/Kg     |
| 191-24-2                  | Benzo(g,h,i)perylene       | 92.5    | U         | 92.5   | 130 | 170        | ug/Kg     |
| 95-94-3                   | 1,2,4,5-Tetrachlorobenzene | 89.4    | U         | 89.4   | 130 | 170        | ug/Kg     |
| 123-91-1                  | 1,4-Dioxane                | 120     | U         | 120    | 130 | 170        | ug/Kg     |
| 58-90-2                   | 2,3,4,6-Tetrachlorophenol  | 82.9    | U         | 82.9   | 130 | 170        | ug/Kg     |
| 90-12-0                   | 1-Methylnaphthalene        | 90.2    | U         | 90.2   | 170 | 170        | ug/Kg     |
| <b>SURROGATES</b>         |                            |         |           |        |     |            |           |
| 367-12-4                  | 2-Fluorophenol             | 116.596 |           | 18-112 |     | 78         | SPK: -150 |
| 13127-88-3                | Phenol-d6                  | 112.184 |           | 15-107 |     | 75         | SPK: -150 |
| 4165-60-0                 | Nitrobenzene-d5            | 76.011  |           | 18-107 |     | 76         | SPK: -100 |
| 321-60-8                  | 2-Fluorobiphenyl           | 74.189  |           | 20-109 |     | 74         | SPK: -100 |
| 118-79-6                  | 2,4,6-Tribromophenol       | 137.274 |           | 10-110 |     | 92         | SPK: -150 |
| 1718-51-0                 | Terphenyl-d14              | 66.056  |           | 14-112 |     | 66         | SPK: -100 |
| <b>INTERNAL STANDARDS</b> |                            |         |           |        |     |            |           |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4     | 249600  | 6.863     |        |     |            |           |
| 1146-65-2                 | Naphthalene-d8             | 1025117 | 8.139     |        |     |            |           |
| 15067-26-2                | Acenaphthene-d10           | 569179  | 9.898     |        |     |            |           |
| 1517-22-2                 | Phenanthrene-d10           | 1078598 | 11.392    |        |     |            |           |
| 1719-03-5                 | Chrysene-d12               | 738841  | 14.057    |        |     |            |           |
| 1520-96-3                 | Perylene-d12               | 568581  | 15.592    |        |     |            |           |



284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

## Report of Analysis

|                    |            |                 |                      |
|--------------------|------------|-----------------|----------------------|
| Client:            |            | Date Collected: | 3/7/2024 12:00:00 AM |
| Project:           |            | Date Received:  | 3/7/2024 12:00:00 AM |
| Client Sample ID:  | PB159489BL | SDG No.:        | BF030724             |
| Lab Sample ID:     | PB159489BL | 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 |
| BF137529.D        | 1         | 3/7/2024 12:00:00 AM | 3/7/2024 12:00:00 AM | PB159489      |

| CAS Number                     | Parameter                        | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|--------------------------------|----------------------------------|-------|-----------|-----|-----|------------|-------|
| TENTATIVE IDENTIFIED COMPOUNDS |                                  |       |           |     |     |            |       |
| 000123-42-2                    | 2-Pentanone, 4-hydroxy-4-methyl- | 150   | A         |     |     | 5.157      |       |
| 000111-06-8                    | Hexadecanoic acid, butyl ester   | 85    | J         |     |     | 12.821     |       |
| 000112-95-8                    | Eicosane                         | 88.3  | J         |     |     | 15.656     |       |
| 000629-92-5                    | Nonadecane                       | 83    | J         |     |     | 16.145     |       |
| 000593-45-3                    | Octadecane                       | 77.6  | J         |     |     | 16.715     |       |

## Report of Analysis

|                    |                        |                 |                      |
|--------------------|------------------------|-----------------|----------------------|
| Client:            |                        | Date Collected: | 3/7/2024 12:00:00 AM |
| Project:           |                        | Date Received:  | 3/7/2024 12:00:00 AM |
| Client Sample ID:  | PB159489BS             | SDG No.:        | BF030724             |
| Lab Sample ID:     | PB159489BS             | 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 |
| BF137530.D        | 1         | 3/7/2024 12:00:00 AM | 3/7/2024 12:00:00 AM | PB159489      |

| CAS Number     | Parameter                   | Conc. | Qualifier | MDL  | LOD  | LOQ / CRQL | Units |
|----------------|-----------------------------|-------|-----------|------|------|------------|-------|
| <b>TARGETS</b> |                             |       |           |      |      |            |       |
| 62-75-9        | n-Nitrosodimethylamine      | 1500  |           | 77.2 | 270  | 330        | ug/Kg |
| 110-86-1       | Pyridine                    | 1200  |           | 72.4 | 130  | 170        | ug/Kg |
| 100-52-7       | Benzaldehyde                | 1900  |           | 150  | 270  | 330        | ug/Kg |
| 62-53-3        | Aniline                     | 830   |           | 120  | 130  | 170        | ug/Kg |
| 108-95-2       | Phenol                      | 1400  |           | 74.4 | 130  | 170        | ug/Kg |
| 111-44-4       | bis(2-Chloroethyl)ether     | 1600  |           | 89.7 | 130  | 170        | ug/Kg |
| 95-57-8        | 2-Chlorophenol              | 1600  |           | 72   | 130  | 170        | ug/Kg |
| 95-50-1        | 1,2-Dichlorobenzene         | 1600  |           | 81.6 | 130  | 170        | ug/Kg |
| 541-73-1       | 1,3-Dichlorobenzene         | 1500  |           | 88.4 | 130  | 170        | ug/Kg |
| 106-46-7       | 1,4-Dichlorobenzene         | 1500  |           | 82.3 | 130  | 170        | ug/Kg |
| 100-51-6       | Benzyl Alcohol              | 1800  |           | 98.7 | 270  | 330        | ug/Kg |
| 95-48-7        | 2-Methylphenol              | 1500  |           | 110  | 130  | 170        | ug/Kg |
| 108-60-1       | 2,2-oxybis(1-Chloropropane) | 1400  |           | 100  | 130  | 170        | ug/Kg |
| 98-86-2        | Acetophenone                | 1500  |           | 86.6 | 130  | 170        | ug/Kg |
| 65794-96-9     | 3+4-Methylphenols           | 1400  |           | 110  | 270  | 330        | ug/Kg |
| 621-64-7       | n-Nitroso-di-n-propylamine  | 1400  |           | 59   | 79.9 | 79.9       | ug/Kg |
| 67-72-1        | Hexachloroethane            | 1600  |           | 73.6 | 130  | 170        | ug/Kg |
| 98-95-3        | Nitrobenzene                | 1500  |           | 75.1 | 130  | 170        | ug/Kg |
| 78-59-1        | Isophorone                  | 1500  |           | 68.1 | 130  | 170        | ug/Kg |
| 88-75-5        | 2-Nitrophenol               | 1700  |           | 95   | 130  | 170        | ug/Kg |
| 105-67-9       | 2,4-Dimethylphenol          | 1300  |           | 99.5 | 130  | 170        | ug/Kg |
| 111-91-1       | bis(2-Chloroethoxy)methane  | 1500  |           | 110  | 130  | 170        | ug/Kg |
| 120-83-2       | 2,4-Dichlorophenol          | 1600  |           | 78   | 130  | 170        | ug/Kg |
| 120-82-1       | 1,2,4-Trichlorobenzene      | 1500  |           | 77.4 | 130  | 170        | ug/Kg |
| 65-85-0        | Benzoic acid                | 1700  |           | 210  | 270  | 330        | ug/Kg |
| 91-20-3        | Naphthalene                 | 1400  |           | 81.3 | 130  | 170        | ug/Kg |
| 106-47-8       | 4-Chloroaniline             | 480   |           | 100  | 130  | 170        | ug/Kg |
| 87-68-3        | Hexachlorobutadiene         | 1500  |           | 83.9 | 130  | 170        | ug/Kg |
| 105-60-2       | Caprolactam                 | 1600  |           | 120  | 270  | 330        | ug/Kg |
| 59-50-7        | 4-Chloro-3-methylphenol     | 1600  |           | 82.4 | 130  | 170        | ug/Kg |
| 91-57-6        | 2-Methylnaphthalene         | 1400  |           | 94.8 | 130  | 170        | ug/Kg |

## Report of Analysis

|                    |                |                 |                      |
|--------------------|----------------|-----------------|----------------------|
| Client:            |                | Date Collected: | 3/7/2024 12:00:00 AM |
| Project:           |                | Date Received:  | 3/7/2024 12:00:00 AM |
| Client Sample ID:  | PB159489BS     | SDG No.:        | BF030724             |
| Lab Sample ID:     | PB159489BS     | 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 |
| BF137530.D        | 1         | 3/7/2024 12:00:00 AM | 3/7/2024 12:00:00 AM | PB159489      |

| CAS Number | Parameter                                       | Conc. | Qualifier | MDL    | LOD | LOQ / CRQL | Units |
|------------|-------------------------------------------------|-------|-----------|--------|-----|------------|-------|
| 77-47-4    | Hexachlorocyclopentadiene                       | 3200  | E         | 210    | 270 | 330        | ug/Kg |
| 88-06-2    | 2,4,6-Trichlorophenol                           | 1600  |           | 77     | 130 | 170        | ug/Kg |
| 95-95-4    | 2,4,5-Trichlorophenol                           | 1400  |           | 87.8   | 130 | 170        | ug/Kg |
| 92-52-4    | 1,1-Biphenyl                                    | 1400  |           | 91.2   | 130 | 170        | ug/Kg |
| 91-58-7    | 2-Chloronaphthalene                             | 1500  |           | 84.5   | 130 | 170        | ug/Kg |
| 88-74-4    | 2-Nitroaniline                                  | 1600  |           | 99.2   | 130 | 170        | ug/Kg |
| 131-11-3   | Dimethylphthalate                               | 1500  |           | 88.8   | 130 | 170        | ug/Kg |
| 208-96-8   | Acenaphthylene                                  | 1500  |           | 88.3   | 130 | 170        | ug/Kg |
| 606-20-2   | 2,6-Dinitrotoluene                              | 1600  |           | 89.9   | 130 | 170        | ug/Kg |
| 99-09-2    | 3-Nitroaniline                                  | 1000  |           | 93.3   | 130 | 170        | ug/Kg |
| 83-32-9    | Acenaphthene                                    | 1400  |           | 80.2   | 130 | 170        | ug/Kg |
| Total PAH  | Total PAH                                       | 24100 |           | 1436.7 | 130 | 2720       | ug/Kg |
| 51-28-5    | 2,4-Dinitrophenol                               | 3500  | E         | 180    | 270 | 330        | ug/Kg |
| 100-02-7   | 4-Nitrophenol                                   | 3100  | E         | 110    | 270 | 330        | ug/Kg |
| 132-64-9   | Dibenzofuran                                    | 1400  |           | 76.8   | 130 | 170        | ug/Kg |
| 25321-14-6 | 2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture) | 3200  |           | 189.7  | 130 | 340        | ug/Kg |
| 121-14-2   | 2,4-Dinitrotoluene                              | 1600  |           | 99.8   | 130 | 170        | ug/Kg |
| 84-66-2    | Diethylphthalate                                | 1500  |           | 85.8   | 130 | 170        | ug/Kg |
| 7005-72-3  | 4-Chlorophenyl-phenylether                      | 1400  |           | 90.3   | 130 | 170        | ug/Kg |
| 86-73-7    | Fluorene                                        | 1400  |           | 84.7   | 130 | 170        | ug/Kg |
| 100-01-6   | 4-Nitroaniline                                  | 1600  |           | 100    | 130 | 170        | ug/Kg |
| 534-52-1   | 4,6-Dinitro-2-methylphenol                      | 1800  |           | 87.7   | 270 | 330        | ug/Kg |
| 86-30-6    | n-Nitrosodiphenylamine                          | 1400  |           | 93.2   | 130 | 170        | ug/Kg |
| 103-33-3   | Azobenzene                                      | 1500  |           | 73.5   | 130 | 170        | ug/Kg |
| 101-55-3   | 4-Bromophenyl-phenylether                       | 1500  |           | 97.3   | 130 | 170        | ug/Kg |
| 118-74-1   | Hexachlorobenzene                               | 1600  |           | 98.7   | 130 | 170        | ug/Kg |
| 1912-24-9  | Atrazine                                        | 1400  |           | 95.3   | 130 | 170        | ug/Kg |
| 87-86-5    | Pentachlorophenol                               | 3000  | E         | 110    | 270 | 330        | ug/Kg |
| 85-01-8    | Phenanthrene                                    | 1400  |           | 92.6   | 130 | 170        | ug/Kg |
| 120-12-7   | Anthracene                                      | 1400  |           | 100    | 130 | 170        | ug/Kg |
| 86-74-8    | Carbazole                                       | 1400  |           | 84.8   | 130 | 170        | ug/Kg |
| 84-74-2    | Di-n-butylphthalate                             | 1500  |           | 100    | 130 | 170        | ug/Kg |
| 206-44-0   | Fluoranthene                                    | 1400  |           | 94.3   | 130 | 170        | ug/Kg |

## Report of Analysis

|                    |                |                 |                      |
|--------------------|----------------|-----------------|----------------------|
| Client:            |                | Date Collected: | 3/7/2024 12:00:00 AM |
| Project:           |                | Date Received:  | 3/7/2024 12:00:00 AM |
| Client Sample ID:  | PB159489BS     | SDG No.:        | BF030724             |
| Lab Sample ID:     | PB159489BS     | 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 |
| BF137530.D        | 1         | 3/7/2024 12:00:00 AM | 3/7/2024 12:00:00 AM | PB159489      |

| CAS Number                | Parameter                  | Conc.   | Qualifier | MDL    | LOD | LOQ / CRQL | Units     |
|---------------------------|----------------------------|---------|-----------|--------|-----|------------|-----------|
| 92-87-5                   | Benidine                   | 740     |           | 190    | 270 | 330        | ug/Kg     |
| 129-00-0                  | Pyrene                     | 1500    |           | 83.6   | 130 | 170        | ug/Kg     |
| 85-68-7                   | Butylbenzylphthalate       | 2000    |           | 100    | 130 | 170        | ug/Kg     |
| 91-94-1                   | 3,3-Dichlorobenzidine      | 1400    |           | 160    | 270 | 330        | ug/Kg     |
| 56-55-3                   | Benzo(a)anthracene         | 1500    |           | 83.8   | 130 | 170        | ug/Kg     |
| 218-01-9                  | Chrysene                   | 1500    |           | 86.7   | 130 | 170        | ug/Kg     |
| 117-81-7                  | Bis(2-ethylhexyl)phthalate | 1900    |           | 110    | 130 | 170        | ug/Kg     |
| 117-84-0                  | Di-n-octyl phthalate       | 1700    |           | 120    | 270 | 330        | ug/Kg     |
| 205-99-2                  | Benzo(b)fluoranthene       | 1700    |           | 80.2   | 130 | 170        | ug/Kg     |
| 207-08-9                  | Benzo(k)fluoranthene       | 1500    |           | 88     | 130 | 170        | ug/Kg     |
| 50-32-8                   | Benzo(a)pyrene             | 1500    |           | 94.2   | 130 | 170        | ug/Kg     |
| 193-39-5                  | Indeno(1,2,3-cd)pyrene     | 1700    |           | 110    | 130 | 170        | ug/Kg     |
| 53-70-3                   | Dibenzo(a,h)anthracene     | 1700    |           | 96.4   | 130 | 170        | ug/Kg     |
| 191-24-2                  | Benzo(g,h,i)perylene       | 1600    |           | 92.4   | 130 | 170        | ug/Kg     |
| 95-94-3                   | 1,2,4,5-Tetrachlorobenzene | 1500    |           | 89.3   | 130 | 170        | ug/Kg     |
| 123-91-1                  | 1,4-Dioxane                | 1200    |           | 120    | 130 | 170        | ug/Kg     |
| 58-90-2                   | 2,3,4,6-Tetrachlorophenol  | 1600    |           | 82.8   | 130 | 170        | ug/Kg     |
| 90-12-0                   | 1-Methylnaphthalene        | 1400    |           | 90.1   | 170 | 170        | ug/Kg     |
| <b>SURROGATES</b>         |                            |         |           |        |     |            |           |
| 367-12-4                  | 2-Fluorophenol             | 126.378 |           | 18-112 |     | 84         | SPK: -150 |
| 13127-88-3                | Phenol-d6                  | 120.793 |           | 15-107 |     | 81         | SPK: -150 |
| 4165-60-0                 | Nitrobenzene-d5            | 83.818  |           | 18-107 |     | 84         | SPK: -100 |
| 321-60-8                  | 2-Fluorobiphenyl           | 79.629  |           | 20-109 |     | 80         | SPK: -100 |
| 118-79-6                  | 2,4,6-Tribromophenol       | 153.069 |           | 10-110 |     | 102        | SPK: -150 |
| 1718-51-0                 | Terphenyl-d14              | 87.436  |           | 14-112 |     | 87         | SPK: -100 |
| <b>INTERNAL STANDARDS</b> |                            |         |           |        |     |            |           |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4     | 239063  | 6.869     |        |     |            |           |
| 1146-65-2                 | Naphthalene-d8             | 976541  | 8.145     |        |     |            |           |
| 15067-26-2                | Acenaphthene-d10           | 551849  | 9.904     |        |     |            |           |
| 1517-22-2                 | Phenanthrene-d10           | 991789  | 11.398    |        |     |            |           |
| 1719-03-5                 | Chrysene-d12               | 529272  | 14.063    |        |     |            |           |
| 1520-96-3                 | Perylene-d12               | 474837  | 15.598    |        |     |            |           |



Report of Analysis

|                    |            |                 |                      |
|--------------------|------------|-----------------|----------------------|
| Client:            |            | Date Collected: | 3/7/2024 12:00:00 AM |
| Project:           |            | Date Received:  | 3/7/2024 12:00:00 AM |
| Client Sample ID:  | PB159489BS | SDG No.:        | BF030724             |
| Lab Sample ID:     | PB159489BS | Matrix:         | Solid                |
| Analytical Method: | 8270E      | % Moisture:     | 0                    |
| Sample Wt/Vol:     | 30.02      | Units:          | g                    |
| Soil Aliquot Vol:  |            | Final Vol:      | 1000 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 |
| BF137530.D        | 1         | 3/7/2024 12:00:00 AM | 3/7/2024 12:00:00 AM | PB159489      |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|------------|-----------|-------|-----------|-----|-----|------------|-------|
|------------|-----------|-------|-----------|-----|-----|------------|-------|

## Report of Analysis

|                    |              |                 |                      |
|--------------------|--------------|-----------------|----------------------|
| Client:            |              | Date Collected: | 3/5/2024 12:00:00 AM |
| Project:           |              | Date Received:  | 3/5/2024 12:00:00 AM |
| Client Sample ID:  | COMP-2       | SDG No.:        | BF030724             |
| Lab Sample ID:     | P1688-02     | Matrix:         | Solid                |
| Analytical Method: | 8270E        | % Moisture:     | 11.6                 |
| Sample Wt/Vol:     | 30.09        | Units:          | g                    |
| Soil Aliquot Vol:  |              | Final Vol:      | 1000 uL              |
| Extraction Type :  |              | Test:           |                      |
|                    | Decanted :   | Level :         | LOW                  |
| Injection Volume : |              | GPC Cleanup :   | PH :                 |
|                    | GPC Factor : |                 |                      |

|                   |           |                      |                      |               |
|-------------------|-----------|----------------------|----------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date            | Date Analyzed        | Prep Batch ID |
| BF137531.D        | 1         | 3/7/2024 12:00:00 AM | 3/7/2024 12:00:00 AM | PB159489      |

| CAS Number     | Parameter                   | Conc. | Qualifier | MDL  | LOD  | LOQ / CRQL | Units |
|----------------|-----------------------------|-------|-----------|------|------|------------|-------|
| <b>TARGETS</b> |                             |       |           |      |      |            |       |
| 62-75-9        | n-Nitrosodimethylamine      | 87.2  | U         | 87.2 | 300  | 370        | ug/Kg |
| 110-86-1       | Pyridine                    | 81.7  | U         | 81.7 | 150  | 190        | ug/Kg |
| 100-52-7       | Benzaldehyde                | 170   | U         | 170  | 300  | 370        | ug/Kg |
| 62-53-3        | Aniline                     | 130   | U         | 130  | 150  | 190        | ug/Kg |
| 108-95-2       | Phenol                      | 83.9  | U         | 83.9 | 150  | 190        | ug/Kg |
| 111-44-4       | bis(2-Chloroethyl)ether     | 100   | U         | 100  | 150  | 190        | ug/Kg |
| 95-57-8        | 2-Chlorophenol              | 81.2  | U         | 81.2 | 150  | 190        | ug/Kg |
| 95-50-1        | 1,2-Dichlorobenzene         | 92.1  | U         | 92.1 | 150  | 190        | ug/Kg |
| 541-73-1       | 1,3-Dichlorobenzene         | 99.8  | U         | 99.8 | 150  | 190        | ug/Kg |
| 106-46-7       | 1,4-Dichlorobenzene         | 92.9  | U         | 92.9 | 150  | 190        | ug/Kg |
| 100-51-6       | Benzyl Alcohol              | 110   | U         | 110  | 300  | 370        | ug/Kg |
| 95-48-7        | 2-Methylphenol              | 130   | U         | 130  | 150  | 190        | ug/Kg |
| 108-60-1       | 2,2-oxybis(1-Chloropropane) | 120   | U         | 120  | 150  | 190        | ug/Kg |
| 98-86-2        | Acetophenone                | 97.8  | U         | 97.8 | 150  | 190        | ug/Kg |
| 65794-96-9     | 3+4-Methylphenols           | 120   | U         | 120  | 300  | 370        | ug/Kg |
| 621-64-7       | n-Nitroso-di-n-propylamine  | 66.5  | U         | 66.5 | 90.2 | 90.2       | ug/Kg |
| 67-72-1        | Hexachloroethane            | 83    | U         | 83   | 150  | 190        | ug/Kg |
| 98-95-3        | Nitrobenzene                | 84.8  | U         | 84.8 | 150  | 190        | ug/Kg |
| 78-59-1        | Isophorone                  | 76.8  | U         | 76.8 | 150  | 190        | ug/Kg |
| 88-75-5        | 2-Nitrophenol               | 110   | U         | 110  | 150  | 190        | ug/Kg |
| 105-67-9       | 2,4-Dimethylphenol          | 110   | U         | 110  | 150  | 190        | ug/Kg |
| 111-91-1       | bis(2-Chloroethoxy)methane  | 130   | U         | 130  | 150  | 190        | ug/Kg |
| 120-83-2       | 2,4-Dichlorophenol          | 88.1  | U         | 88.1 | 150  | 190        | ug/Kg |
| 120-82-1       | 1,2,4-Trichlorobenzene      | 87.4  | U         | 87.4 | 150  | 190        | ug/Kg |
| 65-85-0        | Benzoic acid                | 240   | U         | 240  | 300  | 370        | ug/Kg |
| 91-20-3        | Naphthalene                 | 91.8  | U         | 91.8 | 150  | 190        | ug/Kg |
| 106-47-8       | 4-Chloroaniline             | 120   | U         | 120  | 150  | 190        | ug/Kg |
| 87-68-3        | Hexachlorobutadiene         | 94.7  | U         | 94.7 | 150  | 190        | ug/Kg |
| 105-60-2       | Caprolactam                 | 130   | U         | 130  | 300  | 370        | ug/Kg |
| 59-50-7        | 4-Chloro-3-methylphenol     | 93    | U         | 93   | 150  | 190        | ug/Kg |
| 91-57-6        | 2-Methylnaphthalene         | 110   | U         | 110  | 150  | 190        | ug/Kg |

## Report of Analysis

|                    |            |                 |                      |
|--------------------|------------|-----------------|----------------------|
| Client:            |            | Date Collected: | 3/5/2024 12:00:00 AM |
| Project:           |            | Date Received:  | 3/5/2024 12:00:00 AM |
| Client Sample ID:  | COMP-2     | SDG No.:        | BF030724             |
| Lab Sample ID:     | P1688-02   | Matrix:         | Solid                |
| Analytical Method: | 8270E      | % Moisture:     | 11.6                 |
| 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 |
| BF137531.D        | 1         | 3/7/2024 12:00:00 AM | 3/7/2024 12:00:00 AM | PB159489      |

| CAS Number | Parameter                                       | Conc.  | Qualifier | MDL    | LOD | LOQ / CRQL | Units |
|------------|-------------------------------------------------|--------|-----------|--------|-----|------------|-------|
| 77-47-4    | Hexachlorocyclopentadiene                       | 240    | U         | 240    | 300 | 370        | ug/Kg |
| 88-06-2    | 2,4,6-Trichlorophenol                           | 87     | U         | 87     | 150 | 190        | ug/Kg |
| 95-95-4    | 2,4,5-Trichlorophenol                           | 99.1   | U         | 99.1   | 150 | 190        | ug/Kg |
| 92-52-4    | 1,1-Biphenyl                                    | 100    | U         | 100    | 150 | 190        | ug/Kg |
| 91-58-7    | 2-Chloronaphthalene                             | 95.4   | U         | 95.4   | 150 | 190        | ug/Kg |
| 88-74-4    | 2-Nitroaniline                                  | 110    | U         | 110    | 150 | 190        | ug/Kg |
| 131-11-3   | Dimethylphthalate                               | 100    | U         | 100    | 150 | 190        | ug/Kg |
| 208-96-8   | Acenaphthylene                                  | 99.7   | U         | 99.7   | 150 | 190        | ug/Kg |
| 606-20-2   | 2,6-Dinitrotoluene                              | 100    | U         | 100    | 150 | 190        | ug/Kg |
| 99-09-2    | 3-Nitroaniline                                  | 110    | U         | 110    | 150 | 190        | ug/Kg |
| 83-32-9    | Acenaphthene                                    | 90.6   | U         | 90.6   | 150 | 190        | ug/Kg |
| Total PAH  | Total PAH                                       | 1624.6 | U         | 1624.6 | 150 | 3040       | ug/Kg |
| 51-28-5    | 2,4-Dinitrophenol                               | 200    | U         | 200    | 300 | 370        | ug/Kg |
| 100-02-7   | 4-Nitrophenol                                   | 130    | U         | 130    | 300 | 370        | ug/Kg |
| 132-64-9   | Dibenzofuran                                    | 86.7   | U         | 86.7   | 150 | 190        | ug/Kg |
| 25321-14-6 | 2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture) | 210    | U         | 210    | 150 | 380        | ug/Kg |
| 121-14-2   | 2,4-Dinitrotoluene                              | 110    | U         | 110    | 150 | 190        | ug/Kg |
| 84-66-2    | Diethylphthalate                                | 96.9   | U         | 96.9   | 150 | 190        | ug/Kg |
| 7005-72-3  | 4-Chlorophenyl-phenylether                      | 100    | U         | 100    | 150 | 190        | ug/Kg |
| 86-73-7    | Fluorene                                        | 95.6   | U         | 95.6   | 150 | 190        | ug/Kg |
| 100-01-6   | 4-Nitroaniline                                  | 120    | U         | 120    | 150 | 190        | ug/Kg |
| 534-52-1   | 4,6-Dinitro-2-methylphenol                      | 99     | U         | 99     | 300 | 370        | ug/Kg |
| 86-30-6    | n-Nitrosodiphenylamine                          | 110    | U         | 110    | 150 | 190        | ug/Kg |
| 103-33-3   | Azobenzene                                      | 82.9   | U         | 82.9   | 150 | 190        | ug/Kg |
| 101-55-3   | 4-Bromophenyl-phenylether                       | 110    | U         | 110    | 150 | 190        | ug/Kg |
| 118-74-1   | Hexachlorobenzene                               | 110    | U         | 110    | 150 | 190        | ug/Kg |
| 1912-24-9  | Atrazine                                        | 110    | U         | 110    | 150 | 190        | ug/Kg |
| 87-86-5    | Pentachlorophenol                               | 130    | U         | 130    | 300 | 370        | ug/Kg |
| 85-01-8    | Phenanthrene                                    | 100    | U         | 100    | 150 | 190        | ug/Kg |
| 120-12-7   | Anthracene                                      | 120    | U         | 120    | 150 | 190        | ug/Kg |
| 86-74-8    | Carbazole                                       | 95.8   | U         | 95.8   | 150 | 190        | ug/Kg |
| 84-74-2    | Di-n-butylphthalate                             | 120    | U         | 120    | 150 | 190        | ug/Kg |
| 206-44-0   | Fluoranthene                                    | 110    | U         | 110    | 150 | 190        | ug/Kg |

## Report of Analysis

|                    |              |                 |                      |
|--------------------|--------------|-----------------|----------------------|
| Client:            |              | Date Collected: | 3/5/2024 12:00:00 AM |
| Project:           |              | Date Received:  | 3/5/2024 12:00:00 AM |
| Client Sample ID:  | COMP-2       | SDG No.:        | BF030724             |
| Lab Sample ID:     | P1688-02     | Matrix:         | Solid                |
| Analytical Method: | 8270E        | % Moisture:     | 11.6                 |
| Sample Wt/Vol:     | 30.09        | Units:          | g                    |
| Soil Aliquot Vol:  |              | Final Vol:      | 1000 uL              |
| Extraction Type :  |              | Test:           |                      |
|                    | Decanted :   | Level :         | LOW                  |
| Injection Volume : |              | GPC Cleanup :   | PH :                 |
|                    | GPC Factor : |                 |                      |

|                   |           |                      |                      |               |
|-------------------|-----------|----------------------|----------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date            | Date Analyzed        | Prep Batch ID |
| BF137531.D        | 1         | 3/7/2024 12:00:00 AM | 3/7/2024 12:00:00 AM | PB159489      |

| CAS Number                | Parameter                  | Conc.  | Qualifier | MDL    | LOD | LOQ / CRQL | Units     |
|---------------------------|----------------------------|--------|-----------|--------|-----|------------|-----------|
| 92-87-5                   | Benidine                   | 220    | U         | 220    | 300 | 370        | ug/Kg     |
| 129-00-0                  | Pyrene                     | 94.4   | U         | 94.4   | 150 | 190        | ug/Kg     |
| 85-68-7                   | Butylbenzylphthalate       | 120    | U         | 120    | 150 | 190        | ug/Kg     |
| 91-94-1                   | 3,3-Dichlorobenzidine      | 180    | U         | 180    | 300 | 370        | ug/Kg     |
| 56-55-3                   | Benzo(a)anthracene         | 94.6   | U         | 94.6   | 150 | 190        | ug/Kg     |
| 218-01-9                  | Chrysene                   | 97.9   | U         | 97.9   | 150 | 190        | ug/Kg     |
| 117-81-7                  | Bis(2-ethylhexyl)phthalate | 130    | U         | 130    | 150 | 190        | ug/Kg     |
| 117-84-0                  | Di-n-octyl phthalate       | 140    | U         | 140    | 300 | 370        | ug/Kg     |
| 205-99-2                  | Benzo(b)fluoranthene       | 90.6   | U         | 90.6   | 150 | 190        | ug/Kg     |
| 207-08-9                  | Benzo(k)fluoranthene       | 99.4   | U         | 99.4   | 150 | 190        | ug/Kg     |
| 50-32-8                   | Benzo(a)pyrene             | 110    | U         | 110    | 150 | 190        | ug/Kg     |
| 193-39-5                  | Indeno(1,2,3-cd)pyrene     | 120    | U         | 120    | 150 | 190        | ug/Kg     |
| 53-70-3                   | Dibenzo(a,h)anthracene     | 110    | U         | 110    | 150 | 190        | ug/Kg     |
| 191-24-2                  | Benzo(g,h,i)perylene       | 100    | U         | 100    | 150 | 190        | ug/Kg     |
| 95-94-3                   | 1,2,4,5-Tetrachlorobenzene | 100    | U         | 100    | 150 | 190        | ug/Kg     |
| 123-91-1                  | 1,4-Dioxane                | 130    | U         | 130    | 150 | 190        | ug/Kg     |
| 58-90-2                   | 2,3,4,6-Tetrachlorophenol  | 93.5   | U         | 93.5   | 150 | 190        | ug/Kg     |
| 90-12-0                   | 1-Methylnaphthalene        | 100    | U         | 100    | 190 | 190        | ug/Kg     |
| <b>SURROGATES</b>         |                            |        |           |        |     |            |           |
| 367-12-4                  | 2-Fluorophenol             | 69.757 |           | 18-112 |     | 47         | SPK: -150 |
| 13127-88-3                | Phenol-d6                  | 66.096 |           | 15-107 |     | 44         | SPK: -150 |
| 4165-60-0                 | Nitrobenzene-d5            | 45.486 |           | 18-107 |     | 45         | SPK: -100 |
| 321-60-8                  | 2-Fluorobiphenyl           | 47.204 |           | 20-109 |     | 47         | SPK: -100 |
| 118-79-6                  | 2,4,6-Tribromophenol       | 65.553 |           | 10-110 |     | 44         | SPK: -150 |
| 1718-51-0                 | Terphenyl-d14              | 44.684 |           | 14-112 |     | 45         | SPK: -100 |
| <b>INTERNAL STANDARDS</b> |                            |        |           |        |     |            |           |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4     | 204701 | 6.869     |        |     |            |           |
| 1146-65-2                 | Naphthalene-d8             | 798131 | 8.145     |        |     |            |           |
| 15067-26-2                | Acenaphthene-d10           | 429616 | 9.904     |        |     |            |           |
| 1517-22-2                 | Phenanthrene-d10           | 699273 | 11.398    |        |     |            |           |
| 1719-03-5                 | Chrysene-d12               | 382429 | 14.057    |        |     |            |           |
| 1520-96-3                 | Perylene-d12               | 417216 | 15.598    |        |     |            |           |



284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

## Report of Analysis

|                    |          |                 |                      |
|--------------------|----------|-----------------|----------------------|
| Client:            |          | Date Collected: | 3/5/2024 12:00:00 AM |
| Project:           |          | Date Received:  | 3/5/2024 12:00:00 AM |
| Client Sample ID:  | COMP-2   | SDG No.:        | BF030724             |
| Lab Sample ID:     | P1688-02 | Matrix:         | Solid                |
| Analytical Method: | 8270E    | % Moisture:     | 11.6                 |
| 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 |
| BF137531.D        | 1         | 3/7/2024 12:00:00 AM | 3/7/2024 12:00:00 AM | PB159489      |

| CAS Number                     | Parameter                          | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|--------------------------------|------------------------------------|-------|-----------|-----|-----|------------|-------|
| TENTATIVE IDENTIFIED COMPOUNDS |                                    |       |           |     |     |            |       |
| 000994-05-8                    | Butane, 2-methoxy-2-methyl-        | 960   | J         |     |     | 2.187      |       |
| 000057-10-3                    | n-Hexadecanoic acid                | 290   | J         |     |     | 11.939     |       |
| 000057-11-4                    | Octadecanoic acid                  | 93.2  | J         |     |     | 12.733     |       |
| 000630-01-3                    | Hexacosane                         | 90.2  | J         |     |     | 13.586     |       |
| 1000382-54-3                   | Carbonic acid, eicosyl vinyl ester | 200   | J         |     |     | 13.921     |       |
| 000112-95-8                    | Eicosane                           | 110   | J         |     |     | 14.551     |       |

## Report of Analysis

|                    |                        |                 |                      |
|--------------------|------------------------|-----------------|----------------------|
| Client:            |                        | Date Collected: | 3/5/2024 12:00:00 AM |
| Project:           |                        | Date Received:  | 3/5/2024 12:00:00 AM |
| Client Sample ID:  | COMP-2MS               | SDG No.:        | BF030724             |
| Lab Sample ID:     | P1688-02MS             | Matrix:         | Solid                |
| Analytical Method: | 8270E                  | % Moisture:     | 11.6                 |
| Sample Wt/Vol:     | 30.02      Units:    g | Final Vol:      | 1000              uL |
| Soil Aliquot Vol:  | uL                     | Test:           |                      |
| Extraction Type :  | Decanted :             | Level :         | LOW                  |
| Injection Volume : | GPC Factor :           | GPC Cleanup :   | PH :                 |

|                   |           |                      |                      |               |
|-------------------|-----------|----------------------|----------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date            | Date Analyzed        | Prep Batch ID |
| BF137532.D        | 1         | 3/7/2024 12:00:00 AM | 3/7/2024 12:00:00 AM | PB159489      |

| CAS Number     | Parameter                   | Conc. | Qualifier | MDL  | LOD  | LOQ / CRQL | Units |
|----------------|-----------------------------|-------|-----------|------|------|------------|-------|
| <b>TARGETS</b> |                             |       |           |      |      |            |       |
| 62-75-9        | n-Nitrosodimethylamine      | 1500  |           | 87.4 | 310  | 370        | ug/Kg |
| 110-86-1       | Pyridine                    | 1300  |           | 81.8 | 150  | 190        | ug/Kg |
| 100-52-7       | Benzaldehyde                | 1100  |           | 170  | 310  | 370        | ug/Kg |
| 62-53-3        | Aniline                     | 840   |           | 130  | 150  | 190        | ug/Kg |
| 108-95-2       | Phenol                      | 1500  |           | 84.1 | 150  | 190        | ug/Kg |
| 111-44-4       | bis(2-Chloroethyl)ether     | 1500  |           | 100  | 150  | 190        | ug/Kg |
| 95-57-8        | 2-Chlorophenol              | 1600  |           | 81.4 | 150  | 190        | ug/Kg |
| 95-50-1        | 1,2-Dichlorobenzene         | 1600  |           | 92.4 | 150  | 190        | ug/Kg |
| 541-73-1       | 1,3-Dichlorobenzene         | 1600  |           | 100  | 150  | 190        | ug/Kg |
| 106-46-7       | 1,4-Dichlorobenzene         | 1600  |           | 93.2 | 150  | 190        | ug/Kg |
| 100-51-6       | Benzyl Alcohol              | 1700  |           | 110  | 310  | 370        | ug/Kg |
| 95-48-7        | 2-Methylphenol              | 1400  |           | 130  | 150  | 190        | ug/Kg |
| 108-60-1       | 2,2-oxybis(1-Chloropropane) | 1400  |           | 120  | 150  | 190        | ug/Kg |
| 98-86-2        | Acetophenone                | 1600  |           | 98   | 150  | 190        | ug/Kg |
| 65794-96-9     | 3+4-Methylphenols           | 1400  |           | 120  | 310  | 370        | ug/Kg |
| 621-64-7       | n-Nitroso-di-n-propylamine  | 1400  |           | 66.7 | 90.4 | 90.4       | ug/Kg |
| 67-72-1        | Hexachloroethane            | 1600  |           | 83.2 | 150  | 190        | ug/Kg |
| 98-95-3        | Nitrobenzene                | 1500  |           | 85   | 150  | 190        | ug/Kg |
| 78-59-1        | Isophorone                  | 1500  |           | 77   | 150  | 190        | ug/Kg |
| 88-75-5        | 2-Nitrophenol               | 1700  |           | 110  | 150  | 190        | ug/Kg |
| 105-67-9       | 2,4-Dimethylphenol          | 1300  |           | 110  | 150  | 190        | ug/Kg |
| 111-91-1       | bis(2-Chloroethoxy)methane  | 1500  |           | 130  | 150  | 190        | ug/Kg |
| 120-83-2       | 2,4-Dichlorophenol          | 1600  |           | 88.3 | 150  | 190        | ug/Kg |
| 120-82-1       | 1,2,4-Trichlorobenzene      | 1600  |           | 87.6 | 150  | 190        | ug/Kg |
| 65-85-0        | Benzoic acid                | 1200  |           | 240  | 310  | 370        | ug/Kg |
| 91-20-3        | Naphthalene                 | 1500  |           | 92   | 150  | 190        | ug/Kg |
| 106-47-8       | 4-Chloroaniline             | 290   |           | 120  | 150  | 190        | ug/Kg |
| 87-68-3        | Hexachlorobutadiene         | 1600  |           | 95   | 150  | 190        | ug/Kg |
| 105-60-2       | Caprolactam                 | 1500  |           | 130  | 310  | 370        | ug/Kg |
| 59-50-7        | 4-Chloro-3-methylphenol     | 1600  |           | 93.3 | 150  | 190        | ug/Kg |
| 91-57-6        | 2-Methylnaphthalene         | 1400  |           | 110  | 150  | 190        | ug/Kg |

## Report of Analysis

|                    |                |                 |                      |
|--------------------|----------------|-----------------|----------------------|
| Client:            |                | Date Collected: | 3/5/2024 12:00:00 AM |
| Project:           |                | Date Received:  | 3/5/2024 12:00:00 AM |
| Client Sample ID:  | COMP-2MS       | SDG No.:        | BF030724             |
| Lab Sample ID:     | P1688-02MS     | Matrix:         | Solid                |
| Analytical Method: | 8270E          | % Moisture:     | 11.6                 |
| Sample Wt/Vol:     | 30.02 Units: g | Final Vol:      | 1000 uL              |
| Soil Aliquot Vol:  | uL             | Test:           |                      |
| Extraction Type :  | Decanted :     | Level :         | LOW                  |
| Injection Volume : | GPC Factor :   | GPC Cleanup :   | PH :                 |

|                   |           |                      |                      |               |
|-------------------|-----------|----------------------|----------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date            | Date Analyzed        | Prep Batch ID |
| BF137532.D        | 1         | 3/7/2024 12:00:00 AM | 3/7/2024 12:00:00 AM | PB159489      |

| CAS Number | Parameter                                       | Conc. | Qualifier | MDL    | LOD | LOQ / CRQL | Units |
|------------|-------------------------------------------------|-------|-----------|--------|-----|------------|-------|
| 77-47-4    | Hexachlorocyclopentadiene                       | 3200  | E         | 240    | 310 | 370        | ug/Kg |
| 88-06-2    | 2,4,6-Trichlorophenol                           | 1600  |           | 87.2   | 150 | 190        | ug/Kg |
| 95-95-4    | 2,4,5-Trichlorophenol                           | 1500  |           | 99.4   | 150 | 190        | ug/Kg |
| 92-52-4    | 1,1-Biphenyl                                    | 1500  |           | 100    | 150 | 190        | ug/Kg |
| 91-58-7    | 2-Chloronaphthalene                             | 1600  |           | 95.6   | 150 | 190        | ug/Kg |
| 88-74-4    | 2-Nitroaniline                                  | 1600  |           | 110    | 150 | 190        | ug/Kg |
| 131-11-3   | Dimethylphthalate                               | 1500  |           | 100    | 150 | 190        | ug/Kg |
| 208-96-8   | Acenaphthylene                                  | 1600  |           | 99.9   | 150 | 190        | ug/Kg |
| 606-20-2   | 2,6-Dinitrotoluene                              | 1600  |           | 100    | 150 | 190        | ug/Kg |
| 99-09-2    | 3-Nitroaniline                                  | 830   |           | 110    | 150 | 190        | ug/Kg |
| 83-32-9    | Acenaphthene                                    | 1500  |           | 90.8   | 150 | 190        | ug/Kg |
| Total PAH  | Total PAH                                       | 23900 |           | 1626.5 | 150 | 3040       | ug/Kg |
| 51-28-5    | 2,4-Dinitrophenol                               | 2700  |           | 200    | 310 | 370        | ug/Kg |
| 100-02-7   | 4-Nitrophenol                                   | 3000  |           | 130    | 310 | 370        | ug/Kg |
| 132-64-9   | Dibenzofuran                                    | 1500  |           | 86.9   | 150 | 190        | ug/Kg |
| 121-14-2   | 2,4-Dinitrotoluene                              | 1600  |           | 110    | 150 | 190        | ug/Kg |
| 25321-14-6 | 2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture) | 3200  |           | 210    | 150 | 380        | ug/Kg |
| 84-66-2    | Diethylphthalate                                | 1500  |           | 97.1   | 150 | 190        | ug/Kg |
| 7005-72-3  | 4-Chlorophenyl-phenylether                      | 1400  |           | 100    | 150 | 190        | ug/Kg |
| 86-73-7    | Fluorene                                        | 1400  |           | 95.9   | 150 | 190        | ug/Kg |
| 100-01-6   | 4-Nitroaniline                                  | 1500  |           | 120    | 150 | 190        | ug/Kg |
| 534-52-1   | 4,6-Dinitro-2-methylphenol                      | 1700  |           | 99.3   | 310 | 370        | ug/Kg |
| 86-30-6    | n-Nitrosodiphenylamine                          | 1500  |           | 110    | 150 | 190        | ug/Kg |
| 103-33-3   | Azobenzene                                      | 1500  |           | 83.1   | 150 | 190        | ug/Kg |
| 101-55-3   | 4-Bromophenyl-phenylether                       | 1600  |           | 110    | 150 | 190        | ug/Kg |
| 118-74-1   | Hexachlorobenzene                               | 1600  |           | 110    | 150 | 190        | ug/Kg |
| 1912-24-9  | Atrazine                                        | 1700  |           | 110    | 150 | 190        | ug/Kg |
| 87-86-5    | Pentachlorophenol                               | 2800  |           | 130    | 310 | 370        | ug/Kg |
| 85-01-8    | Phenanthrene                                    | 1500  |           | 100    | 150 | 190        | ug/Kg |
| 120-12-7   | Anthracene                                      | 1500  |           | 120    | 150 | 190        | ug/Kg |
| 86-74-8    | Carbazole                                       | 1500  |           | 96     | 150 | 190        | ug/Kg |
| 84-74-2    | Di-n-butylphthalate                             | 1600  |           | 120    | 150 | 190        | ug/Kg |
| 206-44-0   | Fluoranthene                                    | 1400  |           | 110    | 150 | 190        | ug/Kg |

## Report of Analysis

|                    |                        |                 |                      |
|--------------------|------------------------|-----------------|----------------------|
| Client:            |                        | Date Collected: | 3/5/2024 12:00:00 AM |
| Project:           |                        | Date Received:  | 3/5/2024 12:00:00 AM |
| Client Sample ID:  | COMP-2MS               | SDG No.:        | BF030724             |
| Lab Sample ID:     | P1688-02MS             | Matrix:         | Solid                |
| Analytical Method: | 8270E                  | % Moisture:     | 11.6                 |
| Sample Wt/Vol:     | 30.02      Units:    g | Final Vol:      | 1000              uL |
| Soil Aliquot Vol:  | uL                     | Test:           |                      |
| Extraction Type :  | Decanted :             | Level :         | LOW                  |
| Injection Volume : | GPC Factor :           | GPC Cleanup :   | PH :                 |

|                   |           |                      |                      |               |
|-------------------|-----------|----------------------|----------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date            | Date Analyzed        | Prep Batch ID |
| BF137532.D        | 1         | 3/7/2024 12:00:00 AM | 3/7/2024 12:00:00 AM | PB159489      |

| CAS Number                | Parameter                  | Conc.  | Qualifier | MDL    | LOD | LOQ / CRQL | Units     |
|---------------------------|----------------------------|--------|-----------|--------|-----|------------|-----------|
| 92-87-5                   | Benidine                   | 1900   |           | 220    | 310 | 370        | ug/Kg     |
| 129-00-0                  | Pyrene                     | 1500   |           | 94.6   | 150 | 190        | ug/Kg     |
| 85-68-7                   | Butylbenzylphthalate       | 2100   |           | 120    | 150 | 190        | ug/Kg     |
| 91-94-1                   | 3,3-Dichlorobenzidine      | 1200   |           | 180    | 310 | 370        | ug/Kg     |
| 56-55-3                   | Benzo(a)anthracene         | 1600   |           | 94.8   | 150 | 190        | ug/Kg     |
| 218-01-9                  | Chrysene                   | 1600   |           | 98.1   | 150 | 190        | ug/Kg     |
| 117-81-7                  | Bis(2-ethylhexyl)phthalate | 2100   |           | 130    | 150 | 190        | ug/Kg     |
| 117-84-0                  | Di-n-octyl phthalate       | 1900   |           | 140    | 310 | 370        | ug/Kg     |
| 205-99-2                  | Benzo(b)fluoranthene       | 1500   |           | 90.8   | 150 | 190        | ug/Kg     |
| 207-08-9                  | Benzo(k)fluoranthene       | 1500   |           | 99.6   | 150 | 190        | ug/Kg     |
| 50-32-8                   | Benzo(a)pyrene             | 1500   |           | 110    | 150 | 190        | ug/Kg     |
| 193-39-5                  | Indeno(1,2,3-cd)pyrene     | 1500   |           | 120    | 150 | 190        | ug/Kg     |
| 53-70-3                   | Dibenzo(a,h)anthracene     | 1500   |           | 110    | 150 | 190        | ug/Kg     |
| 191-24-2                  | Benzo(g,h,i)perylene       | 1300   |           | 100    | 150 | 190        | ug/Kg     |
| 95-94-3                   | 1,2,4,5-Tetrachlorobenzene | 1600   |           | 100    | 150 | 190        | ug/Kg     |
| 123-91-1                  | 1,4-Dioxane                | 1400   |           | 130    | 150 | 190        | ug/Kg     |
| 58-90-2                   | 2,3,4,6-Tetrachlorophenol  | 1500   |           | 93.7   | 150 | 190        | ug/Kg     |
| 90-12-0                   | 1-Methylnaphthalene        | 1400   |           | 100    | 190 | 190        | ug/Kg     |
| <b>SURROGATES</b>         |                            |        |           |        |     |            |           |
| 367-12-4                  | 2-Fluorophenol             | 74.526 |           | 18-112 |     | 50         | SPK: -150 |
| 13127-88-3                | Phenol-d6                  | 70.432 |           | 15-107 |     | 47         | SPK: -150 |
| 4165-60-0                 | Nitrobenzene-d5            | 49.549 |           | 18-107 |     | 50         | SPK: -100 |
| 321-60-8                  | 2-Fluorobiphenyl           | 50.073 |           | 20-109 |     | 50         | SPK: -100 |
| 118-79-6                  | 2,4,6-Tribromophenol       | 75.778 |           | 10-110 |     | 51         | SPK: -150 |
| 1718-51-0                 | Terphenyl-d14              | 50.629 |           | 14-112 |     | 51         | SPK: -100 |
| <b>INTERNAL STANDARDS</b> |                            |        |           |        |     |            |           |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4     | 214834 | 6.869     |        |     |            |           |
| 1146-65-2                 | Naphthalene-d8             | 823099 | 8.145     |        |     |            |           |
| 15067-26-2                | Acenaphthene-d10           | 446688 | 9.904     |        |     |            |           |
| 1517-22-2                 | Phenanthrene-d10           | 740580 | 11.398    |        |     |            |           |
| 1719-03-5                 | Chrysene-d12               | 362830 | 14.063    |        |     |            |           |
| 1520-96-3                 | Perylene-d12               | 457934 | 15.592    |        |     |            |           |



Report of Analysis

|                    |            |                 |                      |
|--------------------|------------|-----------------|----------------------|
| Client:            |            | Date Collected: | 3/5/2024 12:00:00 AM |
| Project:           |            | Date Received:  | 3/5/2024 12:00:00 AM |
| Client Sample ID:  | COMP-2MS   | SDG No.:        | BF030724             |
| Lab Sample ID:     | P1688-02MS | Matrix:         | Solid                |
| Analytical Method: | 8270E      | % Moisture:     | 11.6                 |
| Sample Wt/Vol:     | 30.02      | Units:          | g                    |
| Soil Aliquot Vol:  |            | Final Vol:      | 1000 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 |
| BF137532.D        | 1         | 3/7/2024 12:00:00 AM | 3/7/2024 12:00:00 AM | PB159489      |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|------------|-----------|-------|-----------|-----|-----|------------|-------|
|------------|-----------|-------|-----------|-----|-----|------------|-------|

## Report of Analysis

|                    |                        |                 |                      |
|--------------------|------------------------|-----------------|----------------------|
| Client:            |                        | Date Collected: | 3/5/2024 12:00:00 AM |
| Project:           |                        | Date Received:  | 3/5/2024 12:00:00 AM |
| Client Sample ID:  | COMP-2MSD              | SDG No.:        | BF030724             |
| Lab Sample ID:     | P1688-02MSD            | Matrix:         | Solid                |
| Analytical Method: | 8270E                  | % Moisture:     | 11.6                 |
| Sample Wt/Vol:     | 30.03      Units:    g | Final Vol:      | 1000              uL |
| Soil Aliquot Vol:  | uL                     | Test:           |                      |
| Extraction Type :  | Decanted :             | Level :         | LOW                  |
| Injection Volume : | GPC Factor :           | GPC Cleanup :   | PH :                 |

|                   |           |                      |                      |               |
|-------------------|-----------|----------------------|----------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date            | Date Analyzed        | Prep Batch ID |
| BF137533.D        | 1         | 3/7/2024 12:00:00 AM | 3/7/2024 12:00:00 AM | PB159489      |

| CAS Number     | Parameter                   | Conc. | Qualifier | MDL  | LOD  | LOQ / CRQL | Units |
|----------------|-----------------------------|-------|-----------|------|------|------------|-------|
| <b>TARGETS</b> |                             |       |           |      |      |            |       |
| 62-75-9        | n-Nitrosodimethylamine      | 1500  |           | 87.4 | 310  | 370        | ug/Kg |
| 110-86-1       | Pyridine                    | 1300  |           | 81.8 | 150  | 190        | ug/Kg |
| 100-52-7       | Benzaldehyde                | 1100  |           | 170  | 310  | 370        | ug/Kg |
| 62-53-3        | Aniline                     | 830   |           | 130  | 150  | 190        | ug/Kg |
| 108-95-2       | Phenol                      | 1500  |           | 84.1 | 150  | 190        | ug/Kg |
| 111-44-4       | bis(2-Chloroethyl)ether     | 1500  |           | 100  | 150  | 190        | ug/Kg |
| 95-57-8        | 2-Chlorophenol              | 1600  |           | 81.4 | 150  | 190        | ug/Kg |
| 95-50-1        | 1,2-Dichlorobenzene         | 1600  |           | 92.3 | 150  | 190        | ug/Kg |
| 541-73-1       | 1,3-Dichlorobenzene         | 1500  |           | 100  | 150  | 190        | ug/Kg |
| 106-46-7       | 1,4-Dichlorobenzene         | 1500  |           | 93.1 | 150  | 190        | ug/Kg |
| 100-51-6       | Benzyl Alcohol              | 1700  |           | 110  | 310  | 370        | ug/Kg |
| 95-48-7        | 2-Methylphenol              | 1400  |           | 130  | 150  | 190        | ug/Kg |
| 108-60-1       | 2,2-oxybis(1-Chloropropane) | 1400  |           | 120  | 150  | 190        | ug/Kg |
| 98-86-2        | Acetophenone                | 1500  |           | 98   | 150  | 190        | ug/Kg |
| 65794-96-9     | 3+4-Methylphenols           | 1400  |           | 120  | 310  | 370        | ug/Kg |
| 621-64-7       | n-Nitroso-di-n-propylamine  | 1400  |           | 66.7 | 90.4 | 90.4       | ug/Kg |
| 67-72-1        | Hexachloroethane            | 1600  |           | 83.2 | 150  | 190        | ug/Kg |
| 98-95-3        | Nitrobenzene                | 1500  |           | 85   | 150  | 190        | ug/Kg |
| 78-59-1        | Isophorone                  | 1500  |           | 77   | 150  | 190        | ug/Kg |
| 88-75-5        | 2-Nitrophenol               | 1700  |           | 110  | 150  | 190        | ug/Kg |
| 105-67-9       | 2,4-Dimethylphenol          | 1200  |           | 110  | 150  | 190        | ug/Kg |
| 111-91-1       | bis(2-Chloroethoxy)methane  | 1500  |           | 130  | 150  | 190        | ug/Kg |
| 120-83-2       | 2,4-Dichlorophenol          | 1600  |           | 88.3 | 150  | 190        | ug/Kg |
| 120-82-1       | 1,2,4-Trichlorobenzene      | 1600  |           | 87.6 | 150  | 190        | ug/Kg |
| 65-85-0        | Benzoic acid                | 1300  |           | 240  | 310  | 370        | ug/Kg |
| 91-20-3        | Naphthalene                 | 1500  |           | 92   | 150  | 190        | ug/Kg |
| 106-47-8       | 4-Chloroaniline             | 260   |           | 120  | 150  | 190        | ug/Kg |
| 87-68-3        | Hexachlorobutadiene         | 1500  |           | 94.9 | 150  | 190        | ug/Kg |
| 105-60-2       | Caprolactam                 | 1600  |           | 130  | 310  | 370        | ug/Kg |
| 59-50-7        | 4-Chloro-3-methylphenol     | 1500  |           | 93.2 | 150  | 190        | ug/Kg |
| 91-57-6        | 2-Methylnaphthalene         | 1400  |           | 110  | 150  | 190        | ug/Kg |

## Report of Analysis

|                    |                        |                 |                      |
|--------------------|------------------------|-----------------|----------------------|
| Client:            |                        | Date Collected: | 3/5/2024 12:00:00 AM |
| Project:           |                        | Date Received:  | 3/5/2024 12:00:00 AM |
| Client Sample ID:  | COMP-2MSD              | SDG No.:        | BF030724             |
| Lab Sample ID:     | P1688-02MSD            | Matrix:         | Solid                |
| Analytical Method: | 8270E                  | % Moisture:     | 11.6                 |
| Sample Wt/Vol:     | 30.03      Units:    g | Final Vol:      | 1000              uL |
| Soil Aliquot Vol:  | uL                     | Test:           |                      |
| Extraction Type :  | Decanted :             | Level :         | LOW                  |
| Injection Volume : | GPC Factor :           | GPC Cleanup :   | PH :                 |

|                   |           |                      |                      |               |
|-------------------|-----------|----------------------|----------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date            | Date Analyzed        | Prep Batch ID |
| BF137533.D        | 1         | 3/7/2024 12:00:00 AM | 3/7/2024 12:00:00 AM | PB159489      |

| CAS Number | Parameter                                       | Conc. | Qualifier | MDL    | LOD | LOQ / CRQL | Units |
|------------|-------------------------------------------------|-------|-----------|--------|-----|------------|-------|
| 77-47-4    | Hexachlorocyclopentadiene                       | 3000  | E         | 240    | 310 | 370        | ug/Kg |
| 88-06-2    | 2,4,6-Trichlorophenol                           | 1600  |           | 87.1   | 150 | 190        | ug/Kg |
| 95-95-4    | 2,4,5-Trichlorophenol                           | 1500  |           | 99.3   | 150 | 190        | ug/Kg |
| 92-52-4    | 1,1-Biphenyl                                    | 1500  |           | 100    | 150 | 190        | ug/Kg |
| 91-58-7    | 2-Chloronaphthalene                             | 1500  |           | 95.6   | 150 | 190        | ug/Kg |
| 88-74-4    | 2-Nitroaniline                                  | 1600  |           | 110    | 150 | 190        | ug/Kg |
| 131-11-3   | Dimethylphthalate                               | 1500  |           | 100    | 150 | 190        | ug/Kg |
| 208-96-8   | Acenaphthylene                                  | 1500  |           | 99.9   | 150 | 190        | ug/Kg |
| 606-20-2   | 2,6-Dinitrotoluene                              | 1600  |           | 100    | 150 | 190        | ug/Kg |
| 99-09-2    | 3-Nitroaniline                                  | 790   |           | 110    | 150 | 190        | ug/Kg |
| 83-32-9    | Acenaphthene                                    | 1400  |           | 90.7   | 150 | 190        | ug/Kg |
| Total PAH  | Total PAH                                       | 23300 |           | 1626.2 | 150 | 3040       | ug/Kg |
| 51-28-5    | 2,4-Dinitrophenol                               | 2600  |           | 200    | 310 | 370        | ug/Kg |
| 100-02-7   | 4-Nitrophenol                                   | 2800  |           | 130    | 310 | 370        | ug/Kg |
| 132-64-9   | Dibenzofuran                                    | 1400  |           | 86.9   | 150 | 190        | ug/Kg |
| 25321-14-6 | 2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture) | 3200  |           | 210    | 150 | 380        | ug/Kg |
| 121-14-2   | 2,4-Dinitrotoluene                              | 1600  |           | 110    | 150 | 190        | ug/Kg |
| 84-66-2    | Diethylphthalate                                | 1500  |           | 97.1   | 150 | 190        | ug/Kg |
| 7005-72-3  | 4-Chlorophenyl-phenylether                      | 1400  |           | 100    | 150 | 190        | ug/Kg |
| 86-73-7    | Fluorene                                        | 1400  |           | 95.8   | 150 | 190        | ug/Kg |
| 100-01-6   | 4-Nitroaniline                                  | 1400  |           | 120    | 150 | 190        | ug/Kg |
| 534-52-1   | 4,6-Dinitro-2-methylphenol                      | 1600  |           | 99.2   | 310 | 370        | ug/Kg |
| 86-30-6    | n-Nitrosodiphenylamine                          | 1600  |           | 110    | 150 | 190        | ug/Kg |
| 103-33-3   | Azobenzene                                      | 1400  |           | 83.1   | 150 | 190        | ug/Kg |
| 101-55-3   | 4-Bromophenyl-phenylether                       | 1600  |           | 110    | 150 | 190        | ug/Kg |
| 118-74-1   | Hexachlorobenzene                               | 1600  |           | 110    | 150 | 190        | ug/Kg |
| 1912-24-9  | Atrazine                                        | 1700  |           | 110    | 150 | 190        | ug/Kg |
| 87-86-5    | Pentachlorophenol                               | 2800  |           | 130    | 310 | 370        | ug/Kg |
| 85-01-8    | Phenanthrene                                    | 1500  |           | 100    | 150 | 190        | ug/Kg |
| 120-12-7   | Anthracene                                      | 1500  |           | 120    | 150 | 190        | ug/Kg |
| 86-74-8    | Carbazole                                       | 1500  |           | 95.9   | 150 | 190        | ug/Kg |
| 84-74-2    | Di-n-butylphthalate                             | 1600  |           | 120    | 150 | 190        | ug/Kg |
| 206-44-0   | Fluoranthene                                    | 1300  |           | 110    | 150 | 190        | ug/Kg |

## Report of Analysis

|                    |                |                 |                      |
|--------------------|----------------|-----------------|----------------------|
| Client:            |                | Date Collected: | 3/5/2024 12:00:00 AM |
| Project:           |                | Date Received:  | 3/5/2024 12:00:00 AM |
| Client Sample ID:  | COMP-2MSD      | SDG No.:        | BF030724             |
| Lab Sample ID:     | P1688-02MSD    | Matrix:         | Solid                |
| Analytical Method: | 8270E          | % Moisture:     | 11.6                 |
| Sample Wt/Vol:     | 30.03 Units: g | Final Vol:      | 1000 uL              |
| Soil Aliquot Vol:  | uL             | Test:           |                      |
| Extraction Type :  | Decanted :     | Level :         | LOW                  |
| Injection Volume : | GPC Factor :   | GPC Cleanup :   | PH :                 |

|                   |           |                      |                      |               |
|-------------------|-----------|----------------------|----------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date            | Date Analyzed        | Prep Batch ID |
| BF137533.D        | 1         | 3/7/2024 12:00:00 AM | 3/7/2024 12:00:00 AM | PB159489      |

| CAS Number                | Parameter                  | Conc.  | Qualifier | MDL    | LOD | LOQ / CRQL | Units     |
|---------------------------|----------------------------|--------|-----------|--------|-----|------------|-----------|
| 92-87-5                   | Benidine                   | 1800   |           | 220    | 310 | 370        | ug/Kg     |
| 129-00-0                  | Pyrene                     | 1400   |           | 94.6   | 150 | 190        | ug/Kg     |
| 85-68-7                   | Butylbenzylphthalate       | 2000   |           | 120    | 150 | 190        | ug/Kg     |
| 91-94-1                   | 3,3-Dichlorobenzidine      | 1200   |           | 180    | 310 | 370        | ug/Kg     |
| 56-55-3                   | Benzo(a)anthracene         | 1500   |           | 94.8   | 150 | 190        | ug/Kg     |
| 218-01-9                  | Chrysene                   | 1600   |           | 98.1   | 150 | 190        | ug/Kg     |
| 117-81-7                  | Bis(2-ethylhexyl)phthalate | 2000   |           | 130    | 150 | 190        | ug/Kg     |
| 117-84-0                  | Di-n-octyl phthalate       | 1900   |           | 140    | 310 | 370        | ug/Kg     |
| 205-99-2                  | Benzo(b)fluoranthene       | 1600   |           | 90.7   | 150 | 190        | ug/Kg     |
| 207-08-9                  | Benzo(k)fluoranthene       | 1400   |           | 99.6   | 150 | 190        | ug/Kg     |
| 50-32-8                   | Benzo(a)pyrene             | 1500   |           | 110    | 150 | 190        | ug/Kg     |
| 193-39-5                  | Indeno(1,2,3-cd)pyrene     | 1500   |           | 120    | 150 | 190        | ug/Kg     |
| 53-70-3                   | Dibenzo(a,h)anthracene     | 1400   |           | 110    | 150 | 190        | ug/Kg     |
| 191-24-2                  | Benzo(g,h,i)perylene       | 1300   |           | 100    | 150 | 190        | ug/Kg     |
| 95-94-3                   | 1,2,4,5-Tetrachlorobenzene | 1500   |           | 100    | 150 | 190        | ug/Kg     |
| 123-91-1                  | 1,4-Dioxane                | 1400   |           | 130    | 150 | 190        | ug/Kg     |
| 58-90-2                   | 2,3,4,6-Tetrachlorophenol  | 1500   |           | 93.7   | 150 | 190        | ug/Kg     |
| 90-12-0                   | 1-Methylnaphthalene        | 1400   |           | 100    | 190 | 190        | ug/Kg     |
| <b>SURROGATES</b>         |                            |        |           |        |     |            |           |
| 367-12-4                  | 2-Fluorophenol             | 72.432 |           | 18-112 |     | 48         | SPK: -150 |
| 13127-88-3                | Phenol-d6                  | 69.252 |           | 15-107 |     | 46         | SPK: -150 |
| 4165-60-0                 | Nitrobenzene-d5            | 48.932 |           | 18-107 |     | 49         | SPK: -100 |
| 321-60-8                  | 2-Fluorobiphenyl           | 48.217 |           | 20-109 |     | 48         | SPK: -100 |
| 118-79-6                  | 2,4,6-Tribromophenol       | 72.806 |           | 10-110 |     | 49         | SPK: -150 |
| 1718-51-0                 | Terphenyl-d14              | 49.017 |           | 14-112 |     | 49         | SPK: -100 |
| <b>INTERNAL STANDARDS</b> |                            |        |           |        |     |            |           |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4     | 222664 | 6.869     |        |     |            |           |
| 1146-65-2                 | Naphthalene-d8             | 862226 | 8.145     |        |     |            |           |
| 15067-26-2                | Acenaphthene-d10           | 476086 | 9.904     |        |     |            |           |
| 1517-22-2                 | Phenanthrene-d10           | 757881 | 11.398    |        |     |            |           |
| 1719-03-5                 | Chrysene-d12               | 377347 | 14.063    |        |     |            |           |
| 1520-96-3                 | Perylene-d12               | 467922 | 15.598    |        |     |            |           |



Report of Analysis

|                    |             |                 |                      |
|--------------------|-------------|-----------------|----------------------|
| Client:            |             | Date Collected: | 3/5/2024 12:00:00 AM |
| Project:           |             | Date Received:  | 3/5/2024 12:00:00 AM |
| Client Sample ID:  | COMP-2MSD   | SDG No.:        | BF030724             |
| Lab Sample ID:     | P1688-02MSD | Matrix:         | Solid                |
| Analytical Method: | 8270E       | % Moisture:     | 11.6                 |
| Sample Wt/Vol:     | 30.03       | Units:          | g                    |
| Soil Aliquot Vol:  |             | Final Vol:      | 1000 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 |
| BF137533.D        | 1         | 3/7/2024 12:00:00 AM | 3/7/2024 12:00:00 AM | PB159489      |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|------------|-----------|-------|-----------|-----|-----|------------|-------|
|------------|-----------|-------|-----------|-----|-----|------------|-------|

## Report of Analysis

|                    |            |                 |                      |
|--------------------|------------|-----------------|----------------------|
| Client:            |            | Date Collected: | 3/5/2024 12:00:00 AM |
| Project:           |            | Date Received:  | 3/5/2024 12:00:00 AM |
| Client Sample ID:  | COMP-3     | SDG No.:        | BF030724             |
| Lab Sample ID:     | P1688-03   | Matrix:         | Solid                |
| Analytical Method: | 8270E      | % Moisture:     | 8.6                  |
| 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 |
| BF137534.D        | 1         | 3/7/2024 12:00:00 AM | 3/7/2024 12:00:00 AM | PB159489      |

| CAS Number     | Parameter                   | Conc. | Qualifier | MDL  | LOD  | LOQ / CRQL | Units |
|----------------|-----------------------------|-------|-----------|------|------|------------|-------|
| <b>TARGETS</b> |                             |       |           |      |      |            |       |
| 62-75-9        | n-Nitrosodimethylamine      | 84.5  | U         | 84.5 | 300  | 360        | ug/Kg |
| 110-86-1       | Pyridine                    | 79.2  | U         | 79.2 | 140  | 190        | ug/Kg |
| 100-52-7       | Benzaldehyde                | 160   | U         | 160  | 300  | 360        | ug/Kg |
| 62-53-3        | Aniline                     | 130   | U         | 130  | 140  | 190        | ug/Kg |
| 108-95-2       | Phenol                      | 81.4  | U         | 81.4 | 140  | 190        | ug/Kg |
| 111-44-4       | bis(2-Chloroethyl)ether     | 98.2  | U         | 98.2 | 140  | 190        | ug/Kg |
| 95-57-8        | 2-Chlorophenol              | 78.7  | U         | 78.7 | 140  | 190        | ug/Kg |
| 95-50-1        | 1,2-Dichlorobenzene         | 89.4  | U         | 89.4 | 140  | 190        | ug/Kg |
| 541-73-1       | 1,3-Dichlorobenzene         | 96.8  | U         | 96.8 | 140  | 190        | ug/Kg |
| 106-46-7       | 1,4-Dichlorobenzene         | 90.1  | U         | 90.1 | 140  | 190        | ug/Kg |
| 100-51-6       | Benzyl Alcohol              | 110   | U         | 110  | 300  | 360        | ug/Kg |
| 95-48-7        | 2-Methylphenol              | 120   | U         | 120  | 140  | 190        | ug/Kg |
| 108-60-1       | 2,2-oxybis(1-Chloropropane) | 110   | U         | 110  | 140  | 190        | ug/Kg |
| 98-86-2        | Acetophenone                | 94.8  | U         | 94.8 | 140  | 190        | ug/Kg |
| 65794-96-9     | 3+4-Methylphenols           | 120   | U         | 120  | 300  | 360        | ug/Kg |
| 621-64-7       | n-Nitroso-di-n-propylamine  | 64.5  | U         | 64.5 | 87.5 | 87.5       | ug/Kg |
| 67-72-1        | Hexachloroethane            | 80.5  | U         | 80.5 | 140  | 190        | ug/Kg |
| 98-95-3        | Nitrobenzene                | 82.2  | U         | 82.2 | 140  | 190        | ug/Kg |
| 78-59-1        | Isophorone                  | 74.5  | U         | 74.5 | 140  | 190        | ug/Kg |
| 88-75-5        | 2-Nitrophenol               | 100   | U         | 100  | 140  | 190        | ug/Kg |
| 105-67-9       | 2,4-Dimethylphenol          | 110   | U         | 110  | 140  | 190        | ug/Kg |
| 111-91-1       | bis(2-Chloroethoxy)methane  | 120   | U         | 120  | 140  | 190        | ug/Kg |
| 120-83-2       | 2,4-Dichlorophenol          | 85.4  | U         | 85.4 | 140  | 190        | ug/Kg |
| 120-82-1       | 1,2,4-Trichlorobenzene      | 84.8  | U         | 84.8 | 140  | 190        | ug/Kg |
| 65-85-0        | Benzoic acid                | 230   | U         | 230  | 300  | 360        | ug/Kg |
| 91-20-3        | Naphthalene                 | 89    | U         | 89   | 140  | 190        | ug/Kg |
| 106-47-8       | 4-Chloroaniline             | 110   | U         | 110  | 140  | 190        | ug/Kg |
| 87-68-3        | Hexachlorobutadiene         | 91.9  | U         | 91.9 | 140  | 190        | ug/Kg |
| 105-60-2       | Caprolactam                 | 130   | U         | 130  | 300  | 360        | ug/Kg |
| 59-50-7        | 4-Chloro-3-methylphenol     | 90.2  | U         | 90.2 | 140  | 190        | ug/Kg |
| 91-57-6        | 2-Methylnaphthalene         | 100   | U         | 100  | 140  | 190        | ug/Kg |

## Report of Analysis

|                    |              |                 |                      |
|--------------------|--------------|-----------------|----------------------|
| Client:            |              | Date Collected: | 3/5/2024 12:00:00 AM |
| Project:           |              | Date Received:  | 3/5/2024 12:00:00 AM |
| Client Sample ID:  | COMP-3       | SDG No.:        | BF030724             |
| Lab Sample ID:     | P1688-03     | Matrix:         | Solid                |
| Analytical Method: | 8270E        | % Moisture:     | 8.6                  |
| Sample Wt/Vol:     | 30.01        | Units:          | g                    |
| Soil Aliquot Vol:  |              | Final Vol:      | 1000 uL              |
| Extraction Type :  |              | Test:           |                      |
|                    | Decanted :   | Level :         | LOW                  |
| Injection Volume : |              | GPC Cleanup :   | PH :                 |
|                    | GPC Factor : |                 |                      |

|                   |           |                      |                      |               |
|-------------------|-----------|----------------------|----------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date            | Date Analyzed        | Prep Batch ID |
| BF137534.D        | 1         | 3/7/2024 12:00:00 AM | 3/7/2024 12:00:00 AM | PB159489      |

| CAS Number | Parameter                                       | Conc.  | Qualifier | MDL    | LOD | LOQ / CRQL | Units |
|------------|-------------------------------------------------|--------|-----------|--------|-----|------------|-------|
| 77-47-4    | Hexachlorocyclopentadiene                       | 230    | U         | 230    | 300 | 360        | ug/Kg |
| 88-06-2    | 2,4,6-Trichlorophenol                           | 84.3   | U         | 84.3   | 140 | 190        | ug/Kg |
| 95-95-4    | 2,4,5-Trichlorophenol                           | 96.1   | U         | 96.1   | 140 | 190        | ug/Kg |
| 92-52-4    | 1,1-Biphenyl                                    | 99.9   | U         | 99.9   | 140 | 190        | ug/Kg |
| 91-58-7    | 2-Chloronaphthalene                             | 92.5   | U         | 92.5   | 140 | 190        | ug/Kg |
| 88-74-4    | 2-Nitroaniline                                  | 110    | U         | 110    | 140 | 190        | ug/Kg |
| 131-11-3   | Dimethylphthalate                               | 97.2   | U         | 97.2   | 140 | 190        | ug/Kg |
| 208-96-8   | Acenaphthylene                                  | 96.7   | U         | 96.7   | 140 | 190        | ug/Kg |
| 606-20-2   | 2,6-Dinitrotoluene                              | 98.4   | U         | 98.4   | 140 | 190        | ug/Kg |
| 99-09-2    | 3-Nitroaniline                                  | 100    | U         | 100    | 140 | 190        | ug/Kg |
| 83-32-9    | Acenaphthene                                    | 87.8   | U         | 87.8   | 140 | 190        | ug/Kg |
| Total PAH  | Total PAH                                       | 1568.6 | U         | 1568.6 | 140 | 3040       | ug/Kg |
| 51-28-5    | 2,4-Dinitrophenol                               | 200    | U         | 200    | 300 | 360        | ug/Kg |
| 100-02-7   | 4-Nitrophenol                                   | 120    | U         | 120    | 300 | 360        | ug/Kg |
| 132-64-9   | Dibenzofuran                                    | 84.1   | U         | 84.1   | 140 | 190        | ug/Kg |
| 25321-14-6 | 2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture) | 208.4  | U         | 208.4  | 140 | 380        | ug/Kg |
| 121-14-2   | 2,4-Dinitrotoluene                              | 110    | U         | 110    | 140 | 190        | ug/Kg |
| 84-66-2    | Diethylphthalate                                | 94     | U         | 94     | 140 | 190        | ug/Kg |
| 7005-72-3  | 4-Chlorophenyl-phenylether                      | 98.9   | U         | 98.9   | 140 | 190        | ug/Kg |
| 86-73-7    | Fluorene                                        | 92.7   | U         | 92.7   | 140 | 190        | ug/Kg |
| 100-01-6   | 4-Nitroaniline                                  | 110    | U         | 110    | 140 | 190        | ug/Kg |
| 534-52-1   | 4,6-Dinitro-2-methylphenol                      | 96     | U         | 96     | 300 | 360        | ug/Kg |
| 86-30-6    | n-Nitrosodiphenylamine                          | 100    | U         | 100    | 140 | 190        | ug/Kg |
| 103-33-3   | Azobenzene                                      | 80.4   | U         | 80.4   | 140 | 190        | ug/Kg |
| 101-55-3   | 4-Bromophenyl-phenylether                       | 110    | U         | 110    | 140 | 190        | ug/Kg |
| 118-74-1   | Hexachlorobenzene                               | 110    | U         | 110    | 140 | 190        | ug/Kg |
| 1912-24-9  | Atrazine                                        | 100    | U         | 100    | 140 | 190        | ug/Kg |
| 87-86-5    | Pentachlorophenol                               | 120    | U         | 120    | 300 | 360        | ug/Kg |
| 85-01-8    | Phenanthrene                                    | 100    | U         | 100    | 140 | 190        | ug/Kg |
| 120-12-7   | Anthracene                                      | 110    | U         | 110    | 140 | 190        | ug/Kg |
| 86-74-8    | Carbazole                                       | 92.9   | U         | 92.9   | 140 | 190        | ug/Kg |
| 84-74-2    | Di-n-butylphthalate                             | 110    | U         | 110    | 140 | 190        | ug/Kg |
| 206-44-0   | Fluoranthene                                    | 100    | U         | 100    | 140 | 190        | ug/Kg |

## Report of Analysis

|                    |            |                 |                      |
|--------------------|------------|-----------------|----------------------|
| Client:            |            | Date Collected: | 3/5/2024 12:00:00 AM |
| Project:           |            | Date Received:  | 3/5/2024 12:00:00 AM |
| Client Sample ID:  | COMP-3     | SDG No.:        | BF030724             |
| Lab Sample ID:     | P1688-03   | Matrix:         | Solid                |
| Analytical Method: | 8270E      | % Moisture:     | 8.6                  |
| 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 |
| BF137534.D        | 1         | 3/7/2024 12:00:00 AM | 3/7/2024 12:00:00 AM | PB159489      |

| CAS Number                | Parameter                  | Conc.  | Qualifier | MDL    | LOD | LOQ / CRQL | Units     |
|---------------------------|----------------------------|--------|-----------|--------|-----|------------|-----------|
| 92-87-5                   | Benidine                   | 210    | U         | 210    | 300 | 360        | ug/Kg     |
| 129-00-0                  | Pyrene                     | 91.5   | U         | 91.5   | 140 | 190        | ug/Kg     |
| 85-68-7                   | Butylbenzylphthalate       | 110    | U         | 110    | 140 | 190        | ug/Kg     |
| 91-94-1                   | 3,3-Dichlorobenzidine      | 180    | U         | 180    | 300 | 360        | ug/Kg     |
| 56-55-3                   | Benzo(a)anthracene         | 91.8   | U         | 91.8   | 140 | 190        | ug/Kg     |
| 218-01-9                  | Chrysene                   | 94.9   | U         | 94.9   | 140 | 190        | ug/Kg     |
| 117-81-7                  | Bis(2-ethylhexyl)phthalate | 130    | U         | 130    | 140 | 190        | ug/Kg     |
| 117-84-0                  | Di-n-octyl phthalate       | 130    | U         | 130    | 300 | 360        | ug/Kg     |
| 205-99-2                  | Benzo(b)fluoranthene       | 87.8   | U         | 87.8   | 140 | 190        | ug/Kg     |
| 207-08-9                  | Benzo(k)fluoranthene       | 96.4   | U         | 96.4   | 140 | 190        | ug/Kg     |
| 50-32-8                   | Benzo(a)pyrene             | 100    | U         | 100    | 140 | 190        | ug/Kg     |
| 193-39-5                  | Indeno(1,2,3-cd)pyrene     | 120    | U         | 120    | 140 | 190        | ug/Kg     |
| 53-70-3                   | Dibenzo(a,h)anthracene     | 110    | U         | 110    | 140 | 190        | ug/Kg     |
| 191-24-2                  | Benzo(g,h,i)perylene       | 100    | U         | 100    | 140 | 190        | ug/Kg     |
| 95-94-3                   | 1,2,4,5-Tetrachlorobenzene | 97.8   | U         | 97.8   | 140 | 190        | ug/Kg     |
| 123-91-1                  | 1,4-Dioxane                | 130    | U         | 130    | 140 | 190        | ug/Kg     |
| 58-90-2                   | 2,3,4,6-Tetrachlorophenol  | 90.7   | U         | 90.7   | 140 | 190        | ug/Kg     |
| 90-12-0                   | 1-Methylnaphthalene        | 98.7   | U         | 98.7   | 190 | 190        | ug/Kg     |
| <b>SURROGATES</b>         |                            |        |           |        |     |            |           |
| 367-12-4                  | 2-Fluorophenol             | 71.583 |           | 18-112 |     | 48         | SPK: -150 |
| 13127-88-3                | Phenol-d6                  | 66.183 |           | 15-107 |     | 44         | SPK: -150 |
| 4165-60-0                 | Nitrobenzene-d5            | 45.834 |           | 18-107 |     | 46         | SPK: -100 |
| 321-60-8                  | 2-Fluorobiphenyl           | 47.236 |           | 20-109 |     | 47         | SPK: -100 |
| 118-79-6                  | 2,4,6-Tribromophenol       | 61.857 |           | 10-110 |     | 41         | SPK: -150 |
| 1718-51-0                 | Terphenyl-d14              | 40.652 |           | 14-112 |     | 41         | SPK: -100 |
| <b>INTERNAL STANDARDS</b> |                            |        |           |        |     |            |           |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4     | 203192 | 6.869     |        |     |            |           |
| 1146-65-2                 | Naphthalene-d8             | 800020 | 8.139     |        |     |            |           |
| 15067-26-2                | Acenaphthene-d10           | 428629 | 9.898     |        |     |            |           |
| 1517-22-2                 | Phenanthrene-d10           | 687968 | 11.392    |        |     |            |           |
| 1719-03-5                 | Chrysene-d12               | 377231 | 14.057    |        |     |            |           |
| 1520-96-3                 | Perylene-d12               | 424489 | 15.592    |        |     |            |           |



Report of Analysis

|                    |          |                 |                      |
|--------------------|----------|-----------------|----------------------|
| Client:            |          | Date Collected: | 3/5/2024 12:00:00 AM |
| Project:           |          | Date Received:  | 3/5/2024 12:00:00 AM |
| Client Sample ID:  | COMP-3   | SDG No.:        | BF030724             |
| Lab Sample ID:     | P1688-03 | Matrix:         | Solid                |
| Analytical Method: | 8270E    | % Moisture:     | 8.6                  |
| Sample Wt/Vol:     | 30.01    | Units:          | g                    |
| Soil Aliquot Vol:  |          | Final Vol:      | 1000 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 |
| BF137534.D        | 1         | 3/7/2024 12:00:00 AM | 3/7/2024 12:00:00 AM | PB159489      |

| CAS Number                     | Parameter                          | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|--------------------------------|------------------------------------|-------|-----------|-----|-----|------------|-------|
| TENTATIVE IDENTIFIED COMPOUNDS |                                    |       |           |     |     |            |       |
| 000994-05-8                    | Butane, 2-methoxy-2-methyl-        | 900   | J         |     |     | 2.187      |       |
| 1010351-81-4                   | Dotriacontyl pentafluoropropionate | 130   | J         |     |     | 13.916     |       |

## Report of Analysis

|                    |              |                 |                      |
|--------------------|--------------|-----------------|----------------------|
| Client:            |              | Date Collected: | 3/5/2024 12:00:00 AM |
| Project:           |              | Date Received:  | 3/5/2024 12:00:00 AM |
| Client Sample ID:  | COMP-4       | SDG No.:        | BF030724             |
| Lab Sample ID:     | P1688-04     | Matrix:         | Solid                |
| Analytical Method: | 8270E        | % Moisture:     | 17.5                 |
| Sample Wt/Vol:     | 30.06        | Units:          | g                    |
| Soil Aliquot Vol:  |              | Final Vol:      | 1000 uL              |
| Extraction Type :  |              | Test:           |                      |
|                    | Decanted :   | Level :         | LOW                  |
| Injection Volume : |              | GPC Cleanup :   | PH :                 |
|                    | GPC Factor : |                 |                      |

|                   |           |                      |                      |               |
|-------------------|-----------|----------------------|----------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date            | Date Analyzed        | Prep Batch ID |
| BF137535.D        | 1         | 3/7/2024 12:00:00 AM | 3/7/2024 12:00:00 AM | PB159489      |

| CAS Number     | Parameter                   | Conc. | Qualifier | MDL  | LOD  | LOQ / CRQL | Units |
|----------------|-----------------------------|-------|-----------|------|------|------------|-------|
| <b>TARGETS</b> |                             |       |           |      |      |            |       |
| 62-75-9        | n-Nitrosodimethylamine      | 93.5  | U         | 93.5 | 330  | 400        | ug/Kg |
| 110-86-1       | Pyridine                    | 87.6  | U         | 87.6 | 160  | 210        | ug/Kg |
| 100-52-7       | Benzaldehyde                | 180   | U         | 180  | 330  | 400        | ug/Kg |
| 62-53-3        | Aniline                     | 140   | U         | 140  | 160  | 210        | ug/Kg |
| 108-95-2       | Phenol                      | 90    | U         | 90   | 160  | 210        | ug/Kg |
| 111-44-4       | bis(2-Chloroethyl)ether     | 110   | U         | 110  | 160  | 210        | ug/Kg |
| 95-57-8        | 2-Chlorophenol              | 87.1  | U         | 87.1 | 160  | 210        | ug/Kg |
| 95-50-1        | 1,2-Dichlorobenzene         | 98.8  | U         | 98.8 | 160  | 210        | ug/Kg |
| 541-73-1       | 1,3-Dichlorobenzene         | 110   | U         | 110  | 160  | 210        | ug/Kg |
| 106-46-7       | 1,4-Dichlorobenzene         | 99.7  | U         | 99.7 | 160  | 210        | ug/Kg |
| 100-51-6       | Benzyl Alcohol              | 120   | U         | 120  | 330  | 400        | ug/Kg |
| 95-48-7        | 2-Methylphenol              | 140   | U         | 140  | 160  | 210        | ug/Kg |
| 108-60-1       | 2,2-oxybis(1-Chloropropane) | 130   | U         | 130  | 160  | 210        | ug/Kg |
| 98-86-2        | Acetophenone                | 100   | U         | 100  | 160  | 210        | ug/Kg |
| 65794-96-9     | 3+4-Methylphenols           | 130   | U         | 130  | 330  | 400        | ug/Kg |
| 621-64-7       | n-Nitroso-di-n-propylamine  | 71.4  | U         | 71.4 | 96.8 | 96.8       | ug/Kg |
| 67-72-1        | Hexachloroethane            | 89    | U         | 89   | 160  | 210        | ug/Kg |
| 98-95-3        | Nitrobenzene                | 91    | U         | 91   | 160  | 210        | ug/Kg |
| 78-59-1        | Isophorone                  | 82.4  | U         | 82.4 | 160  | 210        | ug/Kg |
| 88-75-5        | 2-Nitrophenol               | 120   | U         | 120  | 160  | 210        | ug/Kg |
| 105-67-9       | 2,4-Dimethylphenol          | 120   | U         | 120  | 160  | 210        | ug/Kg |
| 111-91-1       | bis(2-Chloroethoxy)methane  | 140   | U         | 140  | 160  | 210        | ug/Kg |
| 120-83-2       | 2,4-Dichlorophenol          | 94.5  | U         | 94.5 | 160  | 210        | ug/Kg |
| 120-82-1       | 1,2,4-Trichlorobenzene      | 93.8  | U         | 93.8 | 160  | 210        | ug/Kg |
| 65-85-0        | Benzoic acid                | 260   | U         | 260  | 330  | 400        | ug/Kg |
| 91-20-3        | Naphthalene                 | 98.5  | U         | 98.5 | 160  | 210        | ug/Kg |
| 106-47-8       | 4-Chloroaniline             | 130   | U         | 130  | 160  | 210        | ug/Kg |
| 87-68-3        | Hexachlorobutadiene         | 100   | U         | 100  | 160  | 210        | ug/Kg |
| 105-60-2       | Caprolactam                 | 140   | U         | 140  | 330  | 400        | ug/Kg |
| 59-50-7        | 4-Chloro-3-methylphenol     | 99.8  | U         | 99.8 | 160  | 210        | ug/Kg |
| 91-57-6        | 2-Methylnaphthalene         | 110   | U         | 110  | 160  | 210        | ug/Kg |

## Report of Analysis

|                    |              |                 |                      |
|--------------------|--------------|-----------------|----------------------|
| Client:            |              | Date Collected: | 3/5/2024 12:00:00 AM |
| Project:           |              | Date Received:  | 3/5/2024 12:00:00 AM |
| Client Sample ID:  | COMP-4       | SDG No.:        | BF030724             |
| Lab Sample ID:     | P1688-04     | Matrix:         | Solid                |
| Analytical Method: | 8270E        | % Moisture:     | 17.5                 |
| Sample Wt/Vol:     | 30.06        | Units:          | g                    |
| Soil Aliquot Vol:  |              | Final Vol:      | 1000 uL              |
| Extraction Type :  |              | Test:           |                      |
|                    | Decanted :   | Level :         | LOW                  |
| Injection Volume : |              | GPC Cleanup :   | PH :                 |
|                    | GPC Factor : |                 |                      |

|                   |           |                      |                      |               |
|-------------------|-----------|----------------------|----------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date            | Date Analyzed        | Prep Batch ID |
| BF137535.D        | 1         | 3/7/2024 12:00:00 AM | 3/7/2024 12:00:00 AM | PB159489      |

| CAS Number | Parameter                                       | Conc.  | Qualifier | MDL    | LOD | LOQ / CRQL | Units |
|------------|-------------------------------------------------|--------|-----------|--------|-----|------------|-------|
| 77-47-4    | Hexachlorocyclopentadiene                       | 250    | U         | 250    | 330 | 400        | ug/Kg |
| 88-06-2    | 2,4,6-Trichlorophenol                           | 93.3   | U         | 93.3   | 160 | 210        | ug/Kg |
| 95-95-4    | 2,4,5-Trichlorophenol                           | 110    | U         | 110    | 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                               | 110    | U         | 110    | 160 | 210        | ug/Kg |
| 208-96-8   | Acenaphthylene                                  | 110    | U         | 110    | 160 | 210        | ug/Kg |
| 606-20-2   | 2,6-Dinitrotoluene                              | 110    | U         | 110    | 160 | 210        | ug/Kg |
| 99-09-2    | 3-Nitroaniline                                  | 110    | U         | 110    | 160 | 210        | ug/Kg |
| 83-32-9    | Acenaphthene                                    | 97.1   | U         | 97.1   | 160 | 210        | ug/Kg |
| Total PAH  | Total PAH                                       | 1732.7 | U         | 1732.7 | 160 | 3360       | ug/Kg |
| 51-28-5    | 2,4-Dinitrophenol                               | 220    | U         | 220    | 330 | 400        | ug/Kg |
| 100-02-7   | 4-Nitrophenol                                   | 140    | U         | 140    | 330 | 400        | ug/Kg |
| 132-64-9   | Dibenzofuran                                    | 93     | U         | 93     | 160 | 210        | ug/Kg |
| 121-14-2   | 2,4-Dinitrotoluene                              | 120    | U         | 120    | 160 | 210        | ug/Kg |
| 25321-14-6 | 2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture) | 230    | U         | 230    | 160 | 420        | ug/Kg |
| 84-66-2    | Diethylphthalate                                | 100    | U         | 100    | 160 | 210        | ug/Kg |
| 7005-72-3  | 4-Chlorophenyl-phenylether                      | 110    | U         | 110    | 160 | 210        | ug/Kg |
| 86-73-7    | Fluorene                                        | 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                      | 110    | U         | 110    | 330 | 400        | ug/Kg |
| 86-30-6    | n-Nitrosodiphenylamine                          | 110    | U         | 110    | 160 | 210        | ug/Kg |
| 103-33-3   | Azobenzene                                      | 88.9   | U         | 88.9   | 160 | 210        | ug/Kg |
| 101-55-3   | 4-Bromophenyl-phenylether                       | 120    | U         | 120    | 160 | 210        | ug/Kg |
| 118-74-1   | Hexachlorobenzene                               | 120    | U         | 120    | 160 | 210        | ug/Kg |
| 1912-24-9  | Atrazine                                        | 120    | U         | 120    | 160 | 210        | ug/Kg |
| 87-86-5    | Pentachlorophenol                               | 130    | U         | 130    | 330 | 400        | ug/Kg |
| 85-01-8    | Phenanthrene                                    | 110    | U         | 110    | 160 | 210        | ug/Kg |
| 120-12-7   | Anthracene                                      | 120    | U         | 120    | 160 | 210        | ug/Kg |
| 86-74-8    | Carbazole                                       | 100    | U         | 100    | 160 | 210        | ug/Kg |
| 84-74-2    | Di-n-butylphthalate                             | 130    | U         | 130    | 160 | 210        | ug/Kg |
| 206-44-0   | Fluoranthene                                    | 110    | U         | 110    | 160 | 210        | ug/Kg |

## Report of Analysis

|                    |              |                 |                      |
|--------------------|--------------|-----------------|----------------------|
| Client:            |              | Date Collected: | 3/5/2024 12:00:00 AM |
| Project:           |              | Date Received:  | 3/5/2024 12:00:00 AM |
| Client Sample ID:  | COMP-4       | SDG No.:        | BF030724             |
| Lab Sample ID:     | P1688-04     | Matrix:         | Solid                |
| Analytical Method: | 8270E        | % Moisture:     | 17.5                 |
| Sample Wt/Vol:     | 30.06        | Units:          | g                    |
| Soil Aliquot Vol:  |              | Final Vol:      | 1000 uL              |
| Extraction Type :  |              | Test:           |                      |
|                    | Decanted :   | Level :         | LOW                  |
| Injection Volume : |              | GPC Cleanup :   | PH :                 |
|                    | GPC Factor : |                 |                      |

|                   |           |                      |                      |               |
|-------------------|-----------|----------------------|----------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date            | Date Analyzed        | Prep Batch ID |
| BF137535.D        | 1         | 3/7/2024 12:00:00 AM | 3/7/2024 12:00:00 AM | PB159489      |

| CAS Number                | Parameter                  | Conc.  | Qualifier | MDL    | LOD | LOQ / CRQL | Units     |
|---------------------------|----------------------------|--------|-----------|--------|-----|------------|-----------|
| 92-87-5                   | Benidine                   | 230    | U         | 230    | 330 | 400        | ug/Kg     |
| 129-00-0                  | Pyrene                     | 100    | U         | 100    | 160 | 210        | ug/Kg     |
| 85-68-7                   | Butylbenzylphthalate       | 120    | U         | 120    | 160 | 210        | ug/Kg     |
| 91-94-1                   | 3,3-Dichlorobenzidine      | 190    | U         | 190    | 330 | 400        | ug/Kg     |
| 56-55-3                   | Benzo(a)anthracene         | 100    | U         | 100    | 160 | 210        | ug/Kg     |
| 218-01-9                  | Chrysene                   | 110    | U         | 110    | 160 | 210        | ug/Kg     |
| 117-81-7                  | Bis(2-ethylhexyl)phthalate | 140    | U         | 140    | 160 | 210        | ug/Kg     |
| 117-84-0                  | Di-n-octyl phthalate       | 150    | U         | 150    | 330 | 400        | ug/Kg     |
| 205-99-2                  | Benzo(b)fluoranthene       | 97.1   | U         | 97.1   | 160 | 210        | ug/Kg     |
| 207-08-9                  | Benzo(k)fluoranthene       | 110    | U         | 110    | 160 | 210        | ug/Kg     |
| 50-32-8                   | Benzo(a)pyrene             | 110    | U         | 110    | 160 | 210        | ug/Kg     |
| 193-39-5                  | Indeno(1,2,3-cd)pyrene     | 130    | U         | 130    | 160 | 210        | ug/Kg     |
| 53-70-3                   | Dibenzo(a,h)anthracene     | 120    | U         | 120    | 160 | 210        | ug/Kg     |
| 191-24-2                  | Benzo(g,h,i)perylene       | 110    | U         | 110    | 160 | 210        | ug/Kg     |
| 95-94-3                   | 1,2,4,5-Tetrachlorobenzene | 110    | U         | 110    | 160 | 210        | ug/Kg     |
| 123-91-1                  | 1,4-Dioxane                | 140    | U         | 140    | 160 | 210        | ug/Kg     |
| 58-90-2                   | 2,3,4,6-Tetrachlorophenol  | 100    | U         | 100    | 160 | 210        | ug/Kg     |
| 90-12-0                   | 1-Methylnaphthalene        | 110    | U         | 110    | 210 | 210        | ug/Kg     |
| <b>SURROGATES</b>         |                            |        |           |        |     |            |           |
| 367-12-4                  | 2-Fluorophenol             | 92.493 |           | 18-112 |     | 62         | SPK: -150 |
| 13127-88-3                | Phenol-d6                  | 88.589 |           | 15-107 |     | 59         | SPK: -150 |
| 4165-60-0                 | Nitrobenzene-d5            | 61.642 |           | 18-107 |     | 62         | SPK: -100 |
| 321-60-8                  | 2-Fluorobiphenyl           | 59.843 |           | 20-109 |     | 60         | SPK: -100 |
| 118-79-6                  | 2,4,6-Tribromophenol       | 84.118 |           | 10-110 |     | 56         | SPK: -150 |
| 1718-51-0                 | Terphenyl-d14              | 50.28  |           | 14-112 |     | 50         | SPK: -100 |
| <b>INTERNAL STANDARDS</b> |                            |        |           |        |     |            |           |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4     | 196741 | 6.875     |        |     |            |           |
| 1146-65-2                 | Naphthalene-d8             | 763117 | 8.145     |        |     |            |           |
| 15067-26-2                | Acenaphthene-d10           | 408649 | 9.904     |        |     |            |           |
| 1517-22-2                 | Phenanthrene-d10           | 647079 | 11.398    |        |     |            |           |
| 1719-03-5                 | Chrysene-d12               | 361512 | 14.063    |        |     |            |           |
| 1520-96-3                 | Perylene-d12               | 439216 | 15.604    |        |     |            |           |



284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

## Report of Analysis

|                    |            |                 |                      |
|--------------------|------------|-----------------|----------------------|
| Client:            |            | Date Collected: | 3/5/2024 12:00:00 AM |
| Project:           |            | Date Received:  | 3/5/2024 12:00:00 AM |
| Client Sample ID:  | COMP-4     | SDG No.:        | BF030724             |
| Lab Sample ID:     | P1688-04   | Matrix:         | Solid                |
| Analytical Method: | 8270E      | % Moisture:     | 17.5                 |
| 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 |
| BF137535.D        | 1         | 3/7/2024 12:00:00 AM | 3/7/2024 12:00:00 AM | PB159489      |

| CAS Number                     | Parameter                          | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|--------------------------------|------------------------------------|-------|-----------|-----|-----|------------|-------|
| TENTATIVE IDENTIFIED COMPOUNDS |                                    |       |           |     |     |            |       |
| 000994-05-8                    | Butane, 2-methoxy-2-methyl-        | 1300  | J         |     |     | 2.193      |       |
| 000057-10-3                    | n-Hexadecanoic acid                | 98.8  | J         |     |     | 11.945     |       |
| 1000351-89-1                   | Octatriacontyl pentafluoropropiona | 240   | J         |     |     | 13.922     |       |
| 000192-97-2                    | Benzo[e]pyrene                     | 81.5  | J         |     |     | 15.145     |       |

## Report of Analysis

|                    |            |                 |                      |
|--------------------|------------|-----------------|----------------------|
| Client:            |            | Date Collected: | 3/5/2024 12:00:00 AM |
| Project:           |            | Date Received:  | 3/5/2024 12:00:00 AM |
| Client Sample ID:  | COMP-5     | SDG No.:        | BF030724             |
| Lab Sample ID:     | P1688-05   | Matrix:         | Solid                |
| Analytical Method: | 8270E      | % Moisture:     | 17.7                 |
| 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 |
| BF137536.D        | 1         | 3/7/2024 12:00:00 AM | 3/7/2024 12:00:00 AM | PB159489      |

| CAS Number     | Parameter                   | Conc. | Qualifier | MDL  | LOD | LOQ / CRQL | Units |
|----------------|-----------------------------|-------|-----------|------|-----|------------|-------|
| <b>TARGETS</b> |                             |       |           |      |     |            |       |
| 62-75-9        | n-Nitrosodimethylamine      | 93.8  | U         | 93.8 | 330 | 400        | ug/Kg |
| 110-86-1       | Pyridine                    | 87.8  | U         | 87.8 | 160 | 210        | ug/Kg |
| 100-52-7       | Benzaldehyde                | 180   | U         | 180  | 330 | 400        | ug/Kg |
| 62-53-3        | Aniline                     | 140   | U         | 140  | 160 | 210        | ug/Kg |
| 108-95-2       | Phenol                      | 90.3  | U         | 90.3 | 160 | 210        | ug/Kg |
| 111-44-4       | bis(2-Chloroethyl)ether     | 110   | U         | 110  | 160 | 210        | ug/Kg |
| 95-57-8        | 2-Chlorophenol              | 87.3  | U         | 87.3 | 160 | 210        | ug/Kg |
| 95-50-1        | 1,2-Dichlorobenzene         | 99.1  | U         | 99.1 | 160 | 210        | ug/Kg |
| 541-73-1       | 1,3-Dichlorobenzene         | 110   | U         | 110  | 160 | 210        | ug/Kg |
| 106-46-7       | 1,4-Dichlorobenzene         | 100   | U         | 100  | 160 | 210        | ug/Kg |
| 100-51-6       | Benzyl Alcohol              | 120   | U         | 120  | 330 | 400        | ug/Kg |
| 95-48-7        | 2-Methylphenol              | 140   | U         | 140  | 160 | 210        | ug/Kg |
| 108-60-1       | 2,2-oxybis(1-Chloropropane) | 130   | U         | 130  | 160 | 210        | ug/Kg |
| 98-86-2        | Acetophenone                | 110   | U         | 110  | 160 | 210        | ug/Kg |
| 65794-96-9     | 3+4-Methylphenols           | 130   | U         | 130  | 330 | 400        | ug/Kg |
| 621-64-7       | n-Nitroso-di-n-propylamine  | 71.6  | U         | 71.6 | 97  | 97         | ug/Kg |
| 67-72-1        | Hexachloroethane            | 89.3  | U         | 89.3 | 160 | 210        | ug/Kg |
| 98-95-3        | Nitrobenzene                | 91.2  | U         | 91.2 | 160 | 210        | ug/Kg |
| 78-59-1        | Isophorone                  | 82.6  | U         | 82.6 | 160 | 210        | ug/Kg |
| 88-75-5        | 2-Nitrophenol               | 120   | U         | 120  | 160 | 210        | ug/Kg |
| 105-67-9       | 2,4-Dimethylphenol          | 120   | U         | 120  | 160 | 210        | ug/Kg |
| 111-91-1       | bis(2-Chloroethoxy)methane  | 140   | U         | 140  | 160 | 210        | ug/Kg |
| 120-83-2       | 2,4-Dichlorophenol          | 94.7  | U         | 94.7 | 160 | 210        | ug/Kg |
| 120-82-1       | 1,2,4-Trichlorobenzene      | 94    | U         | 94   | 160 | 210        | ug/Kg |
| 65-85-0        | Benzoic acid                | 260   | U         | 260  | 330 | 400        | ug/Kg |
| 91-20-3        | Naphthalene                 | 98.7  | U         | 98.7 | 160 | 210        | ug/Kg |
| 106-47-8       | 4-Chloroaniline             | 130   | U         | 130  | 160 | 210        | ug/Kg |
| 87-68-3        | Hexachlorobutadiene         | 100   | U         | 100  | 160 | 210        | ug/Kg |
| 105-60-2       | Caprolactam                 | 140   | U         | 140  | 330 | 400        | ug/Kg |
| 59-50-7        | 4-Chloro-3-methylphenol     | 100   | U         | 100  | 160 | 210        | ug/Kg |
| 91-57-6        | 2-Methylnaphthalene         | 120   | U         | 120  | 160 | 210        | ug/Kg |

## Report of Analysis

|                    |              |                 |                      |
|--------------------|--------------|-----------------|----------------------|
| Client:            |              | Date Collected: | 3/5/2024 12:00:00 AM |
| Project:           |              | Date Received:  | 3/5/2024 12:00:00 AM |
| Client Sample ID:  | COMP-5       | SDG No.:        | BF030724             |
| Lab Sample ID:     | P1688-05     | Matrix:         | Solid                |
| Analytical Method: | 8270E        | % Moisture:     | 17.7                 |
| Sample Wt/Vol:     | 30.05        | Units:          | g                    |
| Soil Aliquot Vol:  |              | Final Vol:      | 1000 uL              |
| Extraction Type :  |              | Test:           |                      |
|                    | Decanted :   | Level :         | LOW                  |
| Injection Volume : |              | GPC Cleanup :   | PH :                 |
|                    | GPC Factor : |                 |                      |

|                   |           |                      |                      |               |
|-------------------|-----------|----------------------|----------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date            | Date Analyzed        | Prep Batch ID |
| BF137536.D        | 1         | 3/7/2024 12:00:00 AM | 3/7/2024 12:00:00 AM | PB159489      |

| CAS Number | Parameter                                       | Conc.  | Qualifier | MDL    | LOD | LOQ / CRQL | Units |
|------------|-------------------------------------------------|--------|-----------|--------|-----|------------|-------|
| 77-47-4    | Hexachlorocyclopentadiene                       | 250    | U         | 250    | 330 | 400        | ug/Kg |
| 88-06-2    | 2,4,6-Trichlorophenol                           | 93.5   | U         | 93.5   | 160 | 210        | ug/Kg |
| 95-95-4    | 2,4,5-Trichlorophenol                           | 110    | U         | 110    | 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                               | 110    | U         | 110    | 160 | 210        | ug/Kg |
| 208-96-8   | Acenaphthylene                                  | 110    | U         | 110    | 160 | 210        | ug/Kg |
| 606-20-2   | 2,6-Dinitrotoluene                              | 110    | U         | 110    | 160 | 210        | ug/Kg |
| 99-09-2    | 3-Nitroaniline                                  | 110    | U         | 110    | 160 | 210        | ug/Kg |
| 83-32-9    | Acenaphthene                                    | 97.4   | U         | 97.4   | 160 | 210        | ug/Kg |
| Total PAH  | Total PAH                                       | 1733.5 | U         | 1733.5 | 160 | 3360       | ug/Kg |
| 51-28-5    | 2,4-Dinitrophenol                               | 220    | U         | 220    | 330 | 400        | ug/Kg |
| 100-02-7   | 4-Nitrophenol                                   | 140    | U         | 140    | 330 | 400        | ug/Kg |
| 132-64-9   | Dibenzofuran                                    | 93.3   | U         | 93.3   | 160 | 210        | ug/Kg |
| 25321-14-6 | 2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture) | 230    | U         | 230    | 160 | 420        | ug/Kg |
| 121-14-2   | 2,4-Dinitrotoluene                              | 120    | U         | 120    | 160 | 210        | ug/Kg |
| 84-66-2    | Diethylphthalate                                | 100    | U         | 100    | 160 | 210        | ug/Kg |
| 7005-72-3  | 4-Chlorophenyl-phenylether                      | 110    | U         | 110    | 160 | 210        | ug/Kg |
| 86-73-7    | Fluorene                                        | 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                      | 110    | U         | 110    | 330 | 400        | ug/Kg |
| 86-30-6    | n-Nitrosodiphenylamine                          | 110    | U         | 110    | 160 | 210        | ug/Kg |
| 103-33-3   | Azobenzene                                      | 89.2   | U         | 89.2   | 160 | 210        | ug/Kg |
| 101-55-3   | 4-Bromophenyl-phenylether                       | 120    | U         | 120    | 160 | 210        | ug/Kg |
| 118-74-1   | Hexachlorobenzene                               | 120    | U         | 120    | 160 | 210        | ug/Kg |
| 1912-24-9  | Atrazine                                        | 120    | U         | 120    | 160 | 210        | ug/Kg |
| 87-86-5    | Pentachlorophenol                               | 130    | U         | 130    | 330 | 400        | ug/Kg |
| 85-01-8    | Phenanthrene                                    | 230    |           | 110    | 160 | 210        | ug/Kg |
| 120-12-7   | Anthracene                                      | 120    | U         | 120    | 160 | 210        | ug/Kg |
| 86-74-8    | Carbazole                                       | 100    | U         | 100    | 160 | 210        | ug/Kg |
| 84-74-2    | Di-n-butylphthalate                             | 130    | U         | 130    | 160 | 210        | ug/Kg |
| 206-44-0   | Fluoranthene                                    | 300    |           | 110    | 160 | 210        | ug/Kg |

## Report of Analysis

|                    |            |                 |                      |
|--------------------|------------|-----------------|----------------------|
| Client:            |            | Date Collected: | 3/5/2024 12:00:00 AM |
| Project:           |            | Date Received:  | 3/5/2024 12:00:00 AM |
| Client Sample ID:  | COMP-5     | SDG No.:        | BF030724             |
| Lab Sample ID:     | P1688-05   | Matrix:         | Solid                |
| Analytical Method: | 8270E      | % Moisture:     | 17.7                 |
| 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 |
| BF137536.D        | 1         | 3/7/2024 12:00:00 AM | 3/7/2024 12:00:00 AM | PB159489      |

| CAS Number                | Parameter                  | Conc.  | Qualifier | MDL    | LOD | LOQ / CRQL | Units     |
|---------------------------|----------------------------|--------|-----------|--------|-----|------------|-----------|
| 92-87-5                   | Benidine                   | 230    | U         | 230    | 330 | 400        | ug/Kg     |
| 129-00-0                  | Pyrene                     | 240    |           | 100    | 160 | 210        | ug/Kg     |
| 85-68-7                   | Butylbenzylphthalate       | 120    | U         | 120    | 160 | 210        | ug/Kg     |
| 91-94-1                   | 3,3-Dichlorobenzidine      | 200    | U         | 200    | 330 | 400        | ug/Kg     |
| 56-55-3                   | Benzo(a)anthracene         | 180    | J         | 100    | 160 | 210        | ug/Kg     |
| 218-01-9                  | Chrysene                   | 170    | J         | 110    | 160 | 210        | ug/Kg     |
| 117-81-7                  | Bis(2-ethylhexyl)phthalate | 140    | U         | 140    | 160 | 210        | ug/Kg     |
| 117-84-0                  | Di-n-octyl phthalate       | 150    | U         | 150    | 330 | 400        | ug/Kg     |
| 205-99-2                  | Benzo(b)fluoranthene       | 200    | J         | 97.4   | 160 | 210        | ug/Kg     |
| 207-08-9                  | Benzo(k)fluoranthene       | 110    | U         | 110    | 160 | 210        | ug/Kg     |
| 50-32-8                   | Benzo(a)pyrene             | 150    | J         | 110    | 160 | 210        | ug/Kg     |
| 193-39-5                  | Indeno(1,2,3-cd)pyrene     | 130    | U         | 130    | 160 | 210        | ug/Kg     |
| 53-70-3                   | Dibenzo(a,h)anthracene     | 120    | U         | 120    | 160 | 210        | ug/Kg     |
| 191-24-2                  | Benzo(g,h,i)perylene       | 110    | U         | 110    | 160 | 210        | ug/Kg     |
| 95-94-3                   | 1,2,4,5-Tetrachlorobenzene | 110    | U         | 110    | 160 | 210        | ug/Kg     |
| 123-91-1                  | 1,4-Dioxane                | 140    | U         | 140    | 160 | 210        | ug/Kg     |
| 58-90-2                   | 2,3,4,6-Tetrachlorophenol  | 100    | U         | 100    | 160 | 210        | ug/Kg     |
| 90-12-0                   | 1-Methylnaphthalene        | 110    | U         | 110    | 210 | 210        | ug/Kg     |
| <b>SURROGATES</b>         |                            |        |           |        |     |            |           |
| 367-12-4                  | 2-Fluorophenol             | 83.692 |           | 18-112 |     | 56         | SPK: -150 |
| 13127-88-3                | Phenol-d6                  | 77.913 |           | 15-107 |     | 52         | SPK: -150 |
| 4165-60-0                 | Nitrobenzene-d5            | 52.324 |           | 18-107 |     | 52         | SPK: -100 |
| 321-60-8                  | 2-Fluorobiphenyl           | 50.94  |           | 20-109 |     | 51         | SPK: -100 |
| 118-79-6                  | 2,4,6-Tribromophenol       | 73.157 |           | 10-110 |     | 49         | SPK: -150 |
| 1718-51-0                 | Terphenyl-d14              | 43.451 |           | 14-112 |     | 43         | SPK: -100 |
| <b>INTERNAL STANDARDS</b> |                            |        |           |        |     |            |           |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4     | 204830 | 6.875     |        |     |            |           |
| 1146-65-2                 | Naphthalene-d8             | 805932 | 8.151     |        |     |            |           |
| 15067-26-2                | Acenaphthene-d10           | 430659 | 9.904     |        |     |            |           |
| 1517-22-2                 | Phenanthrene-d10           | 677472 | 11.398    |        |     |            |           |
| 1719-03-5                 | Chrysene-d12               | 381475 | 14.063    |        |     |            |           |
| 1520-96-3                 | Perylene-d12               | 459437 | 15.604    |        |     |            |           |



284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

## Report of Analysis

|                    |          |                 |                      |
|--------------------|----------|-----------------|----------------------|
| Client:            |          | Date Collected: | 3/5/2024 12:00:00 AM |
| Project:           |          | Date Received:  | 3/5/2024 12:00:00 AM |
| Client Sample ID:  | COMP-5   | SDG No.:        | BF030724             |
| Lab Sample ID:     | P1688-05 | Matrix:         | Solid                |
| Analytical Method: | 8270E    | % Moisture:     | 17.7                 |
| 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 |
| BF137536.D        | 1         | 3/7/2024 12:00:00 AM | 3/7/2024 12:00:00 AM | PB159489      |

| CAS Number                     | Parameter                          | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|--------------------------------|------------------------------------|-------|-----------|-----|-----|------------|-------|
| TENTATIVE IDENTIFIED COMPOUNDS |                                    |       |           |     |     |            |       |
| 000994-05-8                    | Butane, 2-methoxy-2-methyl-        | 1100  | J         |     |     | 2.193      |       |
| 000057-10-3                    | n-Hexadecanoic acid                | 86.1  | J         |     |     | 11.945     |       |
| 1000383-11-5                   | Carbonic acid, octadecyl prop-1-en | 190   | J         |     |     | 13.921     |       |
| 000192-97-2                    | Benzo[e]pyrene                     | 130   | J         |     |     | 15.468     |       |
| 000191-26-4                    | Dibenzo[def,mno]chrysene           | 91.4  | J         |     |     | 17.203     |       |

## Report of Analysis

|                    |              |                 |                      |
|--------------------|--------------|-----------------|----------------------|
| Client:            |              | Date Collected: | 3/5/2024 12:00:00 AM |
| Project:           |              | Date Received:  | 3/5/2024 12:00:00 AM |
| Client Sample ID:  | COMP-1       | SDG No.:        | BF030724             |
| Lab Sample ID:     | P1688-01     | Matrix:         | Solid                |
| Analytical Method: | 8270E        | % Moisture:     | 23.7                 |
| Sample Wt/Vol:     | 30.04        | Units:          | g                    |
| Soil Aliquot Vol:  |              | Final Vol:      | 1000 uL              |
| Extraction Type :  |              | Test:           |                      |
|                    | Decanted :   | Level :         | LOW                  |
| Injection Volume : |              | GPC Cleanup :   | PH :                 |
|                    | GPC Factor : |                 |                      |

|                   |           |                      |                      |               |
|-------------------|-----------|----------------------|----------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date            | Date Analyzed        | Prep Batch ID |
| BF137537.D        | 1         | 3/7/2024 12:00:00 AM | 3/7/2024 12:00:00 AM | PB159489      |

| CAS Number     | Parameter                   | Conc. | Qualifier | MDL  | LOD | LOQ / CRQL | Units |
|----------------|-----------------------------|-------|-----------|------|-----|------------|-------|
| <b>TARGETS</b> |                             |       |           |      |     |            |       |
| 62-75-9        | n-Nitrosodimethylamine      | 100   | U         | 100  | 350 | 430        | ug/Kg |
| 110-86-1       | Pyridine                    | 94.8  | U         | 94.8 | 170 | 220        | ug/Kg |
| 100-52-7       | Benzaldehyde                | 190   | U         | 190  | 350 | 430        | ug/Kg |
| 62-53-3        | Aniline                     | 150   | U         | 150  | 170 | 220        | ug/Kg |
| 108-95-2       | Phenol                      | 97.4  | U         | 97.4 | 170 | 220        | ug/Kg |
| 111-44-4       | bis(2-Chloroethyl)ether     | 120   | U         | 120  | 170 | 220        | ug/Kg |
| 95-57-8        | 2-Chlorophenol              | 94.2  | U         | 94.2 | 170 | 220        | ug/Kg |
| 95-50-1        | 1,2-Dichlorobenzene         | 110   | U         | 110  | 170 | 220        | ug/Kg |
| 541-73-1       | 1,3-Dichlorobenzene         | 120   | U         | 120  | 170 | 220        | ug/Kg |
| 106-46-7       | 1,4-Dichlorobenzene         | 110   | U         | 110  | 170 | 220        | ug/Kg |
| 100-51-6       | Benzyl Alcohol              | 130   | U         | 130  | 350 | 430        | ug/Kg |
| 95-48-7        | 2-Methylphenol              | 150   | U         | 150  | 170 | 220        | ug/Kg |
| 108-60-1       | 2,2-oxybis(1-Chloropropane) | 140   | U         | 140  | 170 | 220        | ug/Kg |
| 98-86-2        | Acetophenone                | 110   | U         | 110  | 170 | 220        | ug/Kg |
| 65794-96-9     | 3+4-Methylphenols           | 140   | U         | 140  | 350 | 430        | ug/Kg |
| 621-64-7       | n-Nitroso-di-n-propylamine  | 77.2  | U         | 77.2 | 100 | 100        | ug/Kg |
| 67-72-1        | Hexachloroethane            | 96.3  | U         | 96.3 | 170 | 220        | ug/Kg |
| 98-95-3        | Nitrobenzene                | 98.4  | U         | 98.4 | 170 | 220        | ug/Kg |
| 78-59-1        | Isophorone                  | 89.1  | U         | 89.1 | 170 | 220        | ug/Kg |
| 88-75-5        | 2-Nitrophenol               | 120   | U         | 120  | 170 | 220        | ug/Kg |
| 105-67-9       | 2,4-Dimethylphenol          | 130   | U         | 130  | 170 | 220        | ug/Kg |
| 111-91-1       | bis(2-Chloroethoxy)methane  | 150   | U         | 150  | 170 | 220        | ug/Kg |
| 120-83-2       | 2,4-Dichlorophenol          | 100   | U         | 100  | 170 | 220        | ug/Kg |
| 120-82-1       | 1,2,4-Trichlorobenzene      | 100   | U         | 100  | 170 | 220        | ug/Kg |
| 65-85-0        | Benzoic acid                | 280   | U         | 280  | 350 | 430        | ug/Kg |
| 91-20-3        | Naphthalene                 | 110   | U         | 110  | 170 | 220        | ug/Kg |
| 106-47-8       | 4-Chloroaniline             | 140   | U         | 140  | 170 | 220        | ug/Kg |
| 87-68-3        | Hexachlorobutadiene         | 110   | U         | 110  | 170 | 220        | ug/Kg |
| 105-60-2       | Caprolactam                 | 150   | U         | 150  | 350 | 430        | ug/Kg |
| 59-50-7        | 4-Chloro-3-methylphenol     | 110   | U         | 110  | 170 | 220        | ug/Kg |
| 91-57-6        | 2-Methylnaphthalene         | 120   | U         | 120  | 170 | 220        | ug/Kg |

## Report of Analysis

|                    |              |                 |                      |
|--------------------|--------------|-----------------|----------------------|
| Client:            |              | Date Collected: | 3/5/2024 12:00:00 AM |
| Project:           |              | Date Received:  | 3/5/2024 12:00:00 AM |
| Client Sample ID:  | COMP-1       | SDG No.:        | BF030724             |
| Lab Sample ID:     | P1688-01     | Matrix:         | Solid                |
| Analytical Method: | 8270E        | % Moisture:     | 23.7                 |
| Sample Wt/Vol:     | 30.04        | Units:          | g                    |
| Soil Aliquot Vol:  |              | Final Vol:      | 1000 uL              |
| Extraction Type :  |              | Test:           |                      |
|                    | Decanted :   | Level :         | LOW                  |
| Injection Volume : |              | GPC Cleanup :   | PH :                 |
|                    | GPC Factor : |                 |                      |

|                   |           |                      |                      |               |
|-------------------|-----------|----------------------|----------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date            | Date Analyzed        | Prep Batch ID |
| BF137537.D        | 1         | 3/7/2024 12:00:00 AM | 3/7/2024 12:00:00 AM | PB159489      |

| CAS Number | Parameter                                       | Conc. | Qualifier | MDL  | LOD | LOQ / CRQL | Units |
|------------|-------------------------------------------------|-------|-----------|------|-----|------------|-------|
| 77-47-4    | Hexachlorocyclopentadiene                       | 270   | U         | 270  | 350 | 430        | ug/Kg |
| 88-06-2    | 2,4,6-Trichlorophenol                           | 100   | U         | 100  | 170 | 220        | ug/Kg |
| 95-95-4    | 2,4,5-Trichlorophenol                           | 120   | U         | 120  | 170 | 220        | ug/Kg |
| 92-52-4    | 1,1-Biphenyl                                    | 120   | U         | 120  | 170 | 220        | ug/Kg |
| 91-58-7    | 2-Chloronaphthalene                             | 110   | U         | 110  | 170 | 220        | ug/Kg |
| 88-74-4    | 2-Nitroaniline                                  | 130   | U         | 130  | 170 | 220        | ug/Kg |
| 131-11-3   | Dimethylphthalate                               | 120   | U         | 120  | 170 | 220        | ug/Kg |
| 208-96-8   | Acenaphthylene                                  | 120   | U         | 120  | 170 | 220        | ug/Kg |
| 606-20-2   | 2,6-Dinitrotoluene                              | 120   | U         | 120  | 170 | 220        | ug/Kg |
| 99-09-2    | 3-Nitroaniline                                  | 120   | U         | 120  | 170 | 220        | ug/Kg |
| 83-32-9    | Acenaphthene                                    | 250   |           | 110  | 170 | 220        | ug/Kg |
| Total PAH  | Total PAH                                       | 26850 |           | 1890 | 170 | 3520       | ug/Kg |
| 51-28-5    | 2,4-Dinitrophenol                               | 240   | U         | 240  | 350 | 430        | ug/Kg |
| 100-02-7   | 4-Nitrophenol                                   | 150   | U         | 150  | 350 | 430        | ug/Kg |
| 132-64-9   | Dibenzofuran                                    | 180   | J         | 100  | 170 | 220        | ug/Kg |
| 25321-14-6 | 2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture) | 250   | U         | 250  | 170 | 440        | ug/Kg |
| 121-14-2   | 2,4-Dinitrotoluene                              | 130   | U         | 130  | 170 | 220        | ug/Kg |
| 84-66-2    | Diethylphthalate                                | 110   | U         | 110  | 170 | 220        | ug/Kg |
| 7005-72-3  | 4-Chlorophenyl-phenylether                      | 120   | U         | 120  | 170 | 220        | ug/Kg |
| 86-73-7    | Fluorene                                        | 200   | J         | 110  | 170 | 220        | ug/Kg |
| 100-01-6   | 4-Nitroaniline                                  | 140   | U         | 140  | 170 | 220        | ug/Kg |
| 534-52-1   | 4,6-Dinitro-2-methylphenol                      | 110   | U         | 110  | 350 | 430        | ug/Kg |
| 86-30-6    | n-Nitrosodiphenylamine                          | 120   | U         | 120  | 170 | 220        | ug/Kg |
| 103-33-3   | Azobenzene                                      | 96.2  | U         | 96.2 | 170 | 220        | ug/Kg |
| 101-55-3   | 4-Bromophenyl-phenylether                       | 130   | U         | 130  | 170 | 220        | ug/Kg |
| 118-74-1   | Hexachlorobenzene                               | 130   | U         | 130  | 170 | 220        | ug/Kg |
| 1912-24-9  | Atrazine                                        | 120   | U         | 120  | 170 | 220        | ug/Kg |
| 87-86-5    | Pentachlorophenol                               | 150   | U         | 150  | 350 | 430        | ug/Kg |
| 85-01-8    | Phenanthrene                                    | 3700  | E         | 120  | 170 | 220        | ug/Kg |
| 120-12-7   | Anthracene                                      | 980   |           | 130  | 170 | 220        | ug/Kg |
| 86-74-8    | Carbazole                                       | 110   | U         | 110  | 170 | 220        | ug/Kg |
| 84-74-2    | Di-n-butylphthalate                             | 140   | U         | 140  | 170 | 220        | ug/Kg |
| 206-44-0   | Fluoranthene                                    | 4100  | E         | 120  | 170 | 220        | ug/Kg |

## Report of Analysis

|                    |              |                 |                      |
|--------------------|--------------|-----------------|----------------------|
| Client:            |              | Date Collected: | 3/5/2024 12:00:00 AM |
| Project:           |              | Date Received:  | 3/5/2024 12:00:00 AM |
| Client Sample ID:  | COMP-1       | SDG No.:        | BF030724             |
| Lab Sample ID:     | P1688-01     | Matrix:         | Solid                |
| Analytical Method: | 8270E        | % Moisture:     | 23.7                 |
| Sample Wt/Vol:     | 30.04        | Units:          | g                    |
| Soil Aliquot Vol:  |              | Final Vol:      | 1000 uL              |
| Extraction Type :  |              | Test:           |                      |
|                    | Decanted :   | Level :         | LOW                  |
| Injection Volume : |              | GPC Cleanup :   | PH :                 |
|                    | GPC Factor : |                 |                      |

|                   |           |                      |                      |               |
|-------------------|-----------|----------------------|----------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date            | Date Analyzed        | Prep Batch ID |
| BF137537.D        | 1         | 3/7/2024 12:00:00 AM | 3/7/2024 12:00:00 AM | PB159489      |

| CAS Number                | Parameter                  | Conc.  | Qualifier | MDL    | LOD | LOQ / CRQL | Units     |
|---------------------------|----------------------------|--------|-----------|--------|-----|------------|-----------|
| 92-87-5                   | Benidine                   | 250    | U         | 250    | 350 | 430        | ug/Kg     |
| 129-00-0                  | Pyrene                     | 3200   |           | 110    | 170 | 220        | ug/Kg     |
| 85-68-7                   | Butylbenzylphthalate       | 130    | U         | 130    | 170 | 220        | ug/Kg     |
| 91-94-1                   | 3,3-Dichlorobenzidine      | 210    | U         | 210    | 350 | 430        | ug/Kg     |
| 56-55-3                   | Benzo(a)anthracene         | 2800   |           | 110    | 170 | 220        | ug/Kg     |
| 218-01-9                  | Chrysene                   | 2600   |           | 110    | 170 | 220        | ug/Kg     |
| 117-81-7                  | Bis(2-ethylhexyl)phthalate | 150    | U         | 150    | 170 | 220        | ug/Kg     |
| 117-84-0                  | Di-n-octyl phthalate       | 160    | U         | 160    | 350 | 430        | ug/Kg     |
| 205-99-2                  | Benzo(b)fluoranthene       | 3300   |           | 110    | 170 | 220        | ug/Kg     |
| 207-08-9                  | Benzo(k)fluoranthene       | 1000   |           | 120    | 170 | 220        | ug/Kg     |
| 50-32-8                   | Benzo(a)pyrene             | 2500   |           | 120    | 170 | 220        | ug/Kg     |
| 193-39-5                  | Indeno(1,2,3-cd)pyrene     | 930    |           | 140    | 170 | 220        | ug/Kg     |
| 53-70-3                   | Dibenzo(a,h)anthracene     | 290    |           | 130    | 170 | 220        | ug/Kg     |
| 191-24-2                  | Benzo(g,h,i)perylene       | 1000   |           | 120    | 170 | 220        | ug/Kg     |
| 95-94-3                   | 1,2,4,5-Tetrachlorobenzene | 120    | U         | 120    | 170 | 220        | ug/Kg     |
| 123-91-1                  | 1,4-Dioxane                | 150    | U         | 150    | 170 | 220        | ug/Kg     |
| 58-90-2                   | 2,3,4,6-Tetrachlorophenol  | 110    | U         | 110    | 170 | 220        | ug/Kg     |
| 90-12-0                   | 1-Methylnaphthalene        | 120    | U         | 120    | 220 | 220        | ug/Kg     |
| <b>SURROGATES</b>         |                            |        |           |        |     |            |           |
| 367-12-4                  | 2-Fluorophenol             | 91.34  |           | 18-112 |     | 61         | SPK: -150 |
| 13127-88-3                | Phenol-d6                  | 85.786 |           | 15-107 |     | 57         | SPK: -150 |
| 4165-60-0                 | Nitrobenzene-d5            | 58.637 |           | 18-107 |     | 59         | SPK: -100 |
| 321-60-8                  | 2-Fluorobiphenyl           | 60.527 |           | 20-109 |     | 61         | SPK: -100 |
| 118-79-6                  | 2,4,6-Tribromophenol       | 77.714 |           | 10-110 |     | 52         | SPK: -150 |
| 1718-51-0                 | Terphenyl-d14              | 42.098 |           | 14-112 |     | 42         | SPK: -100 |
| <b>INTERNAL STANDARDS</b> |                            |        |           |        |     |            |           |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4     | 193444 | 6.881     |        |     |            |           |
| 1146-65-2                 | Naphthalene-d8             | 744647 | 8.151     |        |     |            |           |
| 15067-26-2                | Acenaphthene-d10           | 386533 | 9.904     |        |     |            |           |
| 1517-22-2                 | Phenanthrene-d10           | 554981 | 11.404    |        |     |            |           |
| 1719-03-5                 | Chrysene-d12               | 357937 | 14.074    |        |     |            |           |
| 1520-96-3                 | Perylene-d12               | 430257 | 15.615    |        |     |            |           |

## Report of Analysis

|                    |            |                 |                      |
|--------------------|------------|-----------------|----------------------|
| Client:            |            | Date Collected: | 3/5/2024 12:00:00 AM |
| Project:           |            | Date Received:  | 3/5/2024 12:00:00 AM |
| Client Sample ID:  | COMP-1     | SDG No.:        | BF030724             |
| Lab Sample ID:     | P1688-01   | Matrix:         | Solid                |
| Analytical Method: | 8270E      | % Moisture:     | 23.7                 |
| 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 |
| BF137537.D        | 1         | 3/7/2024 12:00:00 AM | 3/7/2024 12:00:00 AM | PB159489      |

| CAS Number                            | Parameter                        | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---------------------------------------|----------------------------------|-------|-----------|-----|-----|------------|-------|
| <b>TENTATIVE IDENTIFIED COMPOUNDS</b> |                                  |       |           |     |     |            |       |
| 000994-05-8                           | Butane, 2-methoxy-2-methyl-      | 1300  | J         |     |     | 2.199      |       |
| 042224-48-6                           | 2-[2-Phenylethenyl]phenol        | 190   | J         |     |     | 11.139     |       |
| 036393-42-7                           | 4-(4-Methylphenyl)benzaldehyde   | 240   | J         |     |     | 11.251     |       |
| 000132-65-0                           | Dibenzothiophene                 | 300   | J         |     |     | 11.298     |       |
| 000613-12-7                           | Anthracene, 2-methyl-            | 500   | J         |     |     | 11.91      |       |
| 002531-84-2                           | Phenanthrene, 2-methyl-          | 690   | J         |     |     | 11.939     |       |
| 000610-48-0                           | Anthracene, 1-methyl-            | 270   | J         |     |     | 11.986     |       |
| 000203-64-5                           | 4H-Cyclopenta[def]phenanthrene   | 680   | J         |     |     | 12.021     |       |
| 004980-70-5                           | Propyne, 1,3-diphenyl-           | 300   | J         |     |     | 12.045     |       |
| 000612-94-2                           | Naphthalene, 2-phenyl-           | 330   | J         |     |     | 12.21      |       |
| 003674-66-6                           | Phenanthrene, 2,5-dimethyl-      | 250   | J         |     |     | 12.463     |       |
| 005737-13-3                           | Cyclopenta(def)phenanthrenone    | 250   | J         |     |     | 12.551     |       |
|                                       | unknown14.868                    | 210   | J         |     |     | 14.868     |       |
| 007476-08-6                           | Benz(a)anthracene-7-carbonitrile | 290   | J         |     |     | 14.98      |       |
| 000192-97-2                           | Benzo[e]pyrene                   | 560   | J         |     |     | 15.262     |       |
| 000198-55-0                           | Perylene                         | 2000  | J         |     |     | 15.48      |       |
| 004488-22-6                           | (1,1-Binaphthalene)-2,2-diamine  | 250   | J         |     |     | 16.856     |       |
| 000193-43-1                           | Indeno[1,2,3-cd]fluoranthene     | 370   | J         |     |     | 17.033     |       |
| 000226-88-0                           | Benzo[a]naphthacene              | 340   | J         |     |     | 17.415     |       |
| 000191-26-4                           | Dibenzo[def,mno]chrysene         | 300   | J         |     |     | 17.956     |       |

# Hit Summary Sheet SW-846

SDG No.: BF030724

Client:

| Sample ID            | Client ID | Matrix | Parameter                        | Concentration | C          | MDL   | RDL  | Units |
|----------------------|-----------|--------|----------------------------------|---------------|------------|-------|------|-------|
| Client ID :          | COMP-1    |        |                                  |               |            |       |      |       |
| P1688-01             | COMP-1    | Solid  | (1,1-Binaphthalene)-2,2-diamine  | *             | 250.000    | J     |      |       |
| P1688-01             | COMP-1    | Solid  | 2-[2-Phenylethenyl]phenol        | *             | 190.000    | J     |      |       |
| P1688-01             | COMP-1    | Solid  | 4-(4-Methylphenyl)benzaldehyde   | *             | 240.000    | J     |      |       |
| P1688-01             | COMP-1    | Solid  | 4H-Cyclopenta[def]phenanthrene   | *             | 680.000    | J     |      |       |
| P1688-01             | COMP-1    | Solid  | Anthracene, 1-methyl-            | *             | 270.000    | J     |      |       |
| P1688-01             | COMP-1    | Solid  | Anthracene, 2-methyl-            | *             | 500.000    | J     |      |       |
| P1688-01             | COMP-1    | Solid  | Benz(a)anthracene-7-carbonitrile | *             | 290.000    | J     |      |       |
| P1688-01             | COMP-1    | Solid  | Benzo[a]naphthacene              | *             | 340.000    | J     |      |       |
| P1688-01             | COMP-1    | Solid  | Benzo[e]pyrene                   | *             | 560.000    | J     |      |       |
| P1688-01             | COMP-1    | Solid  | Butane, 2-methoxy-2-methyl-      | *             | 1,300.000  | J     |      |       |
| P1688-01             | COMP-1    | Solid  | Cyclopenta(def)phenanthrenone    | *             | 250.000    | J     |      |       |
| P1688-01             | COMP-1    | Solid  | Dibenzo[def,mno]chrysene         | *             | 300.000    | J     |      |       |
| P1688-01             | COMP-1    | Solid  | Dibenzothiophene                 | *             | 300.000    | J     |      |       |
| P1688-01             | COMP-1    | Solid  | Indeno[1,2,3-cd]fluoranthene     | *             | 370.000    | J     |      |       |
| P1688-01             | COMP-1    | Solid  | Naphthalene, 2-phenyl-           | *             | 330.000    | J     |      |       |
| P1688-01             | COMP-1    | Solid  | Perylene                         | *             | 2,000.000  | J     |      |       |
| P1688-01             | COMP-1    | Solid  | Phenanthrene, 2,5-dimethyl-      | *             | 250.000    | J     |      |       |
| P1688-01             | COMP-1    | Solid  | Phenanthrene, 2-methyl-          | *             | 690.000    | J     |      |       |
| P1688-01             | COMP-1    | Solid  | Propyne, 1,3-diphenyl-           | *             | 300.000    | J     |      |       |
| P1688-01             | COMP-1    | Solid  | unknown14.868                    | *             | 210.000    | J     |      |       |
| Total Tics :         |           |        |                                  |               | 9,620.00   |       |      |       |
| P1688-01             | COMP-1    | Solid  | Acenaphthene                     |               | 250.000    | 110   | 220  | ug/Kg |
| P1688-01             | COMP-1    | Solid  | Anthracene                       |               | 980.000    | 130   | 220  | ug/Kg |
| P1688-01             | COMP-1    | Solid  | Benzo(a)anthracene               |               | 2,800.000  | 110   | 220  | ug/Kg |
| P1688-01             | COMP-1    | Solid  | Benzo(a)pyrene                   |               | 2,500.000  | 120   | 220  | ug/Kg |
| P1688-01             | COMP-1    | Solid  | Benzo(b)fluoranthene             |               | 3,300.000  | 110   | 220  | ug/Kg |
| P1688-01             | COMP-1    | Solid  | Benzo(g,h,i)perylene             |               | 1,000.000  | 120   | 220  | ug/Kg |
| P1688-01             | COMP-1    | Solid  | Benzo(k)fluoranthene             |               | 1,000.000  | 120   | 220  | ug/Kg |
| P1688-01             | COMP-1    | Solid  | Chrysene                         |               | 2,600.000  | 110   | 220  | ug/Kg |
| P1688-01             | COMP-1    | Solid  | Dibenzo(a,h)anthracene           |               | 290.000    | 130   | 220  | ug/Kg |
| P1688-01             | COMP-1    | Solid  | Dibenzofuran                     |               | 180.000    | J 100 | 220  | ug/Kg |
| P1688-01             | COMP-1    | Solid  | Fluoranthene                     |               | 4,100.000  | E 120 | 220  | ug/Kg |
| P1688-01             | COMP-1    | Solid  | Fluorene                         |               | 200.000    | J 110 | 220  | ug/Kg |
| P1688-01             | COMP-1    | Solid  | Indeno(1,2,3-cd)pyrene           |               | 930.000    | 140   | 220  | ug/Kg |
| P1688-01             | COMP-1    | Solid  | Phenanthrene                     |               | 3,700.000  | E 120 | 220  | ug/Kg |
| P1688-01             | COMP-1    | Solid  | Pyrene                           |               | 3,200.000  | 110   | 220  | ug/Kg |
| P1688-01             | COMP-1    | Solid  | Total PAH                        |               | 26,850.000 | 1890  | 3520 | ug/Kg |
| Total Svoc :         |           |        |                                  |               | 53,880.00  |       |      |       |
| Total Concentration: |           |        |                                  |               | 63,500.00  |       |      |       |

## Hit Summary Sheet SW-846

SDG No.: BF030724

Client:

| Sample ID            | Client ID | Matrix | Parameter                          | Concentration | C         | MDL | RDL  | Units     |
|----------------------|-----------|--------|------------------------------------|---------------|-----------|-----|------|-----------|
| Client ID : COMP-2   |           |        |                                    |               |           |     |      |           |
| P1688-02             | COMP-2    | Solid  | Butane, 2-methoxy-2-methyl-        | *             | 960.000   | J   |      |           |
| P1688-02             | COMP-2    | Solid  | Carbonic acid, eicosyl vinyl ester | *             | 200.000   | J   |      |           |
| P1688-02             | COMP-2    | Solid  | Eicosane                           | *             | 110.000   | J   |      |           |
| P1688-02             | COMP-2    | Solid  | Hexacosane                         | *             | 90.200    | J   |      |           |
| P1688-02             | COMP-2    | Solid  | n-Hexadecanoic acid                | *             | 290.000   | J   |      |           |
| P1688-02             | COMP-2    | Solid  | Octadecanoic acid                  | *             | 93.200    | J   |      |           |
| Total Tics :         |           |        |                                    |               | 1,743.40  |     |      |           |
| Total Concentration: |           |        |                                    |               | 1,743.40  |     |      |           |
| Client ID : COMP-3   |           |        |                                    |               |           |     |      |           |
| P1688-03             | COMP-3    | Solid  | Butane, 2-methoxy-2-methyl-        | *             | 900.000   | J   |      |           |
| P1688-03             | COMP-3    | Solid  | Dotriacontyl pentafluoropropionat  | *             | 130.000   | J   |      |           |
| Total Tics :         |           |        |                                    |               | 1,030.00  |     |      |           |
| Total Concentration: |           |        |                                    |               | 1,030.00  |     |      |           |
| Client ID : COMP-4   |           |        |                                    |               |           |     |      |           |
| P1688-04             | COMP-4    | Solid  | Benzo[e]pyrene                     | *             | 81.500    | J   |      |           |
| P1688-04             | COMP-4    | Solid  | Butane, 2-methoxy-2-methyl-        | *             | 1,300.000 | J   |      |           |
| P1688-04             | COMP-4    | Solid  | n-Hexadecanoic acid                | *             | 98.800    | J   |      |           |
| P1688-04             | COMP-4    | Solid  | Octatriacontyl pentafluoropropion  | *             | 240.000   | J   |      |           |
| Total Tics :         |           |        |                                    |               | 1,720.30  |     |      |           |
| Total Concentration: |           |        |                                    |               | 1,720.30  |     |      |           |
| Client ID : COMP-5   |           |        |                                    |               |           |     |      |           |
| P1688-05             | COMP-5    | Solid  | Benzo[e]pyrene                     | *             | 130.000   | J   |      |           |
| P1688-05             | COMP-5    | Solid  | Butane, 2-methoxy-2-methyl-        | *             | 1,100.000 | J   |      |           |
| P1688-05             | COMP-5    | Solid  | Carbonic acid, octadecyl prop-1-e  | *             | 190.000   | J   |      |           |
| P1688-05             | COMP-5    | Solid  | Dibenzo[def,mno]chrysene           | *             | 91.400    | J   |      |           |
| P1688-05             | COMP-5    | Solid  | n-Hexadecanoic acid                | *             | 86.100    | J   |      |           |
| Total Tics :         |           |        |                                    |               | 1,597.50  |     |      |           |
| P1688-05             | COMP-5    | Solid  | Benzo(a)anthracene                 |               | 180.000   | J   | 100  | 210 ug/Kg |
| P1688-05             | COMP-5    | Solid  | Benzo(a)pyrene                     |               | 150.000   | J   | 110  | 210 ug/Kg |
| P1688-05             | COMP-5    | Solid  | Benzo(b)fluoranthene               |               | 200.000   | J   | 97.4 | 210 ug/Kg |
| P1688-05             | COMP-5    | Solid  | Chrysene                           |               | 170.000   | J   | 110  | 210 ug/Kg |
| P1688-05             | COMP-5    | Solid  | Fluoranthene                       |               | 300.000   |     | 110  | 210 ug/Kg |
| P1688-05             | COMP-5    | Solid  | Phenanthrene                       |               | 230.000   |     | 110  | 210 ug/Kg |
| P1688-05             | COMP-5    | Solid  | Pyrene                             |               | 240.000   |     | 100  | 210 ug/Kg |
| Total Svoc :         |           |        |                                    |               | 1,470.00  |     |      |           |
| Total Concentration: |           |        |                                    |               | 3,067.50  |     |      |           |



6C

## SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH

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

Lab Code: CHEM Case No.: BF022924

SAS No.: BF022924

SDG No.: BF022924

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

Calibration Date(s): 2/29/2024 : \_\_\_\_\_

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

|                             |        |                     |        |                     |        |                     |       |       |
|-----------------------------|--------|---------------------|--------|---------------------|--------|---------------------|-------|-------|
| LAB FILE ID:                |        | RRF2.5 = BF137439.D |        | RRF005 = BF137440.D |        | RRF010 = BF137441.D |       |       |
|                             |        | RRF020 = BF137442.D |        | RRF040 = BF137443.D |        | RRF050 = BF137444.D |       |       |
| COMPOUND                    | RRF2.5 | RRF005              | RRF010 | RRF020              | RRF040 | RRF050              | RRF   | % RSD |
| n-Nitrosodimethylamine      |        |                     | 0.425  | 0.628               | 0.700  | 0.710               | 0.652 | 17.9  |
| Pyridine                    |        | 1.361               | 1.529  | 1.895               | 1.910  | 1.832               | 1.741 | 12.2  |
| 2-Fluorophenol              |        | 1.221               | 1.350  | 1.475               | 1.380  | 1.318               | 1.321 | 7.1   |
| Benzaldehyde                |        | 0.824               | 0.936  | 1.041               | 1.001  | 0.950               | 0.934 | 8.1   |
| Aniline                     |        | 2.090               | 2.322  | 2.553               | 2.462  | 2.343               | 2.329 | 6.8   |
| Phenol-d6                   |        | 1.987               | 2.007  | 2.095               | 1.924  | 1.832               | 1.906 | 7.4   |
| Phenol                      |        | 2.046               | 2.142  | 2.271               | 2.125  | 2.004               | 2.052 | 7.5   |
| bis(2-Chloroethyl)ether     |        | 1.600               | 1.380  | 1.546               | 1.577  | 1.523               | 1.503 | 5.4   |
| 2-Chlorophenol              |        | 1.432               | 1.462  | 1.537               | 1.417  | 1.354               | 1.393 | 7.4   |
| 1,2-Dichlorobenzene         |        | 1.533               | 1.522  | 1.553               | 1.399  | 1.334               | 1.398 | 10.6  |
| 1,3-Dichlorobenzene         |        | 1.559               | 1.559  | 1.620               | 1.505  | 1.437               | 1.488 | 6.9   |
| 1,4-Dichlorobenzene         |        | 1.659               | 1.572  | 1.670               | 1.544  | 1.449               | 1.523 | 8.2   |
| Benzyl Alcohol              |        | 1.046               | 1.221  | 1.364               | 1.272  | 1.190               | 1.187 | 9.6   |
| 2-Methylphenol              |        | 1.299               | 1.348  | 1.410               | 1.325  | 1.277               | 1.303 | 5.3   |
| 2,2-oxybis(1-Chloropropane) |        | 2.765               | 2.745  | 2.815               | 2.596  | 2.486               | 2.584 | 8.1   |
| Acetophenone                |        | 0.508               | 0.525  | 0.540               | 0.480  | 0.467               | 0.484 | 9.2   |
| 3+4-Methylphenols           |        | 1.518               | 1.665  | 1.745               | 1.509  | 1.408               | 1.493 | 11.8  |
| n-Nitroso-di-n-propylamine  | 1.240  | 1.246               | 1.252  | 1.290               | 1.161  | 1.097               | 1.177 | 7.9   |
| Nitrobenzene-d5             |        | 0.418               | 0.437  | 0.471               | 0.441  | 0.427               | 0.430 | 5.4   |
| Hexachloroethane            |        | 0.497               | 0.502  | 0.546               | 0.513  | 0.493               | 0.501 | 5.1   |
| Nitrobenzene                |        | 0.406               | 0.434  | 0.465               | 0.440  | 0.439               | 0.432 | 4.7   |
| Isophorone                  |        | 0.816               | 0.831  | 0.862               | 0.820  | 0.807               | 0.818 | 3.3   |
| 2-Nitrophenol               |        | 0.140               | 0.162  | 0.182               | 0.178  | 0.183               | 0.172 | 9.2   |
| 2,4-Dimethylphenol          |        | 0.312               | 0.330  | 0.351               | 0.327  | 0.319               | 0.321 | 5.7   |
| bis(2-Chloroethoxy)methane  |        | 0.465               | 0.498  | 0.522               | 0.488  | 0.476               | 0.480 | 5.5   |
| 2,4-Dichlorophenol          |        | 0.279               | 0.296  | 0.322               | 0.302  | 0.297               | 0.294 | 5.4   |
| 1,2,4-Trichlorobenzene      |        | 0.323               | 0.326  | 0.332               | 0.310  | 0.302               | 0.310 | 6.3   |
| Benzoic acid                |        |                     | 0.123  | 0.141               | 0.165  | 0.182               | 0.167 | 17.9  |
| Naphthalene                 |        | 1.163               | 1.163  | 1.192               | 1.058  | 1.028               | 1.073 | 9.7   |
| 4-Chloroaniline             |        | 0.369               | 0.430  | 0.467               | 0.444  | 0.430               | 0.421 | 8.4   |
| Hexachlorobutadiene         |        | 0.191               | 0.191  | 0.195               | 0.184  | 0.177               | 0.183 | 5.7   |
| Caprolactam                 |        | 0.095               | 0.096  | 0.104               | 0.102  | 0.102               | 0.100 | 3.8   |
| 4-Chloro-3-methylphenol     |        | 0.328               | 0.335  | 0.354               | 0.336  | 0.325               | 0.329 | 4.6   |
| 2-Methylnaphthalene         |        | 0.732               | 0.748  | 0.760               | 0.684  | 0.654               | 0.684 | 9.8   |
| Hexachlorocyclopentadiene   |        |                     | 0.084  | 0.141               | 0.190  | 0.211               | 0.180 | 31.6  |
| 2,4,6-Trichlorophenol       |        | 0.355               | 0.355  | 0.387               | 0.375  | 0.364               | 0.364 | 3.8   |

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1



6C

## SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH

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

Lab Code: CHEM Case No.: BF022924

SAS No.: BF022924

SDG No.: BF022924

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

Calibration Date(s): 2/29/2024 : \_\_\_\_\_

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

|                            |        |                     |        |                     |        |                     |       |       |
|----------------------------|--------|---------------------|--------|---------------------|--------|---------------------|-------|-------|
| LAB FILE ID:               |        | RRF2.5 = BF137439.D |        | RRF005 = BF137440.D |        | RRF010 = BF137441.D |       |       |
|                            |        | RRF020 = BF137442.D |        | RRF040 = BF137443.D |        | RRF050 = BF137444.D |       |       |
| COMPOUND                   | RRF2.5 | RRF005              | RRF010 | RRF020              | RRF040 | RRF050              | RRF   | % RSD |
| 2-Fluorobiphenyl           |        | 1.509               | 1.467  | 1.412               | 1.240  | 1.157               | 1.278 | 14.5  |
| 2,4,5-Trichlorophenol      |        | 0.413               | 0.398  | 0.464               | 0.428  | 0.417               | 0.419 | 5.5   |
| 1,1-Biphenyl               |        | 1.595               | 1.586  | 1.619               | 1.465  | 1.379               | 1.464 | 9.8   |
| 2-Chloronaphthalene        |        | 1.192               | 1.170  | 1.217               | 1.122  | 1.067               | 1.116 | 7.4   |
| 2-Nitroaniline             |        | 0.289               | 0.345  | 0.399               | 0.402  | 0.411               | 0.379 | 12.1  |
| Dimethylphthalate          |        | 1.476               | 1.481  | 1.498               | 1.378  | 1.327               | 1.392 | 6.8   |
| Acenaphthylene             |        | 1.993               | 1.932  | 1.981               | 1.798  | 1.679               | 1.786 | 11.0  |
| 2,6-Dinitrotoluene         |        | 0.270               | 0.283  | 0.315               | 0.300  | 0.292               | 0.291 | 5.1   |
| 3-Nitroaniline             |        | 0.269               | 0.291  | 0.311               | 0.329  | 0.323               | 0.308 | 7.1   |
| Acenaphthene               |        | 1.175               | 1.160  | 1.179               | 1.057  | 0.997               | 1.066 | 10.0  |
| 2,4-Dinitrophenol          |        |                     | 0.044  | 0.088               | 0.122  | 0.131               | 0.111 | 34.5  |
| 4-Nitrophenol              |        |                     | 0.104  | 0.181               | 0.206  | 0.216               | 0.190 | 23.6  |
| Dibenzofuran               |        | 1.816               | 1.800  | 1.834               | 1.615  | 1.513               | 1.624 | 12.3  |
| 2,4-Dinitrotoluene         |        | 0.310               | 0.356  | 0.397               | 0.378  | 0.370               | 0.358 | 8.2   |
| Diethylphthalate           |        | 1.401               | 1.415  | 1.438               | 1.311  | 1.250               | 1.315 | 8.3   |
| 4-Chlorophenyl-phenylether |        | 0.701               | 0.682  | 0.674               | 0.589  | 0.564               | 0.611 | 12.0  |
| Fluorene                   |        | 1.447               | 1.420  | 1.402               | 1.211  | 1.129               | 1.247 | 14.0  |
| 4-Nitroaniline             |        | 0.217               | 0.238  | 0.296               | 0.273  | 0.277               | 0.265 | 10.5  |
| 4,6-Dinitro-2-methylphenol |        |                     | 0.080  | 0.107               | 0.117  | 0.121               | 0.111 | 14.7  |
| n-Nitrosodiphenylamine     |        | 0.669               | 0.687  | 0.699               | 0.636  | 0.625               | 0.644 | 6.6   |
| Azobenzene                 |        | 1.617               | 1.602  | 1.647               | 1.524  | 1.452               | 1.514 | 7.7   |
| 2,4,6-Tribromophenol       |        | 0.169               | 0.174  | 0.187               | 0.175  | 0.173               | 0.176 | 3.3   |
| 4-Bromophenyl-phenylether  |        | 0.213               | 0.219  | 0.236               | 0.221  | 0.216               | 0.218 | 4.3   |
| Hexachlorobenzene          |        | 0.225               | 0.225  | 0.233               | 0.217  | 0.217               | 0.220 | 4.1   |
| Atrazine                   |        | 0.190               | 0.199  | 0.214               | 0.197  | 0.195               | 0.196 | 4.8   |
| Pentachlorophenol          |        |                     | 0.105  | 0.133               | 0.139  | 0.142               | 0.133 | 10.7  |
| Phenanthrene               |        | 1.206               | 1.195  | 1.203               | 1.058  | 1.036               | 1.088 | 10.4  |
| Anthracene                 |        | 1.203               | 1.195  | 1.248               | 1.088  | 1.085               | 1.118 | 9.1   |
| Carbazole                  |        | 0.998               | 1.027  | 1.062               | 0.952  | 0.931               | 0.958 | 8.4   |
| Di-n-butylphthalate        |        | 1.192               | 1.203  | 1.255               | 1.140  | 1.116               | 1.139 | 7.6   |
| Fluoranthene               |        | 1.208               | 1.167  | 1.185               | 1.030  | 1.005               | 1.064 | 11.6  |
| Benzidine                  |        |                     | 0.375  | 0.497               | 0.568  | 0.541               | 0.489 | 14.4  |
| Pyrene                     |        | 1.874               | 1.929  | 2.096               | 2.064  | 1.969               | 1.962 | 4.9   |
| Terphenyl-d14              |        | 1.470               | 1.472  | 1.534               | 1.490  | 1.441               | 1.454 | 4.2   |
| Butylbenzylphthalate       |        | 0.405               | 0.441  | 0.506               | 0.527  | 0.540               | 0.501 | 11.4  |
| 3,3-Dichlorobenzidine      |        | 0.274               | 0.318  | 0.390               | 0.417  | 0.398               | 0.373 | 14.8  |

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1



6C

## SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH

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

Lab Code: CHEM Case No.: BF022924

SAS No.: BF022924

SDG No.: BF022924

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

Calibration Date(s): 2/29/2024 : \_\_\_\_\_

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

|                            |        |                     |        |        |                     |        |                     |       |
|----------------------------|--------|---------------------|--------|--------|---------------------|--------|---------------------|-------|
| LAB FILE ID:               |        | RRF2.5 = BF137439.D |        |        | RRF005 = BF137440.D |        | RRF010 = BF137441.D |       |
|                            |        | RRF020 = BF137442.D |        |        | RRF040 = BF137443.D |        | RRF050 = BF137444.D |       |
| COMPOUND                   | RRF2.5 | RRF005              | RRF010 | RRF020 | RRF040              | RRF050 | RRF                 | % RSD |
| Benzo(a)anthracene         |        | 1.401               | 1.405  | 1.519  | 1.416               | 1.380  | 1.402               | 4.6   |
| Chrysene                   |        | 1.427               | 1.407  | 1.493  | 1.447               | 1.384  | 1.417               | 3.1   |
| Bis(2-ethylhexyl)phthalate |        | 0.540               | 0.560  | 0.655  | 0.677               | 0.668  | 0.637               | 9.6   |
| Di-n-octyl phthalate       |        |                     | 0.808  | 0.979  | 1.196               | 1.170  | 1.120               | 17.1  |
| Benzo(b)fluoranthene       |        | 1.181               | 1.174  | 1.292  | 1.200               | 1.166  | 1.183               | 5.0   |
| Benzo(k)fluoranthene       |        | 1.372               | 1.359  | 1.352  | 1.231               | 1.217  | 1.271               | 7.2   |
| Benzo(a)pyrene             |        | 1.115               | 1.144  | 1.249  | 1.210               | 1.165  | 1.166               | 4.5   |
| Indeno(1,2,3-cd)pyrene     |        | 1.135               | 1.258  | 1.395  | 1.392               | 1.355  | 1.316               | 7.2   |
| Dibenzo(a,h)anthracene     |        | 0.901               | 1.008  | 1.134  | 1.134               | 1.101  | 1.068               | 8.2   |
| Benzo(g,h,i)perylene       |        | 0.943               | 1.030  | 1.171  | 1.162               | 1.132  | 1.096               | 7.6   |
| 1,2,4,5-Tetrachlorobenzene |        | 0.576               | 0.584  | 0.609  | 0.563               | 0.543  | 0.558               | 6.5   |
| 1,4-Dioxane                |        | 0.715               | 0.716  | 0.764  | 0.742               | 0.710  | 0.722               | 3.5   |
| 2,3,4,6-Tetrachlorophenol  |        | 0.336               | 0.346  | 0.363  | 0.341               | 0.329  | 0.336               | 5.0   |
| 1-Methylnaphthalene        |        | 0.704               | 0.710  | 0.718  | 0.635               | 0.605  | 0.644               | 10.5  |

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1



8B

## SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECHLab Code: CHEM Case No.: BF030724 SAS No.: BF030724 SDG NO.: BF030724EPA Sample No.: SSTDICCC040 Date Analyzed: Mar 7 2024 12:00AMLab File ID: BF137443.D Time Analyzed: 13:41Instrument ID: BNA\_F GC Column: DB-UI ID: 0.18 (mm)

|    |                | IS1 (DCB)<br>AREA # | RT #  | IS2 (NPT)<br>AREA # | RT #  | IS3 (ANT)<br>AREA # | RT #   |
|----|----------------|---------------------|-------|---------------------|-------|---------------------|--------|
|    | 12 HOUR STD    | 211004              | 6.804 | 833843              | 8.08  | 463807              | 9.84   |
|    | UPPER LIMIT    | 422008              | 7.304 | 1667686             | 8.581 | 927614              | 10.339 |
|    | LOWER LIMIT    | 105502              | 6.304 | 416921.5            | 7.581 | 231903.5            | 9.339  |
|    | EPA SAMPLE NO. |                     |       |                     |       |                     |        |
| 01 | PB159470BL     | 252512              | 6.86  | 1.02387e            | 8.14  | 572569              | 9.90   |
| 02 | PB159470BS     | 248652              | 6.87  | 1.03441e            | 8.15  | 571707              | 9.90   |
| 03 | PB159489BL     | 249600              | 6.86  | 1.02512e            | 8.14  | 569179              | 9.90   |
| 04 | PB159489BS     | 239063              | 6.87  | 976541              | 8.15  | 551849              | 9.90   |
| 05 | COMP-2         | 204701              | 6.87  | 798131              | 8.15  | 429616              | 9.90   |
| 06 | COMP-2MS       | 214834              | 6.87  | 823099              | 8.15  | 446688              | 9.90   |
| 07 | COMP-2MSD      | 222664              | 6.87  | 862226              | 8.15  | 476086              | 9.90   |
| 08 | COMP-3         | 203192              | 6.87  | 800020              | 8.14  | 428629              | 9.90   |
| 09 | COMP-4         | 196741              | 6.88  | 763117              | 8.15  | 408649              | 9.90   |
| 10 | COMP-5         | 204830              | 6.88  | 805932              | 8.15  | 430659              | 9.90   |
| 11 | COMP-1         | 193444              | 6.88  | 744647              | 8.15  | 386533              | 9.90   |

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: CHEMTECHLab Code: CHEM Case No.: BF030724 SAS No.: BF030724 SDG NO.: BF030724EPA Sample No.: SSTDCCC040 Date Analyzed: Mar 7 2024 12:00AMLab File ID: BF137526.D Time Analyzed: 13:41Instrument ID: BNA\_F GC Column: DB-UI ID: 0.18 (mm)

|    |                | IS1 (DCB)<br>AREA # | RT #  | IS2 (NPT)<br>AREA # | RT #  | IS3 (ANT)<br>AREA # | RT #   |
|----|----------------|---------------------|-------|---------------------|-------|---------------------|--------|
|    | 12 HOUR STD    | 251912              | 6.863 | 990893              | 8.14  | 554446              | 9.90   |
|    | UPPER LIMIT    | 503824              | 7.363 | 1981786             | 8.639 | 1108892             | 10.398 |
|    | LOWER LIMIT    | 125956              | 6.363 | 495446.5            | 7.639 | 277223              | 9.398  |
|    | EPA SAMPLE NO. |                     |       |                     |       |                     |        |
| 01 | PB159470BL     | 252512              | 6.86  | 1.02387e            | 8.14  | 572569              | 9.90   |
| 02 | PB159470BS     | 248652              | 6.87  | 1.03441e            | 8.15  | 571707              | 9.90   |
| 03 | PB159489BL     | 249600              | 6.86  | 1.02512e            | 8.14  | 569179              | 9.90   |
| 04 | PB159489BS     | 239063              | 6.87  | 976541              | 8.15  | 551849              | 9.90   |
| 05 | COMP-2         | 204701              | 6.87  | 798131              | 8.15  | 429616              | 9.90   |
| 06 | COMP-2MS       | 214834              | 6.87  | 823099              | 8.15  | 446688              | 9.90   |
| 07 | COMP-2MSD      | 222664              | 6.87  | 862226              | 8.15  | 476086              | 9.90   |
| 08 | COMP-3         | 203192              | 6.87  | 800020              | 8.14  | 428629              | 9.90   |
| 09 | COMP-4         | 196741              | 6.88  | 763117              | 8.15  | 408649              | 9.90   |
| 10 | COMP-5         | 204830              | 6.88  | 805932              | 8.15  | 430659              | 9.90   |
| 11 | COMP-1         | 193444              | 6.88  | 744647              | 8.15  | 386533              | 9.90   |

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.

## SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BF030724 SAS No.: BF030724 SDG NO.: BF030724

EPA Sample No.: SSTDICCC040 Date Analyzed: Mar 7 2024 12:00AM

Lab File ID: BF137443.D Time Analyzed: 13:41

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

|                | IS4 (PHN)<br>AREA # | RT #   | IS5 (CRY)<br>AREA # | RT #   | IS6 (PRY)<br>AREA # | RT #   |
|----------------|---------------------|--------|---------------------|--------|---------------------|--------|
| 12 HOUR STD    | 794722              | 11.328 | 399789              | 13.986 | 384521              | 15.486 |
| UPPER LIMIT    | 1589444             | 11.828 | 799578              | 14.486 | 769042              | 15.986 |
| LOWER LIMIT    | 397361              | 10.828 | 199894.5            | 13.486 | 192260.5            | 14.986 |
| EPA SAMPLE NO. |                     |        |                     |        |                     |        |
| 01 PB159470BL  | 1.08019             | 11.39  | 741061              | 14.06  | 580522              | 15.59  |
| 02 PB159470BS  | 1.02059             | 11.40  | 559047              | 14.06  | 486116              | 15.59  |
| 03 PB159489BL  | 1.0786e             | 11.39  | 738841              | 14.06  | 568581              | 15.59  |
| 04 PB159489BS  | 991789              | 11.40  | 529272              | 14.06  | 474837              | 15.60  |
| 05 COMP-2      | 699273              | 11.40  | 382429              | 14.06  | 417216              | 15.60  |
| 06 COMP-2MS    | 740580              | 11.40  | 362830              | 14.06  | 457934              | 15.59  |
| 07 COMP-2MSD   | 757881              | 11.40  | 377347              | 14.06  | 467922              | 15.60  |
| 08 COMP-3      | 687968              | 11.39  | 377231              | 14.06  | 424489              | 15.59  |
| 09 COMP-4      | 647079              | 11.40  | 361512              | 14.06  | 439216              | 15.60  |
| 10 COMP-5      | 677472              | 11.40  | 381475              | 14.06  | 459437              | 15.60  |
| 11 COMP-1      | 554981              | 11.40  | 357937              | 14.07  | 430257              | 15.62  |

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.

## SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BF030724 SAS No.: BF030724 SDG NO.: BF030724

EPA Sample No.: SSTDCCC040 Date Analyzed: Mar 7 2024 12:00AM

Lab File ID: BF137526.D Time Analyzed: 13:41

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

|                | IS4 (PHN)<br>AREA # | RT #   | IS5 (CRY)<br>AREA # | RT #   | IS6 (PRY)<br>AREA # | RT #   |
|----------------|---------------------|--------|---------------------|--------|---------------------|--------|
| 12 HOUR STD    | 970609              | 11.392 | 497116              | 14.057 | 488363              | 15.586 |
| UPPER LIMIT    | 1941218             | 11.892 | 994232              | 14.557 | 976726              | 16.086 |
| LOWER LIMIT    | 485304.5            | 10.892 | 248558              | 13.557 | 244181.5            | 15.086 |
| EPA SAMPLE NO. |                     |        |                     |        |                     |        |
| 01 PB159470BL  | 1.08019             | 11.39  | 741061              | 14.06  | 580522              | 15.59  |
| 02 PB159470BS  | 1.02059             | 11.40  | 559047              | 14.06  | 486116              | 15.59  |
| 03 PB159489BL  | 1.0786e             | 11.39  | 738841              | 14.06  | 568581              | 15.59  |
| 04 PB159489BS  | 991789              | 11.40  | 529272              | 14.06  | 474837              | 15.60  |
| 05 COMP-2      | 699273              | 11.40  | 382429              | 14.06  | 417216              | 15.60  |
| 06 COMP-2MS    | 740580              | 11.40  | 362830              | 14.06  | 457934              | 15.59  |
| 07 COMP-2MSD   | 757881              | 11.40  | 377347              | 14.06  | 467922              | 15.60  |
| 08 COMP-3      | 687968              | 11.39  | 377231              | 14.06  | 424489              | 15.59  |
| 09 COMP-4      | 647079              | 11.40  | 361512              | 14.06  | 439216              | 15.60  |
| 10 COMP-5      | 677472              | 11.40  | 381475              | 14.06  | 459437              | 15.60  |
| 11 COMP-1      | 554981              | 11.40  | 357937              | 14.07  | 430257              | 15.62  |

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.: BF030724

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

Analytical Method: 8270E

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

| Lab Sample ID | Parameter                   | Spike | Result | Unit  | Rec | RPD | Qual | RPD  | Limits |      | RPD |
|---------------|-----------------------------|-------|--------|-------|-----|-----|------|------|--------|------|-----|
|               |                             |       |        |       |     |     |      | Qual | Low    | High |     |
| PB159470BS    | n-Nitrosodimethylamine      | 1700  | 1500   | ug/Kg | 88  |     |      |      | 57     | 103  |     |
|               | Pyridine                    | 1700  | 1200   | ug/Kg | 71  |     |      |      | 28     | 98   |     |
|               | Benzaldehyde                | 1700  | 0      | ug/Kg | 0   |     | *    |      | 10     | 147  |     |
|               | Aniline                     | 1700  | 830    | ug/Kg | 49  |     |      |      | 38     | 100  |     |
|               | Phenol                      | 1700  | 1400   | ug/Kg | 82  |     |      |      | 62     | 112  |     |
|               | bis(2-Chloroethyl)ether     | 1700  | 1600   | ug/Kg | 94  |     |      |      | 60     | 101  |     |
|               | 2-Chlorophenol              | 1700  | 1600   | ug/Kg | 94  |     |      |      | 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  | 1800   | ug/Kg | 106 |     |      |      | 42     | 116  |     |
|               | 2-Methylphenol              | 1700  | 1400   | ug/Kg | 82  |     |      |      | 61     | 108  |     |
|               | 2,2-oxybis(1-Chloropropane) | 1700  | 1400   | ug/Kg | 82  |     |      |      | 51     | 100  |     |
|               | Acetophenone                | 1700  | 1500   | ug/Kg | 88  |     |      |      | 55     | 104  |     |
|               | 3+4-Methylphenols           | 1700  | 1400   | ug/Kg | 82  |     |      |      | 58     | 111  |     |
|               | N-Nitroso-di-n-propylamine  | 1700  | 1400   | ug/Kg | 82  |     |      |      | 63     | 95   |     |
|               | Hexachloroethane            | 1700  | 1600   | ug/Kg | 94  |     |      |      | 72     | 108  |     |
|               | Nitrobenzene                | 1700  | 1500   | ug/Kg | 88  |     |      |      | 57     | 101  |     |
|               | Isophorone                  | 1700  | 1500   | ug/Kg | 88  |     |      |      | 59     | 99   |     |
|               | 2-Nitrophenol               | 1700  | 1700   | ug/Kg | 100 |     |      |      | 61     | 111  |     |
|               | 2,4-Dimethylphenol          | 1700  | 1300   | ug/Kg | 76  |     |      |      | 67     | 119  |     |
|               | bis(2-Chloroethoxy)methane  | 1700  | 1500   | ug/Kg | 88  |     |      |      | 53     | 105  |     |
|               | 2,4-Dichlorophenol          | 1700  | 1600   | ug/Kg | 94  |     |      |      | 62     | 107  |     |
|               | 1,2,4-Trichlorobenzene      | 1700  | 1500   | ug/Kg | 88  |     |      |      | 44     | 110  |     |
|               | Benzoic acid                | 1700  | 1600   | ug/Kg | 94  |     |      |      | 10     | 140  |     |
|               | Naphthalene                 | 1700  | 1400   | ug/Kg | 82  |     |      |      | 62     | 100  |     |
|               | 4-Chloroaniline             | 1700  | 470    | ug/Kg | 28  |     |      |      | 16     | 100  |     |
|               | Hexachlorobutadiene         | 1700  | 1500   | ug/Kg | 88  |     |      |      | 53     | 98   |     |
|               | Caprolactam                 | 1700  | 1500   | ug/Kg | 88  |     |      |      | 67     | 110  |     |
|               | 4-Chloro-3-methylphenol     | 1700  | 1600   | ug/Kg | 94  |     |      |      | 58     | 112  |     |
|               | 2-Methylnaphthalene         | 1700  | 1400   | ug/Kg | 82  |     |      |      | 60     | 104  |     |
|               | Hexachlorocyclopentadiene   | 3300  | 3200   | ug/Kg | 97  |     |      |      | 45     | 134  |     |
|               | 2,4,6-Trichlorophenol       | 1700  | 1600   | ug/Kg | 94  |     |      |      | 59     | 102  |     |
|               | 2,4,5-Trichlorophenol       | 1700  | 1500   | ug/Kg | 88  |     |      |      | 61     | 98   |     |
|               | 1,1-Biphenyl                | 1700  | 1400   | ug/Kg | 82  |     |      |      | 57     | 103  |     |
|               | 2-Chloronaphthalene         | 1700  | 1500   | ug/Kg | 88  |     |      |      | 58     | 99   |     |
|               | 2-Nitroaniline              | 1700  | 1700   | ug/Kg | 100 |     |      |      | 66     | 101  |     |
|               | Dimethylphthalate           | 1700  | 1500   | ug/Kg | 88  |     |      |      | 61     | 99   |     |
|               | Acenaphthylene              | 1700  | 1500   | ug/Kg | 88  |     |      |      | 63     | 101  |     |
|               | 2,6-Dinitrotoluene          | 1700  | 1600   | ug/Kg | 94  |     |      |      | 61     | 104  |     |
|               | 3-Nitroaniline              | 1700  | 1100   | ug/Kg | 65  |     |      |      | 28     | 100  |     |
|               | Acenaphthene                | 1700  | 1400   | ug/Kg | 82  |     |      |      | 57     | 104  |     |
|               | Total PAH                   | 27200 | 24200  | ug/Kg | 89  |     |      |      | 57     | 104  |     |
|               | 2,4-Dinitrophenol           | 3300  | 3500   | ug/Kg | 106 |     |      |      | 37     | 128  |     |
|               | 4-Nitrophenol               | 3300  | 3200   | ug/Kg | 97  |     |      |      | 48     | 119  |     |
|               | Dibenzofuran                | 1700  | 1400   | ug/Kg | 82  |     |      |      | 63     | 99   |     |



Laboratory Control Sample/Laboratory Control Sample Duplicate Summary  
SW-846

SDG No.: BF030724

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

Analytical Method: 8270E

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

| Lab Sample ID | Parameter                        | Spike | Result | Unit  | Rec | RPD | Qual | RPD  |     | Limits |  | RPD |
|---------------|----------------------------------|-------|--------|-------|-----|-----|------|------|-----|--------|--|-----|
|               |                                  |       |        |       |     |     |      | Qual | Low | High   |  |     |
| PB159470BS    | 2,4-Dinitrotoluene               | 1700  | 1600   | ug/Kg | 94  |     |      |      | 60  | 106    |  |     |
|               | 2,4-Dinitrotoluene/2,6-Dinitrotr | 3400  | 3200   | ug/Kg | 94  |     |      |      | 60  | 106    |  |     |
|               | Diethylphthalate                 | 1700  | 1500   | ug/Kg | 88  |     |      |      | 60  | 101    |  |     |
|               | 4-Chlorophenyl-phenylether       | 1700  | 1400   | ug/Kg | 82  |     |      |      | 58  | 98     |  |     |
|               | Fluorene                         | 1700  | 1400   | ug/Kg | 82  |     |      |      | 61  | 101    |  |     |
|               | 4-Nitroaniline                   | 1700  | 1600   | ug/Kg | 94  |     |      |      | 64  | 103    |  |     |
|               | 4,6-Dinitro-2-methylphenol       | 1700  | 1800   | ug/Kg | 106 |     |      |      | 76  | 113    |  |     |
|               | N-Nitrosodiphenylamine           | 1700  | 1400   | ug/Kg | 82  |     |      |      | 56  | 107    |  |     |
|               | Azobenzene                       | 1700  | 1500   | ug/Kg | 88  |     |      |      | 54  | 103    |  |     |
|               | 4-Bromophenyl-phenylether        | 1700  | 1500   | ug/Kg | 88  |     |      |      | 55  | 99     |  |     |
|               | Hexachlorobenzene                | 1700  | 1600   | ug/Kg | 94  |     |      |      | 64  | 98     |  |     |
|               | Atrazine                         | 1700  | 1400   | ug/Kg | 82  |     |      |      | 67  | 113    |  |     |
|               | Pentachlorophenol                | 3300  | 3100   | ug/Kg | 94  |     |      |      | 67  | 105    |  |     |
|               | Phenanthrene                     | 1700  | 1400   | ug/Kg | 82  |     |      |      | 59  | 103    |  |     |
|               | Anthracene                       | 1700  | 1400   | ug/Kg | 82  |     |      |      | 61  | 105    |  |     |
|               | Carbazole                        | 1700  | 1500   | ug/Kg | 88  |     |      |      | 61  | 99     |  |     |
|               | Di-n-butylphthalate              | 1700  | 1500   | ug/Kg | 88  |     |      |      | 58  | 104    |  |     |
|               | Fluoranthene                     | 1700  | 1400   | ug/Kg | 82  |     |      |      | 57  | 107    |  |     |
|               | Benzidine                        | 3300  | 710    | ug/Kg | 22  |     |      |      | 10  | 98     |  |     |
|               | Pyrene                           | 1700  | 1500   | ug/Kg | 88  |     |      |      | 59  | 103    |  |     |
|               | Butylbenzylphthalate             | 1700  | 2100   | ug/Kg | 124 |     | *    |      | 55  | 103    |  |     |
|               | 3,3-Dichlorobenzidine            | 1700  | 1300   | ug/Kg | 76  |     |      |      | 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  | 1900   | ug/Kg | 112 |     | *    |      | 63  | 111    |  |     |
|               | Di-n-octyl phthalate             | 1700  | 1700   | ug/Kg | 100 |     |      |      | 70  | 108    |  |     |
|               | Benzo(b)fluoranthene             | 1700  | 1700   | ug/Kg | 100 |     |      |      | 62  | 109    |  |     |
|               | Benzo(k)fluoranthene             | 1700  | 1600   | ug/Kg | 94  |     |      |      | 62  | 109    |  |     |
|               | Benzo(a)pyrene                   | 1700  | 1500   | ug/Kg | 88  |     |      |      | 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  | 1500   | ug/Kg | 88  |     |      |      | 53  | 101    |  |     |
|               | 1,4-Dioxane                      | 1700  | 1200   | ug/Kg | 71  |     |      |      | 50  | 96     |  |     |
|               | 2,3,4,6-Tetrachlorophenol        | 1700  | 1600   | ug/Kg | 94  |     |      |      | 59  | 108    |  |     |
|               | 1-Methylnaphthalene              | 1700  | 1400   | ug/Kg | 82  |     |      |      | 70  | 130    |  |     |



**Laboratory Control Sample/Laboratory Control Sample Duplicate Summary**  
SW-846

SDG No.: BF030724

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

Analytical Method: 8270E

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

| Lab Sample ID | Parameter                   | Spike | Result | Unit  | Rec | RPD | Qual | RPD  | Limits |      | RPD |
|---------------|-----------------------------|-------|--------|-------|-----|-----|------|------|--------|------|-----|
|               |                             |       |        |       |     |     |      | Qual | Low    | High |     |
| PB159489BS    | n-Nitrosodimethylamine      | 1700  | 1500   | ug/Kg | 88  |     |      |      | 57     | 103  |     |
|               | Pyridine                    | 1700  | 1200   | ug/Kg | 71  |     |      |      | 28     | 98   |     |
|               | Benzaldehyde                | 1700  | 1900   | ug/Kg | 112 |     |      |      | 10     | 147  |     |
|               | Aniline                     | 1700  | 830    | ug/Kg | 49  |     |      |      | 38     | 100  |     |
|               | Phenol                      | 1700  | 1400   | ug/Kg | 82  |     |      |      | 62     | 112  |     |
|               | bis(2-Chloroethyl)ether     | 1700  | 1600   | ug/Kg | 94  |     |      |      | 60     | 101  |     |
|               | 2-Chlorophenol              | 1700  | 1600   | ug/Kg | 94  |     |      |      | 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  | 1800   | ug/Kg | 106 |     |      |      | 42     | 116  |     |
|               | 2-Methylphenol              | 1700  | 1500   | ug/Kg | 88  |     |      |      | 61     | 108  |     |
|               | 2,2-oxybis(1-Chloropropane) | 1700  | 1400   | ug/Kg | 82  |     |      |      | 51     | 100  |     |
|               | Acetophenone                | 1700  | 1500   | ug/Kg | 88  |     |      |      | 55     | 104  |     |
|               | 3+4-Methylphenols           | 1700  | 1400   | ug/Kg | 82  |     |      |      | 58     | 111  |     |
|               | N-Nitroso-di-n-propylamine  | 1700  | 1400   | ug/Kg | 82  |     |      |      | 63     | 95   |     |
|               | Hexachloroethane            | 1700  | 1600   | ug/Kg | 94  |     |      |      | 72     | 108  |     |
|               | Nitrobenzene                | 1700  | 1500   | ug/Kg | 88  |     |      |      | 57     | 101  |     |
|               | Isophorone                  | 1700  | 1500   | ug/Kg | 88  |     |      |      | 59     | 99   |     |
|               | 2-Nitrophenol               | 1700  | 1700   | ug/Kg | 100 |     |      |      | 61     | 111  |     |
|               | 2,4-Dimethylphenol          | 1700  | 1300   | ug/Kg | 76  |     |      |      | 67     | 119  |     |
|               | bis(2-Chloroethoxy)methane  | 1700  | 1500   | ug/Kg | 88  |     |      |      | 53     | 105  |     |
|               | 2,4-Dichlorophenol          | 1700  | 1600   | ug/Kg | 94  |     |      |      | 62     | 107  |     |
|               | 1,2,4-Trichlorobenzene      | 1700  | 1500   | ug/Kg | 88  |     |      |      | 44     | 110  |     |
|               | Benzoic acid                | 1700  | 1700   | ug/Kg | 100 |     |      |      | 10     | 140  |     |
|               | Naphthalene                 | 1700  | 1400   | ug/Kg | 82  |     |      |      | 62     | 100  |     |
|               | 4-Chloroaniline             | 1700  | 480    | ug/Kg | 28  |     |      |      | 16     | 100  |     |
|               | Hexachlorobutadiene         | 1700  | 1500   | ug/Kg | 88  |     |      |      | 53     | 98   |     |
|               | Caprolactam                 | 1700  | 1600   | ug/Kg | 94  |     |      |      | 67     | 110  |     |
|               | 4-Chloro-3-methylphenol     | 1700  | 1600   | ug/Kg | 94  |     |      |      | 58     | 112  |     |
|               | 2-Methylnaphthalene         | 1700  | 1400   | ug/Kg | 82  |     |      |      | 60     | 104  |     |
|               | Hexachlorocyclopentadiene   | 3300  | 3200   | ug/Kg | 97  |     |      |      | 45     | 134  |     |
|               | 2,4,6-Trichlorophenol       | 1700  | 1600   | ug/Kg | 94  |     |      |      | 59     | 102  |     |
|               | 2,4,5-Trichlorophenol       | 1700  | 1400   | ug/Kg | 82  |     |      |      | 61     | 98   |     |
|               | 1,1-Biphenyl                | 1700  | 1400   | ug/Kg | 82  |     |      |      | 57     | 103  |     |
|               | 2-Chloronaphthalene         | 1700  | 1500   | ug/Kg | 88  |     |      |      | 58     | 99   |     |
|               | 2-Nitroaniline              | 1700  | 1600   | ug/Kg | 94  |     |      |      | 66     | 101  |     |
|               | Dimethylphthalate           | 1700  | 1500   | ug/Kg | 88  |     |      |      | 61     | 99   |     |
|               | Acenaphthylene              | 1700  | 1500   | ug/Kg | 88  |     |      |      | 63     | 101  |     |
|               | 2,6-Dinitrotoluene          | 1700  | 1600   | ug/Kg | 94  |     |      |      | 61     | 104  |     |
|               | 3-Nitroaniline              | 1700  | 1000   | ug/Kg | 59  |     |      |      | 28     | 100  |     |
|               | Acenaphthene                | 1700  | 1400   | ug/Kg | 82  |     |      |      | 57     | 104  |     |
|               | Total PAH                   | 27200 | 24100  | ug/Kg | 89  |     |      |      | 57     | 104  |     |
|               | 2,4-Dinitrophenol           | 3300  | 3500   | ug/Kg | 106 |     |      |      | 37     | 128  |     |
|               | 4-Nitrophenol               | 3300  | 3100   | ug/Kg | 94  |     |      |      | 48     | 119  |     |
|               | Dibenzofuran                | 1700  | 1400   | ug/Kg | 82  |     |      |      | 63     | 99   |     |



**Laboratory Control Sample/Laboratory Control Sample Duplicate Summary**  
SW-846

SDG No.: BF030724

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

Analytical Method: 8270E

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

| Lab Sample ID | Parameter                        | Spike | Result | Unit  | Rec | RPD | Qual | RPD  | Limits |      | RPD |
|---------------|----------------------------------|-------|--------|-------|-----|-----|------|------|--------|------|-----|
|               |                                  |       |        |       |     |     |      | Qual | Low    | High |     |
| PB159489BS    | 2,4-Dinitrotoluene               | 1700  | 1600   | ug/Kg | 94  |     |      |      | 60     | 106  |     |
|               | 2,4-Dinitrotoluene/2,6-Dinitrotr | 3400  | 3200   | ug/Kg | 94  |     |      |      | 60     | 106  |     |
|               | Diethylphthalate                 | 1700  | 1500   | ug/Kg | 88  |     |      |      | 60     | 101  |     |
|               | 4-Chlorophenyl-phenylether       | 1700  | 1400   | ug/Kg | 82  |     |      |      | 58     | 98   |     |
|               | Fluorene                         | 1700  | 1400   | ug/Kg | 82  |     |      |      | 61     | 101  |     |
|               | 4-Nitroaniline                   | 1700  | 1600   | ug/Kg | 94  |     |      |      | 64     | 103  |     |
|               | 4,6-Dinitro-2-methylphenol       | 1700  | 1800   | ug/Kg | 106 |     |      |      | 76     | 113  |     |
|               | N-Nitrosodiphenylamine           | 1700  | 1400   | ug/Kg | 82  |     |      |      | 56     | 107  |     |
|               | Azobenzene                       | 1700  | 1500   | ug/Kg | 88  |     |      |      | 54     | 103  |     |
|               | 4-Bromophenyl-phenylether        | 1700  | 1500   | ug/Kg | 88  |     |      |      | 55     | 99   |     |
|               | Hexachlorobenzene                | 1700  | 1600   | ug/Kg | 94  |     |      |      | 64     | 98   |     |
|               | Atrazine                         | 1700  | 1400   | ug/Kg | 82  |     |      |      | 67     | 113  |     |
|               | Pentachlorophenol                | 3300  | 3000   | ug/Kg | 91  |     |      |      | 67     | 105  |     |
|               | Phenanthrene                     | 1700  | 1400   | ug/Kg | 82  |     |      |      | 59     | 103  |     |
|               | Anthracene                       | 1700  | 1400   | ug/Kg | 82  |     |      |      | 61     | 105  |     |
|               | Carbazole                        | 1700  | 1400   | ug/Kg | 82  |     |      |      | 61     | 99   |     |
|               | Di-n-butylphthalate              | 1700  | 1500   | ug/Kg | 88  |     |      |      | 58     | 104  |     |
|               | Fluoranthene                     | 1700  | 1400   | ug/Kg | 82  |     |      |      | 57     | 107  |     |
|               | Benzidine                        | 3300  | 740    | ug/Kg | 22  |     |      |      | 10     | 98   |     |
|               | Pyrene                           | 1700  | 1500   | ug/Kg | 88  |     |      |      | 59     | 103  |     |
|               | Butylbenzylphthalate             | 1700  | 2000   | ug/Kg | 118 |     | *    |      | 55     | 103  |     |
|               | 3,3-Dichlorobenzidine            | 1700  | 1400   | ug/Kg | 82  |     |      |      | 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  | 1900   | ug/Kg | 112 |     | *    |      | 63     | 111  |     |
|               | Di-n-octyl phthalate             | 1700  | 1700   | ug/Kg | 100 |     |      |      | 70     | 108  |     |
|               | Benzo(b)fluoranthene             | 1700  | 1700   | ug/Kg | 100 |     |      |      | 62     | 109  |     |
|               | Benzo(k)fluoranthene             | 1700  | 1500   | ug/Kg | 88  |     |      |      | 62     | 109  |     |
|               | Benzo(a)pyrene                   | 1700  | 1500   | ug/Kg | 88  |     |      |      | 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  | 1500   | ug/Kg | 88  |     |      |      | 53     | 101  |     |
|               | 1,4-Dioxane                      | 1700  | 1200   | ug/Kg | 71  |     |      |      | 50     | 96   |     |
|               | 2,3,4,6-Tetrachlorophenol        | 1700  | 1600   | ug/Kg | 94  |     |      |      | 59     | 108  |     |
|               | 1-Methylnaphthalene              | 1700  | 1400   | ug/Kg | 82  |     |      |      | 70     | 130  |     |



4B

## SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB159470BL

Lab Name: CHEMTECH

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

Lab Code: CHEM Case No.: BF030724SAS No.: BF030724 SDG NO.: BF030724Lab File ID: BF137527.DLab Sample ID: PB159470BLInstrument ID: BNA\_FDate Extracted: 03/06/2024Matrix: (soil/water) SolidDate Analyzed: 03/07/2024Level: (low/med) LOWTime Analyzed: 13:41

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 |
|-------------------|------------------|----------------|------------------|
| PB159470BS        | PB159470BS       | BF137528.D     | 03/07/2024       |

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



4B

## SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB159489BL

Lab Name: CHEMTECH

Contract:

Lab Code: CHEM Case No.: BF030724

SAS No.: BF030724 SDG NO.: BF030724

Lab File ID: BF137529.D

Lab Sample ID: PB159489BL

Instrument ID: BNA\_F

Date Extracted: 03/07/2024

Matrix: (soil/water) Solid

Date Analyzed: 03/07/2024

Level: (low/med) LOW

Time Analyzed: 14:41

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 |
|-------------------|------------------|----------------|------------------|
| PB159489BS        | PB159489BS       | BF137530.D     | 03/07/2024       |
| COMP-2            | P1688-02         | BF137531.D     | 03/07/2024       |
| COMP-2MS          | P1688-02MS       | BF137532.D     | 03/07/2024       |
| COMP-2MSD         | P1688-02MSD      | BF137533.D     | 03/07/2024       |
| COMP-3            | P1688-03         | BF137534.D     | 03/07/2024       |
| COMP-4            | P1688-04         | BF137535.D     | 03/07/2024       |
| COMP-5            | P1688-05         | BF137536.D     | 03/07/2024       |
| COMP-1            | P1688-01         | BF137537.D     | 03/07/2024       |

COMMENTS:

**Matrix Spike/Matrix Spike Duplicate Summary**  
**SW-846**

**SDG No.:** BF030724

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

**Analytical Method:** **8270E**

|                             |            | Sample            |          |       |     | Rec  |     | RPD       | Limits     |      |     |
|-----------------------------|------------|-------------------|----------|-------|-----|------|-----|-----------|------------|------|-----|
| Parameter                   | Spike      | Result            | Result   | Units | Rec | Qual | RPD | Qual      | Low        | High | RPD |
| Lab Sample ID:              | P1688-02MS | Client Sample ID: | COMP-2MS |       |     |      |     | DataFile: | BF137532.D |      |     |
| n-Nitrosodimethylamine      | 1900       |                   | 1500     | ug/Kg | 79  |      |     |           | 66         | 124  |     |
| Pyridine                    | 1900       |                   | 1300     | ug/Kg | 68  |      |     |           | 45         | 119  |     |
| Benzaldehyde                | 1900       |                   | 1100     | ug/Kg | 58  |      |     |           | 26         | 163  |     |
| Aniline                     | 1900       |                   | 840      | ug/Kg | 44  |      |     |           | 10         | 88   |     |
| Phenol                      | 1900       |                   | 1500     | ug/Kg | 79  |      |     |           | 67         | 126  |     |
| bis(2-Chloroethyl)ether     | 1900       |                   | 1500     | ug/Kg | 79  |      |     |           | 74         | 116  |     |
| 2-Chlorophenol              | 1900       |                   | 1600     | ug/Kg | 84  |      |     |           | 61         | 138  |     |
| 1,2-Dichlorobenzene         | 1900       |                   | 1600     | ug/Kg | 84  |      |     |           | 61         | 105  |     |
| 1,3-Dichlorobenzene         | 1900       |                   | 1600     | ug/Kg | 84  |      |     |           | 62         | 101  |     |
| 1,4-Dichlorobenzene         | 1900       |                   | 1600     | ug/Kg | 84  |      |     |           | 63         | 104  |     |
| Benzyl Alcohol              | 1900       |                   | 1700     | ug/Kg | 89  |      |     |           | 47         | 126  |     |
| 2-Methylphenol              | 1900       |                   | 1400     | ug/Kg | 74  |      |     |           | 66         | 122  |     |
| 2,2-oxybis(1-Chloropropane) | 1900       |                   | 1400     | ug/Kg | 74  |      |     |           | 52         | 115  |     |
| Acetophenone                | 1900       |                   | 1600     | ug/Kg | 84  |      |     |           | 75         | 111  |     |
| 3+4-Methylphenols           | 1900       |                   | 1400     | ug/Kg | 74  |      |     |           | 53         | 132  |     |
| N-Nitroso-di-n-propylamine  | 1900       |                   | 1400     | ug/Kg | 74  |      |     |           | 59         | 119  |     |
| Hexachloroethane            | 1900       |                   | 1600     | ug/Kg | 84  |      |     |           | 65         | 117  |     |
| Nitrobenzene                | 1900       |                   | 1500     | ug/Kg | 79  |      |     |           | 70         | 119  |     |
| Isophorone                  | 1900       |                   | 1500     | ug/Kg | 79  |      |     |           | 76         | 122  |     |
| 2-Nitrophenol               | 1900       |                   | 1700     | ug/Kg | 89  |      |     |           | 54         | 145  |     |
| 2,4-Dimethylphenol          | 1900       |                   | 1300     | ug/Kg | 68  | *    |     |           | 83         | 144  |     |
| bis(2-Chloroethoxy)methane  | 1900       |                   | 1500     | ug/Kg | 79  |      |     |           | 68         | 112  |     |
| 2,4-Dichlorophenol          | 1900       |                   | 1600     | ug/Kg | 84  |      |     |           | 72         | 118  |     |
| 1,2,4-Trichlorobenzene      | 1900       |                   | 1600     | ug/Kg | 84  |      |     |           | 57         | 103  |     |
| Benzoic acid                | 1900       |                   | 1200     | ug/Kg | 63  |      |     |           | 50         | 104  |     |
| Naphthalene                 | 1900       |                   | 1500     | ug/Kg | 79  |      |     |           | 72         | 110  |     |
| 4-Chloroaniline             | 1900       |                   | 290      | ug/Kg | 15  |      |     |           | 10         | 100  |     |
| Hexachlorobutadiene         | 1900       |                   | 1600     | ug/Kg | 84  |      |     |           | 66         | 114  |     |
| Caprolactam                 | 1900       |                   | 1500     | ug/Kg | 79  |      |     |           | 51         | 134  |     |
| 4-Chloro-3-methylphenol     | 1900       |                   | 1600     | ug/Kg | 84  |      |     |           | 57         | 132  |     |
| 2-Methylnaphthalene         | 1900       |                   | 1400     | ug/Kg | 74  |      |     |           | 59         | 123  |     |
| Hexachlorocyclopentadiene   | 3800       |                   | 3200     | ug/Kg | 84  |      |     |           | 10         | 175  |     |
| 2,4,6-Trichlorophenol       | 1900       |                   | 1600     | ug/Kg | 84  |      |     |           | 72         | 117  |     |
| 2,4,5-Trichlorophenol       | 1900       |                   | 1500     | ug/Kg | 79  |      |     |           | 72         | 117  |     |
| 1,1-Biphenyl                | 1900       |                   | 1500     | ug/Kg | 79  |      |     |           | 75         | 113  |     |
| 2-Chloronaphthalene         | 1900       |                   | 1600     | ug/Kg | 84  |      |     |           | 67         | 118  |     |
| 2-Nitroaniline              | 1900       |                   | 1600     | ug/Kg | 84  |      |     |           | 69         | 127  |     |
| Dimethylphthalate           | 1900       |                   | 1500     | ug/Kg | 79  |      |     |           | 70         | 113  |     |
| Acenaphthylene              | 1900       |                   | 1600     | ug/Kg | 84  |      |     |           | 79         | 118  |     |
| 2,6-Dinitrotoluene          | 1900       |                   | 1600     | ug/Kg | 84  |      |     |           | 70         | 125  |     |
| 3-Nitroaniline              | 1900       |                   | 830      | ug/Kg | 44  |      |     |           | 20         | 111  |     |
| Acenaphthene                | 1900       |                   | 1500     | ug/Kg | 79  |      |     |           | 70         | 121  |     |
| Total PAH                   | 30400      |                   | 23900    | ug/Kg | 79  |      |     |           | 70         | 121  |     |
| 2,4-Dinitrophenol           | 3800       |                   | 2700     | ug/Kg | 71  |      |     |           | 16         | 160  |     |
| 4-Nitrophenol               | 3800       |                   | 3000     | ug/Kg | 79  |      |     |           | 45         | 133  |     |
| Dibenzofuran                | 1900       |                   | 1500     | ug/Kg | 79  |      |     |           | 72         | 110  |     |
| 2,4-Dinitrotoluene          | 1900       |                   | 1600     | ug/Kg | 84  |      |     |           | 55         | 128  |     |

**Matrix Spike/Matrix Spike Duplicate Summary**  
**SW-846**

**SDG No.:** BF030724

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

**Analytical Method:** **8270E**

| Parameter                         | Spike | Sample<br>Result | Result | Units | Rec | Rec<br>Qual | RPD | RPD<br>Qual | Limits |      |     |
|-----------------------------------|-------|------------------|--------|-------|-----|-------------|-----|-------------|--------|------|-----|
|                                   |       |                  |        |       |     |             |     |             | Low    | High | RPD |
| 2,4-Dinitrotoluene/2,6-Dinitrotol | 3800  |                  | 3200   | ug/Kg | 84  |             |     |             | 55     | 128  |     |
| Diethylphthalate                  | 1900  |                  | 1500   | ug/Kg | 79  |             |     |             | 70     | 112  |     |
| 4-Chlorophenyl-phenylether        | 1900  |                  | 1400   | ug/Kg | 74  |             |     |             | 71     | 108  |     |
| Fluorene                          | 1900  |                  | 1400   | ug/Kg | 74  |             |     |             | 68     | 116  |     |
| 4-Nitroaniline                    | 1900  |                  | 1500   | ug/Kg | 79  |             |     |             | 55     | 120  |     |
| 4,6-Dinitro-2-methylphenol        | 1900  |                  | 1700   | ug/Kg | 89  |             |     |             | 32     | 145  |     |
| N-Nitrosodiphenylamine            | 1900  |                  | 1500   | ug/Kg | 79  |             |     |             | 73     | 118  |     |
| Azobenzene                        | 1900  |                  | 1500   | ug/Kg | 79  |             |     |             | 73     | 110  |     |
| 4-Bromophenyl-phenylether         | 1900  |                  | 1600   | ug/Kg | 84  |             |     |             | 65     | 121  |     |
| Hexachlorobenzene                 | 1900  |                  | 1600   | ug/Kg | 84  |             |     |             | 67     | 118  |     |
| Atrazine                          | 1900  |                  | 1700   | ug/Kg | 89  |             |     |             | 79     | 127  |     |
| Pentachlorophenol                 | 3800  |                  | 2800   | ug/Kg | 74  |             |     |             | 47     | 128  |     |
| Phenanthrene                      | 1900  |                  | 1500   | ug/Kg | 79  |             |     |             | 72     | 113  |     |
| Anthracene                        | 1900  |                  | 1500   | ug/Kg | 79  |             |     |             | 62     | 124  |     |
| Carbazole                         | 1900  |                  | 1500   | ug/Kg | 79  |             |     |             | 59     | 119  |     |
| Di-n-butylphthalate               | 1900  |                  | 1600   | ug/Kg | 84  |             |     |             | 69     | 118  |     |
| Fluoranthene                      | 1900  |                  | 1400   | ug/Kg | 74  |             |     |             | 59     | 125  |     |
| Benzidine                         | 3800  |                  | 1900   | ug/Kg | 50  |             |     |             | 10     | 119  |     |
| Pyrene                            | 1900  |                  | 1500   | ug/Kg | 79  |             |     |             | 52     | 128  |     |
| Butylbenzylphthalate              | 1900  |                  | 2100   | ug/Kg | 111 |             |     |             | 64     | 126  |     |
| 3,3-Dichlorobenzidine             | 1900  |                  | 1200   | ug/Kg | 63  |             |     |             | 10     | 164  |     |
| Benzo(a)anthracene                | 1900  |                  | 1600   | ug/Kg | 84  |             |     |             | 71     | 114  |     |
| Chrysene                          | 1900  |                  | 1600   | ug/Kg | 84  |             |     |             | 57     | 121  |     |
| bis(2-Ethylhexyl)phthalate        | 1900  |                  | 2100   | ug/Kg | 111 |             |     |             | 66     | 127  |     |
| Di-n-octyl phthalate              | 1900  |                  | 1900   | ug/Kg | 100 |             |     |             | 71     | 126  |     |
| Benzo(b)fluoranthene              | 1900  |                  | 1500   | ug/Kg | 79  |             |     |             | 67     | 121  |     |
| Benzo(k)fluoranthene              | 1900  |                  | 1500   | ug/Kg | 79  |             |     |             | 74     | 114  |     |
| Benzo(a)pyrene                    | 1900  |                  | 1500   | ug/Kg | 79  |             |     |             | 70     | 142  |     |
| Indeno(1,2,3-cd)pyrene            | 1900  |                  | 1500   | ug/Kg | 79  |             |     |             | 61     | 125  |     |
| Dibenz(a,h)anthracene             | 1900  |                  | 1500   | ug/Kg | 79  |             |     |             | 67     | 130  |     |
| Benzo(g,h,i)perylene              | 1900  |                  | 1300   | ug/Kg | 68  |             |     |             | 53     | 140  |     |
| 1,2,4,5-Tetrachlorobenzene        | 1900  |                  | 1600   | ug/Kg | 84  |             |     |             | 69     | 124  |     |
| 1,4-Dioxane                       | 1900  |                  | 1400   | ug/Kg | 74  |             |     |             | 46     | 112  |     |
| 2,3,4,6-Tetrachlorophenol         | 1900  |                  | 1500   | ug/Kg | 79  |             |     |             | 56     | 133  |     |
| 1-Methylnaphthalene               | 1900  |                  | 1400   | ug/Kg | 74  |             |     |             | 70     | 130  |     |

**Matrix Spike/Matrix Spike Duplicate Summary**  
**SW-846**

**SDG No.:** BF030724

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

**Analytical Method:** **8270E**

| Parameter                   | Spike              | Sample                   | Result           | Units | Rec | Rec  | RPD              | RPD               | Low | Limits |     |
|-----------------------------|--------------------|--------------------------|------------------|-------|-----|------|------------------|-------------------|-----|--------|-----|
|                             |                    | Result                   |                  |       |     | Qual |                  | Qual              |     | High   | RPD |
| <b>Lab Sample ID:</b>       | <b>P1688-02MSD</b> | <b>Client Sample ID:</b> | <b>COMP-2MSD</b> |       |     |      | <b>DataFile:</b> | <b>BF137533.D</b> |     |        |     |
| n-Nitrosodimethylamine      | 1900               |                          | 1500             | ug/Kg | 79  | 0    |                  |                   | 66  | 124    | 20  |
| Pyridine                    | 1900               |                          | 1300             | ug/Kg | 68  | 0    |                  |                   | 45  | 119    | 20  |
| Benzaldehyde                | 1900               |                          | 1100             | ug/Kg | 58  | 0    |                  |                   | 26  | 163    | 20  |
| Aniline                     | 1900               |                          | 830              | ug/Kg | 44  | 0    |                  |                   | 10  | 88     | 20  |
| Phenol                      | 1900               |                          | 1500             | ug/Kg | 79  | 0    |                  |                   | 67  | 126    | 20  |
| bis(2-Chloroethyl)ether     | 1900               |                          | 1500             | ug/Kg | 79  | 0    |                  |                   | 74  | 116    | 20  |
| 2-Chlorophenol              | 1900               |                          | 1600             | ug/Kg | 84  | 0    |                  |                   | 61  | 138    | 20  |
| 1,2-Dichlorobenzene         | 1900               |                          | 1600             | ug/Kg | 84  | 0    |                  |                   | 61  | 105    | 20  |
| 1,3-Dichlorobenzene         | 1900               |                          | 1500             | ug/Kg | 79  | 6    |                  |                   | 62  | 101    | 20  |
| 1,4-Dichlorobenzene         | 1900               |                          | 1500             | ug/Kg | 79  | 6    |                  |                   | 63  | 104    | 20  |
| Benzyl Alcohol              | 1900               |                          | 1700             | ug/Kg | 89  | 0    |                  |                   | 47  | 126    | 20  |
| 2-Methylphenol              | 1900               |                          | 1400             | ug/Kg | 74  | 0    |                  |                   | 66  | 122    | 20  |
| 2,2-oxybis(1-Chloropropane) | 1900               |                          | 1400             | ug/Kg | 74  | 0    |                  |                   | 52  | 115    | 20  |
| Acetophenone                | 1900               |                          | 1500             | ug/Kg | 79  | 6    |                  |                   | 75  | 111    | 20  |
| 3+4-Methylphenols           | 1900               |                          | 1400             | ug/Kg | 74  | 0    |                  |                   | 53  | 132    | 20  |
| N-Nitroso-di-n-propylamine  | 1900               |                          | 1400             | ug/Kg | 74  | 0    |                  |                   | 59  | 119    | 20  |
| Hexachloroethane            | 1900               |                          | 1600             | ug/Kg | 84  | 0    |                  |                   | 65  | 117    | 20  |
| Nitrobenzene                | 1900               |                          | 1500             | ug/Kg | 79  | 0    |                  |                   | 70  | 119    | 20  |
| Isophorone                  | 1900               |                          | 1500             | ug/Kg | 79  | 0    |                  |                   | 76  | 122    | 20  |
| 2-Nitrophenol               | 1900               |                          | 1700             | ug/Kg | 89  | 0    |                  |                   | 54  | 145    | 20  |
| 2,4-Dimethylphenol          | 1900               |                          | 1200             | ug/Kg | 63  | *    | 8                |                   | 83  | 144    | 20  |
| bis(2-Chloroethoxy)methane  | 1900               |                          | 1500             | ug/Kg | 79  | 0    |                  |                   | 68  | 112    | 20  |
| 2,4-Dichlorophenol          | 1900               |                          | 1600             | ug/Kg | 84  | 0    |                  |                   | 72  | 118    | 20  |
| 1,2,4-Trichlorobenzene      | 1900               |                          | 1600             | ug/Kg | 84  | 0    |                  |                   | 57  | 103    | 20  |
| Benzoic acid                | 1900               |                          | 1300             | ug/Kg | 68  | 8    |                  |                   | 50  | 104    | 20  |
| Naphthalene                 | 1900               |                          | 1500             | ug/Kg | 79  | 0    |                  |                   | 72  | 110    | 20  |
| 4-Chloroaniline             | 1900               |                          | 260              | ug/Kg | 14  | 7    |                  |                   | 10  | 100    | 20  |
| Hexachlorobutadiene         | 1900               |                          | 1500             | ug/Kg | 79  | 6    |                  |                   | 66  | 114    | 20  |
| Caprolactam                 | 1900               |                          | 1600             | ug/Kg | 84  | 6    |                  |                   | 51  | 134    | 20  |
| 4-Chloro-3-methylphenol     | 1900               |                          | 1500             | ug/Kg | 79  | 6    |                  |                   | 57  | 132    | 20  |
| 2-Methylnaphthalene         | 1900               |                          | 1400             | ug/Kg | 74  | 0    |                  |                   | 59  | 123    | 20  |
| Hexachlorocyclopentadiene   | 3800               |                          | 3000             | ug/Kg | 79  | 6    |                  |                   | 10  | 175    | 20  |
| 2,4,6-Trichlorophenol       | 1900               |                          | 1600             | ug/Kg | 84  | 0    |                  |                   | 72  | 117    | 20  |
| 2,4,5-Trichlorophenol       | 1900               |                          | 1500             | ug/Kg | 79  | 0    |                  |                   | 72  | 117    | 20  |
| 1,1-Biphenyl                | 1900               |                          | 1500             | ug/Kg | 79  | 0    |                  |                   | 75  | 113    | 20  |
| 2-Chloronaphthalene         | 1900               |                          | 1500             | ug/Kg | 79  | 6    |                  |                   | 67  | 118    | 20  |
| 2-Nitroaniline              | 1900               |                          | 1600             | ug/Kg | 84  | 0    |                  |                   | 69  | 127    | 20  |
| Dimethylphthalate           | 1900               |                          | 1500             | ug/Kg | 79  | 0    |                  |                   | 70  | 113    | 20  |
| Acenaphthylene              | 1900               |                          | 1500             | ug/Kg | 79  | 6    |                  |                   | 79  | 118    | 20  |
| 2,6-Dinitrotoluene          | 1900               |                          | 1600             | ug/Kg | 84  | 0    |                  |                   | 70  | 125    | 20  |
| 3-Nitroaniline              | 1900               |                          | 790              | ug/Kg | 42  | 5    |                  |                   | 20  | 111    | 20  |
| Acenaphthene                | 1900               |                          | 1400             | ug/Kg | 74  | 7    |                  |                   | 70  | 121    | 20  |
| Total PAH                   | 30400              |                          | 23300            | ug/Kg | 77  | 3    |                  |                   | 70  | 121    | 20  |
| 2,4-Dinitrophenol           | 3800               |                          | 2600             | ug/Kg | 68  | 4    |                  |                   | 16  | 160    | 20  |
| 4-Nitrophenol               | 3800               |                          | 2800             | ug/Kg | 74  | 7    |                  |                   | 45  | 133    | 20  |
| Dibenzofuran                | 1900               |                          | 1400             | ug/Kg | 74  | 7    |                  |                   | 72  | 110    | 20  |
| 2,4-Dinitrotoluene          | 1900               |                          | 1600             | ug/Kg | 84  | 0    |                  |                   | 55  | 128    | 20  |

**Matrix Spike/Matrix Spike Duplicate Summary**  
**SW-846**

**SDG No.:** BF030724

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

**Analytical Method:** **8270E**

| Parameter                         | Spike | Sample<br>Result | Result | Units | Rec | Rec<br>Qual | RPD | RPD<br>Qual | Limits |      | RPD |
|-----------------------------------|-------|------------------|--------|-------|-----|-------------|-----|-------------|--------|------|-----|
|                                   |       |                  |        |       |     |             |     |             | Low    | High |     |
| 2,4-Dinitrotoluene/2,6-Dinitrotol | 3800  |                  | 3200   | ug/Kg | 84  |             | 0   |             | 55     | 128  | 20  |
| Diethylphthalate                  | 1900  |                  | 1500   | ug/Kg | 79  |             | 0   |             | 70     | 112  | 20  |
| 4-Chlorophenyl-phenylether        | 1900  |                  | 1400   | ug/Kg | 74  |             | 0   |             | 71     | 108  | 20  |
| Fluorene                          | 1900  |                  | 1400   | ug/Kg | 74  |             | 0   |             | 68     | 116  | 20  |
| 4-Nitroaniline                    | 1900  |                  | 1400   | ug/Kg | 74  |             | 7   |             | 55     | 120  | 20  |
| 4,6-Dinitro-2-methylphenol        | 1900  |                  | 1600   | ug/Kg | 84  |             | 6   |             | 32     | 145  | 20  |
| N-Nitrosodiphenylamine            | 1900  |                  | 1600   | ug/Kg | 84  |             | 6   |             | 73     | 118  | 20  |
| Azobenzene                        | 1900  |                  | 1400   | ug/Kg | 74  |             | 7   |             | 73     | 110  | 20  |
| 4-Bromophenyl-phenylether         | 1900  |                  | 1600   | ug/Kg | 84  |             | 0   |             | 65     | 121  | 20  |
| Hexachlorobenzene                 | 1900  |                  | 1600   | ug/Kg | 84  |             | 0   |             | 67     | 118  | 20  |
| Atrazine                          | 1900  |                  | 1700   | ug/Kg | 89  |             | 0   |             | 79     | 127  | 20  |
| Pentachlorophenol                 | 3800  |                  | 2800   | ug/Kg | 74  |             | 0   |             | 47     | 128  | 20  |
| Phenanthrene                      | 1900  |                  | 1500   | ug/Kg | 79  |             | 0   |             | 72     | 113  | 20  |
| Anthracene                        | 1900  |                  | 1500   | ug/Kg | 79  |             | 0   |             | 62     | 124  | 20  |
| Carbazole                         | 1900  |                  | 1500   | ug/Kg | 79  |             | 0   |             | 59     | 119  | 20  |
| Di-n-butylphthalate               | 1900  |                  | 1600   | ug/Kg | 84  |             | 0   |             | 69     | 118  | 20  |
| Fluoranthene                      | 1900  |                  | 1300   | ug/Kg | 68  |             | 8   |             | 59     | 125  | 20  |
| Benzidine                         | 3800  |                  | 1800   | ug/Kg | 47  |             | 6   |             | 10     | 119  | 20  |
| Pyrene                            | 1900  |                  | 1400   | ug/Kg | 74  |             | 7   |             | 52     | 128  | 20  |
| Butylbenzylphthalate              | 1900  |                  | 2000   | ug/Kg | 105 |             | 6   |             | 64     | 126  | 20  |
| 3,3-Dichlorobenzidine             | 1900  |                  | 1200   | ug/Kg | 63  |             | 0   |             | 10     | 164  | 20  |
| Benzo(a)anthracene                | 1900  |                  | 1500   | ug/Kg | 79  |             | 6   |             | 71     | 114  | 20  |
| Chrysene                          | 1900  |                  | 1600   | ug/Kg | 84  |             | 0   |             | 57     | 121  | 20  |
| bis(2-Ethylhexyl)phthalate        | 1900  |                  | 2000   | ug/Kg | 105 |             | 6   |             | 66     | 127  | 20  |
| Di-n-octyl phthalate              | 1900  |                  | 1900   | ug/Kg | 100 |             | 0   |             | 71     | 126  | 20  |
| Benzo(b)fluoranthene              | 1900  |                  | 1600   | ug/Kg | 84  |             | 6   |             | 67     | 121  | 20  |
| Benzo(k)fluoranthene              | 1900  |                  | 1400   | ug/Kg | 74  |             | 7   |             | 74     | 114  | 20  |
| Benzo(a)pyrene                    | 1900  |                  | 1500   | ug/Kg | 79  |             | 0   |             | 70     | 142  | 20  |
| Indeno(1,2,3-cd)pyrene            | 1900  |                  | 1500   | ug/Kg | 79  |             | 0   |             | 61     | 125  | 20  |
| Dibenz(a,h)anthracene             | 1900  |                  | 1400   | ug/Kg | 74  |             | 7   |             | 67     | 130  | 20  |
| Benzo(g,h,i)perylene              | 1900  |                  | 1300   | ug/Kg | 68  |             | 0   |             | 53     | 140  | 20  |
| 1,2,4,5-Tetrachlorobenzene        | 1900  |                  | 1500   | ug/Kg | 79  |             | 6   |             | 69     | 124  | 20  |
| 1,4-Dioxane                       | 1900  |                  | 1400   | ug/Kg | 74  |             | 0   |             | 46     | 112  | 20  |
| 2,3,4,6-Tetrachlorophenol         | 1900  |                  | 1500   | ug/Kg | 79  |             | 0   |             | 56     | 133  | 20  |
| 1-Methylnaphthalene               | 1900  |                  | 1400   | ug/Kg | 74  |             | 0   |             | 70     | 130  | 20  |



Surrogate Summary  
SW-846

SDG No.: BF030724

Client:

Analytical Method: 8270E

| Lab Sample ID | Client ID  | Datafile   | Parameter            | Spike<br>(PPM) | Result<br>(PPM) | Recovery (%) | Qual | Limits (%) |      |
|---------------|------------|------------|----------------------|----------------|-----------------|--------------|------|------------|------|
|               |            |            |                      |                |                 |              |      | Low        | High |
| PB159470BL    | PB159470BL | BF137527.D | 2-Fluorophenol       | 150            | 113.28          | 76           |      | 18         | 112  |
|               |            |            | Phenol-d6            | 150            | 111.50          | 74           |      | 15         | 107  |
|               |            |            | Nitrobenzene-d5      | 100            | 76.13           | 76           |      | 18         | 107  |
|               |            |            | 2-Fluorobiphenyl     | 100            | 73.48           | 73           |      | 20         | 109  |
|               |            |            | 2,4,6-Tribromophenol | 150            | 134.61          | 90           |      | 10         | 110  |
|               |            |            | Terphenyl-d14        | 100            | 66.81           | 67           |      | 14         | 112  |
| PB159470BS    | PB159470BS | BF137528.D | 2-Fluorophenol       | 150            | 125.59          | 84           |      | 18         | 112  |
|               |            |            | Phenol-d6            | 150            | 121.38          | 81           |      | 15         | 107  |
|               |            |            | Nitrobenzene-d5      | 100            | 83.19           | 83           |      | 18         | 107  |
|               |            |            | 2-Fluorobiphenyl     | 100            | 79.58           | 80           |      | 20         | 109  |
|               |            |            | 2,4,6-Tribromophenol | 150            | 150.19          | 100          |      | 10         | 110  |
|               |            |            | Terphenyl-d14        | 100            | 86.40           | 86           |      | 14         | 112  |

## Surrogate Summary

SW-846

SDG No.: **BF030724**

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

Analytical Method: **8270E**

| Lab Sample ID | Client ID  | Datafile   | Parameter            | Spike<br>(PPM) | Result<br>(PPM) | Recovery (%) | Qual | Limits (%) |      |
|---------------|------------|------------|----------------------|----------------|-----------------|--------------|------|------------|------|
|               |            |            |                      |                |                 |              |      | Low        | High |
| P1688-01      | COMP-1     | BF137537.D | 2-Fluorophenol       | 150            | 91.34           | 61           |      | 18         | 112  |
|               |            |            | Phenol-d6            | 150            | 85.79           | 57           |      | 15         | 107  |
|               |            |            | Nitrobenzene-d5      | 100            | 58.64           | 59           |      | 18         | 107  |
|               |            |            | 2-Fluorobiphenyl     | 100            | 60.53           | 61           |      | 20         | 109  |
|               |            |            | 2,4,6-Tribromophenol | 150            | 77.71           | 52           |      | 10         | 110  |
|               |            |            | Terphenyl-d14        | 100            | 42.10           | 42           |      | 14         | 112  |
| P1688-02      | COMP-2     | BF137531.D | 2-Fluorophenol       | 150            | 69.76           | 47           |      | 18         | 112  |
|               |            |            | Phenol-d6            | 150            | 66.10           | 44           |      | 15         | 107  |
|               |            |            | Nitrobenzene-d5      | 100            | 45.49           | 45           |      | 18         | 107  |
|               |            |            | 2-Fluorobiphenyl     | 100            | 47.20           | 47           |      | 20         | 109  |
|               |            |            | 2,4,6-Tribromophenol | 150            | 65.55           | 44           |      | 10         | 110  |
|               |            |            | Terphenyl-d14        | 100            | 44.68           | 45           |      | 14         | 112  |
| P1688-02MS    | COMP-2MS   | BF137532.D | 2-Fluorophenol       | 150            | 74.53           | 50           |      | 18         | 112  |
|               |            |            | Phenol-d6            | 150            | 70.43           | 47           |      | 15         | 107  |
|               |            |            | Nitrobenzene-d5      | 100            | 49.55           | 50           |      | 18         | 107  |
|               |            |            | 2-Fluorobiphenyl     | 100            | 50.07           | 50           |      | 20         | 109  |
|               |            |            | 2,4,6-Tribromophenol | 150            | 75.78           | 51           |      | 10         | 110  |
|               |            |            | Terphenyl-d14        | 100            | 50.63           | 51           |      | 14         | 112  |
| P1688-02MSD   | COMP-2MSD  | BF137533.D | 2-Fluorophenol       | 150            | 72.43           | 48           |      | 18         | 112  |
|               |            |            | Phenol-d6            | 150            | 69.25           | 46           |      | 15         | 107  |
|               |            |            | Nitrobenzene-d5      | 100            | 48.93           | 49           |      | 18         | 107  |
|               |            |            | 2-Fluorobiphenyl     | 100            | 48.22           | 48           |      | 20         | 109  |
|               |            |            | 2,4,6-Tribromophenol | 150            | 72.81           | 49           |      | 10         | 110  |
|               |            |            | Terphenyl-d14        | 100            | 49.02           | 49           |      | 14         | 112  |
| P1688-03      | COMP-3     | BF137534.D | 2-Fluorophenol       | 150            | 71.58           | 48           |      | 18         | 112  |
|               |            |            | Phenol-d6            | 150            | 66.18           | 44           |      | 15         | 107  |
|               |            |            | Nitrobenzene-d5      | 100            | 45.83           | 46           |      | 18         | 107  |
|               |            |            | 2-Fluorobiphenyl     | 100            | 47.24           | 47           |      | 20         | 109  |
|               |            |            | 2,4,6-Tribromophenol | 150            | 61.86           | 41           |      | 10         | 110  |
|               |            |            | Terphenyl-d14        | 100            | 40.65           | 41           |      | 14         | 112  |
| P1688-04      | COMP-4     | BF137535.D | 2-Fluorophenol       | 150            | 92.49           | 62           |      | 18         | 112  |
|               |            |            | Phenol-d6            | 150            | 88.59           | 59           |      | 15         | 107  |
|               |            |            | Nitrobenzene-d5      | 100            | 61.64           | 62           |      | 18         | 107  |
|               |            |            | 2-Fluorobiphenyl     | 100            | 59.84           | 60           |      | 20         | 109  |
|               |            |            | 2,4,6-Tribromophenol | 150            | 84.12           | 56           |      | 10         | 110  |
|               |            |            | Terphenyl-d14        | 100            | 50.28           | 50           |      | 14         | 112  |
| P1688-05      | COMP-5     | BF137536.D | 2-Fluorophenol       | 150            | 83.69           | 56           |      | 18         | 112  |
|               |            |            | Phenol-d6            | 150            | 77.91           | 52           |      | 15         | 107  |
|               |            |            | Nitrobenzene-d5      | 100            | 52.32           | 52           |      | 18         | 107  |
|               |            |            | 2-Fluorobiphenyl     | 100            | 50.94           | 51           |      | 20         | 109  |
|               |            |            | 2,4,6-Tribromophenol | 150            | 73.16           | 49           |      | 10         | 110  |
|               |            |            | Terphenyl-d14        | 100            | 43.45           | 43           |      | 14         | 112  |
| PB159489BL    | PB159489BL | BF137529.D | 2-Fluorophenol       | 150            | 116.60          | 78           |      | 18         | 112  |
|               |            |            | Phenol-d6            | 150            | 112.18          | 75           |      | 15         | 107  |
|               |            |            | Nitrobenzene-d5      | 100            | 76.01           | 76           |      | 18         | 107  |
|               |            |            | 2-Fluorobiphenyl     | 100            | 74.19           | 74           |      | 20         | 109  |
|               |            |            | 2,4,6-Tribromophenol | 150            | 137.27          | 92           |      | 10         | 110  |
|               |            |            | Terphenyl-d14        | 100            | 66.06           | 66           |      | 14         | 112  |
| PB159489BS    | PB159489BS | BF137530.D | 2-Fluorophenol       | 150            | 126.38          | 84           |      | 18         | 112  |
|               |            |            | Phenol-d6            | 150            | 120.79          | 81           |      | 15         | 107  |
|               |            |            | Nitrobenzene-d5      | 100            | 83.82           | 84           |      | 18         | 107  |



Surrogate Summary  
SW-846

SDG No.: BF030724

Client:

Analytical Method: 8270E

| Lab Sample ID | Client ID  | Datafile   | Parameter            | Spike<br>(PPM) | Result<br>(PPM) | Recovery (%) | Qual | Limits (%) |      |
|---------------|------------|------------|----------------------|----------------|-----------------|--------------|------|------------|------|
|               |            |            |                      |                |                 |              |      | Low        | High |
| PB159489BS    | PB159489BS | BF137530.D | 2-Fluorobiphenyl     | 100            | 79.63           | 80           |      | 20         | 109  |
|               |            |            | 2,4,6-Tribromophenol | 150            | 153.07          | 102          |      | 10         | 110  |
|               |            |            | Terphenyl-d14        | 100            | 87.44           | 87           |      | 14         | 112  |



5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK  
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)Lab Name: CHEMTECHContract: BF030724Lab Code: CHEMSAS No.: BF030724 SDG NO.: BF030724Lab File ID: BF137525.DDFTPP Injection Date: 03/07/2024Instrument ID: BNA\_FDFTPP Injection Time: 12:40

| m/e | ION ABUNDANCE CRITERIA             | % RELATIVE ABUNDANCE |
|-----|------------------------------------|----------------------|
| 51  | 10.0 - 80.0% of mass 198           | 33.5                 |
| 68  | Less than 2.0% of mass 69          | 0.6 ( 1.7 ) 1        |
| 69  | Mass 69 relative abundance         | 33.2                 |
| 70  | Less than 2.0% of mass 69          | 0.2 ( 0.7 ) 1        |
| 127 | 10.0 - 80.0% of mass 198           | 39.5                 |
| 197 | Less than 2.0% of mass 198         | 0.6                  |
| 198 | Base Peak, 100% relative abundance | 100                  |
| 199 | 5.0 to 9.0% of mass 198            | 6.1                  |
| 275 | 10.0 - 60.0% of mass 198           | 24.4                 |
| 365 | Greater than 1% of mass 198        | 3.2                  |
| 441 | Present, but less than mass 443    | 16                   |
| 442 | Greater than 50% of mass 198       | 100                  |
| 443 | 15.0 - 24.0% of mass 442           | 19.8 ( 19.8 ) 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       | BF137526.D     | 03/07/2024       | 13:11            |
| PB159470BL        | PB159470BL       | BF137527.D     | 03/07/2024       | 13:41            |
| PB159470BS        | PB159470BS       | BF137528.D     | 03/07/2024       | 14:11            |
| PB159489BL        | PB159489BL       | BF137529.D     | 03/07/2024       | 14:41            |
| PB159489BS        | PB159489BS       | BF137530.D     | 03/07/2024       | 15:13            |
| COMP-2            | P1688-02         | BF137531.D     | 03/07/2024       | 15:47            |
| COMP-2MS          | P1688-02MS       | BF137532.D     | 03/07/2024       | 16:17            |
| COMP-2MSD         | P1688-02MSD      | BF137533.D     | 03/07/2024       | 16:48            |
| COMP-3            | P1688-03         | BF137534.D     | 03/07/2024       | 17:18            |
| COMP-4            | P1688-04         | BF137535.D     | 03/07/2024       | 17:49            |
| COMP-5            | P1688-05         | BF137536.D     | 03/07/2024       | 18:19            |
| COMP-1            | P1688-01         | BF137537.D     | 03/07/2024       | 18:50            |