

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

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

Lab Code: CHEM Case No.: BG071024 SAS No.: BG071024 SDG No.: BG071024

Instrument ID: BNA\_G Calibration Date/Time: 7/10/2024 1:09:39

Lab File ID: BG061991.D Init. Calib. Date(s): \_\_\_\_\_

EPA Sample No.: SSTD020564 Init. Calib. Time(s): \_\_\_\_\_

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

| COMPOUND                    | RRF   | RRFCAL | MIN RRF | %D       | MAX%D |
|-----------------------------|-------|--------|---------|----------|-------|
| 1,4-Dioxane                 | 0.587 | 0.619  | 0.010   | 5.3361   | 40.0  |
| Benzaldehyde                | 1.158 | 1.280  | 0.010   | 10.5109  | 40.0  |
| Pyridine                    | 1.678 | 1.547  | 0.010   | -7.7971  | 40.0  |
| Phenol                      | 2.241 | 2.237  | 0.080   | -0.1576  | 20.0  |
| Bis(2-Chloroethyl)ether     | 1.721 | 1.569  | 0.100   | -8.864   | 20.0  |
| 2-Chlorophenol              | 1.530 | 1.549  | 0.200   | 1.294    | 20.0  |
| 2-Methylphenol              | 1.599 | 1.605  | 0.010   | 0.3476   | 20.0  |
| 2,2-oxybis(1-Chloropropane) | 3.761 | 3.203  | 0.010   | -14.843  | 40.0  |
| Acetophenone                | 2.847 | 2.748  | 0.060   | -3.4601  | 20.0  |
| 4-Methylphenol              | 1.791 | 1.866  | 0.010   | 4.1911   | 20.0  |
| N-Nitroso-di-n-propylamine  | 1.594 | 1.491  | 0.050   | -6.4617  | 30.0  |
| Hexachloroethane            | 0.664 | 0.648  | 0.100   | -2.3129  | 20.0  |
| Nitrobenzene                | 0.432 | 0.434  | 0.050   | 0.609    | 25.0  |
| Isophorone                  | 0.975 | 0.843  | 0.050   | -13.5606 | 25.0  |
| 2-Nitrophenol               | 0.177 | 0.176  | 0.050   | -0.7994  | 25.0  |
| 2,4-Dimethylphenol          | 0.424 | 0.427  | 0.050   | 0.7887   | 25.0  |
| Bis(2-Chloroethoxy)methane  | 0.537 | 0.454  | 0.050   | -15.4273 | 20.0  |
| 2,4-Dichlorophenol          | 0.315 | 0.325  | 0.060   | 3.3894   | 20.0  |
| Naphthalene                 | 1.099 | 1.076  | 0.200   | -2.0851  | 20.0  |
| 4-Chloroaniline             | 0.477 | 0.482  | 0.010   | 1.0488   | 40.0  |
| Hexachlorobutadiene         | 0.237 | 0.270  | 0.040   | 13.8386  | 30.0  |
| Caprolactam                 | 0.123 | 0.126  | 0.010   | 1.8674   | 40.0  |
| 4-Chloro-3-methylphenol     | 0.419 | 0.443  | 0.040   | 5.7571   | 25.0  |
| 1-Methylnaphthalene         | 0.827 | 0.870  | 0.100   | 5.1572   | 20.0  |
| 2-Methylnaphthalene         | 0.796 | 0.820  | 0.100   | 3.0353   | 20.0  |
| Hexachlorocyclopentadiene   | 0.400 | 0.266  | 0.010   | -33.3638 | 40.0  |
| 2,4,6-Trichlorophenol       | 0.399 | 0.376  | 0.090   | -5.6477  | 25.0  |
| 2,4,5-Trichlorophenol       | 0.438 | 0.415  | 0.100   | -5.3752  | 25.0  |
| 1,1-Biphenyl                | 1.541 | 1.420  | 0.200   | -7.8349  | 20.0  |
| 2-Chloronaphthalene         | 1.157 | 1.110  | 0.300   | -4.0379  | 20.0  |
| 2-Nitroaniline              | 0.463 | 0.478  | 0.050   | 3.2478   | 40.0  |
| Dimethylphthalate           | 1.582 | 1.435  | 0.300   | -9.274   | 20.0  |
| 2,6-Dinitrotoluene          | 0.300 | 0.313  | 0.080   | 4.2613   | 30.0  |
| Acenaphthylene              | 1.887 | 1.820  | 0.400   | -3.5551  | 20.0  |
| 3-Nitroaniline              | 0.292 | 0.290  | 0.010   | -0.6871  | 40.0  |
| Acenaphthene                | 1.303 | 1.241  | 0.200   | -4.7906  | 20.0  |
| 2,4-Dinitrophenol           | 0.157 | 0.138  | 0.010   | -12.1152 | 40.0  |
| 4-Nitrophenol               | 0.300 | 0.294  | 0.010   | -2.0546  | 40.0  |
| Dibenzofuran                | 1.842 | 1.760  | 0.300   | -4.445   | 20.0  |

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: \_\_\_\_\_  
Lab Code: CHEM Case No.: BG071024 SAS No.: BG071024 SDG No.: BG071024  
Instrument ID: BNA\_G Calibration Date/Time: 7/10/2024 1:09:39  
Lab File ID: BG061991.D Init. Calib. Date(s): \_\_\_\_\_  
EPA Sample No.: SSTD020564 Init. Calib. Time(s): \_\_\_\_\_  
GC Column: ZB-GR ID: 0.25 (mm)

| COMPOUND                      | RRF   | RRFCAL | MIN RRF | %D       | MAX%D |
|-------------------------------|-------|--------|---------|----------|-------|
| 2,4-Dinitrotoluene            | 0.440 | 0.479  | 0.070   | 8.7954   | 30.0  |
| Diethylphthalate              | 1.704 | 1.564  | 0.300   | -8.2053  | 20.0  |
| Fluorene                      | 1.566 | 1.475  | 0.200   | -5.8428  | 20.0  |
| 4-Chlorophenyl-phenylether    | 0.787 | 0.766  | 0.100   | -2.6534  | 20.0  |
| 4-Nitroaniline                | 0.296 | 0.303  | 0.010   | 2.4077   | 40.0  |
| 4,6-Dinitro-2-methylphenol    | 0.113 | 0.108  | 0.010   | -4.4397  | 40.0  |
| N-Nitrosodiphenylamine        | 0.546 | 0.529  | 0.050   | -3.2218  | 20.0  |
| 1,2,4,5-Tetrachlorobenzene    | 0.601 | 0.565  | 0.100   | -5.8757  | 20.0  |
| 4-Bromophenyl-phenylether     | 0.227 | 0.223  | 0.070   | -1.8434  | 20.0  |
| Hexachlorobenzene             | 0.261 | 0.267  | 0.050   | 2.352    | 25.0  |
| Atrazine                      | 0.216 | 0.218  | 0.010   | 1.0124   | 25.0  |
| Pentachlorophenol             | 0.143 | 0.122  | 0.010   | -14.7088 | 40.0  |
| Phenanthrene                  | 1.055 | 0.995  | 0.200   | -5.6147  | 20.0  |
| Pentachlorobenzene            | 0.283 | 0.292  | 0.050   | 3.2381   | 20.0  |
| Anthracene                    | 1.090 | 1.030  | 0.200   | -5.5223  | 20.0  |
| 1,2,3,4-Tetrachlorobenzene    | 0.248 | 0.253  | 0.050   | 1.7481   | 20.0  |
| Carbazole                     | 0.917 | 0.890  | 0.050   | -2.9558  | 40.0  |
| Di-n-butylphthalate           | 1.178 | 1.071  | 0.500   | -9.0774  | 25.0  |
| Fluoranthene                  | 1.392 | 1.299  | 0.400   | -6.6651  | 25.0  |
| Pyrene                        | 1.438 | 1.364  | 0.400   | -5.1589  | 25.0  |
| Butylbenzylphthalate          | 0.604 | 0.517  | 0.100   | -14.4181 | 40.0  |
| 3,3-Dichlorobenzidine         | 0.476 | 0.512  | 0.010   | 7.6818   | 40.0  |
| Benzo (a) anthracene          | 1.448 | 1.404  | 0.300   | -3.0422  | 30.0  |
| Chrysene                      | 1.356 | 1.288  | 0.200   | -4.9516  | 30.0  |
| Bis (2-ethylhexyl) phthalate  | 0.866 | 0.759  | 0.200   | -12.3697 | 40.0  |
| Di-n-octyl phthalate          | 1.222 | 1.116  | 0.010   | -8.65    | 40.0  |
| Benzo (b) fluoranthene        | 1.260 | 1.160  | 0.200   | -7.929   | 25.0  |
| Benzo (k) fluoranthene        | 1.257 | 1.240  | 0.200   | -1.325   | 25.0  |
| Benzo (a) pyrene              | 1.193 | 1.159  | 0.200   | -2.856   | 20.0  |
| Indeno (1,2,3-cd) pyrene      | 1.525 | 1.487  | 0.200   | -2.508   | 25.0  |
| Dibenzo (a,h) anthracene      | 1.259 | 1.192  | 0.200   | -5.3522  | 30.0  |
| Benzo (g,h,i) perylene        | 1.213 | 1.138  | 0.200   | -6.1776  | 30.0  |
| 2,3,4,6-Tetrachlorophenol     | 0.396 | 0.382  | 0.040   | -3.5815  | 20.0  |
| 1,4-Dioxane-d8                | 0.532 | 0.444  | 0.010   | -16.6332 | 25.0  |
| Pyridine-d5                   | 1.636 | 1.387  | 0.010   | -15.2457 | 40.0  |
| Phenol-d5                     | 2.189 | 2.091  | 0.010   | -4.4508  | 25.0  |
| Bis- (2-Chloroethyl) ether-d8 | 1.386 | 1.179  | 0.050   | -14.9027 | 25.0  |
| 2-Chlorophenol-d4             | 1.501 | 1.476  | 0.200   | -1.6595  | 20.0  |
| 4-Methylphenol-d8             | 1.723 | 1.661  | 0.010   | -3.605   | 20.0  |

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 Lab Code: CHEM Case No.: BG071024 SAS No.: BG071024 SDG No.: BG071024  
 Instrument ID: BNA\_G Calibration Date/Time: 7/10/2024 1:09:39  
 Lab File ID: BG061991.D Init. Calib. Date(s): \_\_\_\_\_  
 EPA Sample No.: SSTD020564 Init. Calib. Time(s): \_\_\_\_\_  
 GC Column: ZB-GR ID: 0.25 (mm)

| COMPOUND                      | RRF   | RRFCAL | MIN<br>RRF | %D       | MAX%D |
|-------------------------------|-------|--------|------------|----------|-------|
| Nitrobenzene-d5               | 0.152 | 0.154  | 0.050      | 0.9771   | 20.0  |
| 2-Nitrophenol-d4              | 0.174 | 0.180  | 0.050      | 3.7164   | 30.0  |
| 2,4-Dichlorophenol-d3         | 0.335 | 0.363  | 0.060      | 8.3124   | 20.0  |
| 4-Chloroaniline-d4            | 0.486 | 0.487  | 0.010      | 0.1265   | 40.0  |
| Dimethylphthalate-d6          | 1.644 | 1.512  | 0.300      | -8.0709  | 20.0  |
| Acenaphthylene-d8             | 1.719 | 1.685  | 0.400      | -2.0114  | 20.0  |
| 4-Nitrophenol-d4              | 0.263 | 0.222  | 0.010      | -15.4243 | 40.0  |
| Fluorene-d10                  | 1.384 | 1.340  | 0.100      | -3.1678  | 20.0  |
| 4,6-Dinitro-2-methylphenol-d2 | 0.105 | 0.108  | 0.010      | 3.0635   | 40.0  |
| Anthracene-d10                | 0.934 | 0.887  | 0.300      | -5.0001  | 20.0  |
| Pyrene-d10                    | 1.176 | 1.090  | 0.300      | -7.3616  | 25.0  |
| Benzo(a)pyrene-d12            | 0.992 | 0.964  | 0.010      | -2.8357  | 20.0  |

All other compounds must meet a minimum RRF of 0.010.

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

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

Lab Code: CHEM Case No.: BG071024 SAS No.: BG071024 SDG No.: BG071024

Instrument ID: BNA\_G Calibration Date/Time: 7/10/2024 1:18:40

Lab File ID: BG062004.D Init. Calib. Date(s): \_\_\_\_\_

EPA Sample No.: SSTD020565 Init. Calib. Time(s): \_\_\_\_\_

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

| COMPOUND                    | RRF   | RRFCAL | MIN RRF | %D       | MAX%D |
|-----------------------------|-------|--------|---------|----------|-------|
| 1,4-Dioxane                 | 0.587 | 0.536  | 0.010   | -8.7908  | 50.0  |
| Benzaldehyde                | 1.158 | 1.243  | 0.010   | 7.3457   | 50.0  |
| Pyridine                    | 1.678 | 1.405  | 0.010   | -16.2575 | 50.0  |
| Phenol                      | 2.241 | 2.058  | 0.080   | -8.1543  | 50.0  |
| Bis(2-Chloroethyl) ether    | 1.721 | 1.469  | 0.100   | -14.6516 | 50.0  |
| 2-Chlorophenol              | 1.530 | 1.450  | 0.200   | -5.1959  | 50.0  |
| 2-Methylphenol              | 1.599 | 1.486  | 0.010   | -7.0745  | 50.0  |
| 2,2-oxybis(1-Chloropropane) | 3.761 | 3.174  | 0.010   | -15.6133 | 50.0  |
| Acetophenone                | 2.847 | 2.563  | 0.060   | -9.9733  | 50.0  |
| 4-Methylphenol              | 1.791 | 1.690  | 0.010   | -5.6225  | 50.0  |
| N-Nitroso-di-n-propylamine  | 1.594 | 1.359  | 0.050   | -14.7107 | 50.0  |
| Hexachloroethane            | 0.664 | 0.630  | 0.100   | -5.0998  | 50.0  |
| Nitrobenzene                | 0.432 | 0.427  | 0.050   | -1.1735  | 50.0  |
| Isophorone                  | 0.975 | 0.788  | 0.050   | -19.1706 | 50.0  |
| 2-Nitrophenol               | 0.177 | 0.173  | 0.050   | -2.5206  | 50.0  |
| 2,4-Dimethylphenol          | 0.424 | 0.403  | 0.050   | -4.8453  | 50.0  |
| Bis(2-Chloroethoxy) methane | 0.537 | 0.462  | 0.050   | -14.0148 | 50.0  |
| 2,4-Dichlorophenol          | 0.315 | 0.335  | 0.060   | 6.3313   | 50.0  |
| Naphthalene                 | 1.099 | 1.081  | 0.200   | -1.6192  | 50.0  |
| 4-Chloroaniline             | 0.477 | 0.437  | 0.010   | -8.454   | 50.0  |
| Hexachlorobutadiene         | 0.237 | 0.265  | 0.040   | 11.8544  | 50.0  |
| Caprolactam                 | 0.123 | 0.112  | 0.010   | -8.9986  | 50.0  |
| 4-Chloro-3-methylphenol     | 0.419 | 0.416  | 0.040   | -0.7993  | 50.0  |
| 1-Methylnaphthalene         | 0.827 | 0.804  | 0.100   | -2.7504  | 50.0  |
| 2-Methylnaphthalene         | 0.796 | 0.768  | 0.100   | -3.5099  | 50.0  |
| Hexachlorocyclopentadiene   | 0.400 | 0.197  | 0.010   | -50.7569 | 50.0  |
| 2,4,6-Trichlorophenol       | 0.399 | 0.385  | 0.090   | -3.6088  | 50.0  |
| 2,4,5-Trichlorophenol       | 0.438 | 0.425  | 0.100   | -3.0192  | 50.0  |
| 1,1-Biphenyl                | 1.541 | 1.489  | 0.200   | -3.3844  | 50.0  |
| 2-Chloronaphthalene         | 1.157 | 1.170  | 0.300   | 1.1504   | 50.0  |
| 2-Nitroaniline              | 0.463 | 0.480  | 0.050   | 3.5882   | 50.0  |
| Dimethylphthalate           | 1.582 | 1.417  | 0.300   | -10.374  | 50.0  |
| 2,6-Dinitrotoluene          | 0.300 | 0.292  | 0.080   | -2.5115  | 50.0  |
| Acenaphthylene              | 1.887 | 1.867  | 0.400   | -1.0411  | 50.0  |
| 3-Nitroaniline              | 0.292 | 0.272  | 0.010   | -6.9754  | 50.0  |
| Acenaphthene                | 1.303 | 1.290  | 0.200   | -0.9691  | 50.0  |
| 2,4-Dinitrophenol           | 0.157 | 0.107  | 0.010   | -31.65   | 50.0  |
| 4-Nitrophenol               | 0.300 | 0.286  | 0.010   | -4.6095  | 50.0  |
| Dibenzofuran                | 1.842 | 1.769  | 0.300   | -3.9254  | 50.0  |

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Lab Code: CHEM Case No.: BG071024 SAS No.: BG071024 SDG No.: BG071024

Instrument ID: BNA\_G Calibration Date/Time: 7/10/2024 1:18:40

Lab File ID: BG062004.D Init. Calib. Date(s): \_\_\_\_\_

EPA Sample No.: SSTD020565 Init. Calib. Time(s): \_\_\_\_\_

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

| COMPOUND                      | RRF   | RRFCAL | MIN RRF | %D       | MAX%D |
|-------------------------------|-------|--------|---------|----------|-------|
| 2,4-Dinitrotoluene            | 0.440 | 0.460  | 0.070   | 4.6078   | 50.0  |
| Diethylphthalate              | 1.704 | 1.560  | 0.300   | -8.4805  | 50.0  |
| Fluorene                      | 1.566 | 1.492  | 0.200   | -4.7114  | 50.0  |
| 4-Chlorophenyl-phenylether    | 0.787 | 0.760  | 0.100   | -3.3797  | 50.0  |
| 4-Nitroaniline                | 0.296 | 0.282  | 0.010   | -4.9843  | 50.0  |
| 4,6-Dinitro-2-methylphenol    | 0.113 | 0.104  | 0.010   | -8.3788  | 50.0  |
| N-Nitrosodiphenylamine        | 0.546 | 0.524  | 0.050   | -4.0033  | 50.0  |
| 1,2,4,5-Tetrachlorobenzene    | 0.601 | 0.643  | 0.100   | 7.1077   | 50.0  |
| 4-Bromophenyl-phenylether     | 0.227 | 0.237  | 0.070   | 4.5204   | 50.0  |
| Hexachlorobenzene             | 0.261 | 0.262  | 0.050   | 0.4086   | 50.0  |
| Atrazine                      | 0.216 | 0.218  | 0.010   | 1.2164   | 50.0  |
| Pentachlorophenol             | 0.143 | 0.109  | 0.010   | -23.7965 | 50.0  |
| Phenanthrene                  | 1.055 | 0.999  | 0.200   | -5.2319  | 50.0  |
| Pentachlorobenzene            | 0.283 | 0.322  | 0.050   | 13.8157  | 50.0  |
| Anthracene                    | 1.090 | 1.034  | 0.200   | -5.1389  | 50.0  |
| 1,2,3,4-Tetrachlorobenzene    | 0.248 | 0.277  | 0.050   | 11.682   | 50.0  |
| Carbazole                     | 0.917 | 0.875  | 0.050   | -4.6384  | 50.0  |
| Di-n-butylphthalate           | 1.178 | 1.088  | 0.500   | -7.6236  | 50.0  |
| Fluoranthene                  | 1.392 | 1.277  | 0.400   | -8.2704  | 50.0  |
| Pyrene                        | 1.438 | 1.326  | 0.400   | -7.7841  | 50.0  |
| Butylbenzylphthalate          | 0.604 | 0.548  | 0.100   | -9.1935  | 50.0  |
| 3,3-Dichlorobenzidine         | 0.476 | 0.537  | 0.010   | 12.9126  | 50.0  |
| Benzo (a) anthracene          | 1.448 | 1.386  | 0.300   | -4.2685  | 50.0  |
| Chrysene                      | 1.356 | 1.283  | 0.200   | -5.3633  | 50.0  |
| Bis(2-ethylhexyl)phthalate    | 0.866 | 0.791  | 0.200   | -8.705   | 50.0  |
| Di-n-octyl phthalate          | 1.222 | 1.134  | 0.010   | -7.1953  | 50.0  |
| Benzo (b) fluoranthene        | 1.260 | 1.190  | 0.200   | -5.5388  | 50.0  |
| Benzo (k) fluoranthene        | 1.257 | 1.202  | 0.200   | -4.3604  | 50.0  |
| Benzo (a) pyrene              | 1.193 | 1.137  | 0.200   | -4.7345  | 50.0  |
| Indeno (1,2,3-cd) pyrene      | 1.525 | 1.423  | 0.200   | -6.6722  | 50.0  |
| Dibenzo (a,h) anthracene      | 1.259 | 1.235  | 0.200   | -1.9474  | 50.0  |
| Benzo (g,h,i) perylene        | 1.213 | 1.093  | 0.200   | -9.9384  | 50.0  |
| 2,3,4,6-Tetrachlorophenol     | 0.396 | 0.356  | 0.040   | -9.9708  | 50.0  |
| 1,4-Dioxane-d8                | 0.532 | 0.479  | 0.010   | -9.9242  | 50.0  |
| Pyridine-d5                   | 1.636 | 1.379  | 0.010   | -15.7188 | 50.0  |
| Phenol-d5                     | 2.189 | 2.012  | 0.010   | -8.0881  | 50.0  |
| Bis- (2-Chloroethyl) ether-d8 | 1.386 | 1.165  | 0.050   | -15.9236 | 50.0  |
| 2-Chlorophenol-d4             | 1.501 | 1.431  | 0.200   | -4.6779  | 50.0  |
| 4-Methylphenol-d8             | 1.723 | 1.609  | 0.010   | -6.6444  | 50.0  |

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Lab Name: CHEMTECH Contract: \_\_\_\_\_  
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 Instrument ID: BNA\_G Calibration Date/Time: 7/10/2024 1:18:40  
 Lab File ID: BG062004.D Init. Calib. Date(s): \_\_\_\_\_  
 EPA Sample No.: SSTD020565 Init. Calib. Time(s): \_\_\_\_\_  
 GC Column: ZB-GR ID: 0.25 (mm)

| COMPOUND                      | RRF   | RRFCAL | MIN RRF | %D       | MAX%D |
|-------------------------------|-------|--------|---------|----------|-------|
| Nitrobenzene-d5               | 0.152 | 0.155  | 0.050   | 2.097    | 50.0  |
| 2-Nitrophenol-d4              | 0.174 | 0.178  | 0.050   | 2.2665   | 50.0  |
| 2,4-Dichlorophenol-d3         | 0.335 | 0.336  | 0.060   | 0.1699   | 50.0  |
| 4-Chloroaniline-d4            | 0.486 | 0.457  | 0.010   | -6.0351  | 50.0  |
| Dimethylphthalate-d6          | 1.644 | 1.507  | 0.300   | -8.3764  | 50.0  |
| Acenaphthylene-d8             | 1.719 | 1.710  | 0.400   | -0.5455  | 50.0  |
| 4-Nitrophenol-d4              | 0.263 | 0.218  | 0.010   | -17.1205 | 50.0  |
| Fluorene-d10                  | 1.384 | 1.330  | 0.100   | -3.9003  | 50.0  |
| 4,6-Dinitro-2-methylphenol-d2 | 0.105 | 0.098  | 0.010   | -6.4606  | 50.0  |
| Anthracene-d10                | 0.934 | 0.882  | 0.300   | -5.5135  | 50.0  |
| Pyrene-d10                    | 1.176 | 1.113  | 0.300   | -5.3951  | 50.0  |
| Benzo(a)pyrene-d12            | 0.992 | 0.958  | 0.010   | -3.4036  | 50.0  |

All other compounds must meet a minimum RRF of 0.010.

## Report of Analysis

|                    |              |                 |                      |
|--------------------|--------------|-----------------|----------------------|
| Client:            |              | Date Collected: | 7/3/2024 12:00:00 AM |
| Project:           |              | Date Received:  | 7/3/2024 12:00:00 AM |
| Client Sample ID:  | SBLK916      | SDG No.:        | BG071024             |
| Lab Sample ID:     | PB161916BL   | Matrix:         | Solid                |
| Analytical Method: | SFAM_SVOC    | % Moisture:     | 0                    |
| Sample Wt/Vol:     | 30 Units: g  | Final Vol:      | 500 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 |
| BG061992.D        | 1         | 7/3/2024 12:00:00 AM | 7/10/2024 12:00:00 AM | PB161916      |

| CAS Number     | Parameter                   | Conc. | Qualifier | MDL | LOD  | LOQ / CRQL | Units |
|----------------|-----------------------------|-------|-----------|-----|------|------------|-------|
| <b>TARGETS</b> |                             |       |           |     |      |            |       |
| 123-91-1       | 1,4-Dioxane                 | 27    | U         | 27  | 6.6  | 67         | ug/Kg |
| 100-52-7       | Benzaldehyde                | 58    | U         | 58  | 82.5 | 330        | ug/Kg |
| 110-86-1       | Pyridine                    | 77    | U         | 77  | 170  | 330        | ug/Kg |
| 108-95-2       | Phenol                      | 30    | U         | 30  | 82.5 | 330        | ug/Kg |
| 111-44-4       | Bis(2-Chloroethyl)ether     | 29    | U         | 29  | 82.5 | 330        | ug/Kg |
| 95-57-8        | 2-Chlorophenol              | 28    | U         | 28  | 42.5 | 170        | ug/Kg |
| 95-48-7        | 2-Methylphenol              | 31    | U         | 31  | 82.5 | 330        | ug/Kg |
| 108-60-1       | 2,2-oxybis(1-Chloropropane) | 40    | U         | 40  | 82.5 | 330        | ug/Kg |
| 98-86-2        | Acetophenone                | 66    | U         | 66  | 82.5 | 330        | ug/Kg |
| 106-44-5       | 4-Methylphenol              | 53    | U         | 53  | 82.5 | 330        | ug/Kg |
| 621-64-7       | N-Nitroso-di-n-propylamine  | 79    | U         | 79  | 42.5 | 170        | ug/Kg |
| 67-72-1        | Hexachloroethane            | 61    | U         | 61  | 42.5 | 170        | ug/Kg |
| 98-95-3        | Nitrobenzene                | 64    | U         | 64  | 42.5 | 170        | ug/Kg |
| 78-59-1        | Isophorone                  | 66    | U         | 66  | 42.5 | 170        | ug/Kg |
| 88-75-5        | 2-Nitrophenol               | 60    | U         | 60  | 42.5 | 170        | ug/Kg |
| 105-67-9       | 2,4-Dimethylphenol          | 32    | U         | 32  | 42.5 | 170        | ug/Kg |
| 111-91-1       | Bis(2-Chloroethoxy)methane  | 45    | U         | 45  | 42.5 | 170        | ug/Kg |
| 120-83-2       | 2,4-Dichlorophenol          | 38    | U         | 38  | 42.5 | 170        | ug/Kg |
| 91-20-3        | Naphthalene                 | 24    | U         | 24  | 42.5 | 170        | ug/Kg |
| 106-47-8       | 4-Chloroaniline             | 36    | U         | 36  | 42.5 | 330        | ug/Kg |
| 87-68-3        | Hexachlorobutadiene         | 35    | U         | 35  | 42.5 | 170        | ug/Kg |
| 105-60-2       | Caprolactam                 | 64    | U         | 64  | 82.5 | 330        | ug/Kg |
| 59-50-7        | 4-Chloro-3-methylphenol     | 41    | U         | 41  | 42.5 | 170        | ug/Kg |
| 90-12-0        | 1-Methylnaphthalene         | 24    | U         | 24  | 42.5 | 170        | ug/Kg |
| 91-57-6        | 2-Methylnaphthalene         | 32    | U         | 32  | 42.5 | 170        | ug/Kg |
| 77-47-4        | Hexachlorocyclopentadiene   | 97    | U         | 97  | 82.5 | 330        | ug/Kg |
| 88-06-2        | 2,4,6-Trichlorophenol       | 24    | U         | 24  | 42.5 | 170        | ug/Kg |
| 95-95-4        | 2,4,5-Trichlorophenol       | 33    | U         | 33  | 42.5 | 170        | ug/Kg |

## Report of Analysis

|                    |              |                 |                      |
|--------------------|--------------|-----------------|----------------------|
| Client:            |              | Date Collected: | 7/3/2024 12:00:00 AM |
| Project:           |              | Date Received:  | 7/3/2024 12:00:00 AM |
| Client Sample ID:  | SBLK916      | SDG No.:        | BG071024             |
| Lab Sample ID:     | PB161916BL   | Matrix:         | Solid                |
| Analytical Method: | SFAM_SVOC    | % Moisture:     | 0                    |
| Sample Wt/Vol:     | 30 Units: g  | Final Vol:      | 500 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 |
| BG061992.D        | 1         | 7/3/2024 12:00:00 AM | 7/10/2024 12:00:00 AM | PB161916      |

| CAS Number | Parameter                  | Conc. | Qualifier | MDL | LOD  | LOQ / CRQL | Units |
|------------|----------------------------|-------|-----------|-----|------|------------|-------|
| 92-52-4    | 1,1-Biphenyl               | 26    | U         | 26  | 42.5 | 170        | ug/Kg |
| 91-58-7    | 2-Chloronaphthalene        | 33    | U         | 33  | 42.5 | 170        | ug/Kg |
| 88-74-4    | 2-Nitroaniline             | 45    | U         | 45  | 42.5 | 170        | ug/Kg |
| 131-11-3   | Dimethylphthalate          | 30    | U         | 30  | 42.5 | 170        | ug/Kg |
| 606-20-2   | 2,6-Dinitrotoluene         | 20    | U         | 20  | 42.5 | 170        | ug/Kg |
| 208-96-8   | Acenaphthylene             | 29    | U         | 29  | 42.5 | 170        | ug/Kg |
| 99-09-2    | 3-Nitroaniline             | 66    | U         | 66  | 82.5 | 330        | ug/Kg |
| 83-32-9    | Acenaphthene               | 26    | U         | 26  | 42.5 | 170        | ug/Kg |
| 51-28-5    | 2,4-Dinitrophenol          | 130   | U         | 130 | 82.5 | 330        | ug/Kg |
| 100-02-7   | 4-Nitrophenol              | 44    | U         | 44  | 82.5 | 330        | ug/Kg |
| 132-64-9   | Dibenzofuran               | 27    | U         | 27  | 42.5 | 170        | ug/Kg |
| 121-14-2   | 2,4-Dinitrotoluene         | 35    | U         | 35  | 42.5 | 170        | ug/Kg |
| 84-66-2    | Diethylphthalate           | 33    | U         | 33  | 42.5 | 170        | ug/Kg |
| 86-73-7    | Fluorene                   | 27    | U         | 27  | 42.5 | 170        | ug/Kg |
| 7005-72-3  | 4-Chlorophenyl-phenylether | 20    | U         | 20  | 42.5 | 170        | ug/Kg |
| 100-01-6   | 4-Nitroaniline             | 24    | U         | 24  | 82.5 | 330        | ug/Kg |
| 534-52-1   | 4,6-Dinitro-2-methylphenol | 38    | U         | 38  | 82.5 | 330        | ug/Kg |
| 86-30-6    | N-Nitrosodiphenylamine     | 24    | U         | 24  | 42.5 | 170        | ug/Kg |
| 95-94-3    | 1,2,4,5-Tetrachlorobenzene | 34    | U         | 34  | 42.5 | 170        | ug/Kg |
| 101-55-3   | 4-Bromophenyl-phenylether  | 26    | U         | 26  | 42.5 | 170        | ug/Kg |
| 118-74-1   | Hexachlorobenzene          | 28    | U         | 28  | 42.5 | 170        | ug/Kg |
| 1912-24-9  | Atrazine                   | 28    | U         | 28  | 82.5 | 330        | ug/Kg |
| 87-86-5    | Pentachlorophenol          | 88    | U         | 88  | 82.5 | 330        | ug/Kg |
| 85-01-8    | Phenanthrene               | 27    | U         | 27  | 42.5 | 170        | ug/Kg |
| 608-93-5   | Pentachlorobenzene         | 37    | U         | 37  | 42.5 | 170        | ug/Kg |
| 120-12-7   | Anthracene                 | 25    | U         | 25  | 42.5 | 170        | ug/Kg |
| 634-66-2   | 1,2,3,4-Tetrachlorobenzene | 17    | U         | 17  | 42.5 | 170        | ug/Kg |
| 86-74-8    | Carbazole                  | 34    | U         | 34  | 82.5 | 330        | ug/Kg |
| 84-74-2    | Di-n-butylphthalate        | 27    | U         | 27  | 42.5 | 170        | ug/Kg |
| 206-44-0   | Fluoranthene               | 19    | U         | 19  | 82.5 | 170        | ug/Kg |



## Report of Analysis

|                    |              |                 |                      |
|--------------------|--------------|-----------------|----------------------|
| Client:            |              | Date Collected: | 7/3/2024 12:00:00 AM |
| Project:           |              | Date Received:  | 7/3/2024 12:00:00 AM |
| Client Sample ID:  | SBLK916      | SDG No.:        | BG071024             |
| Lab Sample ID:     | PB161916BL   | Matrix:         | Solid                |
| Analytical Method: | SFAM_SVOC    | % Moisture:     | 0                    |
| Sample Wt/Vol:     | 30 Units: g  | Final Vol:      | 500 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 |
| BG061992.D        | 1         | 7/3/2024 12:00:00 AM | 7/10/2024 12:00:00 AM | PB161916      |

| CAS Number        | Parameter                   | Conc.  | Qualifier | MDL    | LOD  | LOQ / CRQL | Units    |
|-------------------|-----------------------------|--------|-----------|--------|------|------------|----------|
| 129-00-0          | Pyrene                      | 18     | U         | 18     | 42.5 | 170        | ug/Kg    |
| 85-68-7           | Butylbenzylphthalate        | 22     | U         | 22     | 42.5 | 170        | ug/Kg    |
| 91-94-1           | 3,3-Dichlorobenzidine       | 52     | U         | 52     | 82.5 | 330        | ug/Kg    |
| 56-55-3           | Benzo(a)anthracene          | 23     | U         | 23     | 42.5 | 170        | ug/Kg    |
| 218-01-9          | Chrysene                    | 24     | U         | 24     | 42.5 | 170        | ug/Kg    |
| 117-81-7          | Bis(2-ethylhexyl)phthalate  | 25     | U         | 25     | 42.5 | 170        | ug/Kg    |
| 117-84-0          | Di-n-octyl phthalate        | 48     | U         | 48     | 82.5 | 330        | ug/Kg    |
| 205-99-2          | Benzo(b)fluoranthene        | 37     | U         | 37     | 42.5 | 170        | ug/Kg    |
| 207-08-9          | Benzo(k)fluoranthene        | 38     | U         | 38     | 42.5 | 170        | ug/Kg    |
| 50-32-8           | Benzo(a)pyrene              | 31     | U         | 31     | 42.5 | 170        | ug/Kg    |
| 193-39-5          | Indeno(1,2,3-cd)pyrene      | 28     | U         | 28     | 42.5 | 170        | ug/Kg    |
| 53-70-3           | Dibenzo(a,h)anthracene      | 26     | U         | 26     | 42.5 | 170        | ug/Kg    |
| 191-24-2          | Benzo(g,h,i)perylene        | 32     | U         | 32     | 42.5 | 170        | ug/Kg    |
| 58-90-2           | 2,3,4,6-Tetrachlorophenol   | 36     | U         | 36     | 42.5 | 170        | ug/Kg    |
| <b>SURROGATES</b> |                             |        |           |        |      |            |          |
| 17647-74-4        | 1,4-Dioxane-d8              | 3.779  |           | 15-120 |      | 47         | SPK: -8  |
| 7291-22-7         | Pyridine-d5                 | 20.032 |           | 20-120 |      | 50         | SPK: -40 |
| 4165-62-2         | Phenol-d5                   | 22.108 |           | 10-130 |      | 55         | SPK: -40 |
| 93952-02-4        | Bis-(2-Chloroethyl)ether-d8 | 21.384 |           | 10-150 |      | 53         | SPK: -40 |
| 93951-73-6        | 2-Chlorophenol-d4           | 22.954 |           | 15-120 |      | 57         | SPK: -40 |
| 190780-66-6       | 4-Methylphenol-d8           | 22.135 |           | 10-140 |      | 55         | SPK: -40 |
| 4165-60-0         | Nitrobenzene-d5             | 23.166 |           | 10-135 |      | 58         | SPK: -40 |
| 93951-78-1        | 2-Nitrophenol-d4            | 24.268 |           | 10-120 |      | 61         | SPK: -40 |
| 93951-74-7        | 2,4-Dichlorophenol-d3       | 24.396 |           | 10-140 |      | 61         | SPK: -40 |
| 191656-33-4       | 4-Chloroaniline-d4          | 18.963 |           | 1-145  |      | 47         | SPK: -40 |
| 85448-30-2        | Dimethylphthalate-d6        | 23.041 |           | 10-145 |      | 58         | SPK: -40 |
| 93951-97-4        | Acenaphthylene-d8           | 23.89  |           | 15-120 |      | 60         | SPK: -40 |
| 93951-79-2        | 4-Nitrophenol-d4            | 21.324 |           | 10-150 |      | 53         | SPK: -40 |
| 81103-79-9        | Fluorene-d10                | 24.143 |           | 20-140 |      | 60         | SPK: -40 |

## Report of Analysis

|                    |              |                 |                      |
|--------------------|--------------|-----------------|----------------------|
| Client:            |              | Date Collected: | 7/3/2024 12:00:00 AM |
| Project:           |              | Date Received:  | 7/3/2024 12:00:00 AM |
| Client Sample ID:  | SBLK916      | SDG No.:        | BG071024             |
| Lab Sample ID:     | PB161916BL   | Matrix:         | Solid                |
| Analytical Method: | SFAM_SVOC    | % Moisture:     | 0                    |
| Sample Wt/Vol:     | 30 Units: g  | Final Vol:      | 500 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 |
| BG061992.D        | 1         | 7/3/2024 12:00:00 AM | 7/10/2024 12:00:00 AM | PB161916      |

| CAS Number                            | Parameter                     | Conc.  | Qualifier | MDL    | LOD | LOQ / CRQL | Units    |
|---------------------------------------|-------------------------------|--------|-----------|--------|-----|------------|----------|
| 93951-76-9                            | 4,6-Dinitro-2-methylphenol-d2 | 24.326 |           | 10-130 |     | 61         | SPK: -40 |
| 1719-06-8                             | Anthracene-d10                | 24.602 |           | 10-150 |     | 62         | SPK: -40 |
| 1718-52-1                             | Pyrene-d10                    | 24.406 |           | 10-130 |     | 61         | SPK: -40 |
| 63466-71-7                            | Benzo(a)pyrene-d12            | 24.906 |           | 10-140 |     | 62         | SPK: -40 |
| <b>INTERNAL STANDARDS</b>             |                               |        |           |        |     |            |          |
| 3855-82-1                             | 1,4-Dichlorobenzene-d4        | 54777  | 8.094     |        |     |            |          |
| 1146-65-2                             | Naphthalene-d8                | 282724 | 10.908    |        |     |            |          |
| 15067-26-2                            | Acenaphthene-d10              | 210727 | 14.716    |        |     |            |          |
| 1517-22-2                             | Phenanthrene-d10              | 484865 | 17.453    |        |     |            |          |
| 1719-03-5                             | Chrysene-d12                  | 435066 | 21.713    |        |     |            |          |
| 1520-96-3                             | Perylene-d12                  | 541237 | 24.956    |        |     |            |          |
| <b>TENTATIVE IDENTIFIED COMPOUNDS</b> |                               |        |           |        |     |            |          |
| E966796                               | Total Alkanes                 | 26     | U         |        |     | 99         | ug/Kg    |

## Report of Analysis

|                    |              |                 |                       |
|--------------------|--------------|-----------------|-----------------------|
| Client:            |              | Date Collected: | 6/26/2024 12:00:00 AM |
| Project:           |              | Date Received:  | 6/26/2024 12:00:00 AM |
| Client Sample ID:  | A4CE1        | SDG No.:        | BG071024              |
| Lab Sample ID:     | P3102-02     | Matrix:         | Solid                 |
| Analytical Method: | SFAM_SVOC    | % Moisture:     | 8.7                   |
| Sample Wt/Vol:     | 30 Units: g  | Final Vol:      | 500 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 |
| BG061993.D        | 1         | 7/3/2024 12:00:00 AM | 7/10/2024 12:00:00 AM | PB161916      |

| CAS Number     | Parameter                   | Conc. | Qualifier | MDL | LOD  | LOQ / CRQL | Units |
|----------------|-----------------------------|-------|-----------|-----|------|------------|-------|
| <b>TARGETS</b> |                             |       |           |     |      |            |       |
| 123-91-1       | 1,4-Dioxane                 | 30    | U         | 30  | 7.2  | 73         | ug/Kg |
| 100-52-7       | Benzaldehyde                | 64    | U         | 64  | 90.4 | 360        | ug/Kg |
| 110-86-1       | Pyridine                    | 84    | U         | 84  | 180  | 360        | ug/Kg |
| 108-95-2       | Phenol                      | 33    | U         | 33  | 90.4 | 360        | ug/Kg |
| 111-44-4       | Bis(2-Chloroethyl)ether     | 32    | U         | 32  | 90.4 | 360        | ug/Kg |
| 95-57-8        | 2-Chlorophenol              | 31    | U         | 31  | 46.5 | 190        | ug/Kg |
| 95-48-7        | 2-Methylphenol              | 34    | U         | 34  | 90.4 | 360        | ug/Kg |
| 108-60-1       | 2,2-oxybis(1-Chloropropane) | 44    | U         | 44  | 90.4 | 360        | ug/Kg |
| 98-86-2        | Acetophenone                | 72    | U         | 72  | 90.4 | 360        | ug/Kg |
| 106-44-5       | 4-Methylphenol              | 58    | U         | 58  | 90.4 | 360        | ug/Kg |
| 621-64-7       | N-Nitroso-di-n-propylamine  | 87    | U         | 87  | 46.5 | 190        | ug/Kg |
| 67-72-1        | Hexachloroethane            | 67    | U         | 67  | 46.5 | 190        | ug/Kg |
| 98-95-3        | Nitrobenzene                | 70    | U         | 70  | 46.5 | 190        | ug/Kg |
| 78-59-1        | Isophorone                  | 72    | U         | 72  | 46.5 | 190        | ug/Kg |
| 88-75-5        | 2-Nitrophenol               | 66    | U         | 66  | 46.5 | 190        | ug/Kg |
| 105-67-9       | 2,4-Dimethylphenol          | 35    | U         | 35  | 46.5 | 190        | ug/Kg |
| 111-91-1       | Bis(2-Chloroethoxy)methane  | 49    | U         | 49  | 46.5 | 190        | ug/Kg |
| 120-83-2       | 2,4-Dichlorophenol          | 42    | U         | 42  | 46.5 | 190        | ug/Kg |
| 91-20-3        | Naphthalene                 | 26    | U         | 26  | 46.5 | 190        | ug/Kg |
| 106-47-8       | 4-Chloroaniline             | 39    | U         | 39  | 46.5 | 360        | ug/Kg |
| 87-68-3        | Hexachlorobutadiene         | 38    | U         | 38  | 46.5 | 190        | ug/Kg |
| 105-60-2       | Caprolactam                 | 70    | U         | 70  | 90.4 | 360        | ug/Kg |
| 59-50-7        | 4-Chloro-3-methylphenol     | 45    | U         | 45  | 46.5 | 190        | ug/Kg |
| 90-12-0        | 1-Methylnaphthalene         | 26    | U         | 26  | 46.5 | 190        | ug/Kg |
| 91-57-6        | 2-Methylnaphthalene         | 35    | U         | 35  | 46.5 | 190        | ug/Kg |
| 77-47-4        | Hexachlorocyclopentadiene   | 110   | U         | 110 | 90.4 | 360        | ug/Kg |
| 88-06-2        | 2,4,6-Trichlorophenol       | 26    | U         | 26  | 46.5 | 190        | ug/Kg |
| 95-95-4        | 2,4,5-Trichlorophenol       | 36    | U         | 36  | 46.5 | 190        | ug/Kg |

## Report of Analysis

|                    |              |                 |                       |
|--------------------|--------------|-----------------|-----------------------|
| Client:            |              | Date Collected: | 6/26/2024 12:00:00 AM |
| Project:           |              | Date Received:  | 6/26/2024 12:00:00 AM |
| Client Sample ID:  | A4CE1        | SDG No.:        | BG071024              |
| Lab Sample ID:     | P3102-02     | Matrix:         | Solid                 |
| Analytical Method: | SFAM_SVOC    | % Moisture:     | 8.7                   |
| Sample Wt/Vol:     | 30 Units: g  | Final Vol:      | 500 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 |
| BG061993.D        | 1         | 7/3/2024 12:00:00 AM | 7/10/2024 12:00:00 AM | PB161916      |

| CAS Number | Parameter                  | Conc. | Qualifier | MDL | LOD  | LOQ / CRQL | Units |
|------------|----------------------------|-------|-----------|-----|------|------------|-------|
| 92-52-4    | 1,1-Biphenyl               | 28    | U         | 28  | 46.5 | 190        | ug/Kg |
| 91-58-7    | 2-Chloronaphthalene        | 36    | U         | 36  | 46.5 | 190        | ug/Kg |
| 88-74-4    | 2-Nitroaniline             | 49    | U         | 49  | 46.5 | 190        | ug/Kg |
| 131-11-3   | Dimethylphthalate          | 33    | U         | 33  | 46.5 | 190        | ug/Kg |
| 606-20-2   | 2,6-Dinitrotoluene         | 22    | U         | 22  | 46.5 | 190        | ug/Kg |
| 208-96-8   | Acenaphthylene             | 32    | U         | 32  | 46.5 | 190        | ug/Kg |
| 99-09-2    | 3-Nitroaniline             | 72    | U         | 72  | 90.4 | 360        | ug/Kg |
| 83-32-9    | Acenaphthene               | 28    | U         | 28  | 46.5 | 190        | ug/Kg |
| 51-28-5    | 2,4-Dinitrophenol          | 140   | U         | 140 | 90.4 | 360        | ug/Kg |
| 100-02-7   | 4-Nitrophenol              | 48    | U         | 48  | 90.4 | 360        | ug/Kg |
| 132-64-9   | Dibenzofuran               | 30    | U         | 30  | 46.5 | 190        | ug/Kg |
| 121-14-2   | 2,4-Dinitrotoluene         | 38    | U         | 38  | 46.5 | 190        | ug/Kg |
| 84-66-2    | Diethylphthalate           | 36    | U         | 36  | 46.5 | 190        | ug/Kg |
| 86-73-7    | Fluorene                   | 30    | U         | 30  | 46.5 | 190        | ug/Kg |
| 7005-72-3  | 4-Chlorophenyl-phenylether | 22    | U         | 22  | 46.5 | 190        | ug/Kg |
| 100-01-6   | 4-Nitroaniline             | 26    | U         | 26  | 90.4 | 360        | ug/Kg |
| 534-52-1   | 4,6-Dinitro-2-methylphenol | 42    | U         | 42  | 90.4 | 360        | ug/Kg |
| 86-30-6    | N-Nitrosodiphenylamine     | 26    | U         | 26  | 46.5 | 190        | ug/Kg |
| 95-94-3    | 1,2,4,5-Tetrachlorobenzene | 37    | U         | 37  | 46.5 | 190        | ug/Kg |
| 101-55-3   | 4-Bromophenyl-phenylether  | 28    | U         | 28  | 46.5 | 190        | ug/Kg |
| 118-74-1   | Hexachlorobenzene          | 31    | U         | 31  | 46.5 | 190        | ug/Kg |
| 1912-24-9  | Atrazine                   | 31    | U         | 31  | 90.4 | 360        | ug/Kg |
| 87-86-5    | Pentachlorophenol          | 96    | U         | 96  | 90.4 | 360        | ug/Kg |
| 85-01-8    | Phenanthrene               | 410   |           | 30  | 46.5 | 190        | ug/Kg |
| 608-93-5   | Pentachlorobenzene         | 41    | U         | 41  | 46.5 | 190        | ug/Kg |
| 120-12-7   | Anthracene                 | 76    | J         | 27  | 46.5 | 190        | ug/Kg |
| 634-66-2   | 1,2,3,4-Tetrachlorobenzene | 19    | U         | 19  | 46.5 | 190        | ug/Kg |
| 86-74-8    | Carbazole                  | 47    | J         | 37  | 90.4 | 360        | ug/Kg |
| 84-74-2    | Di-n-butylphthalate        | 30    | U         | 30  | 46.5 | 190        | ug/Kg |
| 206-44-0   | Fluoranthene               | 720   |           | 21  | 90.4 | 190        | ug/Kg |

## Report of Analysis

|                    |              |                 |                       |
|--------------------|--------------|-----------------|-----------------------|
| Client:            |              | Date Collected: | 6/26/2024 12:00:00 AM |
| Project:           |              | Date Received:  | 6/26/2024 12:00:00 AM |
| Client Sample ID:  | A4CE1        | SDG No.:        | BG071024              |
| Lab Sample ID:     | P3102-02     | Matrix:         | Solid                 |
| Analytical Method: | SFAM_SVOC    | % Moisture:     | 8.7                   |
| Sample Wt/Vol:     | 30 Units: g  | Final Vol:      | 500 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 |
| BG061993.D        | 1         | 7/3/2024 12:00:00 AM | 7/10/2024 12:00:00 AM | PB161916      |

| CAS Number        | Parameter                   | Conc.  | Qualifier | MDL    | LOD  | LOQ / CRQL | Units    |
|-------------------|-----------------------------|--------|-----------|--------|------|------------|----------|
| 129-00-0          | Pyrene                      | 510    |           | 20     | 46.5 | 190        | ug/Kg    |
| 85-68-7           | Butylbenzylphthalate        | 24     | U         | 24     | 46.5 | 190        | ug/Kg    |
| 91-94-1           | 3,3-Dichlorobenzidine       | 57     | U         | 57     | 90.4 | 360        | ug/Kg    |
| 56-55-3           | Benzo(a)anthracene          | 330    |           | 25     | 46.5 | 190        | ug/Kg    |
| 218-01-9          | Chrysene                    | 390    |           | 26     | 46.5 | 190        | ug/Kg    |
| 117-81-7          | Bis(2-ethylhexyl)phthalate  | 300    |           | 27     | 46.5 | 190        | ug/Kg    |
| 117-84-0          | Di-n-octyl phthalate        | 53     | U         | 53     | 90.4 | 360        | ug/Kg    |
| 205-99-2          | Benzo(b)fluoranthene        | 490    |           | 41     | 46.5 | 190        | ug/Kg    |
| 207-08-9          | Benzo(k)fluoranthene        | 180    | J         | 42     | 46.5 | 190        | ug/Kg    |
| 50-32-8           | Benzo(a)pyrene              | 190    |           | 34     | 46.5 | 190        | ug/Kg    |
| 193-39-5          | Indeno(1,2,3-cd)pyrene      | 160    | J         | 31     | 46.5 | 190        | ug/Kg    |
| 53-70-3           | Dibenzo(a,h)anthracene      | 66     | J         | 28     | 46.5 | 190        | ug/Kg    |
| 191-24-2          | Benzo(g,h,i)perylene        | 35     | U         | 35     | 46.5 | 190        | ug/Kg    |
| 58-90-2           | 2,3,4,6-Tetrachlorophenol   | 39     | U         | 39     | 46.5 | 190        | ug/Kg    |
| <b>SURROGATES</b> |                             |        |           |        |      |            |          |
| 17647-74-4        | 1,4-Dioxane-d8              | 3.448  |           | 15-120 |      | 43         | SPK: -8  |
| 7291-22-7         | Pyridine-d5                 | 1.398  | *         | 20-120 |      | 3          | SPK: -40 |
| 4165-62-2         | Phenol-d5                   | 27.348 |           | 10-130 |      | 68         | SPK: -40 |
| 93952-02-4        | Bis-(2-Chloroethyl)ether-d8 | 24.534 |           | 10-150 |      | 61         | SPK: -40 |
| 93951-73-6        | 2-Chlorophenol-d4           | 27.007 |           | 15-120 |      | 68         | SPK: -40 |
| 190780-66-6       | 4-Methylphenol-d8           | 26.48  |           | 10-140 |      | 66         | SPK: -40 |
| 4165-60-0         | Nitrobenzene-d5             | 27.176 |           | 10-135 |      | 68         | SPK: -40 |
| 93951-78-1        | 2-Nitrophenol-d4            | 28.597 |           | 10-120 |      | 71         | SPK: -40 |
| 93951-74-7        | 2,4-Dichlorophenol-d3       | 29.35  |           | 10-140 |      | 73         | SPK: -40 |
| 191656-33-4       | 4-Chloroaniline-d4          | 6.513  |           | 1-145  |      | 16         | SPK: -40 |
| 85448-30-2        | Dimethylphthalate-d6        | 27.559 |           | 10-145 |      | 69         | SPK: -40 |
| 93951-97-4        | Acenaphthylene-d8           | 29.174 |           | 15-120 |      | 73         | SPK: -40 |
| 93951-79-2        | 4-Nitrophenol-d4            | 24.5   |           | 10-150 |      | 61         | SPK: -40 |
| 81103-79-9        | Fluorene-d10                | 28.441 |           | 20-140 |      | 71         | SPK: -40 |

## Report of Analysis

|                    |              |                 |                       |
|--------------------|--------------|-----------------|-----------------------|
| Client:            |              | Date Collected: | 6/26/2024 12:00:00 AM |
| Project:           |              | Date Received:  | 6/26/2024 12:00:00 AM |
| Client Sample ID:  | A4CE1        | SDG No.:        | BG071024              |
| Lab Sample ID:     | P3102-02     | Matrix:         | Solid                 |
| Analytical Method: | SFAM_SVOC    | % Moisture:     | 8.7                   |
| Sample Wt/Vol:     | 30 Units: g  | Final Vol:      | 500 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 |
| BG061993.D        | 1         | 7/3/2024 12:00:00 AM | 7/10/2024 12:00:00 AM | PB161916      |

| CAS Number                            | Parameter                          | Conc.  | Qualifier | MDL    | LOD | LOQ / CRQL | Units    |
|---------------------------------------|------------------------------------|--------|-----------|--------|-----|------------|----------|
| 93951-76-9                            | 4,6-Dinitro-2-methylphenol-d2      | 29.313 |           | 10-130 |     | 73         | SPK: -40 |
| 1719-06-8                             | Anthracene-d10                     | 27.155 |           | 10-150 |     | 68         | SPK: -40 |
| 1718-52-1                             | Pyrene-d10                         | 24.542 |           | 10-130 |     | 61         | SPK: -40 |
| 63466-71-7                            | Benzo(a)pyrene-d12                 | 19.176 |           | 10-140 |     | 48         | SPK: -40 |
| <b>INTERNAL STANDARDS</b>             |                                    |        |           |        |     |            |          |
| 3855-82-1                             | 1,4-Dichlorobenzene-d4             | 45529  | 8.092     |        |     |            |          |
| 1146-65-2                             | Naphthalene-d8                     | 241111 | 10.906    |        |     |            |          |
| 15067-26-2                            | Acenaphthene-d10                   | 168239 | 14.713    |        |     |            |          |
| 1517-22-2                             | Phenanthrene-d10                   | 382518 | 17.457    |        |     |            |          |
| 1719-03-5                             | Chrysene-d12                       | 334750 | 21.717    |        |     |            |          |
| 1520-96-3                             | Perylene-d12                       | 411349 | 24.954    |        |     |            |          |
| <b>TENTATIVE IDENTIFIED COMPOUNDS</b> |                                    |        |           |        |     |            |          |
|                                       | unknown-01                         | 84     | J         |        |     | 4.02       |          |
| 000770-35-4                           | 1-Phenoxypropan-2-ol               | 83     | J         |        |     | 11.634     |          |
| 007012-37-5                           | 1,1-Biphenyl, 2,4,4-trichloro-     | 87     | J         |        |     | 18.045     |          |
| 000638-53-9                           | Tridecanoic acid                   | 230    | J         |        |     | 18.333     |          |
|                                       | unknown-02                         | 150    | J         |        |     | 18.515     |          |
| 002531-84-2                           | Phenanthrene, 2-methyl-            | 74     | J         |        |     | 18.562     |          |
| 070362-50-4                           | 3,4,4,5-Tetrachloro-1,1-biphenyl   | 120    | J         |        |     | 19.367     |          |
| 002381-21-7                           | Pyrene, 1-methyl-                  | 99     | J         |        |     | 20.348     |          |
| 1000383-11-5                          | Carbonic acid, octadecyl prop-1-en | 240    | J         |        |     | 21.347     |          |
|                                       | (DEL) Alkane: Straight-Chain22.510 | 240    | J         |        |     | 22.51      |          |
|                                       | unknown-03                         | 180    | J         |        |     | 23.556     |          |
| 004292-19-7                           | Dodecane, 1-iodo-                  | 750    | J         |        |     | 26.112     |          |
| E966796                               | Total Alkanes                      | 240    |           |        |     | 99         | ug/Kg    |

## Report of Analysis

|                    |                        |                 |                             |
|--------------------|------------------------|-----------------|-----------------------------|
| Client:            |                        | Date Collected: | 6/26/2024 12:00:00 AM       |
| Project:           |                        | Date Received:  | 6/26/2024 12:00:00 AM       |
| Client Sample ID:  | A4CE1MS                | SDG No.:        | BG071024                    |
| Lab Sample ID:     | P3102-03MS             | Matrix:         | Solid                       |
| Analytical Method: | SFAM_SVOC              | % Moisture:     | 8.7                         |
| Sample Wt/Vol:     | 30.02      Units:    g | Final Vol:      | 500                      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 |
| BG061994.D        | 1         | 7/3/2024 12:00:00 AM | 7/10/2024 12:00:00 AM | PB161916      |

| CAS Number     | Parameter                   | Conc. | Qualifier | MDL | LOD  | LOQ / CRQL | Units |
|----------------|-----------------------------|-------|-----------|-----|------|------------|-------|
| <b>TARGETS</b> |                             |       |           |     |      |            |       |
| 123-91-1       | 1,4-Dioxane                 | 390   |           | 30  | 7.2  | 73         | ug/Kg |
| 100-52-7       | Benzaldehyde                | 830   |           | 63  | 90.3 | 360        | ug/Kg |
| 110-86-1       | Pyridine                    | 520   |           | 84  | 180  | 360        | ug/Kg |
| 108-95-2       | Phenol                      | 1300  |           | 33  | 90.3 | 360        | ug/Kg |
| 111-44-4       | Bis(2-Chloroethyl)ether     | 1100  |           | 32  | 90.3 | 360        | ug/Kg |
| 95-57-8        | 2-Chlorophenol              | 1400  |           | 31  | 46.5 | 190        | ug/Kg |
| 95-48-7        | 2-Methylphenol              | 1300  |           | 34  | 90.3 | 360        | ug/Kg |
| 108-60-1       | 2,2-oxybis(1-Chloropropane) | 1100  |           | 44  | 90.3 | 360        | ug/Kg |
| 98-86-2        | Acetophenone                | 1300  |           | 72  | 90.3 | 360        | ug/Kg |
| 106-44-5       | 4-Methylphenol              | 1300  |           | 58  | 90.3 | 360        | ug/Kg |
| 621-64-7       | N-Nitroso-di-n-propylamine  | 1100  |           | 86  | 46.5 | 190        | ug/Kg |
| 67-72-1        | Hexachloroethane            | 1000  |           | 67  | 46.5 | 190        | ug/Kg |
| 98-95-3        | Nitrobenzene                | 1300  |           | 70  | 46.5 | 190        | ug/Kg |
| 78-59-1        | Isophorone                  | 1100  |           | 72  | 46.5 | 190        | ug/Kg |
| 88-75-5        | 2-Nitrophenol               | 1300  |           | 66  | 46.5 | 190        | ug/Kg |
| 105-67-9       | 2,4-Dimethylphenol          | 920   |           | 35  | 46.5 | 190        | ug/Kg |
| 111-91-1       | Bis(2-Chloroethoxy)methane  | 1100  |           | 49  | 46.5 | 190        | ug/Kg |
| 120-83-2       | 2,4-Dichlorophenol          | 1400  |           | 42  | 46.5 | 190        | ug/Kg |
| 91-20-3        | Naphthalene                 | 1300  |           | 26  | 46.5 | 190        | ug/Kg |
| 106-47-8       | 4-Chloroaniline             | 600   |           | 39  | 46.5 | 360        | ug/Kg |
| 87-68-3        | Hexachlorobutadiene         | 1400  |           | 38  | 46.5 | 190        | ug/Kg |
| 105-60-2       | Caprolactam                 | 1000  |           | 70  | 90.3 | 360        | ug/Kg |
| 59-50-7        | 4-Chloro-3-methylphenol     | 1400  |           | 45  | 46.5 | 190        | ug/Kg |
| 90-12-0        | 1-Methylnaphthalene         | 1300  |           | 26  | 46.5 | 190        | ug/Kg |
| 91-57-6        | 2-Methylnaphthalene         | 1300  |           | 35  | 46.5 | 190        | ug/Kg |
| 77-47-4        | Hexachlorocyclopentadiene   | 690   |           | 110 | 90.3 | 360        | ug/Kg |
| 88-06-2        | 2,4,6-Trichlorophenol       | 1400  |           | 26  | 46.5 | 190        | ug/Kg |
| 95-95-4        | 2,4,5-Trichlorophenol       | 1400  |           | 36  | 46.5 | 190        | ug/Kg |

## Report of Analysis

|                    |                        |                 |                             |
|--------------------|------------------------|-----------------|-----------------------------|
| Client:            |                        | Date Collected: | 6/26/2024 12:00:00 AM       |
| Project:           |                        | Date Received:  | 6/26/2024 12:00:00 AM       |
| Client Sample ID:  | A4CE1MS                | SDG No.:        | BG071024                    |
| Lab Sample ID:     | P3102-03MS             | Matrix:         | Solid                       |
| Analytical Method: | SFAM_SVOC              | % Moisture:     | 8.7                         |
| Sample Wt/Vol:     | 30.02      Units:    g | Final Vol:      | 500                      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 |
| BG061994.D        | 1         | 7/3/2024 12:00:00 AM | 7/10/2024 12:00:00 AM | PB161916      |

| CAS Number | Parameter                  | Conc. | Qualifier | MDL | LOD  | LOQ / CRQL | Units |
|------------|----------------------------|-------|-----------|-----|------|------------|-------|
| 92-52-4    | 1,1-Biphenyl               | 1300  |           | 28  | 46.5 | 190        | ug/Kg |
| 91-58-7    | 2-Chloronaphthalene        | 1400  |           | 36  | 46.5 | 190        | ug/Kg |
| 88-74-4    | 2-Nitroaniline             | 1500  |           | 49  | 46.5 | 190        | ug/Kg |
| 131-11-3   | Dimethylphthalate          | 1300  |           | 33  | 46.5 | 190        | ug/Kg |
| 606-20-2   | 2,6-Dinitrotoluene         | 1500  |           | 22  | 46.5 | 190        | ug/Kg |
| 208-96-8   | Acenaphthylene             | 1300  |           | 32  | 46.5 | 190        | ug/Kg |
| 99-09-2    | 3-Nitroaniline             | 1100  |           | 72  | 90.3 | 360        | ug/Kg |
| 83-32-9    | Acenaphthene               | 1400  |           | 28  | 46.5 | 190        | ug/Kg |
| 51-28-5    | 2,4-Dinitrophenol          | 1500  |           | 140 | 90.3 | 360        | ug/Kg |
| 100-02-7   | 4-Nitrophenol              | 1500  |           | 48  | 90.3 | 360        | ug/Kg |
| 132-64-9   | Dibenzofuran               | 1300  |           | 30  | 46.5 | 190        | ug/Kg |
| 121-14-2   | 2,4-Dinitrotoluene         | 1500  |           | 38  | 46.5 | 190        | ug/Kg |
| 84-66-2    | Diethylphthalate           | 1300  |           | 36  | 46.5 | 190        | ug/Kg |
| 86-73-7    | Fluorene                   | 1300  |           | 30  | 46.5 | 190        | ug/Kg |
| 7005-72-3  | 4-Chlorophenyl-phenylether | 1300  |           | 22  | 46.5 | 190        | ug/Kg |
| 100-01-6   | 4-Nitroaniline             | 1300  |           | 26  | 90.3 | 360        | ug/Kg |
| 534-52-1   | 4,6-Dinitro-2-methylphenol | 1600  |           | 42  | 90.3 | 360        | ug/Kg |
| 86-30-6    | N-Nitrosodiphenylamine     | 1400  |           | 26  | 46.5 | 190        | ug/Kg |
| 95-94-3    | 1,2,4,5-Tetrachlorobenzene | 1500  |           | 37  | 46.5 | 190        | ug/Kg |
| 101-55-3   | 4-Bromophenyl-phenylether  | 1500  |           | 28  | 46.5 | 190        | ug/Kg |
| 118-74-1   | Hexachlorobenzene          | 1200  |           | 31  | 46.5 | 190        | ug/Kg |
| 1912-24-9  | Atrazine                   | 910   |           | 31  | 90.3 | 360        | ug/Kg |
| 87-86-5    | Pentachlorophenol          | 1300  |           | 96  | 90.3 | 360        | ug/Kg |
| 85-01-8    | Phenanthrene               | 1700  |           | 30  | 46.5 | 190        | ug/Kg |
| 608-93-5   | Pentachlorobenzene         | 1300  |           | 40  | 46.5 | 190        | ug/Kg |
| 120-12-7   | Anthracene                 | 1300  |           | 27  | 46.5 | 190        | ug/Kg |
| 634-66-2   | 1,2,3,4-Tetrachlorobenzene | 1700  |           | 19  | 46.5 | 190        | ug/Kg |
| 86-74-8    | Carbazole                  | 1300  |           | 37  | 90.3 | 360        | ug/Kg |
| 84-74-2    | Di-n-butylphthalate        | 1300  |           | 30  | 46.5 | 190        | ug/Kg |
| 206-44-0   | Fluoranthene               | 2100  |           | 21  | 90.3 | 190        | ug/Kg |



## Report of Analysis

|                    |                        |                 |                             |
|--------------------|------------------------|-----------------|-----------------------------|
| Client:            |                        | Date Collected: | 6/26/2024 12:00:00 AM       |
| Project:           |                        | Date Received:  | 6/26/2024 12:00:00 AM       |
| Client Sample ID:  | A4CE1MS                | SDG No.:        | BG071024                    |
| Lab Sample ID:     | P3102-03MS             | Matrix:         | Solid                       |
| Analytical Method: | SFAM_SVOC              | % Moisture:     | 8.7                         |
| Sample Wt/Vol:     | 30.02      Units:    g | Final Vol:      | 500                      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 |
| BG061994.D        | 1         | 7/3/2024 12:00:00 AM | 7/10/2024 12:00:00 AM | PB161916      |

| CAS Number        | Parameter                   | Conc.  | Qualifier | MDL    | LOD  | LOQ / CRQL | Units    |
|-------------------|-----------------------------|--------|-----------|--------|------|------------|----------|
| 129-00-0          | Pyrene                      | 1600   |           | 20     | 46.5 | 190        | ug/Kg    |
| 85-68-7           | Butylbenzylphthalate        | 1400   |           | 24     | 46.5 | 190        | ug/Kg    |
| 91-94-1           | 3,3-Dichlorobenzidine       | 170    | J         | 57     | 90.3 | 360        | ug/Kg    |
| 56-55-3           | Benzo(a)anthracene          | 1700   |           | 25     | 46.5 | 190        | ug/Kg    |
| 218-01-9          | Chrysene                    | 1800   |           | 26     | 46.5 | 190        | ug/Kg    |
| 117-81-7          | Bis(2-ethylhexyl)phthalate  | 1600   |           | 27     | 46.5 | 190        | ug/Kg    |
| 117-84-0          | Di-n-octyl phthalate        | 1400   |           | 53     | 90.3 | 360        | ug/Kg    |
| 205-99-2          | Benzo(b)fluoranthene        | 1800   |           | 40     | 46.5 | 190        | ug/Kg    |
| 207-08-9          | Benzo(k)fluoranthene        | 1600   |           | 42     | 46.5 | 190        | ug/Kg    |
| 50-32-8           | Benzo(a)pyrene              | 900    |           | 34     | 46.5 | 190        | ug/Kg    |
| 193-39-5          | Indeno(1,2,3-cd)pyrene      | 1200   |           | 31     | 46.5 | 190        | ug/Kg    |
| 53-70-3           | Dibenzo(a,h)anthracene      | 1500   |           | 28     | 46.5 | 190        | ug/Kg    |
| 191-24-2          | Benzo(g,h,i)perylene        | 160    | J         | 35     | 46.5 | 190        | ug/Kg    |
| 58-90-2           | 2,3,4,6-Tetrachlorophenol   | 1300   |           | 39     | 46.5 | 190        | ug/Kg    |
| <b>SURROGATES</b> |                             |        |           |        |      |            |          |
| 17647-74-4        | 1,4-Dioxane-d8              | 3.349  |           | 15-120 |      | 42         | SPK: -8  |
| 7291-22-7         | Pyridine-d5                 | 6.822  | *         | 20-120 |      | 17         | SPK: -40 |
| 4165-62-2         | Phenol-d5                   | 26.301 |           | 10-130 |      | 66         | SPK: -40 |
| 93952-02-4        | Bis-(2-Chloroethyl)ether-d8 | 23.46  |           | 10-150 |      | 59         | SPK: -40 |
| 93951-73-6        | 2-Chlorophenol-d4           | 27.846 |           | 15-120 |      | 70         | SPK: -40 |
| 190780-66-6       | 4-Methylphenol-d8           | 26.566 |           | 10-140 |      | 66         | SPK: -40 |
| 4165-60-0         | Nitrobenzene-d5             | 28.083 |           | 10-135 |      | 70         | SPK: -40 |
| 93951-78-1        | 2-Nitrophenol-d4            | 29.686 |           | 10-120 |      | 74         | SPK: -40 |
| 93951-74-7        | 2,4-Dichlorophenol-d3       | 30.991 |           | 10-140 |      | 77         | SPK: -40 |
| 191656-33-4       | 4-Chloroaniline-d4          | 13.6   |           | 1-145  |      | 34         | SPK: -40 |
| 85448-30-2        | Dimethylphthalate-d6        | 27.66  |           | 10-145 |      | 69         | SPK: -40 |
| 93951-97-4        | Acenaphthylene-d8           | 29.045 |           | 15-120 |      | 73         | SPK: -40 |
| 93951-79-2        | 4-Nitrophenol-d4            | 26.866 |           | 10-150 |      | 67         | SPK: -40 |
| 81103-79-9        | Fluorene-d10                | 28.307 |           | 20-140 |      | 71         | SPK: -40 |

## Report of Analysis

|                    |                     |                 |                       |
|--------------------|---------------------|-----------------|-----------------------|
| Client:            |                     | Date Collected: | 6/26/2024 12:00:00 AM |
| Project:           |                     | Date Received:  | 6/26/2024 12:00:00 AM |
| Client Sample ID:  | A4CE1MS             | SDG No.:        | BG071024              |
| Lab Sample ID:     | P3102-03MS          | Matrix:         | Solid                 |
| Analytical Method: | SFAM_SVOC           | % Moisture:     | 8.7                   |
| Sample Wt/Vol:     | 30.02      Units: g | Final Vol:      | 500      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 |
| BG061994.D        | 1         | 7/3/2024 12:00:00 AM | 7/10/2024 12:00:00 AM | PB161916      |

| CAS Number                            | Parameter                     | Conc.  | Qualifier | MDL    | LOD | LOQ / CRQL | Units    |
|---------------------------------------|-------------------------------|--------|-----------|--------|-----|------------|----------|
| 93951-76-9                            | 4,6-Dinitro-2-methylphenol-d2 | 34.146 |           | 10-130 |     | 85         | SPK: -40 |
| 1719-06-8                             | Anthracene-d10                | 28.082 |           | 10-150 |     | 70         | SPK: -40 |
| 1718-52-1                             | Pyrene-d10                    | 25.47  |           | 10-130 |     | 64         | SPK: -40 |
| 63466-71-7                            | Benzo(a)pyrene-d12            | 20.174 |           | 10-140 |     | 50         | SPK: -40 |
| <b>INTERNAL STANDARDS</b>             |                               |        |           |        |     |            |          |
| 3855-82-1                             | 1,4-Dichlorobenzene-d4        | 47631  | 8.097     |        |     |            |          |
| 1146-65-2                             | Naphthalene-d8                | 250777 | 10.906    |        |     |            |          |
| 15067-26-2                            | Acenaphthene-d10              | 174669 | 14.719    |        |     |            |          |
| 1517-22-2                             | Phenanthrene-d10              | 380105 | 17.457    |        |     |            |          |
| 1719-03-5                             | Chrysene-d12                  | 320794 | 21.722    |        |     |            |          |
| 1520-96-3                             | Perylene-d12                  | 390266 | 24.96     |        |     |            |          |
| <b>TENTATIVE IDENTIFIED COMPOUNDS</b> |                               |        |           |        |     |            |          |
| E966796                               | Total Alkanes                 | 28     | U         |        |     | 99         | ug/Kg    |

## Report of Analysis

|                    |                        |                 |                             |
|--------------------|------------------------|-----------------|-----------------------------|
| Client:            |                        | Date Collected: | 6/26/2024 12:00:00 AM       |
| Project:           |                        | Date Received:  | 6/26/2024 12:00:00 AM       |
| Client Sample ID:  | A4CE1MSD               | SDG No.:        | BG071024                    |
| Lab Sample ID:     | P3102-04MSD            | Matrix:         | Solid                       |
| Analytical Method: | SFAM_SVOC              | % Moisture:     | 8.7                         |
| Sample Wt/Vol:     | 30.07      Units:    g | Final Vol:      | 500                      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 |
| BG061995.D        | 1         | 7/3/2024 12:00:00 AM | 7/10/2024 12:00:00 AM | PB161916      |

| CAS Number     | Parameter                   | Conc. | Qualifier | MDL | LOD  | LOQ / CRQL | Units |
|----------------|-----------------------------|-------|-----------|-----|------|------------|-------|
| <b>TARGETS</b> |                             |       |           |     |      |            |       |
| 123-91-1       | 1,4-Dioxane                 | 380   |           | 30  | 7.2  | 73         | ug/Kg |
| 100-52-7       | Benzaldehyde                | 790   |           | 63  | 90.2 | 360        | ug/Kg |
| 110-86-1       | Pyridine                    | 530   |           | 84  | 180  | 360        | ug/Kg |
| 108-95-2       | Phenol                      | 1300  |           | 33  | 90.2 | 360        | ug/Kg |
| 111-44-4       | Bis(2-Chloroethyl)ether     | 1100  |           | 32  | 90.2 | 360        | ug/Kg |
| 95-57-8        | 2-Chlorophenol              | 1300  |           | 31  | 46.4 | 190        | ug/Kg |
| 95-48-7        | 2-Methylphenol              | 1200  |           | 34  | 90.2 | 360        | ug/Kg |
| 108-60-1       | 2,2-oxybis(1-Chloropropane) | 1100  |           | 44  | 90.2 | 360        | ug/Kg |
| 98-86-2        | Acetophenone                | 1200  |           | 72  | 90.2 | 360        | ug/Kg |
| 106-44-5       | 4-Methylphenol              | 1300  |           | 58  | 90.2 | 360        | ug/Kg |
| 621-64-7       | N-Nitroso-di-n-propylamine  | 1200  |           | 86  | 46.4 | 190        | ug/Kg |
| 67-72-1        | Hexachloroethane            | 1000  |           | 67  | 46.4 | 190        | ug/Kg |
| 98-95-3        | Nitrobenzene                | 1300  |           | 70  | 46.4 | 190        | ug/Kg |
| 78-59-1        | Isophorone                  | 1100  |           | 72  | 46.4 | 190        | ug/Kg |
| 88-75-5        | 2-Nitrophenol               | 1400  |           | 66  | 46.4 | 190        | ug/Kg |
| 105-67-9       | 2,4-Dimethylphenol          | 1000  |           | 35  | 46.4 | 190        | ug/Kg |
| 111-91-1       | Bis(2-Chloroethoxy)methane  | 1100  |           | 49  | 46.4 | 190        | ug/Kg |
| 120-83-2       | 2,4-Dichlorophenol          | 1400  |           | 42  | 46.4 | 190        | ug/Kg |
| 91-20-3        | Naphthalene                 | 1300  |           | 26  | 46.4 | 190        | ug/Kg |
| 106-47-8       | 4-Chloroaniline             | 640   |           | 39  | 46.4 | 360        | ug/Kg |
| 87-68-3        | Hexachlorobutadiene         | 1500  |           | 38  | 46.4 | 190        | ug/Kg |
| 105-60-2       | Caprolactam                 | 1100  |           | 70  | 90.2 | 360        | ug/Kg |
| 59-50-7        | 4-Chloro-3-methylphenol     | 1400  |           | 45  | 46.4 | 190        | ug/Kg |
| 90-12-0        | 1-Methylnaphthalene         | 1300  |           | 26  | 46.4 | 190        | ug/Kg |
| 91-57-6        | 2-Methylnaphthalene         | 1300  |           | 35  | 46.4 | 190        | ug/Kg |
| 77-47-4        | Hexachlorocyclopentadiene   | 650   |           | 110 | 90.2 | 360        | ug/Kg |
| 88-06-2        | 2,4,6-Trichlorophenol       | 1500  |           | 26  | 46.4 | 190        | ug/Kg |
| 95-95-4        | 2,4,5-Trichlorophenol       | 1400  |           | 36  | 46.4 | 190        | ug/Kg |

## Report of Analysis

|                    |                        |                 |                             |
|--------------------|------------------------|-----------------|-----------------------------|
| Client:            |                        | Date Collected: | 6/26/2024 12:00:00 AM       |
| Project:           |                        | Date Received:  | 6/26/2024 12:00:00 AM       |
| Client Sample ID:  | A4CE1MSD               | SDG No.:        | BG071024                    |
| Lab Sample ID:     | P3102-04MSD            | Matrix:         | Solid                       |
| Analytical Method: | SFAM_SVOC              | % Moisture:     | 8.7                         |
| Sample Wt/Vol:     | 30.07      Units:    g | Final Vol:      | 500                      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 |
| BG061995.D        | 1         | 7/3/2024 12:00:00 AM | 7/10/2024 12:00:00 AM | PB161916      |

| CAS Number | Parameter                  | Conc. | Qualifier | MDL | LOD  | LOQ / CRQL | Units |
|------------|----------------------------|-------|-----------|-----|------|------------|-------|
| 92-52-4    | 1,1-Biphenyl               | 1400  |           | 28  | 46.4 | 190        | ug/Kg |
| 91-58-7    | 2-Chloronaphthalene        | 1400  |           | 36  | 46.4 | 190        | ug/Kg |
| 88-74-4    | 2-Nitroaniline             | 1500  |           | 49  | 46.4 | 190        | ug/Kg |
| 131-11-3   | Dimethylphthalate          | 1300  |           | 33  | 46.4 | 190        | ug/Kg |
| 606-20-2   | 2,6-Dinitrotoluene         | 1500  |           | 22  | 46.4 | 190        | ug/Kg |
| 208-96-8   | Acenaphthylene             | 1300  |           | 32  | 46.4 | 190        | ug/Kg |
| 99-09-2    | 3-Nitroaniline             | 1200  |           | 72  | 90.2 | 360        | ug/Kg |
| 83-32-9    | Acenaphthene               | 1300  |           | 28  | 46.4 | 190        | ug/Kg |
| 51-28-5    | 2,4-Dinitrophenol          | 1500  |           | 140 | 90.2 | 360        | ug/Kg |
| 100-02-7   | 4-Nitrophenol              | 1500  |           | 48  | 90.2 | 360        | ug/Kg |
| 132-64-9   | Dibenzofuran               | 1300  |           | 30  | 46.4 | 190        | ug/Kg |
| 121-14-2   | 2,4-Dinitrotoluene         | 1500  |           | 38  | 46.4 | 190        | ug/Kg |
| 84-66-2    | Diethylphthalate           | 1200  |           | 36  | 46.4 | 190        | ug/Kg |
| 86-73-7    | Fluorene                   | 1300  |           | 30  | 46.4 | 190        | ug/Kg |
| 7005-72-3  | 4-Chlorophenyl-phenylether | 1300  |           | 22  | 46.4 | 190        | ug/Kg |
| 100-01-6   | 4-Nitroaniline             | 1300  |           | 26  | 90.2 | 360        | ug/Kg |
| 534-52-1   | 4,6-Dinitro-2-methylphenol | 1700  |           | 42  | 90.2 | 360        | ug/Kg |
| 86-30-6    | N-Nitrosodiphenylamine     | 1400  |           | 26  | 46.4 | 190        | ug/Kg |
| 95-94-3    | 1,2,4,5-Tetrachlorobenzene | 1500  |           | 37  | 46.4 | 190        | ug/Kg |
| 101-55-3   | 4-Bromophenyl-phenylether  | 1500  |           | 28  | 46.4 | 190        | ug/Kg |
| 118-74-1   | Hexachlorobenzene          | 1200  |           | 31  | 46.4 | 190        | ug/Kg |
| 1912-24-9  | Atrazine                   | 930   |           | 31  | 90.2 | 360        | ug/Kg |
| 87-86-5    | Pentachlorophenol          | 1300  |           | 96  | 90.2 | 360        | ug/Kg |
| 85-01-8    | Phenanthrene               | 1700  |           | 30  | 46.4 | 190        | ug/Kg |
| 608-93-5   | Pentachlorobenzene         | 1400  |           | 40  | 46.4 | 190        | ug/Kg |
| 120-12-7   | Anthracene                 | 1400  |           | 27  | 46.4 | 190        | ug/Kg |
| 634-66-2   | 1,2,3,4-Tetrachlorobenzene | 1700  |           | 19  | 46.4 | 190        | ug/Kg |
| 86-74-8    | Carbazole                  | 1300  |           | 37  | 90.2 | 360        | ug/Kg |
| 84-74-2    | Di-n-butylphthalate        | 1400  |           | 30  | 46.4 | 190        | ug/Kg |
| 206-44-0   | Fluoranthene               | 2100  |           | 21  | 90.2 | 190        | ug/Kg |



|                    |              |        |    |                 |                       |    |
|--------------------|--------------|--------|----|-----------------|-----------------------|----|
| Client:            |              |        |    | Date Collected: | 6/26/2024 12:00:00 AM |    |
| Project:           |              |        |    | Date Received:  | 6/26/2024 12:00:00 AM |    |
| Client Sample ID:  | A4CE1MSD     |        |    | SDG No.:        | BG071024              |    |
| Lab Sample ID:     | P3102-04MSD  |        |    | Matrix:         | Solid                 |    |
| Analytical Method: | SFAM_SVOC    |        |    | % Moisture:     | 8.7                   |    |
| Sample Wt/Vol:     | 30.07        | Units: | g  | Final Vol:      | 500                   | 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 |
|-------------------|-----------|----------------------|-----------------------|---------------|
| BG061995.D        | 1         | 7/3/2024 12:00:00 AM | 7/10/2024 12:00:00 AM | PB161916      |

| CAS Number        | Parameter                   | Conc.  | Qualifier | MDL    | LOD  | LOQ / CRQL | Units    |
|-------------------|-----------------------------|--------|-----------|--------|------|------------|----------|
| 129-00-0          | Pyrene                      | 1600   |           | 20     | 46.4 | 190        | ug/Kg    |
| 85-68-7           | Butylbenzylphthalate        | 1400   |           | 24     | 46.4 | 190        | ug/Kg    |
| 91-94-1           | 3,3-Dichlorobenzidine       | 230    | J         | 57     | 90.2 | 360        | ug/Kg    |
| 56-55-3           | Benzo(a)anthracene          | 1700   |           | 25     | 46.4 | 190        | ug/Kg    |
| 218-01-9          | Chrysene                    | 1800   |           | 26     | 46.4 | 190        | ug/Kg    |
| 117-81-7          | Bis(2-ethylhexyl)phthalate  | 1600   |           | 27     | 46.4 | 190        | ug/Kg    |
| 117-84-0          | Di-n-octyl phthalate        | 1400   |           | 52     | 90.2 | 360        | ug/Kg    |
| 205-99-2          | Benzo(b)fluoranthene        | 1800   |           | 40     | 46.4 | 190        | ug/Kg    |
| 207-08-9          | Benzo(k)fluoranthene        | 1600   |           | 42     | 46.4 | 190        | ug/Kg    |
| 50-32-8           | Benzo(a)pyrene              | 910    |           | 34     | 46.4 | 190        | ug/Kg    |
| 193-39-5          | Indeno(1,2,3-cd)pyrene      | 1300   |           | 31     | 46.4 | 190        | ug/Kg    |
| 53-70-3           | Dibenzo(a,h)anthracene      | 1500   |           | 28     | 46.4 | 190        | ug/Kg    |
| 191-24-2          | Benzo(g,h,i)perylene        | 170    | J         | 35     | 46.4 | 190        | ug/Kg    |
| 58-90-2           | 2,3,4,6-Tetrachlorophenol   | 1300   |           | 39     | 46.4 | 190        | ug/Kg    |
| <b>SURROGATES</b> |                             |        |           |        |      |            |          |
| 17647-74-4        | 1,4-Dioxane-d8              | 3.758  |           | 15-120 |      | 47         | SPK: -8  |
| 7291-22-7         | Pyridine-d5                 | 6.504  | *         | 20-120 |      | 16         | SPK: -40 |
| 4165-62-2         | Phenol-d5                   | 26.389 |           | 10-130 |      | 66         | SPK: -40 |
| 93952-02-4        | Bis-(2-Chloroethyl)ether-d8 | 23.232 |           | 10-150 |      | 58         | SPK: -40 |
| 93951-73-6        | 2-Chlorophenol-d4           | 26.896 |           | 15-120 |      | 67         | SPK: -40 |
| 190780-66-6       | 4-Methylphenol-d8           | 25.293 |           | 10-140 |      | 63         | SPK: -40 |
| 4165-60-0         | Nitrobenzene-d5             | 28.992 |           | 10-135 |      | 72         | SPK: -40 |
| 93951-78-1        | 2-Nitrophenol-d4            | 30.993 |           | 10-120 |      | 77         | SPK: -40 |
| 93951-74-7        | 2,4-Dichlorophenol-d3       | 31.897 |           | 10-140 |      | 80         | SPK: -40 |
| 191656-33-4       | 4-Chloroaniline-d4          | 15.051 |           | 1-145  |      | 38         | SPK: -40 |
| 85448-30-2        | Dimethylphthalate-d6        | 27.626 |           | 10-145 |      | 69         | SPK: -40 |
| 93951-97-4        | Acenaphthylene-d8           | 28.875 |           | 15-120 |      | 72         | SPK: -40 |
| 93951-79-2        | 4-Nitrophenol-d4            | 26.675 |           | 10-150 |      | 67         | SPK: -40 |
| 81103-79-9        | Fluorene-d10                | 28.052 |           | 20-140 |      | 70         | SPK: -40 |

## Report of Analysis

|                    |                     |                 |                       |
|--------------------|---------------------|-----------------|-----------------------|
| Client:            |                     | Date Collected: | 6/26/2024 12:00:00 AM |
| Project:           |                     | Date Received:  | 6/26/2024 12:00:00 AM |
| Client Sample ID:  | A4CE1MSD            | SDG No.:        | BG071024              |
| Lab Sample ID:     | P3102-04MSD         | Matrix:         | Solid                 |
| Analytical Method: | SFAM_SVOC           | % Moisture:     | 8.7                   |
| Sample Wt/Vol:     | 30.07      Units: g | Final Vol:      | 500      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 |
| BG061995.D        | 1         | 7/3/2024 12:00:00 AM | 7/10/2024 12:00:00 AM | PB161916      |

| CAS Number                            | Parameter                     | Conc.  | Qualifier | MDL    | LOD | LOQ / CRQL | Units    |
|---------------------------------------|-------------------------------|--------|-----------|--------|-----|------------|----------|
| 93951-76-9                            | 4,6-Dinitro-2-methylphenol-d2 | 33.12  |           | 10-130 |     | 83         | SPK: -40 |
| 1719-06-8                             | Anthracene-d10                | 28.663 |           | 10-150 |     | 72         | SPK: -40 |
| 1718-52-1                             | Pyrene-d10                    | 26.205 |           | 10-130 |     | 66         | SPK: -40 |
| 63466-71-7                            | Benzo(a)pyrene-d12            | 19.657 |           | 10-140 |     | 49         | SPK: -40 |
| <b>INTERNAL STANDARDS</b>             |                               |        |           |        |     |            |          |
| 3855-82-1                             | 1,4-Dichlorobenzene-d4        | 49752  | 8.096     |        |     |            |          |
| 1146-65-2                             | Naphthalene-d8                | 250612 | 10.911    |        |     |            |          |
| 15067-26-2                            | Acenaphthene-d10              | 174608 | 14.718    |        |     |            |          |
| 1517-22-2                             | Phenanthrene-d10              | 378891 | 17.462    |        |     |            |          |
| 1719-03-5                             | Chrysene-d12                  | 322337 | 21.721    |        |     |            |          |
| 1520-96-3                             | Perylene-d12                  | 398703 | 24.959    |        |     |            |          |
| <b>TENTATIVE IDENTIFIED COMPOUNDS</b> |                               |        |           |        |     |            |          |
| E966796                               | Total Alkanes                 | 28     | U         |        |     | 99         | ug/Kg    |

## Report of Analysis

|                    |                        |                 |                         |
|--------------------|------------------------|-----------------|-------------------------|
| Client:            |                        | Date Collected: | 6/26/2024 12:00:00 AM   |
| Project:           |                        | Date Received:  | 6/26/2024 12:00:00 AM   |
| Client Sample ID:  | H0HC4                  | SDG No.:        | BG071024                |
| Lab Sample ID:     | P3109-06               | Matrix:         | Water                   |
| Analytical Method: | SFAM_SVOC              | % Moisture:     | 100                     |
| Sample Wt/Vol:     | 1000      Units:    mL | Final Vol:      | 1000      uL            |
| Soil Aliquot Vol:  | uL                     | Test:           |                         |
| Extraction Type :  |                        | Decanted :      | Level :      LOW        |
| Injection Volume : |                        | GPC Factor :    | GPC Cleanup :      PH : |

|                   |           |                       |                       |               |
|-------------------|-----------|-----------------------|-----------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date             | Date Analyzed         | Prep Batch ID |
| BG061996.D        | 1         | 6/27/2024 12:00:00 AM | 7/10/2024 12:00:00 AM | PB161825      |

| CAS Number     | Parameter                   | Conc. | Qualifier | MDL  | LOD | LOQ / CRQL | Units |
|----------------|-----------------------------|-------|-----------|------|-----|------------|-------|
| <b>TARGETS</b> |                             |       |           |      |     |            |       |
| 123-91-1       | 1,4-Dioxane                 | 1.2   | U         | 1.2  | 0.5 | 2          | ug/L  |
| 100-52-7       | Benzaldehyde                | 2.3   | U         | 2.3  | 5   | 10         | ug/L  |
| 110-86-1       | Pyridine                    | 2.2   | U         | 2.2  | 10  | 10         | ug/L  |
| 108-95-2       | Phenol                      | 1.5   | U         | 1.5  | 5   | 10         | ug/L  |
| 111-44-4       | Bis(2-Chloroethyl)ether     | 1.3   | U         | 1.3  | 5   | 10         | ug/L  |
| 95-57-8        | 2-Chlorophenol              | 1.2   | U         | 1.2  | 2.5 | 5          | ug/L  |
| 95-48-7        | 2-Methylphenol              | 0.82  | U         | 0.82 | 5   | 10         | ug/L  |
| 108-60-1       | 2,2-oxybis(1-Chloropropane) | 1.2   | U         | 1.2  | 5   | 10         | ug/L  |
| 98-86-2        | Acetophenone                | 0.89  | U         | 0.89 | 5   | 10         | ug/L  |
| 106-44-5       | 4-Methylphenol              | 1.2   | U         | 1.2  | 5   | 10         | ug/L  |
| 621-64-7       | N-Nitroso-di-n-propylamine  | 1.5   | U         | 1.5  | 2.5 | 5          | ug/L  |
| 67-72-1        | Hexachloroethane            | 1.5   | U         | 1.5  | 2.5 | 5          | ug/L  |
| 98-95-3        | Nitrobenzene                | 0.99  | U         | 0.99 | 2.5 | 5          | ug/L  |
| 78-59-1        | Isophorone                  | 1.1   | U         | 1.1  | 2.5 | 5          | ug/L  |
| 88-75-5        | 2-Nitrophenol               | 1.2   | U         | 1.2  | 2.5 | 5          | ug/L  |
| 105-67-9       | 2,4-Dimethylphenol          | 1.1   | U         | 1.1  | 2.5 | 5          | ug/L  |
| 111-91-1       | Bis(2-Chloroethoxy)methane  | 1.2   | U         | 1.2  | 2.5 | 5          | ug/L  |
| 120-83-2       | 2,4-Dichlorophenol          | 0.93  | U         | 0.93 | 2.5 | 5          | ug/L  |
| 91-20-3        | Naphthalene                 | 0.7   | U         | 0.7  | 2.5 | 5          | ug/L  |
| 106-47-8       | 4-Chloroaniline             | 1.8   | U         | 1.8  | 2.5 | 10         | ug/L  |
| 87-68-3        | Hexachlorobutadiene         | 0.98  | U         | 0.98 | 2.5 | 5          | ug/L  |
| 105-60-2       | Caprolactam                 | 2.9   | U         | 2.9  | 5   | 10         | ug/L  |
| 59-50-7        | 4-Chloro-3-methylphenol     | 2     | U         | 2    | 2.5 | 5          | ug/L  |
| 90-12-0        | 1-Methylnaphthalene         | 1     | U         | 1    | 2.5 | 5          | ug/L  |
| 91-57-6        | 2-Methylnaphthalene         | 1.6   | U         | 1.6  | 2.5 | 5          | ug/L  |
| 77-47-4        | Hexachlorocyclopentadiene   | 3.1   | U         | 3.1  | 5   | 10         | ug/L  |
| 88-06-2        | 2,4,6-Trichlorophenol       | 0.81  | U         | 0.81 | 2.5 | 5          | ug/L  |
| 95-95-4        | 2,4,5-Trichlorophenol       | 0.8   | U         | 0.8  | 2.5 | 5          | ug/L  |

## Report of Analysis

|                    |                        |                 |                       |
|--------------------|------------------------|-----------------|-----------------------|
| Client:            |                        | Date Collected: | 6/26/2024 12:00:00 AM |
| Project:           |                        | Date Received:  | 6/26/2024 12:00:00 AM |
| Client Sample ID:  | H0HC4                  | SDG No.:        | BG071024              |
| Lab Sample ID:     | P3109-06               | Matrix:         | Water                 |
| Analytical Method: | SFAM_SVOC              | % Moisture:     | 100                   |
| Sample Wt/Vol:     | 1000      Units:    mL | Final Vol:      | 1000      uL          |
| Soil Aliquot Vol:  | uL                     | Test:           |                       |
| Extraction Type :  | Decanted :             | Level :         | LOW                   |
| Injection Volume : | GPC Factor :           | GPC Cleanup :   | PH :                  |

|                   |           |                       |                       |               |
|-------------------|-----------|-----------------------|-----------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date             | Date Analyzed         | Prep Batch ID |
| BG061996.D        | 1         | 6/27/2024 12:00:00 AM | 7/10/2024 12:00:00 AM | PB161825      |

| CAS Number | Parameter                  | Conc. | Qualifier | MDL  | LOD | LOQ / CRQL | Units |
|------------|----------------------------|-------|-----------|------|-----|------------|-------|
| 92-52-4    | 1,1-Biphenyl               | 0.99  | U         | 0.99 | 2.5 | 5          | ug/L  |
| 91-58-7    | 2-Chloronaphthalene        | 1.1   | U         | 1.1  | 2.5 | 5          | ug/L  |
| 88-74-4    | 2-Nitroaniline             | 1.7   | U         | 1.7  | 2.5 | 5          | ug/L  |
| 131-11-3   | Dimethylphthalate          | 1.3   | U         | 1.3  | 2.5 | 5          | ug/L  |
| 606-20-2   | 2,6-Dinitrotoluene         | 1.3   | U         | 1.3  | 2.5 | 5          | ug/L  |
| 208-96-8   | Acenaphthylene             | 1.1   | U         | 1.1  | 2.5 | 5          | ug/L  |
| 99-09-2    | 3-Nitroaniline             | 1.5   | U         | 1.5  | 5   | 10         | ug/L  |
| 83-32-9    | Acenaphthene               | 1.1   | U         | 1.1  | 2.5 | 5          | ug/L  |
| 51-28-5    | 2,4-Dinitrophenol          | 2.8   | U         | 2.8  | 5   | 10         | ug/L  |
| 100-02-7   | 4-Nitrophenol              | 1.4   | U         | 1.4  | 5   | 10         | ug/L  |
| 132-64-9   | Dibenzofuran               | 0.87  | U         | 0.87 | 2.5 | 5          | ug/L  |
| 121-14-2   | 2,4-Dinitrotoluene         | 1.1   | U         | 1.1  | 2.5 | 5          | ug/L  |
| 84-66-2    | Diethylphthalate           | 0.87  | U         | 0.87 | 2.5 | 5          | ug/L  |
| 86-73-7    | Fluorene                   | 0.87  | U         | 0.87 | 2.5 | 5          | ug/L  |
| 7005-72-3  | 4-Chlorophenyl-phenylether | 0.96  | U         | 0.96 | 2.5 | 5          | ug/L  |
| 100-01-6   | 4-Nitroaniline             | 1.2   | U         | 1.2  | 5   | 10         | ug/L  |
| 534-52-1   | 4,6-Dinitro-2-methylphenol | 1.2   | U         | 1.2  | 5   | 10         | ug/L  |
| 86-30-6    | N-Nitrosodiphenylamine     | 0.71  | U         | 0.71 | 2.5 | 5          | ug/L  |
| 95-94-3    | 1,2,4,5-Tetrachlorobenzene | 0.9   | U         | 0.9  | 2.5 | 5          | ug/L  |
| 101-55-3   | 4-Bromophenyl-phenylether  | 1.4   | U         | 1.4  | 2.5 | 5          | ug/L  |
| 118-74-1   | Hexachlorobenzene          | 0.56  | U         | 0.56 | 2.5 | 5          | ug/L  |
| 1912-24-9  | Atrazine                   | 0.96  | U         | 0.96 | 5   | 10         | ug/L  |
| 87-86-5    | Pentachlorophenol          | 2.5   | U         | 2.5  | 5   | 10         | ug/L  |
| 85-01-8    | Phenanthrene               | 0.97  | U         | 0.97 | 2.5 | 5          | ug/L  |
| 608-93-5   | Pentachlorobenzene         | 1.2   | U         | 1.2  | 2.5 | 5          | ug/L  |
| 120-12-7   | Anthracene                 | 0.72  | U         | 0.72 | 2.5 | 5          | ug/L  |
| 634-66-2   | 1,2,3,4-Tetrachlorobenzene | 0.92  | U         | 0.92 | 2.5 | 5          | ug/L  |
| 86-74-8    | Carbazole                  | 1     | U         | 1    | 5   | 10         | ug/L  |
| 84-74-2    | Di-n-butylphthalate        | 0.81  | U         | 0.81 | 2.5 | 5          | ug/L  |
| 206-44-0   | Fluoranthene               | 0.65  | U         | 0.65 | 5   | 5          | ug/L  |



## Report of Analysis

|                    |                        |                 |                       |
|--------------------|------------------------|-----------------|-----------------------|
| Client:            |                        | Date Collected: | 6/26/2024 12:00:00 AM |
| Project:           |                        | Date Received:  | 6/26/2024 12:00:00 AM |
| Client Sample ID:  | H0HC4                  | SDG No.:        | BG071024              |
| Lab Sample ID:     | P3109-06               | Matrix:         | Water                 |
| Analytical Method: | SFAM_SVOC              | % Moisture:     | 100                   |
| Sample Wt/Vol:     | 1000      Units:    mL | Final Vol:      | 1000      uL          |
| Soil Aliquot Vol:  | uL                     | Test:           |                       |
| Extraction Type :  | Decanted :             | Level :         | LOW                   |
| Injection Volume : | GPC Factor :           | GPC Cleanup :   | PH :                  |

|                   |           |                       |                       |               |
|-------------------|-----------|-----------------------|-----------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date             | Date Analyzed         | Prep Batch ID |
| BG061996.D        | 1         | 6/27/2024 12:00:00 AM | 7/10/2024 12:00:00 AM | PB161825      |

| CAS Number        | Parameter                   | Conc.  | Qualifier | MDL    | LOD | LOQ / CRQL | Units    |
|-------------------|-----------------------------|--------|-----------|--------|-----|------------|----------|
| 129-00-0          | Pyrene                      | 0.53   | U         | 0.53   | 2.5 | 5          | ug/L     |
| 85-68-7           | Butylbenzylphthalate        | 0.97   | U         | 0.97   | 2.5 | 5          | ug/L     |
| 91-94-1           | 3,3-Dichlorobenzidine       | 1.7    | U         | 1.7    | 5   | 10         | ug/L     |
| 56-55-3           | Benzo(a)anthracene          | 0.56   | U         | 0.56   | 2.5 | 5          | ug/L     |
| 218-01-9          | Chrysene                    | 0.75   | U         | 0.75   | 2.5 | 5          | ug/L     |
| 117-81-7          | Bis(2-ethylhexyl)phthalate  | 0.87   | U         | 0.87   | 2.5 | 5          | ug/L     |
| 117-84-0          | Di-n-octyl phthalate        | 1.5    | U         | 1.5    | 5   | 10         | ug/L     |
| 205-99-2          | Benzo(b)fluoranthene        | 1.1    | U         | 1.1    | 2.5 | 5          | ug/L     |
| 207-08-9          | Benzo(k)fluoranthene        | 1.1    | U         | 1.1    | 2.5 | 5          | ug/L     |
| 50-32-8           | Benzo(a)pyrene              | 1.1    | U         | 1.1    | 2.5 | 5          | ug/L     |
| 193-39-5          | Indeno(1,2,3-cd)pyrene      | 1.4    | U         | 1.4    | 2.5 | 5          | ug/L     |
| 53-70-3           | Dibenzo(a,h)anthracene      | 1.2    | U         | 1.2    | 2.5 | 5          | ug/L     |
| 191-24-2          | Benzo(g,h,i)perylene        | 1.1    | U         | 1.1    | 2.5 | 5          | ug/L     |
| 58-90-2           | 2,3,4,6-Tetrachlorophenol   | 1      | U         | 1      | 2.5 | 5          | ug/L     |
| <b>SURROGATES</b> |                             |        |           |        |     |            |          |
| 17647-74-4        | 1,4-Dioxane-d8              | 4.003  |           | 15-120 |     | 50         | SPK: -8  |
| 7291-22-7         | Pyridine-d5                 | 7.381  | *         | 20-120 |     | 18         | SPK: -40 |
| 4165-62-2         | Phenol-d5                   | 10.85  |           | 10-130 |     | 27         | SPK: -40 |
| 93952-02-4        | Bis-(2-Chloroethyl)ether-d8 | 24.85  |           | 25-120 |     | 62         | SPK: -40 |
| 93951-73-6        | 2-Chlorophenol-d4           | 27.39  |           | 20-130 |     | 68         | SPK: -40 |
| 190780-66-6       | 4-Methylphenol-d8           | 22.865 |           | 25-125 |     | 57         | SPK: -40 |
| 4165-60-0         | Nitrobenzene-d5             | 29.531 |           | 20-125 |     | 74         | SPK: -40 |
| 93951-78-1        | 2-Nitrophenol-d4            | 32.58  |           | 20-130 |     | 81         | SPK: -40 |
| 93951-74-7        | 2,4-Dichlorophenol-d3       | 31.646 |           | 20-120 |     | 79         | SPK: -40 |
| 191656-33-4       | 4-Chloroaniline-d4          | 19.438 |           | 1-146  |     | 49         | SPK: -40 |
| 85448-30-2        | Dimethylphthalate-d6        | 31.706 |           | 25-130 |     | 79         | SPK: -40 |
| 93951-97-4        | Acenaphthylene-d8           | 31.725 |           | 10-130 |     | 79         | SPK: -40 |
| 93951-79-2        | 4-Nitrophenol-d4            | 11.694 |           | 10-150 |     | 29         | SPK: -40 |
| 81103-79-9        | Fluorene-d10                | 32.479 |           | 25-125 |     | 81         | SPK: -40 |

## Report of Analysis

|                    |                        |                 |                       |
|--------------------|------------------------|-----------------|-----------------------|
| Client:            |                        | Date Collected: | 6/26/2024 12:00:00 AM |
| Project:           |                        | Date Received:  | 6/26/2024 12:00:00 AM |
| Client Sample ID:  | H0HC4                  | SDG No.:        | BG071024              |
| Lab Sample ID:     | P3109-06               | Matrix:         | Water                 |
| Analytical Method: | SFAM_SVOC              | % Moisture:     | 100                   |
| Sample Wt/Vol:     | 1000      Units:    mL | Final Vol:      | 1000      uL          |
| Soil Aliquot Vol:  | uL                     | Test:           |                       |
| Extraction Type :  | Decanted :             | Level :         | LOW                   |
| Injection Volume : | GPC Factor :           | GPC Cleanup :   | PH :                  |

|                   |           |                       |                       |               |
|-------------------|-----------|-----------------------|-----------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date             | Date Analyzed         | Prep Batch ID |
| BG061996.D        | 1         | 6/27/2024 12:00:00 AM | 7/10/2024 12:00:00 AM | PB161825      |

| CAS Number                            | Parameter                          | Conc.  | Qualifier | MDL    | LOD | LOQ / CRQL | Units    |
|---------------------------------------|------------------------------------|--------|-----------|--------|-----|------------|----------|
| 93951-76-9                            | 4,6-Dinitro-2-methylphenol-d2      | 35.628 |           | 10-130 |     | 89         | SPK: -40 |
| 1719-06-8                             | Anthracene-d10                     | 34.692 |           | 25-130 |     | 87         | SPK: -40 |
| 1718-52-1                             | Pyrene-d10                         | 35.33  |           | 15-130 |     | 88         | SPK: -40 |
| 63466-71-7                            | Benzo(a)pyrene-d12                 | 37.223 |           | 20-130 |     | 93         | SPK: -40 |
| <b>INTERNAL STANDARDS</b>             |                                    |        |           |        |     |            |          |
| 3855-82-1                             | 1,4-Dichlorobenzene-d4             | 46997  | 8.095     |        |     |            |          |
| 1146-65-2                             | Naphthalene-d8                     | 240870 | 10.909    |        |     |            |          |
| 15067-26-2                            | Acenaphthene-d10                   | 175784 | 14.716    |        |     |            |          |
| 1517-22-2                             | Phenanthrene-d10                   | 396276 | 17.46     |        |     |            |          |
| 1719-03-5                             | Chrysene-d12                       | 352888 | 21.72     |        |     |            |          |
| 1520-96-3                             | Perylene-d12                       | 425793 | 24.957    |        |     |            |          |
| <b>TENTATIVE IDENTIFIED COMPOUNDS</b> |                                    |        |           |        |     |            |          |
| 000590-36-3                           | 2-Pentanol, 2-methyl-              | 6      | J         |        |     | 3.764      |          |
|                                       | (DEL) Alkane: Straight-Chain3.993  | 2.9    | J         |        |     | 3.993      |          |
| 018217-12-4                           | 2-Heptanone, 5-methyl-             | 4.2    | J         |        |     | 4.093      |          |
|                                       | unknown-01                         | 2.4    | J         |        |     | 4.981      |          |
| 000595-41-5                           | 3-Pentanol, 2,3-dimethyl-          | 2.5    | J         |        |     | 5.227      |          |
|                                       | unknown-02                         | 6.3    | J         |        |     | 7.507      |          |
| 068443-63-0                           | Butyl 2-ethylhexanoate             | 100    | J         |        |     | 8.459      |          |
|                                       | unknown-03                         | 22     | J         |        |     | 9.117      |          |
|                                       | unknown-04                         | 49     | J         |        |     | 9.211      |          |
| 061142-33-4                           | Cyclopentene, 1,4-dimethyl-5-(1-me | 4.3    | J         |        |     | 9.405      |          |
|                                       | unknown-05                         | 2.5    | J         |        |     | 9.452      |          |
| 006894-69-5                           | 2-Cyclopentene-1-carboxylic acid,  | 3      | J         |        |     | 10.803     |          |
| 071042-74-5                           | 4-Indancarboxylic acid, 7-methyl-  | 4.4    | J         |        |     | 16.085     |          |
| 000057-11-4                           | Octadecanoic acid                  | 2      | J         |        |     | 18.336     |          |
| E966796                               | Total Alkanes                      | 2.9    |           |        |     | 99         | ug/L     |

## Report of Analysis

|                    |                        |                 |                       |
|--------------------|------------------------|-----------------|-----------------------|
| Client:            |                        | Date Collected: | 6/26/2024 12:00:00 AM |
| Project:           |                        | Date Received:  | 6/26/2024 12:00:00 AM |
| Client Sample ID:  | H0HC4MS                | SDG No.:        | BG071024              |
| Lab Sample ID:     | P3109-07MS             | Matrix:         | Water                 |
| Analytical Method: | SFAM_SVOC              | % Moisture:     | 100                   |
| Sample Wt/Vol:     | 1000      Units:    mL | Final Vol:      | 1000              uL  |
| Soil Aliquot Vol:  | uL                     | Test:           |                       |
| Extraction Type :  | Decanted :             | Level :         | LOW                   |
| Injection Volume : | GPC Factor :           | GPC Cleanup :   | PH :                  |

|                   |           |                       |                       |               |
|-------------------|-----------|-----------------------|-----------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date             | Date Analyzed         | Prep Batch ID |
| BG061997.D        | 1         | 6/27/2024 12:00:00 AM | 7/10/2024 12:00:00 AM | PB161825      |

| CAS Number     | Parameter                   | Conc. | Qualifier | MDL  | LOD | LOQ / CRQL | Units |
|----------------|-----------------------------|-------|-----------|------|-----|------------|-------|
| <b>TARGETS</b> |                             |       |           |      |     |            |       |
| 123-91-1       | 1,4-Dioxane                 | 4     |           | 1.2  | 0.5 | 2          | ug/L  |
| 100-52-7       | Benzaldehyde                | 22    |           | 2.3  | 5   | 10         | ug/L  |
| 110-86-1       | Pyridine                    | 2.2   | U         | 2.2  | 10  | 10         | ug/L  |
| 108-95-2       | Phenol                      | 10    |           | 1.5  | 5   | 10         | ug/L  |
| 111-44-4       | Bis(2-Chloroethyl)ether     | 28    |           | 1.3  | 5   | 10         | ug/L  |
| 95-57-8        | 2-Chlorophenol              | 31    |           | 1.2  | 2.5 | 5          | ug/L  |
| 95-48-7        | 2-Methylphenol              | 25    |           | 0.82 | 5   | 10         | ug/L  |
| 108-60-1       | 2,2-oxybis(1-Chloropropane) | 26    |           | 1.2  | 5   | 10         | ug/L  |
| 98-86-2        | Acetophenone                | 31    |           | 0.89 | 5   | 10         | ug/L  |
| 106-44-5       | 4-Methylphenol              | 22    |           | 1.2  | 5   | 10         | ug/L  |
| 621-64-7       | N-Nitroso-di-n-propylamine  | 29    |           | 1.5  | 2.5 | 5          | ug/L  |
| 67-72-1        | Hexachloroethane            | 32    |           | 1.5  | 2.5 | 5          | ug/L  |
| 98-95-3        | Nitrobenzene                | 34    |           | 0.99 | 2.5 | 5          | ug/L  |
| 78-59-1        | Isophorone                  | 30    |           | 1.1  | 2.5 | 5          | ug/L  |
| 88-75-5        | 2-Nitrophenol               | 37    |           | 1.2  | 2.5 | 5          | ug/L  |
| 105-67-9       | 2,4-Dimethylphenol          | 25    |           | 1.1  | 2.5 | 5          | ug/L  |
| 111-91-1       | Bis(2-Chloroethoxy)methane  | 30    |           | 1.2  | 2.5 | 5          | ug/L  |
| 120-83-2       | 2,4-Dichlorophenol          | 37    |           | 0.93 | 2.5 | 5          | ug/L  |
| 91-20-3        | Naphthalene                 | 34    |           | 0.7  | 2.5 | 5          | ug/L  |
| 106-47-8       | 4-Chloroaniline             | 8.9   | J         | 1.8  | 2.5 | 10         | ug/L  |
| 87-68-3        | Hexachlorobutadiene         | 37    |           | 0.98 | 2.5 | 5          | ug/L  |
| 105-60-2       | Caprolactam                 | 4.2   | J         | 2.9  | 5   | 10         | ug/L  |
| 59-50-7        | 4-Chloro-3-methylphenol     | 37    |           | 2    | 2.5 | 5          | ug/L  |
| 90-12-0        | 1-Methylnaphthalene         | 35    |           | 1    | 2.5 | 5          | ug/L  |
| 91-57-6        | 2-Methylnaphthalene         | 35    |           | 1.6  | 2.5 | 5          | ug/L  |
| 77-47-4        | Hexachlorocyclopentadiene   | 18    |           | 3.1  | 5   | 10         | ug/L  |
| 88-06-2        | 2,4,6-Trichlorophenol       | 40    |           | 0.81 | 2.5 | 5          | ug/L  |
| 95-95-4        | 2,4,5-Trichlorophenol       | 41    |           | 0.8  | 2.5 | 5          | ug/L  |

## Report of Analysis

|                    |                        |                 |                       |
|--------------------|------------------------|-----------------|-----------------------|
| Client:            |                        | Date Collected: | 6/26/2024 12:00:00 AM |
| Project:           |                        | Date Received:  | 6/26/2024 12:00:00 AM |
| Client Sample ID:  | H0HC4MS                | SDG No.:        | BG071024              |
| Lab Sample ID:     | P3109-07MS             | Matrix:         | Water                 |
| Analytical Method: | SFAM_SVOC              | % Moisture:     | 100                   |
| Sample Wt/Vol:     | 1000      Units:    mL | Final Vol:      | 1000      uL          |
| Soil Aliquot Vol:  | uL                     | Test:           |                       |
| Extraction Type :  | Decanted :             | Level :         | LOW                   |
| Injection Volume : | GPC Factor :           | GPC Cleanup :   | PH :                  |

|                   |           |                       |                       |               |
|-------------------|-----------|-----------------------|-----------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date             | Date Analyzed         | Prep Batch ID |
| BG061997.D        | 1         | 6/27/2024 12:00:00 AM | 7/10/2024 12:00:00 AM | PB161825      |

| CAS Number | Parameter                  | Conc. | Qualifier | MDL  | LOD | LOQ / CRQL | Units |
|------------|----------------------------|-------|-----------|------|-----|------------|-------|
| 92-52-4    | 1,1-Biphenyl               | 36    |           | 0.99 | 2.5 | 5          | ug/L  |
| 91-58-7    | 2-Chloronaphthalene        | 36    |           | 1.1  | 2.5 | 5          | ug/L  |
| 88-74-4    | 2-Nitroaniline             | 43    |           | 1.7  | 2.5 | 5          | ug/L  |
| 131-11-3   | Dimethylphthalate          | 37    |           | 1.3  | 2.5 | 5          | ug/L  |
| 606-20-2   | 2,6-Dinitrotoluene         | 42    |           | 1.3  | 2.5 | 5          | ug/L  |
| 208-96-8   | Acenaphthylene             | 36    |           | 1.1  | 2.5 | 5          | ug/L  |
| 99-09-2    | 3-Nitroaniline             | 34    |           | 1.5  | 5   | 10         | ug/L  |
| 83-32-9    | Acenaphthene               | 36    |           | 1.1  | 2.5 | 5          | ug/L  |
| 51-28-5    | 2,4-Dinitrophenol          | 43    |           | 2.8  | 5   | 10         | ug/L  |
| 100-02-7   | 4-Nitrophenol              | 16    |           | 1.4  | 5   | 10         | ug/L  |
| 132-64-9   | Dibenzofuran               | 37    |           | 0.87 | 2.5 | 5          | ug/L  |
| 121-14-2   | 2,4-Dinitrotoluene         | 44    |           | 1.1  | 2.5 | 5          | ug/L  |
| 84-66-2    | Diethylphthalate           | 36    |           | 0.87 | 2.5 | 5          | ug/L  |
| 86-73-7    | Fluorene                   | 37    |           | 0.87 | 2.5 | 5          | ug/L  |
| 7005-72-3  | 4-Chlorophenyl-phenylether | 38    |           | 0.96 | 2.5 | 5          | ug/L  |
| 100-01-6   | 4-Nitroaniline             | 39    |           | 1.2  | 5   | 10         | ug/L  |
| 534-52-1   | 4,6-Dinitro-2-methylphenol | 47    |           | 1.2  | 5   | 10         | ug/L  |
| 86-30-6    | N-Nitrosodiphenylamine     | 43    |           | 0.71 | 2.5 | 5          | ug/L  |
| 95-94-3    | 1,2,4,5-Tetrachlorobenzene | 39    |           | 0.9  | 2.5 | 5          | ug/L  |
| 101-55-3   | 4-Bromophenyl-phenylether  | 44    |           | 1.4  | 2.5 | 5          | ug/L  |
| 118-74-1   | Hexachlorobenzene          | 45    |           | 0.56 | 2.5 | 5          | ug/L  |
| 1912-24-9  | Atrazine                   | 30    |           | 0.96 | 5   | 10         | ug/L  |
| 87-86-5    | Pentachlorophenol          | 45    |           | 2.5  | 5   | 10         | ug/L  |
| 85-01-8    | Phenanthrene               | 40    |           | 0.97 | 2.5 | 5          | ug/L  |
| 608-93-5   | Pentachlorobenzene         | 42    |           | 1.2  | 2.5 | 5          | ug/L  |
| 120-12-7   | Anthracene                 | 39    |           | 0.72 | 2.5 | 5          | ug/L  |
| 634-66-2   | 1,2,3,4-Tetrachlorobenzene | 47    |           | 0.92 | 2.5 | 5          | ug/L  |
| 86-74-8    | Carbazole                  | 42    |           | 1    | 5   | 10         | ug/L  |
| 84-74-2    | Di-n-butylphthalate        | 41    |           | 0.81 | 2.5 | 5          | ug/L  |
| 206-44-0   | Fluoranthene               | 40    |           | 0.65 | 5   | 5          | ug/L  |

## Report of Analysis

|                    |                        |                 |                       |
|--------------------|------------------------|-----------------|-----------------------|
| Client:            |                        | Date Collected: | 6/26/2024 12:00:00 AM |
| Project:           |                        | Date Received:  | 6/26/2024 12:00:00 AM |
| Client Sample ID:  | H0HC4MS                | SDG No.:        | BG071024              |
| Lab Sample ID:     | P3109-07MS             | Matrix:         | Water                 |
| Analytical Method: | SFAM_SVOC              | % Moisture:     | 100                   |
| Sample Wt/Vol:     | 1000      Units:    mL | Final Vol:      | 1000      uL          |
| Soil Aliquot Vol:  | uL                     | Test:           |                       |
| Extraction Type :  | Decanted :             | Level :         | LOW                   |
| Injection Volume : | GPC Factor :           | GPC Cleanup :   | PH :                  |

|                   |           |                       |                       |               |
|-------------------|-----------|-----------------------|-----------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date             | Date Analyzed         | Prep Batch ID |
| BG061997.D        | 1         | 6/27/2024 12:00:00 AM | 7/10/2024 12:00:00 AM | PB161825      |

| CAS Number        | Parameter                   | Conc.  | Qualifier | MDL    | LOD | LOQ / CRQL | Units    |
|-------------------|-----------------------------|--------|-----------|--------|-----|------------|----------|
| 129-00-0          | Pyrene                      | 40     |           | 0.53   | 2.5 | 5          | ug/L     |
| 85-68-7           | Butylbenzylphthalate        | 39     |           | 0.97   | 2.5 | 5          | ug/L     |
| 91-94-1           | 3,3-Dichlorobenzidine       | 28     |           | 1.7    | 5   | 10         | ug/L     |
| 56-55-3           | Benzo(a)anthracene          | 41     |           | 0.56   | 2.5 | 5          | ug/L     |
| 218-01-9          | Chrysene                    | 42     |           | 0.75   | 2.5 | 5          | ug/L     |
| 117-81-7          | Bis(2-ethylhexyl)phthalate  | 39     |           | 0.87   | 2.5 | 5          | ug/L     |
| 117-84-0          | Di-n-octyl phthalate        | 40     |           | 1.5    | 5   | 10         | ug/L     |
| 205-99-2          | Benzo(b)fluoranthene        | 41     |           | 1.1    | 2.5 | 5          | ug/L     |
| 207-08-9          | Benzo(k)fluoranthene        | 41     |           | 1.1    | 2.5 | 5          | ug/L     |
| 50-32-8           | Benzo(a)pyrene              | 37     |           | 1.1    | 2.5 | 5          | ug/L     |
| 193-39-5          | Indeno(1,2,3-cd)pyrene      | 42     |           | 1.4    | 2.5 | 5          | ug/L     |
| 53-70-3           | Dibenzo(a,h)anthracene      | 41     |           | 1.2    | 2.5 | 5          | ug/L     |
| 191-24-2          | Benzo(g,h,i)perylene        | 40     |           | 1.1    | 2.5 | 5          | ug/L     |
| 58-90-2           | 2,3,4,6-Tetrachlorophenol   | 39     |           | 1      | 2.5 | 5          | ug/L     |
| <b>SURROGATES</b> |                             |        |           |        |     |            |          |
| 17647-74-4        | 1,4-Dioxane-d8              | 2.147  |           | 15-120 |     | 27         | SPK: -8  |
| 7291-22-7         | Pyridine-d5                 | 0.022  | U         | 20-120 |     | 0          | SPK: -40 |
| 4165-62-2         | Phenol-d5                   | 9.736  |           | 10-130 |     | 24         | SPK: -40 |
| 93952-02-4        | Bis-(2-Chloroethyl)ether-d8 | 28.442 |           | 25-120 |     | 71         | SPK: -40 |
| 93951-73-6        | 2-Chlorophenol-d4           | 31.102 |           | 20-130 |     | 78         | SPK: -40 |
| 190780-66-6       | 4-Methylphenol-d8           | 20.722 |           | 25-125 |     | 52         | SPK: -40 |
| 4165-60-0         | Nitrobenzene-d5             | 38.033 |           | 20-125 |     | 95         | SPK: -40 |
| 93951-78-1        | 2-Nitrophenol-d4            | 37.13  |           | 20-130 |     | 93         | SPK: -40 |
| 93951-74-7        | 2,4-Dichlorophenol-d3       | 37.814 |           | 20-120 |     | 95         | SPK: -40 |
| 191656-33-4       | 4-Chloroaniline-d4          | 5.972  |           | 1-146  |     | 15         | SPK: -40 |
| 85448-30-2        | Dimethylphthalate-d6        | 37.566 |           | 25-130 |     | 94         | SPK: -40 |
| 93951-97-4        | Acenaphthylene-d8           | 37.364 |           | 10-130 |     | 93         | SPK: -40 |
| 93951-79-2        | 4-Nitrophenol-d4            | 12.843 |           | 10-150 |     | 32         | SPK: -40 |
| 81103-79-9        | Fluorene-d10                | 37.917 |           | 25-125 |     | 95         | SPK: -40 |

## Report of Analysis

|                    |                        |                 |                       |
|--------------------|------------------------|-----------------|-----------------------|
| Client:            |                        | Date Collected: | 6/26/2024 12:00:00 AM |
| Project:           |                        | Date Received:  | 6/26/2024 12:00:00 AM |
| Client Sample ID:  | H0HC4MS                | SDG No.:        | BG071024              |
| Lab Sample ID:     | P3109-07MS             | Matrix:         | Water                 |
| Analytical Method: | SFAM_SVOC              | % Moisture:     | 100                   |
| Sample Wt/Vol:     | 1000      Units:    mL | Final Vol:      | 1000      uL          |
| Soil Aliquot Vol:  | uL                     | Test:           |                       |
| Extraction Type :  | Decanted :             | Level :         | LOW                   |
| Injection Volume : | GPC Factor :           | GPC Cleanup :   | PH :                  |

|                   |           |                       |                       |               |
|-------------------|-----------|-----------------------|-----------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date             | Date Analyzed         | Prep Batch ID |
| BG061997.D        | 1         | 6/27/2024 12:00:00 AM | 7/10/2024 12:00:00 AM | PB161825      |

| CAS Number                            | Parameter                     | Conc.  | Qualifier | MDL    | LOD | LOQ / CRQL | Units    |
|---------------------------------------|-------------------------------|--------|-----------|--------|-----|------------|----------|
| 93951-76-9                            | 4,6-Dinitro-2-methylphenol-d2 | 48.545 |           | 10-130 |     | 121        | SPK: -40 |
| 1719-06-8                             | Anthracene-d10                | 40.811 |           | 25-130 |     | 102        | SPK: -40 |
| 1718-52-1                             | Pyrene-d10                    | 40.566 |           | 15-130 |     | 101        | SPK: -40 |
| 63466-71-7                            | Benzo(a)pyrene-d12            | 42.369 |           | 20-130 |     | 106        | SPK: -40 |
| <b>INTERNAL STANDARDS</b>             |                               |        |           |        |     |            |          |
| 3855-82-1                             | 1,4-Dichlorobenzene-d4        | 51010  | 8.096     |        |     |            |          |
| 1146-65-2                             | Naphthalene-d8                | 249057 | 10.911    |        |     |            |          |
| 15067-26-2                            | Acenaphthene-d10              | 175254 | 14.718    |        |     |            |          |
| 1517-22-2                             | Phenanthrene-d10              | 373075 | 17.462    |        |     |            |          |
| 1719-03-5                             | Chrysene-d12                  | 337701 | 21.721    |        |     |            |          |
| 1520-96-3                             | Perylene-d12                  | 410816 | 24.965    |        |     |            |          |
| <b>TENTATIVE IDENTIFIED COMPOUNDS</b> |                               |        |           |        |     |            |          |
| E966796                               | Total Alkanes                 | 0.99   | U         |        |     | 99         | ug/L     |

## Report of Analysis

|                    |                        |                 |                       |
|--------------------|------------------------|-----------------|-----------------------|
| Client:            |                        | Date Collected: | 6/26/2024 12:00:00 AM |
| Project:           |                        | Date Received:  | 6/26/2024 12:00:00 AM |
| Client Sample ID:  | H0HC4MSD               | SDG No.:        | BG071024              |
| Lab Sample ID:     | P3109-08MSD            | Matrix:         | Water                 |
| Analytical Method: | SFAM_SVOC              | % Moisture:     | 100                   |
| Sample Wt/Vol:     | 1000      Units:    mL | Final Vol:      | 1000      uL          |
| Soil Aliquot Vol:  | uL                     | Test:           |                       |
| Extraction Type :  | Decanted :             | Level :         | LOW                   |
| Injection Volume : | GPC Factor :           | GPC Cleanup :   | PH :                  |

|                   |           |                       |                       |               |
|-------------------|-----------|-----------------------|-----------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date             | Date Analyzed         | Prep Batch ID |
| BG061998.D        | 1         | 6/27/2024 12:00:00 AM | 7/10/2024 12:00:00 AM | PB161825      |

| CAS Number     | Parameter                   | Conc. | Qualifier | MDL  | LOD | LOQ / CRQL | Units |
|----------------|-----------------------------|-------|-----------|------|-----|------------|-------|
| <b>TARGETS</b> |                             |       |           |      |     |            |       |
| 123-91-1       | 1,4-Dioxane                 | 3.8   |           | 1.2  | 0.5 | 2          | ug/L  |
| 100-52-7       | Benzaldehyde                | 20    |           | 2.3  | 5   | 10         | ug/L  |
| 110-86-1       | Pyridine                    | 2.2   | U         | 2.2  | 10  | 10         | ug/L  |
| 108-95-2       | Phenol                      | 9.4   | J         | 1.5  | 5   | 10         | ug/L  |
| 111-44-4       | Bis(2-Chloroethyl)ether     | 26    |           | 1.3  | 5   | 10         | ug/L  |
| 95-57-8        | 2-Chlorophenol              | 28    |           | 1.2  | 2.5 | 5          | ug/L  |
| 95-48-7        | 2-Methylphenol              | 22    |           | 0.82 | 5   | 10         | ug/L  |
| 108-60-1       | 2,2-oxybis(1-Chloropropane) | 25    |           | 1.2  | 5   | 10         | ug/L  |
| 98-86-2        | Acetophenone                | 28    |           | 0.89 | 5   | 10         | ug/L  |
| 106-44-5       | 4-Methylphenol              | 20    |           | 1.2  | 5   | 10         | ug/L  |
| 621-64-7       | N-Nitroso-di-n-propylamine  | 27    |           | 1.5  | 2.5 | 5          | ug/L  |
| 67-72-1        | Hexachloroethane            | 28    |           | 1.5  | 2.5 | 5          | ug/L  |
| 98-95-3        | Nitrobenzene                | 31    |           | 0.99 | 2.5 | 5          | ug/L  |
| 78-59-1        | Isophorone                  | 27    |           | 1.1  | 2.5 | 5          | ug/L  |
| 88-75-5        | 2-Nitrophenol               | 33    |           | 1.2  | 2.5 | 5          | ug/L  |
| 105-67-9       | 2,4-Dimethylphenol          | 23    |           | 1.1  | 2.5 | 5          | ug/L  |
| 111-91-1       | Bis(2-Chloroethoxy)methane  | 27    |           | 1.2  | 2.5 | 5          | ug/L  |
| 120-83-2       | 2,4-Dichlorophenol          | 35    |           | 0.93 | 2.5 | 5          | ug/L  |
| 91-20-3        | Naphthalene                 | 31    |           | 0.7  | 2.5 | 5          | ug/L  |
| 106-47-8       | 4-Chloroaniline             | 8.1   | J         | 1.8  | 2.5 | 10         | ug/L  |
| 87-68-3        | Hexachlorobutadiene         | 34    |           | 0.98 | 2.5 | 5          | ug/L  |
| 105-60-2       | Caprolactam                 | 3.9   | J         | 2.9  | 5   | 10         | ug/L  |
| 59-50-7        | 4-Chloro-3-methylphenol     | 35    |           | 2    | 2.5 | 5          | ug/L  |
| 90-12-0        | 1-Methylnaphthalene         | 33    |           | 1    | 2.5 | 5          | ug/L  |
| 91-57-6        | 2-Methylnaphthalene         | 32    |           | 1.6  | 2.5 | 5          | ug/L  |
| 77-47-4        | Hexachlorocyclopentadiene   | 15    |           | 3.1  | 5   | 10         | ug/L  |
| 88-06-2        | 2,4,6-Trichlorophenol       | 36    |           | 0.81 | 2.5 | 5          | ug/L  |
| 95-95-4        | 2,4,5-Trichlorophenol       | 37    |           | 0.8  | 2.5 | 5          | ug/L  |

## Report of Analysis

|                    |                        |                 |                       |
|--------------------|------------------------|-----------------|-----------------------|
| Client:            |                        | Date Collected: | 6/26/2024 12:00:00 AM |
| Project:           |                        | Date Received:  | 6/26/2024 12:00:00 AM |
| Client Sample ID:  | H0HC4MSD               | SDG No.:        | BG071024              |
| Lab Sample ID:     | P3109-08MSD            | Matrix:         | Water                 |
| Analytical Method: | SFAM_SVOC              | % Moisture:     | 100                   |
| Sample Wt/Vol:     | 1000      Units:    mL | Final Vol:      | 1000      uL          |
| Soil Aliquot Vol:  | uL                     | Test:           |                       |
| Extraction Type :  | Decanted :             | Level :         | LOW                   |
| Injection Volume : | GPC Factor :           | GPC Cleanup :   | PH :                  |

|                   |           |                       |                       |               |
|-------------------|-----------|-----------------------|-----------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date             | Date Analyzed         | Prep Batch ID |
| BG061998.D        | 1         | 6/27/2024 12:00:00 AM | 7/10/2024 12:00:00 AM | PB161825      |

| CAS Number | Parameter                  | Conc. | Qualifier | MDL  | LOD | LOQ / CRQL | Units |
|------------|----------------------------|-------|-----------|------|-----|------------|-------|
| 92-52-4    | 1,1-Biphenyl               | 33    |           | 0.99 | 2.5 | 5          | ug/L  |
| 91-58-7    | 2-Chloronaphthalene        | 33    |           | 1.1  | 2.5 | 5          | ug/L  |
| 88-74-4    | 2-Nitroaniline             | 39    |           | 1.7  | 2.5 | 5          | ug/L  |
| 131-11-3   | Dimethylphthalate          | 34    |           | 1.3  | 2.5 | 5          | ug/L  |
| 606-20-2   | 2,6-Dinitrotoluene         | 39    |           | 1.3  | 2.5 | 5          | ug/L  |
| 208-96-8   | Acenaphthylene             | 32    |           | 1.1  | 2.5 | 5          | ug/L  |
| 99-09-2    | 3-Nitroaniline             | 32    |           | 1.5  | 5   | 10         | ug/L  |
| 83-32-9    | Acenaphthene               | 33    |           | 1.1  | 2.5 | 5          | ug/L  |
| 51-28-5    | 2,4-Dinitrophenol          | 39    |           | 2.8  | 5   | 10         | ug/L  |
| 100-02-7   | 4-Nitrophenol              | 14    |           | 1.4  | 5   | 10         | ug/L  |
| 132-64-9   | Dibenzofuran               | 34    |           | 0.87 | 2.5 | 5          | ug/L  |
| 121-14-2   | 2,4-Dinitrotoluene         | 39    |           | 1.1  | 2.5 | 5          | ug/L  |
| 84-66-2    | Diethylphthalate           | 34    |           | 0.87 | 2.5 | 5          | ug/L  |
| 86-73-7    | Fluorene                   | 34    |           | 0.87 | 2.5 | 5          | ug/L  |
| 7005-72-3  | 4-Chlorophenyl-phenylether | 35    |           | 0.96 | 2.5 | 5          | ug/L  |
| 100-01-6   | 4-Nitroaniline             | 36    |           | 1.2  | 5   | 10         | ug/L  |
| 534-52-1   | 4,6-Dinitro-2-methylphenol | 42    |           | 1.2  | 5   | 10         | ug/L  |
| 86-30-6    | N-Nitrosodiphenylamine     | 38    |           | 0.71 | 2.5 | 5          | ug/L  |
| 95-94-3    | 1,2,4,5-Tetrachlorobenzene | 36    |           | 0.9  | 2.5 | 5          | ug/L  |
| 101-55-3   | 4-Bromophenyl-phenylether  | 39    |           | 1.4  | 2.5 | 5          | ug/L  |
| 118-74-1   | Hexachlorobenzene          | 39    |           | 0.56 | 2.5 | 5          | ug/L  |
| 1912-24-9  | Atrazine                   | 26    |           | 0.96 | 5   | 10         | ug/L  |
| 87-86-5    | Pentachlorophenol          | 40    |           | 2.5  | 5   | 10         | ug/L  |
| 85-01-8    | Phenanthrene               | 36    |           | 0.97 | 2.5 | 5          | ug/L  |
| 608-93-5   | Pentachlorobenzene         | 37    |           | 1.2  | 2.5 | 5          | ug/L  |
| 120-12-7   | Anthracene                 | 35    |           | 0.72 | 2.5 | 5          | ug/L  |
| 634-66-2   | 1,2,3,4-Tetrachlorobenzene | 41    |           | 0.92 | 2.5 | 5          | ug/L  |
| 86-74-8    | Carbazole                  | 37    |           | 1    | 5   | 10         | ug/L  |
| 84-74-2    | Di-n-butylphthalate        | 36    |           | 0.81 | 2.5 | 5          | ug/L  |
| 206-44-0   | Fluoranthene               | 36    |           | 0.65 | 5   | 5          | ug/L  |



## Report of Analysis

|                    |                |                 |                       |
|--------------------|----------------|-----------------|-----------------------|
| Client:            |                | Date Collected: | 6/26/2024 12:00:00 AM |
| Project:           |                | Date Received:  | 6/26/2024 12:00:00 AM |
| Client Sample ID:  | H0HC4MSD       | SDG No.:        | BG071024              |
| Lab Sample ID:     | P3109-08MSD    | Matrix:         | Water                 |
| Analytical Method: | SFAM_SVOC      | % Moisture:     | 100                   |
| Sample Wt/Vol:     | 1000 Units: mL | Final Vol:      | 1000 uL               |
| Soil Aliquot Vol:  | uL             | Test:           |                       |
| Extraction Type :  | Decanted :     | Level :         | LOW                   |
| Injection Volume : | GPC Factor :   | GPC Cleanup :   | PH :                  |

|                   |           |                       |                       |               |
|-------------------|-----------|-----------------------|-----------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date             | Date Analyzed         | Prep Batch ID |
| BG061998.D        | 1         | 6/27/2024 12:00:00 AM | 7/10/2024 12:00:00 AM | PB161825      |

| CAS Number        | Parameter                   | Conc.  | Qualifier | MDL    | LOD | LOQ / CRQL | Units    |
|-------------------|-----------------------------|--------|-----------|--------|-----|------------|----------|
| 129-00-0          | Pyrene                      | 36     |           | 0.53   | 2.5 | 5          | ug/L     |
| 85-68-7           | Butylbenzylphthalate        | 36     |           | 0.97   | 2.5 | 5          | ug/L     |
| 91-94-1           | 3,3-Dichlorobenzidine       | 25     |           | 1.7    | 5   | 10         | ug/L     |
| 56-55-3           | Benzo(a)anthracene          | 37     |           | 0.56   | 2.5 | 5          | ug/L     |
| 218-01-9          | Chrysene                    | 38     |           | 0.75   | 2.5 | 5          | ug/L     |
| 117-81-7          | Bis(2-ethylhexyl)phthalate  | 35     |           | 0.87   | 2.5 | 5          | ug/L     |
| 117-84-0          | Di-n-octyl phthalate        | 36     |           | 1.5    | 5   | 10         | ug/L     |
| 205-99-2          | Benzo(b)fluoranthene        | 38     |           | 1.1    | 2.5 | 5          | ug/L     |
| 207-08-9          | Benzo(k)fluoranthene        | 37     |           | 1.1    | 2.5 | 5          | ug/L     |
| 50-32-8           | Benzo(a)pyrene              | 34     |           | 1.1    | 2.5 | 5          | ug/L     |
| 193-39-5          | Indeno(1,2,3-cd)pyrene      | 39     |           | 1.4    | 2.5 | 5          | ug/L     |
| 53-70-3           | Dibenzo(a,h)anthracene      | 38     |           | 1.2    | 2.5 | 5          | ug/L     |
| 191-24-2          | Benzo(g,h,i)perylene        | 37     |           | 1.1    | 2.5 | 5          | ug/L     |
| 58-90-2           | 2,3,4,6-Tetrachlorophenol   | 38     |           | 1      | 2.5 | 5          | ug/L     |
| <b>SURROGATES</b> |                             |        |           |        |     |            |          |
| 17647-74-4        | 1,4-Dioxane-d8              | 2.967  |           | 15-120 |     | 37         | SPK: -8  |
| 7291-22-7         | Pyridine-d5                 | 0.022  | U         | 20-120 |     | 0          | SPK: -40 |
| 4165-62-2         | Phenol-d5                   | 8.301  |           | 10-130 |     | 21         | SPK: -40 |
| 93952-02-4        | Bis-(2-Chloroethyl)ether-d8 | 25.639 |           | 25-120 |     | 64         | SPK: -40 |
| 93951-73-6        | 2-Chlorophenol-d4           | 27.158 |           | 20-130 |     | 68         | SPK: -40 |
| 190780-66-6       | 4-Methylphenol-d8           | 19.36  |           | 25-125 |     | 48         | SPK: -40 |
| 4165-60-0         | Nitrobenzene-d5             | 32.873 |           | 20-125 |     | 82         | SPK: -40 |
| 93951-78-1        | 2-Nitrophenol-d4            | 35.199 |           | 20-130 |     | 88         | SPK: -40 |
| 93951-74-7        | 2,4-Dichlorophenol-d3       | 35.546 |           | 20-120 |     | 89         | SPK: -40 |
| 191656-33-4       | 4-Chloroaniline-d4          | 5.881  |           | 1-146  |     | 15         | SPK: -40 |
| 85448-30-2        | Dimethylphthalate-d6        | 35.103 |           | 25-130 |     | 88         | SPK: -40 |
| 93951-97-4        | Acenaphthylene-d8           | 34.334 |           | 10-130 |     | 86         | SPK: -40 |
| 93951-79-2        | 4-Nitrophenol-d4            | 11.64  |           | 10-150 |     | 29         | SPK: -40 |
| 81103-79-9        | Fluorene-d10                | 35.347 |           | 25-125 |     | 88         | SPK: -40 |

## Report of Analysis

|                    |                        |                 |                       |
|--------------------|------------------------|-----------------|-----------------------|
| Client:            |                        | Date Collected: | 6/26/2024 12:00:00 AM |
| Project:           |                        | Date Received:  | 6/26/2024 12:00:00 AM |
| Client Sample ID:  | H0HC4MSD               | SDG No.:        | BG071024              |
| Lab Sample ID:     | P3109-08MSD            | Matrix:         | Water                 |
| Analytical Method: | SFAM_SVOC              | % Moisture:     | 100                   |
| Sample Wt/Vol:     | 1000      Units:    mL | Final Vol:      | 1000      uL          |
| Soil Aliquot Vol:  | uL                     | Test:           |                       |
| Extraction Type :  | Decanted :             | Level :         | LOW                   |
| Injection Volume : | GPC Factor :           | GPC Cleanup :   | PH :                  |

|                   |           |                       |                       |               |
|-------------------|-----------|-----------------------|-----------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date             | Date Analyzed         | Prep Batch ID |
| BG061998.D        | 1         | 6/27/2024 12:00:00 AM | 7/10/2024 12:00:00 AM | PB161825      |

| CAS Number                            | Parameter                     | Conc.  | Qualifier | MDL    | LOD | LOQ / CRQL | Units    |
|---------------------------------------|-------------------------------|--------|-----------|--------|-----|------------|----------|
| 93951-76-9                            | 4,6-Dinitro-2-methylphenol-d2 | 44.046 |           | 10-130 |     | 110        | SPK: -40 |
| 1719-06-8                             | Anthracene-d10                | 36.424 |           | 25-130 |     | 91         | SPK: -40 |
| 1718-52-1                             | Pyrene-d10                    | 36.481 |           | 15-130 |     | 91         | SPK: -40 |
| 63466-71-7                            | Benzo(a)pyrene-d12            | 39.49  |           | 20-130 |     | 99         | SPK: -40 |
| <b>INTERNAL STANDARDS</b>             |                               |        |           |        |     |            |          |
| 3855-82-1                             | 1,4-Dichlorobenzene-d4        | 57545  | 8.1       |        |     |            |          |
| 1146-65-2                             | Naphthalene-d8                | 281732 | 10.908    |        |     |            |          |
| 15067-26-2                            | Acenaphthene-d10              | 203420 | 14.721    |        |     |            |          |
| 1517-22-2                             | Phenanthrene-d10              | 454982 | 17.459    |        |     |            |          |
| 1719-03-5                             | Chrysene-d12                  | 409355 | 21.725    |        |     |            |          |
| 1520-96-3                             | Perylene-d12                  | 496745 | 24.968    |        |     |            |          |
| <b>TENTATIVE IDENTIFIED COMPOUNDS</b> |                               |        |           |        |     |            |          |
| E966796                               | Total Alkanes                 | 0.99   | U         |        |     | 99         | ug/L     |

## Report of Analysis

|                    |           |              |    |                 |          |      |    |
|--------------------|-----------|--------------|----|-----------------|----------|------|----|
| Client:            |           |              |    | Date Collected: |          |      |    |
| Project:           |           |              |    | Date Received:  |          |      |    |
| Client Sample ID:  | SP6561    |              |    | SDG No.:        | BG071024 |      |    |
| Lab Sample ID:     | SP6561    |              |    | Matrix:         | Water    |      |    |
| Analytical Method: | SFAM_SVOC |              |    | % Moisture:     | 100      |      |    |
| Sample Wt/Vol:     | 1000      | Units:       | mL | Final Vol:      | 1000000  |      | uL |
| Soil Aliquot Vol:  |           |              | uL | Test:           |          |      |    |
| Extraction Type :  |           | Decanted :   |    | Level :         | LOW      |      |    |
| Injection Volume : |           | GPC Factor : |    | GPC Cleanup :   |          | PH : |    |

|                   |           |           |                       |               |
|-------------------|-----------|-----------|-----------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed         | Prep Batch ID |
| BG061999.D        | 1         |           | 7/10/2024 12:00:00 AM |               |

| CAS Number     | Parameter                   | Conc. | Qualifier | MDL  | LOD   | LOQ / CRQL | Units |
|----------------|-----------------------------|-------|-----------|------|-------|------------|-------|
| <b>TARGETS</b> |                             |       |           |      |       |            |       |
| 123-91-1       | 1,4-Dioxane                 | 1200  | U         | 1200 | 500   | 2000       | ug/L  |
| 100-52-7       | Benzaldehyde                | 2300  | U         | 2300 | 5000  | 10000      | ug/L  |
| 110-86-1       | Pyridine                    | 2200  | U         | 2200 | 10000 | 10000      | ug/L  |
| 108-95-2       | Phenol                      | 1500  | U         | 1500 | 5000  | 10000      | ug/L  |
| 111-44-4       | Bis(2-Chloroethyl)ether     | 1300  | U         | 1300 | 5000  | 10000      | ug/L  |
| 95-57-8        | 2-Chlorophenol              | 1200  | U         | 1200 | 2500  | 5000       | ug/L  |
| 95-48-7        | 2-Methylphenol              | 820   | U         | 820  | 5000  | 10000      | ug/L  |
| 108-60-1       | 2,2-oxybis(1-Chloropropane) | 1200  | U         | 1200 | 5000  | 10000      | ug/L  |
| 98-86-2        | Acetophenone                | 890   | U         | 890  | 5000  | 10000      | ug/L  |
| 106-44-5       | 4-Methylphenol              | 1200  | U         | 1200 | 5000  | 10000      | ug/L  |
| 621-64-7       | N-Nitroso-di-n-propylamine  | 1500  | U         | 1500 | 2500  | 5000       | ug/L  |
| 67-72-1        | Hexachloroethane            | 1500  | U         | 1500 | 2500  | 5000       | ug/L  |
| 98-95-3        | Nitrobenzene                | 990   | U         | 990  | 2500  | 5000       | ug/L  |
| 78-59-1        | Isophorone                  | 1100  | U         | 1100 | 2500  | 5000       | ug/L  |
| 88-75-5        | 2-Nitrophenol               | 1200  | U         | 1200 | 2500  | 5000       | ug/L  |
| 105-67-9       | 2,4-Dimethylphenol          | 1100  | U         | 1100 | 2500  | 5000       | ug/L  |
| 111-91-1       | Bis(2-Chloroethoxy)methane  | 1200  | U         | 1200 | 2500  | 5000       | ug/L  |
| 120-83-2       | 2,4-Dichlorophenol          | 930   | U         | 930  | 2500  | 5000       | ug/L  |
| 91-20-3        | Naphthalene                 | 700   | U         | 700  | 2500  | 5000       | ug/L  |
| 106-47-8       | 4-Chloroaniline             | 1800  | U         | 1800 | 2500  | 10000      | ug/L  |
| 87-68-3        | Hexachlorobutadiene         | 980   | U         | 980  | 2500  | 5000       | ug/L  |
| 105-60-2       | Caprolactam                 | 2900  | U         | 2900 | 5000  | 10000      | ug/L  |
| 59-50-7        | 4-Chloro-3-methylphenol     | 2000  | U         | 2000 | 2500  | 5000       | ug/L  |
| 90-12-0        | 1-Methylnaphthalene         | 1000  | U         | 1000 | 2500  | 5000       | ug/L  |
| 91-57-6        | 2-Methylnaphthalene         | 1600  | U         | 1600 | 2500  | 5000       | ug/L  |
| 77-47-4        | Hexachlorocyclopentadiene   | 3100  | U         | 3100 | 5000  | 10000      | ug/L  |
| 88-06-2        | 2,4,6-Trichlorophenol       | 810   | U         | 810  | 2500  | 5000       | ug/L  |
| 95-95-4        | 2,4,5-Trichlorophenol       | 800   | U         | 800  | 2500  | 5000       | ug/L  |

## Report of Analysis

|                    |                        |                 |                 |
|--------------------|------------------------|-----------------|-----------------|
| Client:            |                        | Date Collected: |                 |
| Project:           |                        | Date Received:  |                 |
| Client Sample ID:  | SP6561                 | SDG No.:        | BG071024        |
| Lab Sample ID:     | SP6561                 | Matrix:         | Water           |
| Analytical Method: | SFAM_SVOC              | % Moisture:     | 100             |
| Sample Wt/Vol:     | 1000      Units:    mL | Final Vol:      | 1000000      uL |
| Soil Aliquot Vol:  | uL                     | Test:           |                 |
| Extraction Type :  | Decanted :             | Level :         | LOW             |
| Injection Volume : | GPC Factor :           | GPC Cleanup :   | PH :            |

|                   |           |           |                       |               |
|-------------------|-----------|-----------|-----------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed         | Prep Batch ID |
| BG061999.D        | 1         |           | 7/10/2024 12:00:00 AM |               |

| CAS Number | Parameter                  | Conc. | Qualifier | MDL  | LOD  | LOQ / CRQL | Units |
|------------|----------------------------|-------|-----------|------|------|------------|-------|
| 92-52-4    | 1,1-Biphenyl               | 990   | U         | 990  | 2500 | 5000       | ug/L  |
| 91-58-7    | 2-Chloronaphthalene        | 1100  | U         | 1100 | 2500 | 5000       | ug/L  |
| 88-74-4    | 2-Nitroaniline             | 1700  | U         | 1700 | 2500 | 5000       | ug/L  |
| 131-11-3   | Dimethylphthalate          | 1300  | U         | 1300 | 2500 | 5000       | ug/L  |
| 606-20-2   | 2,6-Dinitrotoluene         | 1300  | U         | 1300 | 2500 | 5000       | ug/L  |
| 208-96-8   | Acenaphthylene             | 1100  | U         | 1100 | 2500 | 5000       | ug/L  |
| 99-09-2    | 3-Nitroaniline             | 1500  | U         | 1500 | 5000 | 10000      | ug/L  |
| 83-32-9    | Acenaphthene               | 1100  | U         | 1100 | 2500 | 5000       | ug/L  |
| 51-28-5    | 2,4-Dinitrophenol          | 2800  | U         | 2800 | 5000 | 10000      | ug/L  |
| 100-02-7   | 4-Nitrophenol              | 1400  | U         | 1400 | 5000 | 10000      | ug/L  |
| 132-64-9   | Dibenzofuran               | 870   | U         | 870  | 2500 | 5000       | ug/L  |
| 121-14-2   | 2,4-Dinitrotoluene         | 1100  | U         | 1100 | 2500 | 5000       | ug/L  |
| 84-66-2    | Diethylphthalate           | 870   | U         | 870  | 2500 | 5000       | ug/L  |
| 86-73-7    | Fluorene                   | 870   | U         | 870  | 2500 | 5000       | ug/L  |
| 7005-72-3  | 4-Chlorophenyl-phenylether | 960   | U         | 960  | 2500 | 5000       | ug/L  |
| 100-01-6   | 4-Nitroaniline             | 1200  | U         | 1200 | 5000 | 10000      | ug/L  |
| 534-52-1   | 4,6-Dinitro-2-methylphenol | 1200  | U         | 1200 | 5000 | 10000      | ug/L  |
| 86-30-6    | N-Nitrosodiphenylamine     | 710   | U         | 710  | 2500 | 5000       | ug/L  |
| 95-94-3    | 1,2,4,5-Tetrachlorobenzene | 900   | U         | 900  | 2500 | 5000       | ug/L  |
| 101-55-3   | 4-Bromophenyl-phenylether  | 1400  | U         | 1400 | 2500 | 5000       | ug/L  |
| 118-74-1   | Hexachlorobenzene          | 560   | U         | 560  | 2500 | 5000       | ug/L  |
| 1912-24-9  | Atrazine                   | 960   | U         | 960  | 5000 | 10000      | ug/L  |
| 87-86-5    | Pentachlorophenol          | 2500  | U         | 2500 | 5000 | 10000      | ug/L  |
| 85-01-8    | Phenanthrene               | 970   | U         | 970  | 2500 | 5000       | ug/L  |
| 608-93-5   | Pentachlorobenzene         | 1200  | U         | 1200 | 2500 | 5000       | ug/L  |
| 120-12-7   | Anthracene                 | 720   | U         | 720  | 2500 | 5000       | ug/L  |
| 634-66-2   | 1,2,3,4-Tetrachlorobenzene | 920   | U         | 920  | 2500 | 5000       | ug/L  |
| 86-74-8    | Carbazole                  | 1000  | U         | 1000 | 5000 | 10000      | ug/L  |
| 84-74-2    | Di-n-butylphthalate        | 810   | U         | 810  | 2500 | 5000       | ug/L  |
| 206-44-0   | Fluoranthene               | 650   | U         | 650  | 5000 | 5000       | ug/L  |

## Report of Analysis

|                    |                        |                 |                 |
|--------------------|------------------------|-----------------|-----------------|
| Client:            |                        | Date Collected: |                 |
| Project:           |                        | Date Received:  |                 |
| Client Sample ID:  | SP6561                 | SDG No.:        | BG071024        |
| Lab Sample ID:     | SP6561                 | Matrix:         | Water           |
| Analytical Method: | SFAM_SVOC              | % Moisture:     | 100             |
| Sample Wt/Vol:     | 1000      Units:    mL | Final Vol:      | 1000000      uL |
| Soil Aliquot Vol:  | uL                     | Test:           |                 |
| Extraction Type :  | Decanted :             | Level :         | LOW             |
| Injection Volume : | GPC Factor :           | GPC Cleanup :   | PH :            |

|                   |           |           |                       |               |
|-------------------|-----------|-----------|-----------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed         | Prep Batch ID |
| BG061999.D        | 1         |           | 7/10/2024 12:00:00 AM |               |

| CAS Number        | Parameter                   | Conc. | Qualifier | MDL    | LOD  | LOQ / CRQL | Units    |
|-------------------|-----------------------------|-------|-----------|--------|------|------------|----------|
| 129-00-0          | Pyrene                      | 530   | U         | 530    | 2500 | 5000       | ug/L     |
| 85-68-7           | Butylbenzylphthalate        | 970   | U         | 970    | 2500 | 5000       | ug/L     |
| 91-94-1           | 3,3-Dichlorobenzidine       | 1700  | U         | 1700   | 5000 | 10000      | ug/L     |
| 56-55-3           | Benzo(a)anthracene          | 560   | U         | 560    | 2500 | 5000       | ug/L     |
| 218-01-9          | Chrysene                    | 750   | U         | 750    | 2500 | 5000       | ug/L     |
| 117-81-7          | Bis(2-ethylhexyl)phthalate  | 870   | U         | 870    | 2500 | 5000       | ug/L     |
| 117-84-0          | Di-n-octyl phthalate        | 1500  | U         | 1500   | 5000 | 10000      | ug/L     |
| 205-99-2          | Benzo(b)fluoranthene        | 1100  | U         | 1100   | 2500 | 5000       | ug/L     |
| 207-08-9          | Benzo(k)fluoranthene        | 1100  | U         | 1100   | 2500 | 5000       | ug/L     |
| 50-32-8           | Benzo(a)pyrene              | 1100  | U         | 1100   | 2500 | 5000       | ug/L     |
| 193-39-5          | Indeno(1,2,3-cd)pyrene      | 1400  | U         | 1400   | 2500 | 5000       | ug/L     |
| 53-70-3           | Dibenzo(a,h)anthracene      | 1200  | U         | 1200   | 2500 | 5000       | ug/L     |
| 191-24-2          | Benzo(g,h,i)perylene        | 1100  | U         | 1100   | 2500 | 5000       | ug/L     |
| 58-90-2           | 2,3,4,6-Tetrachlorophenol   | 1000  | U         | 1000   | 2500 | 5000       | ug/L     |
| <b>SURROGATES</b> |                             |       |           |        |      |            |          |
| 17647-74-4        | 1,4-Dioxane-d8              | 13884 | *         | 15-120 |      | 173550     | SPK: -8  |
| 7291-22-7         | Pyridine-d5                 | 71546 | *         | 20-120 |      | 178865     | SPK: -40 |
| 4165-62-2         | Phenol-d5                   | 73125 | *         | 10-130 |      | 182813     | SPK: -40 |
| 93952-02-4        | Bis-(2-Chloroethyl)ether-d8 | 67377 | *         | 25-120 |      | 168443     | SPK: -40 |
| 93951-73-6        | 2-Chlorophenol-d4           | 77496 | *         | 20-130 |      | 193740     | SPK: -40 |
| 190780-66-6       | 4-Methylphenol-d8           | 73603 | *         | 25-125 |      | 184007     | SPK: -40 |
| 4165-60-0         | Nitrobenzene-d5             | 71755 | *         | 20-125 |      | 179388     | SPK: -40 |
| 93951-78-1        | 2-Nitrophenol-d4            | 80257 | *         | 20-130 |      | 200643     | SPK: -40 |
| 93951-74-7        | 2,4-Dichlorophenol-d3       | 78040 | *         | 20-120 |      | 195100     | SPK: -40 |
| 191656-33-4       | 4-Chloroaniline-d4          | 71123 | *         | 1-146  |      | 177807     | SPK: -40 |
| 85448-30-2        | Dimethylphthalate-d6        | 71689 | *         | 25-130 |      | 179222     | SPK: -40 |
| 93951-97-4        | Acenaphthylene-d8           | 76596 | *         | 10-130 |      | 191490     | SPK: -40 |
| 93951-79-2        | 4-Nitrophenol-d4            | 64957 | *         | 10-150 |      | 162393     | SPK: -40 |
| 81103-79-9        | Fluorene-d10                | 74190 | *         | 25-125 |      | 185475     | SPK: -40 |

## Report of Analysis

|                    |           |              |    |                 |          |      |  |
|--------------------|-----------|--------------|----|-----------------|----------|------|--|
| Client:            |           |              |    | Date Collected: |          |      |  |
| Project:           |           |              |    | Date Received:  |          |      |  |
| Client Sample ID:  | SP6561    |              |    | SDG No.:        | BG071024 |      |  |
| Lab Sample ID:     | SP6561    |              |    | Matrix:         | Water    |      |  |
| Analytical Method: | SFAM_SVOC |              |    | % Moisture:     | 100      |      |  |
| Sample Wt/Vol:     | 1000      | Units:       | mL | Final Vol:      | 1000000  | uL   |  |
| Soil Aliquot Vol:  |           |              | uL | Test:           |          |      |  |
| Extraction Type :  |           | Decanted :   |    | Level :         | LOW      |      |  |
| Injection Volume : |           | GPC Factor : |    | GPC Cleanup :   |          | PH : |  |

|                   |           |           |                       |               |
|-------------------|-----------|-----------|-----------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed         | Prep Batch ID |
| BG061999.D        | 1         |           | 7/10/2024 12:00:00 AM |               |

| CAS Number                            | Parameter                     | Conc.  | Qualifier | MDL    | LOD | LOQ / CRQL | Units    |
|---------------------------------------|-------------------------------|--------|-----------|--------|-----|------------|----------|
| 93951-76-9                            | 4,6-Dinitro-2-methylphenol-d2 | 74084  | *         | 10-130 |     | 185210     | SPK: -40 |
| 1719-06-8                             | Anthracene-d10                | 72174  | *         | 25-130 |     | 180435     | SPK: -40 |
| 1718-52-1                             | Pyrene-d10                    | 72289  | *         | 15-130 |     | 180722     | SPK: -40 |
| 63466-71-7                            | Benzo(a)pyrene-d12            | 79809  | *         | 20-130 |     | 199522     | SPK: -40 |
| <b>INTERNAL STANDARDS</b>             |                               |        |           |        |     |            |          |
| 3855-82-1                             | 1,4-Dichlorobenzene-d4        | 33812  | 8.1       |        |     |            |          |
| 1146-65-2                             | Naphthalene-d8                | 179932 | 10.908    |        |     |            |          |
| 15067-26-2                            | Acenaphthene-d10              | 128696 | 14.716    |        |     |            |          |
| 1517-22-2                             | Phenanthrene-d10              | 299853 | 17.459    |        |     |            |          |
| 1719-03-5                             | Chrysene-d12                  | 266715 | 21.719    |        |     |            |          |
| 1520-96-3                             | Perylene-d12                  | 325169 | 24.956    |        |     |            |          |
| <b>TENTATIVE IDENTIFIED COMPOUNDS</b> |                               |        |           |        |     |            |          |
| E966796                               | Total Alkanes                 | 990    | U         |        |     | 99         | ug/L     |

## Report of Analysis

|                    |              |                 |                       |
|--------------------|--------------|-----------------|-----------------------|
| Client:            |              | Date Collected: | 6/24/2024 12:00:00 AM |
| Project:           |              | Date Received:  | 6/24/2024 12:00:00 AM |
| Client Sample ID:  | A4CX4        | SDG No.:        | BG071024              |
| Lab Sample ID:     | P3035-08     | Matrix:         | Solid                 |
| Analytical Method: | SFAM_SVOC    | % Moisture:     | 12.5                  |
| Sample Wt/Vol:     | 30 Units: g  | Final Vol:      | 500 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 |
| BG062000.D        | 1         | 6/26/2024 12:00:00 AM | 7/10/2024 12:00:00 AM | PB161754      |

| CAS Number     | Parameter                   | Conc. | Qualifier | MDL | LOD  | LOQ / CRQL | Units |
|----------------|-----------------------------|-------|-----------|-----|------|------------|-------|
| <b>TARGETS</b> |                             |       |           |     |      |            |       |
| 123-91-1       | 1,4-Dioxane                 | 31    | U         | 31  | 7.5  | 76         | ug/Kg |
| 100-52-7       | Benzaldehyde                | 66    | U         | 66  | 94.3 | 380        | ug/Kg |
| 110-86-1       | Pyridine                    | 88    | U         | 88  | 190  | 380        | ug/Kg |
| 108-95-2       | Phenol                      | 34    | U         | 34  | 94.3 | 380        | ug/Kg |
| 111-44-4       | Bis(2-Chloroethyl)ether     | 33    | U         | 33  | 94.3 | 380        | ug/Kg |
| 95-57-8        | 2-Chlorophenol              | 32    | U         | 32  | 48.6 | 190        | ug/Kg |
| 95-48-7        | 2-Methylphenol              | 35    | U         | 35  | 94.3 | 380        | ug/Kg |
| 108-60-1       | 2,2-oxybis(1-Chloropropane) | 46    | U         | 46  | 94.3 | 380        | ug/Kg |
| 98-86-2        | Acetophenone                | 75    | U         | 75  | 94.3 | 380        | ug/Kg |
| 106-44-5       | 4-Methylphenol              | 61    | U         | 61  | 94.3 | 380        | ug/Kg |
| 621-64-7       | N-Nitroso-di-n-propylamine  | 90    | U         | 90  | 48.6 | 190        | ug/Kg |
| 67-72-1        | Hexachloroethane            | 70    | U         | 70  | 48.6 | 190        | ug/Kg |
| 98-95-3        | Nitrobenzene                | 73    | U         | 73  | 48.6 | 190        | ug/Kg |
| 78-59-1        | Isophorone                  | 75    | U         | 75  | 48.6 | 190        | ug/Kg |
| 88-75-5        | 2-Nitrophenol               | 69    | U         | 69  | 48.6 | 190        | ug/Kg |
| 105-67-9       | 2,4-Dimethylphenol          | 37    | U         | 37  | 48.6 | 190        | ug/Kg |
| 111-91-1       | Bis(2-Chloroethoxy)methane  | 51    | U         | 51  | 48.6 | 190        | ug/Kg |
| 120-83-2       | 2,4-Dichlorophenol          | 43    | U         | 43  | 48.6 | 190        | ug/Kg |
| 91-20-3        | Naphthalene                 | 27    | U         | 27  | 48.6 | 190        | ug/Kg |
| 106-47-8       | 4-Chloroaniline             | 41    | U         | 41  | 48.6 | 380        | ug/Kg |
| 87-68-3        | Hexachlorobutadiene         | 40    | U         | 40  | 48.6 | 190        | ug/Kg |
| 105-60-2       | Caprolactam                 | 73    | U         | 73  | 94.3 | 380        | ug/Kg |
| 59-50-7        | 4-Chloro-3-methylphenol     | 47    | U         | 47  | 48.6 | 190        | ug/Kg |
| 90-12-0        | 1-Methylnaphthalene         | 27    | U         | 27  | 48.6 | 190        | ug/Kg |
| 91-57-6        | 2-Methylnaphthalene         | 37    | U         | 37  | 48.6 | 190        | ug/Kg |
| 77-47-4        | Hexachlorocyclopentadiene   | 110   | U         | 110 | 94.3 | 380        | ug/Kg |
| 88-06-2        | 2,4,6-Trichlorophenol       | 27    | U         | 27  | 48.6 | 190        | ug/Kg |
| 95-95-4        | 2,4,5-Trichlorophenol       | 38    | U         | 38  | 48.6 | 190        | ug/Kg |

## Report of Analysis

|                    |              |                 |                       |
|--------------------|--------------|-----------------|-----------------------|
| Client:            |              | Date Collected: | 6/24/2024 12:00:00 AM |
| Project:           |              | Date Received:  | 6/24/2024 12:00:00 AM |
| Client Sample ID:  | A4CX4        | SDG No.:        | BG071024              |
| Lab Sample ID:     | P3035-08     | Matrix:         | Solid                 |
| Analytical Method: | SFAM_SVOC    | % Moisture:     | 12.5                  |
| Sample Wt/Vol:     | 30 Units: g  | Final Vol:      | 500 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 |
| BG062000.D        | 1         | 6/26/2024 12:00:00 AM | 7/10/2024 12:00:00 AM | PB161754      |

| CAS Number | Parameter                  | Conc. | Qualifier | MDL | LOD  | LOQ / CRQL | Units |
|------------|----------------------------|-------|-----------|-----|------|------------|-------|
| 92-52-4    | 1,1-Biphenyl               | 30    | U         | 30  | 48.6 | 190        | ug/Kg |
| 91-58-7    | 2-Chloronaphthalene        | 38    | U         | 38  | 48.6 | 190        | ug/Kg |
| 88-74-4    | 2-Nitroaniline             | 51    | U         | 51  | 48.6 | 190        | ug/Kg |
| 131-11-3   | Dimethylphthalate          | 34    | U         | 34  | 48.6 | 190        | ug/Kg |
| 606-20-2   | 2,6-Dinitrotoluene         | 23    | U         | 23  | 48.6 | 190        | ug/Kg |
| 208-96-8   | Acenaphthylene             | 33    | U         | 33  | 48.6 | 190        | ug/Kg |
| 99-09-2    | 3-Nitroaniline             | 75    | U         | 75  | 94.3 | 380        | ug/Kg |
| 83-32-9    | Acenaphthene               | 30    | U         | 30  | 48.6 | 190        | ug/Kg |
| 51-28-5    | 2,4-Dinitrophenol          | 150   | U         | 150 | 94.3 | 380        | ug/Kg |
| 100-02-7   | 4-Nitrophenol              | 50    | U         | 50  | 94.3 | 380        | ug/Kg |
| 132-64-9   | Dibenzofuran               | 31    | U         | 31  | 48.6 | 190        | ug/Kg |
| 121-14-2   | 2,4-Dinitrotoluene         | 40    | U         | 40  | 48.6 | 190        | ug/Kg |
| 84-66-2    | Diethylphthalate           | 38    | U         | 38  | 48.6 | 190        | ug/Kg |
| 86-73-7    | Fluorene                   | 31    | U         | 31  | 48.6 | 190        | ug/Kg |
| 7005-72-3  | 4-Chlorophenyl-phenylether | 23    | U         | 23  | 48.6 | 190        | ug/Kg |
| 100-01-6   | 4-Nitroaniline             | 27    | U         | 27  | 94.3 | 380        | ug/Kg |
| 534-52-1   | 4,6-Dinitro-2-methylphenol | 43    | U         | 43  | 94.3 | 380        | ug/Kg |
| 86-30-6    | N-Nitrosodiphenylamine     | 27    | U         | 27  | 48.6 | 190        | ug/Kg |
| 95-94-3    | 1,2,4,5-Tetrachlorobenzene | 39    | U         | 39  | 48.6 | 190        | ug/Kg |
| 101-55-3   | 4-Bromophenyl-phenylether  | 30    | U         | 30  | 48.6 | 190        | ug/Kg |
| 118-74-1   | Hexachlorobenzene          | 32    | U         | 32  | 48.6 | 190        | ug/Kg |
| 1912-24-9  | Atrazine                   | 32    | U         | 32  | 94.3 | 380        | ug/Kg |
| 87-86-5    | Pentachlorophenol          | 100   | U         | 100 | 94.3 | 380        | ug/Kg |
| 85-01-8    | Phenanthrene               | 31    | U         | 31  | 48.6 | 190        | ug/Kg |
| 608-93-5   | Pentachlorobenzene         | 42    | U         | 42  | 48.6 | 190        | ug/Kg |
| 120-12-7   | Anthracene                 | 29    | U         | 29  | 48.6 | 190        | ug/Kg |
| 634-66-2   | 1,2,3,4-Tetrachlorobenzene | 19    | U         | 19  | 48.6 | 190        | ug/Kg |
| 86-74-8    | Carbazole                  | 39    | U         | 39  | 94.3 | 380        | ug/Kg |
| 84-74-2    | Di-n-butylphthalate        | 31    | U         | 31  | 48.6 | 190        | ug/Kg |
| 206-44-0   | Fluoranthene               | 22    | U         | 22  | 94.3 | 190        | ug/Kg |



## Report of Analysis

|                    |              |                 |                       |
|--------------------|--------------|-----------------|-----------------------|
| Client:            |              | Date Collected: | 6/24/2024 12:00:00 AM |
| Project:           |              | Date Received:  | 6/24/2024 12:00:00 AM |
| Client Sample ID:  | A4CX4        | SDG No.:        | BG071024              |
| Lab Sample ID:     | P3035-08     | Matrix:         | Solid                 |
| Analytical Method: | SFAM_SVOC    | % Moisture:     | 12.5                  |
| Sample Wt/Vol:     | 30 Units: g  | Final Vol:      | 500 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 |
| BG062000.D        | 1         | 6/26/2024 12:00:00 AM | 7/10/2024 12:00:00 AM | PB161754      |

| CAS Number        | Parameter                   | Conc.  | Qualifier | MDL    | LOD  | LOQ / CRQL | Units    |
|-------------------|-----------------------------|--------|-----------|--------|------|------------|----------|
| 129-00-0          | Pyrene                      | 21     | U         | 21     | 48.6 | 190        | ug/Kg    |
| 85-68-7           | Butylbenzylphthalate        | 25     | U         | 25     | 48.6 | 190        | ug/Kg    |
| 91-94-1           | 3,3-Dichlorobenzidine       | 59     | U         | 59     | 94.3 | 380        | ug/Kg    |
| 56-55-3           | Benzo(a)anthracene          | 26     | U         | 26     | 48.6 | 190        | ug/Kg    |
| 218-01-9          | Chrysene                    | 27     | U         | 27     | 48.6 | 190        | ug/Kg    |
| 117-81-7          | Bis(2-ethylhexyl)phthalate  | 29     | U         | 29     | 48.6 | 190        | ug/Kg    |
| 117-84-0          | Di-n-octyl phthalate        | 55     | U         | 55     | 94.3 | 380        | ug/Kg    |
| 205-99-2          | Benzo(b)fluoranthene        | 42     | U         | 42     | 48.6 | 190        | ug/Kg    |
| 207-08-9          | Benzo(k)fluoranthene        | 43     | U         | 43     | 48.6 | 190        | ug/Kg    |
| 50-32-8           | Benzo(a)pyrene              | 35     | U         | 35     | 48.6 | 190        | ug/Kg    |
| 193-39-5          | Indeno(1,2,3-cd)pyrene      | 32     | U         | 32     | 48.6 | 190        | ug/Kg    |
| 53-70-3           | Dibenzo(a,h)anthracene      | 30     | U         | 30     | 48.6 | 190        | ug/Kg    |
| 191-24-2          | Benzo(g,h,i)perylene        | 37     | U         | 37     | 48.6 | 190        | ug/Kg    |
| 58-90-2           | 2,3,4,6-Tetrachlorophenol   | 41     | U         | 41     | 48.6 | 190        | ug/Kg    |
| <b>SURROGATES</b> |                             |        |           |        |      |            |          |
| 17647-74-4        | 1,4-Dioxane-d8              | 2.156  |           | 15-120 |      | 27         | SPK: -8  |
| 7291-22-7         | Pyridine-d5                 | 10.587 |           | 20-120 |      | 26         | SPK: -40 |
| 4165-62-2         | Phenol-d5                   | 15.754 |           | 10-130 |      | 39         | SPK: -40 |
| 93952-02-4        | Bis-(2-Chloroethyl)ether-d8 | 14.353 |           | 10-150 |      | 36         | SPK: -40 |
| 93951-73-6        | 2-Chlorophenol-d4           | 15.852 |           | 15-120 |      | 40         | SPK: -40 |
| 190780-66-6       | 4-Methylphenol-d8           | 16.268 |           | 10-140 |      | 41         | SPK: -40 |
| 4165-60-0         | Nitrobenzene-d5             | 16.175 |           | 10-135 |      | 40         | SPK: -40 |
| 93951-78-1        | 2-Nitrophenol-d4            | 17.318 |           | 10-120 |      | 43         | SPK: -40 |
| 93951-74-7        | 2,4-Dichlorophenol-d3       | 17.721 |           | 10-140 |      | 44         | SPK: -40 |
| 191656-33-4       | 4-Chloroaniline-d4          | 15.383 |           | 1-145  |      | 38         | SPK: -40 |
| 85448-30-2        | Dimethylphthalate-d6        | 17.685 |           | 10-145 |      | 44         | SPK: -40 |
| 93951-97-4        | Acenaphthylene-d8           | 18.268 |           | 15-120 |      | 46         | SPK: -40 |
| 93951-79-2        | 4-Nitrophenol-d4            | 15.051 |           | 10-150 |      | 38         | SPK: -40 |
| 81103-79-9        | Fluorene-d10                | 18.39  |           | 20-140 |      | 46         | SPK: -40 |

## Report of Analysis

|                    |              |                 |                       |
|--------------------|--------------|-----------------|-----------------------|
| Client:            |              | Date Collected: | 6/24/2024 12:00:00 AM |
| Project:           |              | Date Received:  | 6/24/2024 12:00:00 AM |
| Client Sample ID:  | A4CX4        | SDG No.:        | BG071024              |
| Lab Sample ID:     | P3035-08     | Matrix:         | Solid                 |
| Analytical Method: | SFAM_SVOC    | % Moisture:     | 12.5                  |
| Sample Wt/Vol:     | 30 Units: g  | Final Vol:      | 500 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 |
| BG062000.D        | 1         | 6/26/2024 12:00:00 AM | 7/10/2024 12:00:00 AM | PB161754      |

| CAS Number                            | Parameter                     | Conc.  | Qualifier | MDL    | LOD | LOQ / CRQL | Units    |
|---------------------------------------|-------------------------------|--------|-----------|--------|-----|------------|----------|
| 93951-76-9                            | 4,6-Dinitro-2-methylphenol-d2 | 15.583 |           | 10-130 |     | 39         | SPK: -40 |
| 1719-06-8                             | Anthracene-d10                | 18.227 |           | 10-150 |     | 46         | SPK: -40 |
| 1718-52-1                             | Pyrene-d10                    | 19.094 |           | 10-130 |     | 48         | SPK: -40 |
| 63466-71-7                            | Benzo(a)pyrene-d12            | 19.649 |           | 10-140 |     | 49         | SPK: -40 |
| <b>INTERNAL STANDARDS</b>             |                               |        |           |        |     |            |          |
| 3855-82-1                             | 1,4-Dichlorobenzene-d4        | 58023  | 8.101     |        |     |            |          |
| 1146-65-2                             | Naphthalene-d8                | 294389 | 10.909    |        |     |            |          |
| 15067-26-2                            | Acenaphthene-d10              | 211645 | 14.716    |        |     |            |          |
| 1517-22-2                             | Phenanthrene-d10              | 473685 | 17.46     |        |     |            |          |
| 1719-03-5                             | Chrysene-d12                  | 417125 | 21.72     |        |     |            |          |
| 1520-96-3                             | Perylene-d12                  | 507696 | 24.963    |        |     |            |          |
| <b>TENTATIVE IDENTIFIED COMPOUNDS</b> |                               |        |           |        |     |            |          |
| E966796                               | Total Alkanes                 | 30     | U         |        |     | 99         | ug/Kg    |

## Report of Analysis

|                    |              |                 |                       |
|--------------------|--------------|-----------------|-----------------------|
| Client:            |              | Date Collected: | 6/24/2024 12:00:00 AM |
| Project:           |              | Date Received:  | 6/24/2024 12:00:00 AM |
| Client Sample ID:  | A4CX7        | SDG No.:        | BG071024              |
| Lab Sample ID:     | P3035-09     | Matrix:         | Solid                 |
| Analytical Method: | SFAM_SVOC    | % Moisture:     | 43.1                  |
| Sample Wt/Vol:     | 30 Units: g  | Final Vol:      | 500 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 |
| BG062001.D        | 1         | 6/26/2024 12:00:00 AM | 7/10/2024 12:00:00 AM | PB161754      |

| CAS Number     | Parameter                   | Conc. | Qualifier | MDL | LOD  | LOQ / CRQL | Units |
|----------------|-----------------------------|-------|-----------|-----|------|------------|-------|
| <b>TARGETS</b> |                             |       |           |     |      |            |       |
| 123-91-1       | 1,4-Dioxane                 | 47    | U         | 47  | 11.6 | 120        | ug/Kg |
| 100-52-7       | Benzaldehyde                | 100   | U         | 100 | 140  | 580        | ug/Kg |
| 110-86-1       | Pyridine                    | 140   | U         | 140 | 290  | 580        | ug/Kg |
| 108-95-2       | Phenol                      | 53    | U         | 53  | 140  | 580        | ug/Kg |
| 111-44-4       | Bis(2-Chloroethyl)ether     | 51    | U         | 51  | 140  | 580        | ug/Kg |
| 95-57-8        | 2-Chlorophenol              | 49    | U         | 49  | 74.7 | 300        | ug/Kg |
| 95-48-7        | 2-Methylphenol              | 54    | U         | 54  | 140  | 580        | ug/Kg |
| 108-60-1       | 2,2-oxybis(1-Chloropropane) | 70    | U         | 70  | 140  | 580        | ug/Kg |
| 98-86-2        | Acetophenone                | 120   | U         | 120 | 140  | 580        | ug/Kg |
| 106-44-5       | 4-Methylphenol              | 93    | U         | 93  | 140  | 580        | ug/Kg |
| 621-64-7       | N-Nitroso-di-n-propylamine  | 140   | U         | 140 | 74.7 | 300        | ug/Kg |
| 67-72-1        | Hexachloroethane            | 110   | U         | 110 | 74.7 | 300        | ug/Kg |
| 98-95-3        | Nitrobenzene                | 110   | U         | 110 | 74.7 | 300        | ug/Kg |
| 78-59-1        | Isophorone                  | 120   | U         | 120 | 74.7 | 300        | ug/Kg |
| 88-75-5        | 2-Nitrophenol               | 110   | U         | 110 | 74.7 | 300        | ug/Kg |
| 105-67-9       | 2,4-Dimethylphenol          | 56    | U         | 56  | 74.7 | 300        | ug/Kg |
| 111-91-1       | Bis(2-Chloroethoxy)methane  | 79    | U         | 79  | 74.7 | 300        | ug/Kg |
| 120-83-2       | 2,4-Dichlorophenol          | 67    | U         | 67  | 74.7 | 300        | ug/Kg |
| 91-20-3        | Naphthalene                 | 42    | U         | 42  | 74.7 | 300        | ug/Kg |
| 106-47-8       | 4-Chloroaniline             | 63    | U         | 63  | 74.7 | 580        | ug/Kg |
| 87-68-3        | Hexachlorobutadiene         | 62    | U         | 62  | 74.7 | 300        | ug/Kg |
| 105-60-2       | Caprolactam                 | 110   | U         | 110 | 140  | 580        | ug/Kg |
| 59-50-7        | 4-Chloro-3-methylphenol     | 72    | U         | 72  | 74.7 | 300        | ug/Kg |
| 90-12-0        | 1-Methylnaphthalene         | 42    | U         | 42  | 74.7 | 300        | ug/Kg |
| 91-57-6        | 2-Methylnaphthalene         | 56    | U         | 56  | 74.7 | 300        | ug/Kg |
| 77-47-4        | Hexachlorocyclopentadiene   | 170   | U         | 170 | 140  | 580        | ug/Kg |
| 88-06-2        | 2,4,6-Trichlorophenol       | 42    | U         | 42  | 74.7 | 300        | ug/Kg |
| 95-95-4        | 2,4,5-Trichlorophenol       | 58    | U         | 58  | 74.7 | 300        | ug/Kg |

## Report of Analysis

|                    |              |                 |                       |
|--------------------|--------------|-----------------|-----------------------|
| Client:            |              | Date Collected: | 6/24/2024 12:00:00 AM |
| Project:           |              | Date Received:  | 6/24/2024 12:00:00 AM |
| Client Sample ID:  | A4CX7        | SDG No.:        | BG071024              |
| Lab Sample ID:     | P3035-09     | Matrix:         | Solid                 |
| Analytical Method: | SFAM_SVOC    | % Moisture:     | 43.1                  |
| Sample Wt/Vol:     | 30 Units: g  | Final Vol:      | 500 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 |
| BG062001.D        | 1         | 6/26/2024 12:00:00 AM | 7/10/2024 12:00:00 AM | PB161754      |

| CAS Number | Parameter                  | Conc. | Qualifier | MDL | LOD  | LOQ / CRQL | Units |
|------------|----------------------------|-------|-----------|-----|------|------------|-------|
| 92-52-4    | 1,1-Biphenyl               | 46    | U         | 46  | 74.7 | 300        | ug/Kg |
| 91-58-7    | 2-Chloronaphthalene        | 58    | U         | 58  | 74.7 | 300        | ug/Kg |
| 88-74-4    | 2-Nitroaniline             | 79    | U         | 79  | 74.7 | 300        | ug/Kg |
| 131-11-3   | Dimethylphthalate          | 53    | U         | 53  | 74.7 | 300        | ug/Kg |
| 606-20-2   | 2,6-Dinitrotoluene         | 35    | U         | 35  | 74.7 | 300        | ug/Kg |
| 208-96-8   | Acenaphthylene             | 51    | U         | 51  | 74.7 | 300        | ug/Kg |
| 99-09-2    | 3-Nitroaniline             | 120   | U         | 120 | 140  | 580        | ug/Kg |
| 83-32-9    | Acenaphthene               | 46    | U         | 46  | 74.7 | 300        | ug/Kg |
| 51-28-5    | 2,4-Dinitrophenol          | 230   | U         | 230 | 140  | 580        | ug/Kg |
| 100-02-7   | 4-Nitrophenol              | 77    | U         | 77  | 140  | 580        | ug/Kg |
| 132-64-9   | Dibenzofuran               | 47    | U         | 47  | 74.7 | 300        | ug/Kg |
| 121-14-2   | 2,4-Dinitrotoluene         | 62    | U         | 62  | 74.7 | 300        | ug/Kg |
| 84-66-2    | Diethylphthalate           | 58    | U         | 58  | 74.7 | 300        | ug/Kg |
| 86-73-7    | Fluorene                   | 47    | U         | 47  | 74.7 | 300        | ug/Kg |
| 7005-72-3  | 4-Chlorophenyl-phenylether | 35    | U         | 35  | 74.7 | 300        | ug/Kg |
| 100-01-6   | 4-Nitroaniline             | 42    | U         | 42  | 140  | 580        | ug/Kg |
| 534-52-1   | 4,6-Dinitro-2-methylphenol | 67    | U         | 67  | 140  | 580        | ug/Kg |
| 86-30-6    | N-Nitrosodiphenylamine     | 42    | U         | 42  | 74.7 | 300        | ug/Kg |
| 95-94-3    | 1,2,4,5-Tetrachlorobenzene | 60    | U         | 60  | 74.7 | 300        | ug/Kg |
| 101-55-3   | 4-Bromophenyl-phenylether  | 46    | U         | 46  | 74.7 | 300        | ug/Kg |
| 118-74-1   | Hexachlorobenzene          | 49    | U         | 49  | 74.7 | 300        | ug/Kg |
| 1912-24-9  | Atrazine                   | 49    | U         | 49  | 140  | 580        | ug/Kg |
| 87-86-5    | Pentachlorophenol          | 150   | U         | 150 | 140  | 580        | ug/Kg |
| 85-01-8    | Phenanthrene               | 170   | J         | 47  | 74.7 | 300        | ug/Kg |
| 608-93-5   | Pentachlorobenzene         | 65    | U         | 65  | 74.7 | 300        | ug/Kg |
| 120-12-7   | Anthracene                 | 44    | U         | 44  | 74.7 | 300        | ug/Kg |
| 634-66-2   | 1,2,3,4-Tetrachlorobenzene | 30    | U         | 30  | 74.7 | 300        | ug/Kg |
| 86-74-8    | Carbazole                  | 60    | U         | 60  | 140  | 580        | ug/Kg |
| 84-74-2    | Di-n-butylphthalate        | 47    | U         | 47  | 74.7 | 300        | ug/Kg |
| 206-44-0   | Fluoranthene               | 300   |           | 33  | 140  | 300        | ug/Kg |

## Report of Analysis

|                    |              |                 |                       |
|--------------------|--------------|-----------------|-----------------------|
| Client:            |              | Date Collected: | 6/24/2024 12:00:00 AM |
| Project:           |              | Date Received:  | 6/24/2024 12:00:00 AM |
| Client Sample ID:  | A4CX7        | SDG No.:        | BG071024              |
| Lab Sample ID:     | P3035-09     | Matrix:         | Solid                 |
| Analytical Method: | SFAM_SVOC    | % Moisture:     | 43.1                  |
| Sample Wt/Vol:     | 30 Units: g  | Final Vol:      | 500 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 |
| BG062001.D        | 1         | 6/26/2024 12:00:00 AM | 7/10/2024 12:00:00 AM | PB161754      |

| CAS Number        | Parameter                   | Conc.  | Qualifier | MDL    | LOD  | LOQ / CRQL | Units    |
|-------------------|-----------------------------|--------|-----------|--------|------|------------|----------|
| 129-00-0          | Pyrene                      | 230    | J         | 32     | 74.7 | 300        | ug/Kg    |
| 85-68-7           | Butylbenzylphthalate        | 39     | U         | 39     | 74.7 | 300        | ug/Kg    |
| 91-94-1           | 3,3-Dichlorobenzidine       | 91     | U         | 91     | 140  | 580        | ug/Kg    |
| 56-55-3           | Benzo(a)anthracene          | 150    | J         | 40     | 74.7 | 300        | ug/Kg    |
| 218-01-9          | Chrysene                    | 160    | J         | 42     | 74.7 | 300        | ug/Kg    |
| 117-81-7          | Bis(2-ethylhexyl)phthalate  | 140    | J         | 44     | 74.7 | 300        | ug/Kg    |
| 117-84-0          | Di-n-octyl phthalate        | 84     | U         | 84     | 140  | 580        | ug/Kg    |
| 205-99-2          | Benzo(b)fluoranthene        | 200    | J         | 65     | 74.7 | 300        | ug/Kg    |
| 207-08-9          | Benzo(k)fluoranthene        | 76     | J         | 67     | 74.7 | 300        | ug/Kg    |
| 50-32-8           | Benzo(a)pyrene              | 91     | J         | 54     | 74.7 | 300        | ug/Kg    |
| 193-39-5          | Indeno(1,2,3-cd)pyrene      | 72     | J         | 49     | 74.7 | 300        | ug/Kg    |
| 53-70-3           | Dibenzo(a,h)anthracene      | 46     | U         | 46     | 74.7 | 300        | ug/Kg    |
| 191-24-2          | Benzo(g,h,i)perylene        | 56     | U         | 56     | 74.7 | 300        | ug/Kg    |
| 58-90-2           | 2,3,4,6-Tetrachlorophenol   | 63     | U         | 63     | 74.7 | 300        | ug/Kg    |
| <b>SURROGATES</b> |                             |        |           |        |      |            |          |
| 17647-74-4        | 1,4-Dioxane-d8              | 2.791  |           | 15-120 |      | 35         | SPK: -8  |
| 7291-22-7         | Pyridine-d5                 | 1.751  | *         | 20-120 |      | 4          | SPK: -40 |
| 4165-62-2         | Phenol-d5                   | 21.487 |           | 10-130 |      | 54         | SPK: -40 |
| 93952-02-4        | Bis-(2-Chloroethyl)ether-d8 | 20.124 |           | 10-150 |      | 50         | SPK: -40 |
| 93951-73-6        | 2-Chlorophenol-d4           | 22.453 |           | 15-120 |      | 56         | SPK: -40 |
| 190780-66-6       | 4-Methylphenol-d8           | 19.542 |           | 10-140 |      | 49         | SPK: -40 |
| 4165-60-0         | Nitrobenzene-d5             | 23.141 |           | 10-135 |      | 58         | SPK: -40 |
| 93951-78-1        | 2-Nitrophenol-d4            | 23.364 |           | 10-120 |      | 58         | SPK: -40 |
| 93951-74-7        | 2,4-Dichlorophenol-d3       | 23.557 |           | 10-140 |      | 59         | SPK: -40 |
| 191656-33-4       | 4-Chloroaniline-d4          | 12.981 |           | 1-145  |      | 32         | SPK: -40 |
| 85448-30-2        | Dimethylphthalate-d6        | 22.86  |           | 10-145 |      | 57         | SPK: -40 |
| 93951-97-4        | Acenaphthylene-d8           | 24.397 |           | 15-120 |      | 61         | SPK: -40 |
| 93951-79-2        | 4-Nitrophenol-d4            | 19.629 |           | 10-150 |      | 49         | SPK: -40 |
| 81103-79-9        | Fluorene-d10                | 24.56  |           | 20-140 |      | 61         | SPK: -40 |

## Report of Analysis

|                    |              |                 |                       |
|--------------------|--------------|-----------------|-----------------------|
| Client:            |              | Date Collected: | 6/24/2024 12:00:00 AM |
| Project:           |              | Date Received:  | 6/24/2024 12:00:00 AM |
| Client Sample ID:  | A4CX7        | SDG No.:        | BG071024              |
| Lab Sample ID:     | P3035-09     | Matrix:         | Solid                 |
| Analytical Method: | SFAM_SVOC    | % Moisture:     | 43.1                  |
| Sample Wt/Vol:     | 30 Units: g  | Final Vol:      | 500 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 |
| BG062001.D        | 1         | 6/26/2024 12:00:00 AM | 7/10/2024 12:00:00 AM | PB161754      |

| CAS Number                            | Parameter                        | Conc.  | Qualifier | MDL    | LOD | LOQ / CRQL | Units    |
|---------------------------------------|----------------------------------|--------|-----------|--------|-----|------------|----------|
| 93951-76-9                            | 4,6-Dinitro-2-methylphenol-d2    | 21.356 |           | 10-130 |     | 53         | SPK: -40 |
| 1719-06-8                             | Anthracene-d10                   | 24.288 |           | 10-150 |     | 61         | SPK: -40 |
| 1718-52-1                             | Pyrene-d10                       | 22.347 |           | 10-130 |     | 56         | SPK: -40 |
| 63466-71-7                            | Benzo(a)pyrene-d12               | 18.36  |           | 10-140 |     | 46         | SPK: -40 |
| <b>INTERNAL STANDARDS</b>             |                                  |        |           |        |     |            |          |
| 3855-82-1                             | 1,4-Dichlorobenzene-d4           | 49896  | 8.096     |        |     |            |          |
| 1146-65-2                             | Naphthalene-d8                   | 255302 | 10.911    |        |     |            |          |
| 15067-26-2                            | Acenaphthene-d10                 | 176555 | 14.718    |        |     |            |          |
| 1517-22-2                             | Phenanthrene-d10                 | 395614 | 17.462    |        |     |            |          |
| 1719-03-5                             | Chrysene-d12                     | 352520 | 21.721    |        |     |            |          |
| 1520-96-3                             | Perylene-d12                     | 419122 | 24.965    |        |     |            |          |
| <b>TENTATIVE IDENTIFIED COMPOUNDS</b> |                                  |        |           |        |     |            |          |
| 000770-35-4                           | 1-Phenoxypropan-2-ol             | 130    | J         |        |     | 11.639     |          |
| 070362-47-9                           | 2,2,4,5-Tetrachloro-1,1-biphenyl | 150    | J         |        |     | 18.513     |          |
| E966796                               | Total Alkanes                    | 46     | U         |        |     | 99         | ug/Kg    |

## Report of Analysis

|                    |                        |                 |                       |
|--------------------|------------------------|-----------------|-----------------------|
| Client:            |                        | Date Collected: | 6/26/2024 12:00:00 AM |
| Project:           |                        | Date Received:  | 6/26/2024 12:00:00 AM |
| Client Sample ID:  | C0SW0                  | SDG No.:        | BG071024              |
| Lab Sample ID:     | P3108-04               | Matrix:         | Water                 |
| Analytical Method: | SFAM_SVOC              | % Moisture:     | 100                   |
| Sample Wt/Vol:     | 1000      Units:    mL | Final Vol:      | 1000              uL  |
| Soil Aliquot Vol:  | uL                     | Test:           |                       |
| Extraction Type :  | Decanted :             | Level :         | LOW                   |
| Injection Volume : | GPC Factor :           | GPC Cleanup :   | PH :                  |

|                   |           |                       |                       |               |
|-------------------|-----------|-----------------------|-----------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date             | Date Analyzed         | Prep Batch ID |
| BG062002.D        | 1         | 6/27/2024 12:00:00 AM | 7/10/2024 12:00:00 AM | PB161824      |

| CAS Number     | Parameter                   | Conc. | Qualifier | MDL  | LOD | LOQ / CRQL | Units |
|----------------|-----------------------------|-------|-----------|------|-----|------------|-------|
| <b>TARGETS</b> |                             |       |           |      |     |            |       |
| 123-91-1       | 1,4-Dioxane                 | 1.2   | U         | 1.2  | 0.5 | 2          | ug/L  |
| 100-52-7       | Benzaldehyde                | 2.3   | U         | 2.3  | 5   | 10         | ug/L  |
| 110-86-1       | Pyridine                    | 2.2   | U         | 2.2  | 10  | 10         | ug/L  |
| 108-95-2       | Phenol                      | 3     | J         | 1.5  | 5   | 10         | ug/L  |
| 111-44-4       | Bis(2-Chloroethyl)ether     | 1.3   | U         | 1.3  | 5   | 10         | ug/L  |
| 95-57-8        | 2-Chlorophenol              | 2.9   | J         | 1.2  | 2.5 | 5          | ug/L  |
| 95-48-7        | 2-Methylphenol              | 0.82  | U         | 0.82 | 5   | 10         | ug/L  |
| 108-60-1       | 2,2-oxybis(1-Chloropropane) | 1.2   | U         | 1.2  | 5   | 10         | ug/L  |
| 98-86-2        | Acetophenone                | 0.89  | U         | 0.89 | 5   | 10         | ug/L  |
| 106-44-5       | 4-Methylphenol              | 1.2   | U         | 1.2  | 5   | 10         | ug/L  |
| 621-64-7       | N-Nitroso-di-n-propylamine  | 1.5   | U         | 1.5  | 2.5 | 5          | ug/L  |
| 67-72-1        | Hexachloroethane            | 1.5   | U         | 1.5  | 2.5 | 5          | ug/L  |
| 98-95-3        | Nitrobenzene                | 60    |           | 0.99 | 2.5 | 5          | ug/L  |
| 78-59-1        | Isophorone                  | 1.1   | U         | 1.1  | 2.5 | 5          | ug/L  |
| 88-75-5        | 2-Nitrophenol               | 2.7   | J         | 1.2  | 2.5 | 5          | ug/L  |
| 105-67-9       | 2,4-Dimethylphenol          | 1.1   | U         | 1.1  | 2.5 | 5          | ug/L  |
| 111-91-1       | Bis(2-Chloroethoxy)methane  | 1.2   | U         | 1.2  | 2.5 | 5          | ug/L  |
| 120-83-2       | 2,4-Dichlorophenol          | 0.93  | U         | 0.93 | 2.5 | 5          | ug/L  |
| 91-20-3        | Naphthalene                 | 0.7   | U         | 0.7  | 2.5 | 5          | ug/L  |
| 106-47-8       | 4-Chloroaniline             | 1.8   | U         | 1.8  | 2.5 | 10         | ug/L  |
| 87-68-3        | Hexachlorobutadiene         | 0.98  | U         | 0.98 | 2.5 | 5          | ug/L  |
| 105-60-2       | Caprolactam                 | 2.9   | U         | 2.9  | 5   | 10         | ug/L  |
| 59-50-7        | 4-Chloro-3-methylphenol     | 2     | U         | 2    | 2.5 | 5          | ug/L  |
| 90-12-0        | 1-Methylnaphthalene         | 1     | U         | 1    | 2.5 | 5          | ug/L  |
| 91-57-6        | 2-Methylnaphthalene         | 1.6   | U         | 1.6  | 2.5 | 5          | ug/L  |
| 77-47-4        | Hexachlorocyclopentadiene   | 3.1   | U         | 3.1  | 5   | 10         | ug/L  |
| 88-06-2        | 2,4,6-Trichlorophenol       | 0.81  | U         | 0.81 | 2.5 | 5          | ug/L  |
| 95-95-4        | 2,4,5-Trichlorophenol       | 0.8   | U         | 0.8  | 2.5 | 5          | ug/L  |

## Report of Analysis

|                    |                        |                 |                       |
|--------------------|------------------------|-----------------|-----------------------|
| Client:            |                        | Date Collected: | 6/26/2024 12:00:00 AM |
| Project:           |                        | Date Received:  | 6/26/2024 12:00:00 AM |
| Client Sample ID:  | C0SW0                  | SDG No.:        | BG071024              |
| Lab Sample ID:     | P3108-04               | Matrix:         | Water                 |
| Analytical Method: | SFAM_SVOC              | % Moisture:     | 100                   |
| Sample Wt/Vol:     | 1000      Units:    mL | Final Vol:      | 1000      uL          |
| Soil Aliquot Vol:  | uL                     | Test:           |                       |
| Extraction Type :  | Decanted :             | Level :         | LOW                   |
| Injection Volume : | GPC Factor :           | GPC Cleanup :   | PH :                  |

|                   |           |                       |                       |               |
|-------------------|-----------|-----------------------|-----------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date             | Date Analyzed         | Prep Batch ID |
| BG062002.D        | 1         | 6/27/2024 12:00:00 AM | 7/10/2024 12:00:00 AM | PB161824      |

| CAS Number | Parameter                  | Conc. | Qualifier | MDL  | LOD | LOQ / CRQL | Units |
|------------|----------------------------|-------|-----------|------|-----|------------|-------|
| 92-52-4    | 1,1-Biphenyl               | 0.99  | U         | 0.99 | 2.5 | 5          | ug/L  |
| 91-58-7    | 2-Chloronaphthalene        | 1.1   | U         | 1.1  | 2.5 | 5          | ug/L  |
| 88-74-4    | 2-Nitroaniline             | 1.7   | U         | 1.7  | 2.5 | 5          | ug/L  |
| 131-11-3   | Dimethylphthalate          | 1.3   | U         | 1.3  | 2.5 | 5          | ug/L  |
| 606-20-2   | 2,6-Dinitrotoluene         | 1.3   | U         | 1.3  | 2.5 | 5          | ug/L  |
| 208-96-8   | Acenaphthylene             | 1.1   | U         | 1.1  | 2.5 | 5          | ug/L  |
| 99-09-2    | 3-Nitroaniline             | 1.5   | U         | 1.5  | 5   | 10         | ug/L  |
| 83-32-9    | Acenaphthene               | 1.1   | U         | 1.1  | 2.5 | 5          | ug/L  |
| 51-28-5    | 2,4-Dinitrophenol          | 2.8   | U         | 2.8  | 5   | 10         | ug/L  |
| 100-02-7   | 4-Nitrophenol              | 1.4   | U         | 1.4  | 5   | 10         | ug/L  |
| 132-64-9   | Dibenzofuran               | 0.87  | U         | 0.87 | 2.5 | 5          | ug/L  |
| 121-14-2   | 2,4-Dinitrotoluene         | 1.1   | U         | 1.1  | 2.5 | 5          | ug/L  |
| 84-66-2    | Diethylphthalate           | 0.87  | U         | 0.87 | 2.5 | 5          | ug/L  |
| 86-73-7    | Fluorene                   | 0.87  | U         | 0.87 | 2.5 | 5          | ug/L  |
| 7005-72-3  | 4-Chlorophenyl-phenylether | 0.96  | U         | 0.96 | 2.5 | 5          | ug/L  |
| 100-01-6   | 4-Nitroaniline             | 1.2   | U         | 1.2  | 5   | 10         | ug/L  |
| 534-52-1   | 4,6-Dinitro-2-methylphenol | 1.2   | U         | 1.2  | 5   | 10         | ug/L  |
| 86-30-6    | N-Nitrosodiphenylamine     | 0.71  | U         | 0.71 | 2.5 | 5          | ug/L  |
| 95-94-3    | 1,2,4,5-Tetrachlorobenzene | 46    |           | 0.9  | 2.5 | 5          | ug/L  |
| 101-55-3   | 4-Bromophenyl-phenylether  | 1.4   | U         | 1.4  | 2.5 | 5          | ug/L  |
| 118-74-1   | Hexachlorobenzene          | 0.56  | U         | 0.56 | 2.5 | 5          | ug/L  |
| 1912-24-9  | Atrazine                   | 0.96  | U         | 0.96 | 5   | 10         | ug/L  |
| 87-86-5    | Pentachlorophenol          | 2.5   | U         | 2.5  | 5   | 10         | ug/L  |
| 85-01-8    | Phenanthrene               | 0.97  | U         | 0.97 | 2.5 | 5          | ug/L  |
| 608-93-5   | Pentachlorobenzene         | 3.5   | J         | 1.2  | 2.5 | 5          | ug/L  |
| 120-12-7   | Anthracene                 | 0.72  | U         | 0.72 | 2.5 | 5          | ug/L  |
| 634-66-2   | 1,2,3,4-Tetrachlorobenzene | 110   | E         | 0.92 | 2.5 | 5          | ug/L  |
| 86-74-8    | Carbazole                  | 1     | U         | 1    | 5   | 10         | ug/L  |
| 84-74-2    | Di-n-butylphthalate        | 0.81  | U         | 0.81 | 2.5 | 5          | ug/L  |
| 206-44-0   | Fluoranthene               | 0.65  | U         | 0.65 | 5   | 5          | ug/L  |



## Report of Analysis

|                    |                        |                 |                       |
|--------------------|------------------------|-----------------|-----------------------|
| Client:            |                        | Date Collected: | 6/26/2024 12:00:00 AM |
| Project:           |                        | Date Received:  | 6/26/2024 12:00:00 AM |
| Client Sample ID:  | C0SW0                  | SDG No.:        | BG071024              |
| Lab Sample ID:     | P3108-04               | Matrix:         | Water                 |
| Analytical Method: | SFAM_SVOC              | % Moisture:     | 100                   |
| Sample Wt/Vol:     | 1000      Units:    mL | Final Vol:      | 1000      uL          |
| Soil Aliquot Vol:  | uL                     | Test:           |                       |
| Extraction Type :  | Decanted :             | Level :         | LOW                   |
| Injection Volume : | GPC Factor :           | GPC Cleanup :   | PH :                  |

|                   |           |                       |                       |               |
|-------------------|-----------|-----------------------|-----------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date             | Date Analyzed         | Prep Batch ID |
| BG062002.D        | 1         | 6/27/2024 12:00:00 AM | 7/10/2024 12:00:00 AM | PB161824      |

| CAS Number        | Parameter                   | Conc.  | Qualifier | MDL    | LOD | LOQ / CRQL | Units    |
|-------------------|-----------------------------|--------|-----------|--------|-----|------------|----------|
| 129-00-0          | Pyrene                      | 0.53   | U         | 0.53   | 2.5 | 5          | ug/L     |
| 85-68-7           | Butylbenzylphthalate        | 0.97   | U         | 0.97   | 2.5 | 5          | ug/L     |
| 91-94-1           | 3,3-Dichlorobenzidine       | 1.7    | U         | 1.7    | 5   | 10         | ug/L     |
| 56-55-3           | Benzo(a)anthracene          | 0.56   | U         | 0.56   | 2.5 | 5          | ug/L     |
| 218-01-9          | Chrysene                    | 0.75   | U         | 0.75   | 2.5 | 5          | ug/L     |
| 117-81-7          | Bis(2-ethylhexyl)phthalate  | 0.87   | U         | 0.87   | 2.5 | 5          | ug/L     |
| 117-84-0          | Di-n-octyl phthalate        | 1.5    | U         | 1.5    | 5   | 10         | ug/L     |
| 205-99-2          | Benzo(b)fluoranthene        | 1.1    | U         | 1.1    | 2.5 | 5          | ug/L     |
| 207-08-9          | Benzo(k)fluoranthene        | 1.1    | U         | 1.1    | 2.5 | 5          | ug/L     |
| 50-32-8           | Benzo(a)pyrene              | 1.1    | U         | 1.1    | 2.5 | 5          | ug/L     |
| 193-39-5          | Indeno(1,2,3-cd)pyrene      | 1.4    | U         | 1.4    | 2.5 | 5          | ug/L     |
| 53-70-3           | Dibenzo(a,h)anthracene      | 1.2    | U         | 1.2    | 2.5 | 5          | ug/L     |
| 191-24-2          | Benzo(g,h,i)perylene        | 1.1    | U         | 1.1    | 2.5 | 5          | ug/L     |
| 58-90-2           | 2,3,4,6-Tetrachlorophenol   | 1      | U         | 1      | 2.5 | 5          | ug/L     |
| <b>SURROGATES</b> |                             |        |           |        |     |            |          |
| 17647-74-4        | 1,4-Dioxane-d8              | 3.339  |           | 15-120 |     | 42         | SPK: -8  |
| 7291-22-7         | Pyridine-d5                 | 0.022  | U         | 20-120 |     | 0          | SPK: -40 |
| 4165-62-2         | Phenol-d5                   | 13.474 |           | 10-130 |     | 34         | SPK: -40 |
| 93952-02-4        | Bis-(2-Chloroethyl)ether-d8 | 33.395 |           | 25-120 |     | 83         | SPK: -40 |
| 93951-73-6        | 2-Chlorophenol-d4           | 36.368 |           | 20-130 |     | 91         | SPK: -40 |
| 190780-66-6       | 4-Methylphenol-d8           | 24.514 |           | 25-125 |     | 61         | SPK: -40 |
| 4165-60-0         | Nitrobenzene-d5             | 43.392 |           | 20-125 |     | 108        | SPK: -40 |
| 93951-78-1        | 2-Nitrophenol-d4            | 45.964 |           | 20-130 |     | 115        | SPK: -40 |
| 93951-74-7        | 2,4-Dichlorophenol-d3       | 40.914 |           | 20-120 |     | 102        | SPK: -40 |
| 191656-33-4       | 4-Chloroaniline-d4          | 3.361  |           | 1-146  |     | 8          | SPK: -40 |
| 85448-30-2        | Dimethylphthalate-d6        | 40.664 |           | 25-130 |     | 102        | SPK: -40 |
| 93951-97-4        | Acenaphthylene-d8           | 33.834 |           | 10-130 |     | 85         | SPK: -40 |
| 93951-79-2        | 4-Nitrophenol-d4            | 16.613 |           | 10-150 |     | 42         | SPK: -40 |
| 81103-79-9        | Fluorene-d10                | 40.394 |           | 25-125 |     | 101        | SPK: -40 |

## Report of Analysis

|                    |                        |                 |                       |
|--------------------|------------------------|-----------------|-----------------------|
| Client:            |                        | Date Collected: | 6/26/2024 12:00:00 AM |
| Project:           |                        | Date Received:  | 6/26/2024 12:00:00 AM |
| Client Sample ID:  | C0SW0                  | SDG No.:        | BG071024              |
| Lab Sample ID:     | P3108-04               | Matrix:         | Water                 |
| Analytical Method: | SFAM_SVOC              | % Moisture:     | 100                   |
| Sample Wt/Vol:     | 1000      Units:    mL | Final Vol:      | 1000      uL          |
| Soil Aliquot Vol:  | uL                     | Test:           |                       |
| Extraction Type :  | Decanted :             | Level :         | LOW                   |
| Injection Volume : | GPC Factor :           | GPC Cleanup :   | PH :                  |

|                   |           |                       |                       |               |
|-------------------|-----------|-----------------------|-----------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date             | Date Analyzed         | Prep Batch ID |
| BG062002.D        | 1         | 6/27/2024 12:00:00 AM | 7/10/2024 12:00:00 AM | PB161824      |

| CAS Number                            | Parameter                          | Conc.  | Qualifier | MDL    | LOD | LOQ / CRQL | Units    |
|---------------------------------------|------------------------------------|--------|-----------|--------|-----|------------|----------|
| 93951-76-9                            | 4,6-Dinitro-2-methylphenol-d2      | 45.233 |           | 10-130 |     | 113        | SPK: -40 |
| 1719-06-8                             | Anthracene-d10                     | 38.277 |           | 25-130 |     | 96         | SPK: -40 |
| 1718-52-1                             | Pyrene-d10                         | 40.35  |           | 15-130 |     | 101        | SPK: -40 |
| 63466-71-7                            | Benzo(a)pyrene-d12                 | 36.784 |           | 20-130 |     | 92         | SPK: -40 |
| <b>INTERNAL STANDARDS</b>             |                                    |        |           |        |     |            |          |
| 3855-82-1                             | 1,4-Dichlorobenzene-d4             | 51530  | 8.136     |        |     |            |          |
| 1146-65-2                             | Naphthalene-d8                     | 243893 | 10.932    |        |     |            |          |
| 15067-26-2                            | Acenaphthene-d10                   | 165512 | 14.716    |        |     |            |          |
| 1517-22-2                             | Phenanthrene-d10                   | 361084 | 17.46     |        |     |            |          |
| 1719-03-5                             | Chrysene-d12                       | 321784 | 21.72     |        |     |            |          |
| 1520-96-3                             | Perylene-d12                       | 392906 | 24.963    |        |     |            |          |
| <b>TENTATIVE IDENTIFIED COMPOUNDS</b> |                                    |        |           |        |     |            |          |
| 000106-39-8                           | Benzene, 1-bromo-4-chloro-         | 11     | J         |        |     | 9.604      |          |
| 016645-10-6                           | 4-Chlorophenylselenol              | 6.5    | J         |        |     | 9.916      |          |
| 000121-73-3                           | Benzene, 1-chloro-3-nitro-         | 25     | J         |        |     | 11.514     |          |
| 000088-73-3                           | Benzene, 1-chloro-2-nitro-         | 10     | J         |        |     | 11.725     |          |
| 000603-86-1                           | 2-Chloro-6-nitrophenol             | 4.1    | J         |        |     | 12.19      |          |
|                                       | unknown-01                         | 4.9    | J         |        |     | 18.823     |          |
| 064001-05-4                           | 1,6,11,16,21,26-Hexaoxacyclotriaco | 4.3    | J         |        |     | 21.831     |          |
| 056890-57-4                           | 1,6,11,16,21-Pentaoxacyclopentacos | 5.6    | J         |        |     | 25.456     |          |
| E966796                               | Total Alkanes                      | 0.99   | U         |        |     | 99         | ug/L     |

## Report of Analysis

|                    |              |                 |                      |
|--------------------|--------------|-----------------|----------------------|
| Client:            |              | Date Collected: | 7/3/2024 12:00:00 AM |
| Project:           |              | Date Received:  | 7/3/2024 12:00:00 AM |
| Client Sample ID:  | SLCS916      | SDG No.:        | BG071024             |
| Lab Sample ID:     | PB161916BS   | Matrix:         | Solid                |
| Analytical Method: | SFAM_SVOC    | % Moisture:     | 0                    |
| Sample Wt/Vol:     | 30 Units: g  | Final Vol:      | 500 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 |
| BG062003.D        | 1         | 7/3/2024 12:00:00 AM | 7/10/2024 12:00:00 AM | PB161916      |

| CAS Number     | Parameter                   | Conc. | Qualifier | MDL | LOD  | LOQ / CRQL | Units |
|----------------|-----------------------------|-------|-----------|-----|------|------------|-------|
| <b>TARGETS</b> |                             |       |           |     |      |            |       |
| 123-91-1       | 1,4-Dioxane                 | 310   |           | 27  | 6.6  | 67         | ug/Kg |
| 100-52-7       | Benzaldehyde                | 1000  |           | 58  | 82.5 | 330        | ug/Kg |
| 110-86-1       | Pyridine                    | 810   |           | 77  | 170  | 330        | ug/Kg |
| 108-95-2       | Phenol                      | 1000  |           | 30  | 82.5 | 330        | ug/Kg |
| 111-44-4       | Bis(2-Chloroethyl)ether     | 900   |           | 29  | 82.5 | 330        | ug/Kg |
| 95-57-8        | 2-Chlorophenol              | 1100  |           | 28  | 42.5 | 170        | ug/Kg |
| 95-48-7        | 2-Methylphenol              | 990   |           | 31  | 82.5 | 330        | ug/Kg |
| 108-60-1       | 2,2-oxybis(1-Chloropropane) | 880   |           | 40  | 82.5 | 330        | ug/Kg |
| 98-86-2        | Acetophenone                | 950   |           | 66  | 82.5 | 330        | ug/Kg |
| 106-44-5       | 4-Methylphenol              | 1000  |           | 53  | 82.5 | 330        | ug/Kg |
| 621-64-7       | N-Nitroso-di-n-propylamine  | 920   |           | 79  | 42.5 | 170        | ug/Kg |
| 67-72-1        | Hexachloroethane            | 1000  |           | 61  | 42.5 | 170        | ug/Kg |
| 98-95-3        | Nitrobenzene                | 1100  |           | 64  | 42.5 | 170        | ug/Kg |
| 78-59-1        | Isophorone                  | 890   |           | 66  | 42.5 | 170        | ug/Kg |
| 88-75-5        | 2-Nitrophenol               | 1100  |           | 60  | 42.5 | 170        | ug/Kg |
| 105-67-9       | 2,4-Dimethylphenol          | 820   |           | 32  | 42.5 | 170        | ug/Kg |
| 111-91-1       | Bis(2-Chloroethoxy)methane  | 900   |           | 45  | 42.5 | 170        | ug/Kg |
| 120-83-2       | 2,4-Dichlorophenol          | 1100  |           | 38  | 42.5 | 170        | ug/Kg |
| 91-20-3        | Naphthalene                 | 1100  |           | 24  | 42.5 | 170        | ug/Kg |
| 106-47-8       | 4-Chloroaniline             | 840   |           | 36  | 42.5 | 330        | ug/Kg |
| 87-68-3        | Hexachlorobutadiene         | 1200  |           | 35  | 42.5 | 170        | ug/Kg |
| 105-60-2       | Caprolactam                 | 930   |           | 64  | 82.5 | 330        | ug/Kg |
| 59-50-7        | 4-Chloro-3-methylphenol     | 1100  |           | 41  | 42.5 | 170        | ug/Kg |
| 90-12-0        | 1-Methylnaphthalene         | 1000  |           | 24  | 42.5 | 170        | ug/Kg |
| 91-57-6        | 2-Methylnaphthalene         | 1000  |           | 32  | 42.5 | 170        | ug/Kg |
| 77-47-4        | Hexachlorocyclopentadiene   | 540   |           | 97  | 82.5 | 330        | ug/Kg |
| 88-06-2        | 2,4,6-Trichlorophenol       | 1000  |           | 24  | 42.5 | 170        | ug/Kg |
| 95-95-4        | 2,4,5-Trichlorophenol       | 1000  |           | 33  | 42.5 | 170        | ug/Kg |

## Report of Analysis

|                    |              |                 |                      |
|--------------------|--------------|-----------------|----------------------|
| Client:            |              | Date Collected: | 7/3/2024 12:00:00 AM |
| Project:           |              | Date Received:  | 7/3/2024 12:00:00 AM |
| Client Sample ID:  | SLCS916      | SDG No.:        | BG071024             |
| Lab Sample ID:     | PB161916BS   | Matrix:         | Solid                |
| Analytical Method: | SFAM_SVOC    | % Moisture:     | 0                    |
| Sample Wt/Vol:     | 30 Units: g  | Final Vol:      | 500 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 |
| BG062003.D        | 1         | 7/3/2024 12:00:00 AM | 7/10/2024 12:00:00 AM | PB161916      |

| CAS Number | Parameter                  | Conc. | Qualifier | MDL | LOD  | LOQ / CRQL | Units |
|------------|----------------------------|-------|-----------|-----|------|------------|-------|
| 92-52-4    | 1,1-Biphenyl               | 1100  |           | 26  | 42.5 | 170        | ug/Kg |
| 91-58-7    | 2-Chloronaphthalene        | 1100  |           | 33  | 42.5 | 170        | ug/Kg |
| 88-74-4    | 2-Nitroaniline             | 1200  |           | 45  | 42.5 | 170        | ug/Kg |
| 131-11-3   | Dimethylphthalate          | 1000  |           | 30  | 42.5 | 170        | ug/Kg |
| 606-20-2   | 2,6-Dinitrotoluene         | 1200  |           | 20  | 42.5 | 170        | ug/Kg |
| 208-96-8   | Acenaphthylene             | 1000  |           | 29  | 42.5 | 170        | ug/Kg |
| 99-09-2    | 3-Nitroaniline             | 1100  |           | 66  | 82.5 | 330        | ug/Kg |
| 83-32-9    | Acenaphthene               | 1100  |           | 26  | 42.5 | 170        | ug/Kg |
| 51-28-5    | 2,4-Dinitrophenol          | 950   |           | 130 | 82.5 | 330        | ug/Kg |
| 100-02-7   | 4-Nitrophenol              | 1200  |           | 44  | 82.5 | 330        | ug/Kg |
| 132-64-9   | Dibenzofuran               | 1100  |           | 27  | 42.5 | 170        | ug/Kg |
| 121-14-2   | 2,4-Dinitrotoluene         | 1200  |           | 35  | 42.5 | 170        | ug/Kg |
| 84-66-2    | Diethylphthalate           | 1000  |           | 33  | 42.5 | 170        | ug/Kg |
| 86-73-7    | Fluorene                   | 1000  |           | 27  | 42.5 | 170        | ug/Kg |
| 7005-72-3  | 4-Chlorophenyl-phenylether | 1100  |           | 20  | 42.5 | 170        | ug/Kg |
| 100-01-6   | 4-Nitroaniline             | 1200  |           | 24  | 82.5 | 330        | ug/Kg |
| 534-52-1   | 4,6-Dinitro-2-methylphenol | 1100  |           | 38  | 82.5 | 330        | ug/Kg |
| 86-30-6    | N-Nitrosodiphenylamine     | 1100  |           | 24  | 42.5 | 170        | ug/Kg |
| 95-94-3    | 1,2,4,5-Tetrachlorobenzene | 1200  |           | 34  | 42.5 | 170        | ug/Kg |
| 101-55-3   | 4-Bromophenyl-phenylether  | 1100  |           | 26  | 42.5 | 170        | ug/Kg |
| 118-74-1   | Hexachlorobenzene          | 1200  |           | 28  | 42.5 | 170        | ug/Kg |
| 1912-24-9  | Atrazine                   | 170   | J         | 28  | 82.5 | 330        | ug/Kg |
| 87-86-5    | Pentachlorophenol          | 760   |           | 88  | 82.5 | 330        | ug/Kg |
| 85-01-8    | Phenanthrene               | 1100  |           | 27  | 42.5 | 170        | ug/Kg |
| 608-93-5   | Pentachlorobenzene         | 1200  |           | 37  | 42.5 | 170        | ug/Kg |
| 120-12-7   | Anthracene                 | 1000  |           | 25  | 42.5 | 170        | ug/Kg |
| 634-66-2   | 1,2,3,4-Tetrachlorobenzene | 1300  |           | 17  | 42.5 | 170        | ug/Kg |
| 86-74-8    | Carbazole                  | 1100  |           | 34  | 82.5 | 330        | ug/Kg |
| 84-74-2    | Di-n-butylphthalate        | 1000  |           | 27  | 42.5 | 170        | ug/Kg |
| 206-44-0   | Fluoranthene               | 1000  |           | 19  | 82.5 | 170        | ug/Kg |

## Report of Analysis

|                    |              |                 |                      |
|--------------------|--------------|-----------------|----------------------|
| Client:            |              | Date Collected: | 7/3/2024 12:00:00 AM |
| Project:           |              | Date Received:  | 7/3/2024 12:00:00 AM |
| Client Sample ID:  | SLCS916      | SDG No.:        | BG071024             |
| Lab Sample ID:     | PB161916BS   | Matrix:         | Solid                |
| Analytical Method: | SFAM_SVOC    | % Moisture:     | 0                    |
| Sample Wt/Vol:     | 30 Units: g  | Final Vol:      | 500 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 |
| BG062003.D        | 1         | 7/3/2024 12:00:00 AM | 7/10/2024 12:00:00 AM | PB161916      |

| CAS Number        | Parameter                   | Conc.  | Qualifier | MDL    | LOD  | LOQ / CRQL | Units    |
|-------------------|-----------------------------|--------|-----------|--------|------|------------|----------|
| 129-00-0          | Pyrene                      | 1000   |           | 18     | 42.5 | 170        | ug/Kg    |
| 85-68-7           | Butylbenzylphthalate        | 1000   |           | 22     | 42.5 | 170        | ug/Kg    |
| 91-94-1           | 3,3-Dichlorobenzidine       | 1200   |           | 52     | 82.5 | 330        | ug/Kg    |
| 56-55-3           | Benzo(a)anthracene          | 1100   |           | 23     | 42.5 | 170        | ug/Kg    |
| 218-01-9          | Chrysene                    | 1100   |           | 24     | 42.5 | 170        | ug/Kg    |
| 117-81-7          | Bis(2-ethylhexyl)phthalate  | 1000   |           | 25     | 42.5 | 170        | ug/Kg    |
| 117-84-0          | Di-n-octyl phthalate        | 1100   |           | 48     | 82.5 | 330        | ug/Kg    |
| 205-99-2          | Benzo(b)fluoranthene        | 1100   |           | 37     | 42.5 | 170        | ug/Kg    |
| 207-08-9          | Benzo(k)fluoranthene        | 1100   |           | 38     | 42.5 | 170        | ug/Kg    |
| 50-32-8           | Benzo(a)pyrene              | 1000   |           | 31     | 42.5 | 170        | ug/Kg    |
| 193-39-5          | Indeno(1,2,3-cd)pyrene      | 1100   |           | 28     | 42.5 | 170        | ug/Kg    |
| 53-70-3           | Dibenzo(a,h)anthracene      | 1100   |           | 26     | 42.5 | 170        | ug/Kg    |
| 191-24-2          | Benzo(g,h,i)perylene        | 1000   |           | 32     | 42.5 | 170        | ug/Kg    |
| 58-90-2           | 2,3,4,6-Tetrachlorophenol   | 920    |           | 36     | 42.5 | 170        | ug/Kg    |
| <b>SURROGATES</b> |                             |        |           |        |      |            |          |
| 17647-74-4        | 1,4-Dioxane-d8              | 5.447  |           | 15-120 |      | 68         | SPK: -8  |
| 7291-22-7         | Pyridine-d5                 | 23.763 |           | 20-120 |      | 59         | SPK: -40 |
| 4165-62-2         | Phenol-d5                   | 29.967 |           | 10-130 |      | 75         | SPK: -40 |
| 93952-02-4        | Bis-(2-Chloroethyl)ether-d8 | 27.624 |           | 10-150 |      | 69         | SPK: -40 |
| 93951-73-6        | 2-Chlorophenol-d4           | 30.482 |           | 15-120 |      | 76         | SPK: -40 |
| 190780-66-6       | 4-Methylphenol-d8           | 29.028 |           | 10-140 |      | 73         | SPK: -40 |
| 4165-60-0         | Nitrobenzene-d5             | 32.717 |           | 10-135 |      | 82         | SPK: -40 |
| 93951-78-1        | 2-Nitrophenol-d4            | 33.792 |           | 10-120 |      | 84         | SPK: -40 |
| 93951-74-7        | 2,4-Dichlorophenol-d3       | 34.226 |           | 10-140 |      | 86         | SPK: -40 |
| 191656-33-4       | 4-Chloroaniline-d4          | 25.854 |           | 1-145  |      | 65         | SPK: -40 |
| 85448-30-2        | Dimethylphthalate-d6        | 31.162 |           | 10-145 |      | 78         | SPK: -40 |
| 93951-97-4        | Acenaphthylene-d8           | 33.208 |           | 15-120 |      | 83         | SPK: -40 |
| 93951-79-2        | 4-Nitrophenol-d4            | 30.603 |           | 10-150 |      | 77         | SPK: -40 |
| 81103-79-9        | Fluorene-d10                | 32.34  |           | 20-140 |      | 81         | SPK: -40 |

## Report of Analysis

|                    |              |                 |                      |
|--------------------|--------------|-----------------|----------------------|
| Client:            |              | Date Collected: | 7/3/2024 12:00:00 AM |
| Project:           |              | Date Received:  | 7/3/2024 12:00:00 AM |
| Client Sample ID:  | SLCS916      | SDG No.:        | BG071024             |
| Lab Sample ID:     | PB161916BS   | Matrix:         | Solid                |
| Analytical Method: | SFAM_SVOC    | % Moisture:     | 0                    |
| Sample Wt/Vol:     | 30 Units: g  | Final Vol:      | 500 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 |
| BG062003.D        | 1         | 7/3/2024 12:00:00 AM | 7/10/2024 12:00:00 AM | PB161916      |

| CAS Number                            | Parameter                     | Conc.  | Qualifier | MDL    | LOD | LOQ / CRQL | Units    |
|---------------------------------------|-------------------------------|--------|-----------|--------|-----|------------|----------|
| 93951-76-9                            | 4,6-Dinitro-2-methylphenol-d2 | 36.086 |           | 10-130 |     | 90         | SPK: -40 |
| 1719-06-8                             | Anthracene-d10                | 31.103 |           | 10-150 |     | 78         | SPK: -40 |
| 1718-52-1                             | Pyrene-d10                    | 31.781 |           | 10-130 |     | 79         | SPK: -40 |
| 63466-71-7                            | Benzo(a)pyrene-d12            | 33.7   |           | 10-140 |     | 84         | SPK: -40 |
| <b>INTERNAL STANDARDS</b>             |                               |        |           |        |     |            |          |
| 3855-82-1                             | 1,4-Dichlorobenzene-d4        | 49642  | 8.093     |        |     |            |          |
| 1146-65-2                             | Naphthalene-d8                | 244974 | 10.907    |        |     |            |          |
| 15067-26-2                            | Acenaphthene-d10              | 170028 | 14.721    |        |     |            |          |
| 1517-22-2                             | Phenanthrene-d10              | 386677 | 17.459    |        |     |            |          |
| 1719-03-5                             | Chrysene-d12                  | 347318 | 21.724    |        |     |            |          |
| 1520-96-3                             | Perylene-d12                  | 413367 | 24.967    |        |     |            |          |
| <b>TENTATIVE IDENTIFIED COMPOUNDS</b> |                               |        |           |        |     |            |          |
| E966796                               | Total Alkanes                 | 26     | U         |        |     | 99         | ug/Kg    |

### Hit Summary Sheet SW-846

SDG No.: BG071024

Client:

| Sample ID            | Client ID | Matrix | Parameter                         | Concentration | C       | MDL  | RDL | Units |
|----------------------|-----------|--------|-----------------------------------|---------------|---------|------|-----|-------|
| Client ID : A4CX4    |           |        |                                   |               |         |      |     |       |
| P3035-08             | A4CX4     | Solid  | Total Alkanes                     | *             | 0.000   | 30   | 190 | ug/Kg |
| Total Tics :         |           |        |                                   | 0.00          |         |      |     |       |
| Total Concentration: |           |        |                                   | 0.00          |         |      |     |       |
| Client ID : A4CX7    |           |        |                                   |               |         |      |     |       |
| P3035-09             | A4CX7     | Solid  | 1-Phenoxypropan-2-ol              | *             | 130.000 | J    |     |       |
| P3035-09             | A4CX7     | Solid  | 2,2,4,5-Tetrachloro-1,1-biphenyl  | *             | 150.000 | J    |     |       |
| P3035-09             | A4CX7     | Solid  | Total Alkanes                     | *             | 0.000   | 46   | 300 | ug/Kg |
| Total Tics :         |           |        |                                   | 280.00        |         |      |     |       |
| P3035-09             | A4CX7     | Solid  | Benzo(a)anthracene                |               | 150.000 | J 40 | 300 | ug/Kg |
| P3035-09             | A4CX7     | Solid  | Benzo(a)pyrene                    |               | 91.000  | J 54 | 300 | ug/Kg |
| P3035-09             | A4CX7     | Solid  | Benzo(b)fluoranthene              |               | 200.000 | J 65 | 300 | ug/Kg |
| P3035-09             | A4CX7     | Solid  | Benzo(k)fluoranthene              |               | 76.000  | J 67 | 300 | ug/Kg |
| P3035-09             | A4CX7     | Solid  | Bis(2-ethylhexyl)phthalate        |               | 140.000 | J 44 | 300 | ug/Kg |
| P3035-09             | A4CX7     | Solid  | Chrysene                          |               | 160.000 | J 42 | 300 | ug/Kg |
| P3035-09             | A4CX7     | Solid  | Fluoranthene                      |               | 300.000 | J 33 | 300 | ug/Kg |
| P3035-09             | A4CX7     | Solid  | Indeno(1,2,3-cd)pyrene            |               | 72.000  | J 49 | 300 | ug/Kg |
| P3035-09             | A4CX7     | Solid  | Phenanthrene                      |               | 170.000 | J 47 | 300 | ug/Kg |
| P3035-09             | A4CX7     | Solid  | Pyrene                            |               | 230.000 | J 32 | 300 | ug/Kg |
| Total Svoc :         |           |        |                                   | 1,589.00      |         |      |     |       |
| Total Concentration: |           |        |                                   | 1,869.00      |         |      |     |       |
| Client ID : A4CE1    |           |        |                                   |               |         |      |     |       |
| P3102-02             | A4CE1     | Solid  | (DEL) Alkane: Straight-Chain22.5  | *             | 240.000 | J    |     |       |
| P3102-02             | A4CE1     | Solid  | 1,1-Biphenyl, 2,4,4-trichloro-    | *             | 87.000  | J    |     |       |
| P3102-02             | A4CE1     | Solid  | 1-Phenoxypropan-2-ol              | *             | 83.000  | J    |     |       |
| P3102-02             | A4CE1     | Solid  | 3,4,4,5-Tetrachloro-1,1-biphenyl  | *             | 120.000 | J    |     |       |
| P3102-02             | A4CE1     | Solid  | Carbonic acid, octadecyl prop-1-e | *             | 240.000 | J    |     |       |
| P3102-02             | A4CE1     | Solid  | Dodecane, 1-iodo-                 | *             | 750.000 | J    |     |       |
| P3102-02             | A4CE1     | Solid  | Phenanthrene, 2-methyl-           | *             | 74.000  | J    |     |       |
| P3102-02             | A4CE1     | Solid  | Pyrene, 1-methyl-                 | *             | 99.000  | J    |     |       |
| P3102-02             | A4CE1     | Solid  | Tridecanoic acid                  | *             | 230.000 | J    |     |       |
| P3102-02             | A4CE1     | Solid  | unknown-01                        | *             | 84.000  | J    |     |       |
| P3102-02             | A4CE1     | Solid  | unknown-02                        | *             | 150.000 | J    |     |       |
| P3102-02             | A4CE1     | Solid  | unknown-03                        | *             | 180.000 | J    |     |       |
| P3102-02             | A4CE1     | Solid  | Total Alkanes                     | *             | 240.000 | 28   | 190 | ug/Kg |
| Total Tics :         |           |        |                                   | 2,577.00      |         |      |     |       |
| P3102-02             | A4CE1     | Solid  | Anthracene                        |               | 76.000  | J 27 | 190 | ug/Kg |
| P3102-02             | A4CE1     | Solid  | Benzo(a)anthracene                |               | 330.000 | 25   | 190 | ug/Kg |

### Hit Summary Sheet SW-846

SDG No.: BG071024

Client:

| Sample ID                   | Client ID | Matrix | Parameter                  | Concentration   | C | MDL | RDL | Units |
|-----------------------------|-----------|--------|----------------------------|-----------------|---|-----|-----|-------|
| P3102-02                    | A4CE1     | Solid  | Benzo(a)pyrene             | 190.000         |   | 34  | 190 | ug/Kg |
| P3102-02                    | A4CE1     | Solid  | Benzo(b)fluoranthene       | 490.000         |   | 41  | 190 | ug/Kg |
| P3102-02                    | A4CE1     | Solid  | Benzo(k)fluoranthene       | 180.000         | J | 42  | 190 | ug/Kg |
| P3102-02                    | A4CE1     | Solid  | Bis(2-ethylhexyl)phthalate | 300.000         |   | 27  | 190 | ug/Kg |
| P3102-02                    | A4CE1     | Solid  | Carbazole                  | 47.000          | J | 37  | 360 | ug/Kg |
| P3102-02                    | A4CE1     | Solid  | Chrysene                   | 390.000         |   | 26  | 190 | ug/Kg |
| P3102-02                    | A4CE1     | Solid  | Dibenzo(a,h)anthracene     | 66.000          | J | 28  | 190 | ug/Kg |
| P3102-02                    | A4CE1     | Solid  | Fluoranthene               | 720.000         |   | 21  | 190 | ug/Kg |
| P3102-02                    | A4CE1     | Solid  | Indeno(1,2,3-cd)pyrene     | 160.000         | J | 31  | 190 | ug/Kg |
| P3102-02                    | A4CE1     | Solid  | Phenanthrene               | 410.000         |   | 30  | 190 | ug/Kg |
| P3102-02                    | A4CE1     | Solid  | Pyrene                     | 510.000         |   | 20  | 190 | ug/Kg |
| <b>Total Svoc :</b>         |           |        |                            | <b>3,869.00</b> |   |     |     |       |
| <b>Total Concentration:</b> |           |        |                            | <b>6,446.00</b> |   |     |     |       |

**Client ID : C0SW0**

|                             |       |       |                                    |               |   |      |    |      |
|-----------------------------|-------|-------|------------------------------------|---------------|---|------|----|------|
| P3108-04                    | C0SW0 | Water | 1,6,11,16,21,26-Hexaoxacyclotria * | 4.300         | J |      |    |      |
| P3108-04                    | C0SW0 | Water | 1,6,11,16,21-Pentaoxacyclopentac * | 5.600         | J |      |    |      |
| P3108-04                    | C0SW0 | Water | 2-Chloro-6-nitrophenol *           | 4.100         | J |      |    |      |
| P3108-04                    | C0SW0 | Water | 4-Chlorophenylselenol *            | 6.500         | J |      |    |      |
| P3108-04                    | C0SW0 | Water | Benzene, 1-bromo-4-chloro- *       | 11.000        | J |      |    |      |
| P3108-04                    | C0SW0 | Water | Benzene, 1-chloro-2-nitro- *       | 10.000        | J |      |    |      |
| P3108-04                    | C0SW0 | Water | Benzene, 1-chloro-3-nitro- *       | 25.000        | J |      |    |      |
| P3108-04                    | C0SW0 | Water | unknown-01 *                       | 4.900         | J |      |    |      |
| P3108-04                    | C0SW0 | Water | Total Alkanes *                    | 0.000         |   | 0.99 | 5  | ug/L |
| <b>Total Tics :</b>         |       |       |                                    | <b>71.40</b>  |   |      |    |      |
| P3108-04                    | C0SW0 | Water | 1,2,3,4-Tetrachlorobenzene         | 110.000       | E | 0.92 | 5  | ug/L |
| P3108-04                    | C0SW0 | Water | 1,2,4,5-Tetrachlorobenzene         | 46.000        |   | 0.9  | 5  | ug/L |
| P3108-04                    | C0SW0 | Water | 2-Chlorophenol                     | 2.900         | J | 1.2  | 5  | ug/L |
| P3108-04                    | C0SW0 | Water | 2-Nitrophenol                      | 2.700         | J | 1.2  | 5  | ug/L |
| P3108-04                    | C0SW0 | Water | Nitrobenzene                       | 60.000        |   | 0.99 | 5  | ug/L |
| P3108-04                    | C0SW0 | Water | Pentachlorobenzene                 | 3.500         | J | 1.2  | 5  | ug/L |
| P3108-04                    | C0SW0 | Water | Phenol                             | 3.000         | J | 1.5  | 10 | ug/L |
| <b>Total Svoc :</b>         |       |       |                                    | <b>228.10</b> |   |      |    |      |
| <b>Total Concentration:</b> |       |       |                                    | <b>299.50</b> |   |      |    |      |

**Client ID : H0HC4**

|          |       |       |                                    |       |   |  |  |  |
|----------|-------|-------|------------------------------------|-------|---|--|--|--|
| P3109-06 | H0HC4 | Water | (DEL) Alkane: Straight-Chain3.95 * | 2.900 | J |  |  |  |
| P3109-06 | H0HC4 | Water | 2-Cyclopentene-1-carboxylic acid * | 3.000 | J |  |  |  |
| P3109-06 | H0HC4 | Water | 2-Heptanone, 5-methyl- *           | 4.200 | J |  |  |  |
| P3109-06 | H0HC4 | Water | 2-Pentanol, 2-methyl- *            | 6.000 | J |  |  |  |
| P3109-06 | H0HC4 | Water | 3-Pentanol, 2,3-dimethyl- *        | 2.500 | J |  |  |  |



### Hit Summary Sheet SW-846

SDG No.: BG071024

Client:

| Sample ID            | Client ID |       | Parameter                         | Concentration | C       | MDL  | RDL  | Units |
|----------------------|-----------|-------|-----------------------------------|---------------|---------|------|------|-------|
| P3109-06             | H0HC4     | Water | 4-Indancarboxylic acid, 7-methyl- | *             | 4.400   | J    |      |       |
| P3109-06             | H0HC4     | Water | Butyl 2-ethylhexanoate            | *             | 100.000 | J    |      |       |
| P3109-06             | H0HC4     | Water | Cyclopentene, 1,4-dimethyl-5-(1-) | *             | 4.300   | J    |      |       |
| P3109-06             | H0HC4     | Water | Octadecanoic acid                 | *             | 2.000   | J    |      |       |
| P3109-06             | H0HC4     | Water | unknown-01                        | *             | 2.400   | J    |      |       |
| P3109-06             | H0HC4     | Water | unknown-02                        | *             | 6.300   | J    |      |       |
| P3109-06             | H0HC4     | Water | unknown-03                        | *             | 22.000  | J    |      |       |
| P3109-06             | H0HC4     | Water | unknown-04                        | *             | 49.000  | J    |      |       |
| P3109-06             | H0HC4     | Water | unknown-05                        | *             | 2.500   | J    |      |       |
| P3109-06             | H0HC4     | Water | Total Alkanes                     | *             | 2.900   | 0.99 | 5    | ug/L  |
| Total Tics :         |           |       |                                   |               | 214.40  |      |      |       |
| Total Concentration: |           |       |                                   |               | 214.40  |      |      |       |
| Client ID :          | SP6561    |       |                                   |               |         |      |      |       |
| SP6561               | SP6561    | Water | Total Alkanes                     | *             | 0.000   | 990  | 5000 | ug/L  |
| Total Tics :         |           |       |                                   |               | 0.00    |      |      |       |
| Total Concentration: |           |       |                                   |               | 0.00    |      |      |       |



6C

## SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: \_\_\_\_\_  
Lab Code: CHEM Case No.: BG070224 SAS No.: BG070224 SDG No.: BG070224  
Instrument ID: \_\_\_\_\_ Calibration Date(s): 7/2/2024 1: \_\_\_\_\_  
Calibration Time(s): 18:39 \_\_\_\_\_

|                            |        |                     |        |                     |        |                     |       |       |
|----------------------------|--------|---------------------|--------|---------------------|--------|---------------------|-------|-------|
| LAB FILE ID:               |        | RRFAL1 = BG061850.D |        | RRFAL2 = BG061851.D |        | RRFAL3 = BG061852.D |       |       |
|                            |        | RRFAL4 = BG061853.D |        | RRFAL5 = BG061854.D |        | RRFAL6 = BG061855.D |       |       |
| COMPOUND                   | RRFAL1 | RRFAL2              | RRFAL3 | RRFAL4              | RRFAL5 | RRFAL6              | RRF   | % RSD |
| 1,4-Dioxane                | 0.634  | 0.588               | 0.586  | 0.560               | 0.569  |                     | 0.587 | 4.8   |
| Benzaldehyde               |        | 1.263               | 1.421  | 1.270               | 1.026  | 0.812               | 1.158 | 20.7  |
| Pyridine                   |        | 1.656               | 1.728  | 1.709               | 1.647  | 1.651               | 1.678 | 2.2   |
| Hexachloroethane           | 0.683  | 0.651               | 0.686  | 0.660               | 0.638  |                     | 0.664 | 3.1   |
| Nitrobenzene               | 0.421  | 0.429               | 0.433  | 0.442               | 0.434  |                     | 0.432 | 1.8   |
| Isophorone                 | 1.036  | 1.021               | 1.014  | 0.923               | 0.883  |                     | 0.975 | 7.0   |
| 2-Nitrophenol              | 0.164  | 0.167               | 0.187  | 0.182               | 0.186  |                     | 0.177 | 6.2   |
| 2,4-Dimethylphenol         | 0.413  | 0.428               | 0.447  | 0.423               | 0.409  |                     | 0.424 | 3.5   |
| Bis(2-Chloroethoxy)methane | 0.558  | 0.562               | 0.551  | 0.526               | 0.489  |                     | 0.537 | 5.6   |
| 2,4-Dichlorophenol         | 0.325  | 0.306               | 0.331  | 0.306               | 0.306  |                     | 0.315 | 3.8   |
| Naphthalene                | 1.084  | 1.112               | 1.154  | 1.093               | 1.050  |                     | 1.099 | 3.5   |
| 4-Chloroaniline            |        | 0.498               | 0.518  | 0.479               | 0.453  | 0.439               | 0.477 | 6.8   |
| Hexachlorobutadiene        | 0.235  | 0.231               | 0.248  | 0.234               | 0.237  |                     | 0.237 | 2.7   |
| Phenol                     |        | 2.180               | 2.239  | 2.303               | 2.205  | 2.277               | 2.241 | 2.2   |
| Caprolactam                |        | 0.128               | 0.144  | 0.118               | 0.115  | 0.110               | 0.123 | 10.9  |
| 4-Chloro-3-methylphenol    | 0.412  | 0.433               | 0.439  | 0.410               | 0.402  |                     | 0.419 | 3.9   |
| 1-Methylnaphthalene        | 0.834  | 0.858               | 0.873  | 0.807               | 0.765  |                     | 0.827 | 5.2   |
| 2-Methylnaphthalene        | 0.793  | 0.837               | 0.833  | 0.775               | 0.742  |                     | 0.796 | 5.1   |
| Hexachlorocyclopentadiene  |        | 0.354               | 0.377  | 0.407               | 0.427  | 0.433               | 0.400 | 8.4   |
| 2,4,6-Trichlorophenol      | 0.396  | 0.384               | 0.401  | 0.408               | 0.405  |                     | 0.399 | 2.4   |
| 2,4,5-Trichlorophenol      | 0.447  | 0.430               | 0.442  | 0.434               | 0.439  |                     | 0.438 | 1.5   |
| 1,1-Biphenyl               | 1.560  | 1.582               | 1.558  | 1.518               | 1.488  |                     | 1.541 | 2.4   |
| 2-Chloronaphthalene        | 1.191  | 1.149               | 1.175  | 1.147               | 1.121  |                     | 1.157 | 2.3   |
| 2-Nitroaniline             | 0.423  | 0.438               | 0.479  | 0.486               | 0.490  |                     | 0.463 | 6.6   |
| Bis(2-Chloroethyl)ether    |        | 1.802               | 1.704  | 1.749               | 1.688  | 1.664               | 1.721 | 3.2   |
| Dimethylphthalate          | 1.651  | 1.598               | 1.668  | 1.514               | 1.476  |                     | 1.582 | 5.3   |
| 2,6-Dinitrotoluene         | 0.276  | 0.287               | 0.315  | 0.313               | 0.309  |                     | 0.300 | 5.8   |
| Acenaphthylene             | 1.945  | 1.888               | 1.929  | 1.875               | 1.799  |                     | 1.887 | 3.0   |
| 3-Nitroaniline             |        | 0.287               | 0.326  | 0.304               | 0.280  | 0.263               | 0.292 | 8.3   |
| Acenaphthene               | 1.314  | 1.306               | 1.338  | 1.305               | 1.251  |                     | 1.303 | 2.4   |
| 2,4-Dinitrophenol          |        | 0.116               | 0.152  | 0.157               | 0.175  | 0.184               | 0.157 | 16.9  |
| 4-Nitrophenol              |        | 0.283               | 0.317  | 0.303               | 0.304  | 0.293               | 0.300 | 4.2   |
| Dibenzofuran               | 1.892  | 1.880               | 1.907  | 1.817               | 1.712  |                     | 1.842 | 4.4   |
| 2,4-Dinitrotoluene         | 0.420  | 0.419               | 0.445  | 0.456               | 0.459  |                     | 0.440 | 4.4   |
| Diethylphthalate           | 1.799  | 1.730               | 1.804  | 1.638               | 1.550  |                     | 1.704 | 6.4   |
| 2-Chlorophenol             | 1.390  | 1.576               | 1.601  | 1.546               | 1.535  |                     | 1.530 | 5.4   |

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1

## SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

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

Lab Code: CHEM Case No.: BG070224 SAS No.: BG070224 SDG No.: BG070224

Instrument ID: \_\_\_\_\_ Calibration Date(s): 7/2/2024 1: \_\_\_\_\_

Calibration Time(s): 18:39 \_\_\_\_\_

| LAB FILE ID:                 |        | RRFAL1 = BG061850.D |        | RRFAL2 = BG061851.D |        | RRFAL3 = BG061852.D |       |       |
|------------------------------|--------|---------------------|--------|---------------------|--------|---------------------|-------|-------|
|                              |        | RRFAL4 = BG061853.D |        | RRFAL5 = BG061854.D |        | RRFAL6 = BG061855.D |       |       |
| COMPOUND                     | RRFAL1 | RRFAL2              | RRFAL3 | RRFAL4              | RRFAL5 | RRFAL6              | RRF   | % RSD |
| Fluorene                     | 1.751  | 1.562               | 1.592  | 1.498               | 1.427  |                     | 1.566 | 7.8   |
| 4-Chlorophenyl-phenylether   | 0.829  | 0.823               | 0.808  | 0.748               | 0.724  |                     | 0.787 | 6.0   |
| 4-Nitroaniline               |        | 0.267               | 0.358  | 0.312               | 0.282  | 0.263               | 0.296 | 13.4  |
| 4,6-Dinitro-2-methylphenol   |        | 0.087               | 0.113  | 0.121               | 0.122  | 0.123               | 0.113 | 13.4  |
| N-Nitrosodiphenylamine       | 0.554  | 0.553               | 0.564  | 0.546               | 0.514  |                     | 0.546 | 3.5   |
| 1,2,4,5-Tetrachlorobenzene   | 0.596  | 0.582               | 0.613  | 0.609               | 0.603  |                     | 0.601 | 2.1   |
| 4-Bromophenyl-phenylether    | 0.228  | 0.219               | 0.231  | 0.235               | 0.222  |                     | 0.227 | 2.9   |
| Hexachlorobenzene            | 0.270  | 0.260               | 0.272  | 0.253               | 0.250  |                     | 0.261 | 3.8   |
| Atrazine                     |        | 0.218               | 0.238  | 0.217               | 0.205  | 0.200               | 0.216 | 6.8   |
| Pentachlorophenol            |        | 0.123               | 0.145  | 0.147               | 0.150  | 0.151               | 0.143 | 8.0   |
| 2-Methylphenol               |        | 1.536               | 1.631  | 1.651               | 1.589  | 1.589               | 1.599 | 2.8   |
| Phenanthrene                 | 1.087  | 1.055               | 1.103  | 1.052               | 0.976  |                     | 1.055 | 4.6   |
| Pentachlorobenzene           | 0.275  | 0.274               | 0.288  | 0.289               | 0.290  |                     | 0.283 | 2.8   |
| Anthracene                   | 1.138  | 1.090               | 1.145  | 1.074               | 1.002  |                     | 1.090 | 5.3   |
| 1,2,3,4-Tetrachlorobenzene   | 0.235  | 0.242               | 0.250  | 0.257               | 0.259  |                     | 0.248 | 4.2   |
| Carbazole                    |        | 0.931               | 1.033  | 0.940               | 0.868  | 0.814               | 0.917 | 9.0   |
| Di-n-butylphthalate          | 1.238  | 1.155               | 1.261  | 1.172               | 1.061  |                     | 1.178 | 6.7   |
| Fluoranthene                 | 1.465  | 1.388               | 1.437  | 1.392               | 1.280  |                     | 1.392 | 5.1   |
| Pyrene                       | 1.497  | 1.451               | 1.506  | 1.432               | 1.304  |                     | 1.438 | 5.6   |
| Butylbenzylphthalate         | 0.637  | 0.594               | 0.626  | 0.600               | 0.561  |                     | 0.604 | 4.9   |
| 3,3-Dichlorobenzidine        |        | 0.490               | 0.530  | 0.508               | 0.448  | 0.403               | 0.476 | 10.6  |
| 2,2-oxybis (1-Chloropropane) |        | 3.852               | 3.804  | 3.842               | 3.663  | 3.644               | 3.761 | 2.7   |
| Benzo (a) anthracene         | 1.494  | 1.442               | 1.493  | 1.453               | 1.359  |                     | 1.448 | 3.8   |
| Chrysene                     | 1.435  | 1.346               | 1.409  | 1.343               | 1.244  |                     | 1.356 | 5.5   |
| Bis (2-ethylhexyl) phthalate | 0.924  | 0.866               | 0.894  | 0.858               | 0.788  |                     | 0.866 | 5.9   |
| Di-n-octyl phthalate         |        | 1.315               | 1.302  | 1.265               | 1.155  | 1.073               | 1.222 | 8.5   |
| Benzo (b) fluoranthene       | 1.338  | 1.253               | 1.298  | 1.256               | 1.156  |                     | 1.260 | 5.4   |
| Benzo (k) fluoranthene       | 1.330  | 1.255               | 1.275  | 1.265               | 1.158  |                     | 1.257 | 4.9   |
| Benzo (a) pyrene             | 1.253  | 1.176               | 1.231  | 1.201               | 1.106  |                     | 1.193 | 4.8   |
| Indeno (1,2,3-cd) pyrene     | 1.589  | 1.518               | 1.547  | 1.534               | 1.436  |                     | 1.525 | 3.7   |
| Dibenzo (a,h) anthracene     | 1.309  | 1.246               | 1.284  | 1.275               | 1.182  |                     | 1.259 | 3.9   |
| Benzo (g,h,i) perylene       | 1.264  | 1.200               | 1.238  | 1.212               | 1.151  |                     | 1.213 | 3.5   |
| Acetophenone                 |        | 3.076               | 2.836  | 2.936               | 2.737  | 2.648               | 2.847 | 5.9   |
| 2,3,4,6-Tetrachlorophenol    | 0.375  | 0.395               | 0.425  | 0.385               | 0.399  |                     | 0.396 | 4.7   |
| 1,4-Dioxane-d8               | 0.490  | 0.539               | 0.561  | 0.566               | 0.505  |                     | 0.532 | 6.3   |
| Pyridine-d5                  |        | 1.719               | 1.656  | 1.633               | 1.583  | 1.591               | 1.636 | 3.4   |

All other compounds must meet a minimum RRF of 0.010.



6C

## SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: \_\_\_\_\_  
Lab Code: CHEM Case No.: BG070224 SAS No.: BG070224 SDG No.: BG070224  
Instrument ID: \_\_\_\_\_ Calibration Date(s): 7/2/2024 1: \_\_\_\_\_  
Calibration Time(s): 18:39 \_\_\_\_\_

|                             |        |                     |        |        |                     |        |                     |       |
|-----------------------------|--------|---------------------|--------|--------|---------------------|--------|---------------------|-------|
| LAB FILE ID:                |        | RRFAL1 = BG061850.D |        |        | RRFAL2 = BG061851.D |        | RRFAL3 = BG061852.D |       |
|                             |        | RRFAL4 = BG061853.D |        |        | RRFAL5 = BG061854.D |        | RRFAL6 = BG061855.D |       |
| COMPOUND                    | RRFAL1 | RRFAL2              | RRFAL3 | RRFAL4 | RRFAL5              | RRFAL6 | RRF                 | % RSD |
| Phenol-d5                   |        | 2.148               | 2.226  | 2.182  | 2.176               | 2.212  | 2.189               | 1.4   |
| Bis-(2-Chloroethyl)ether-d8 |        | 1.446               | 1.394  | 1.396  | 1.367               | 1.327  | 1.386               | 3.1   |
| 2-Chlorophenol-d4           | 1.468  | 1.495               | 1.479  | 1.548  | 1.517               |        | 1.501               | 2.1   |
| 4-Methylphenol-d8           |        | 1.727               | 1.692  | 1.758  | 1.714               | 1.726  | 1.723               | 1.4   |
| Nitrobenzene-d5             | 0.147  | 0.146               | 0.157  | 0.154  | 0.156               |        | 0.152               | 3.5   |
| 2-Nitrophenol-d4            | 0.154  | 0.166               | 0.185  | 0.179  | 0.184               |        | 0.174               | 7.7   |
| 2,4-Dichlorophenol-d3       | 0.325  | 0.318               | 0.356  | 0.343  | 0.334               |        | 0.335               | 4.5   |
| 4-Chloroaniline-d4          |        | 0.512               | 0.523  | 0.483  | 0.464               | 0.450  | 0.486               | 6.3   |
| 4-Methylphenol              |        | 1.800               | 1.799  | 1.847  | 1.765               | 1.745  | 1.791               | 2.2   |
| Dimethylphthalate-d6        | 1.689  | 1.710               | 1.711  | 1.587  | 1.525               |        | 1.644               | 5.1   |
| Acenaphthylene-d8           | 1.692  | 1.727               | 1.769  | 1.740  | 1.669               |        | 1.719               | 2.3   |
| 4-Nitrophenol-d4            |        | 0.228               | 0.287  | 0.274  | 0.270               | 0.254  | 0.263               | 8.6   |
| Fluorene-d10                | 1.421  | 1.410               | 1.433  | 1.357  | 1.299               |        | 1.384               | 4.0   |
| 4,6-Dinitro-2-methylphenol- |        | 0.087               | 0.099  | 0.109  | 0.113               | 0.116  | 0.105               | 11.3  |
| Anthracene-d10              | 0.962  | 0.925               | 0.980  | 0.933  | 0.869               |        | 0.934               | 4.5   |
| Pyrene-d10                  | 1.200  | 1.172               | 1.254  | 1.173  | 1.083               |        | 1.176               | 5.3   |
| Benzo(a)pyrene-d12          | 1.005  | 0.981               | 1.025  | 1.013  | 0.935               |        | 0.992               | 3.6   |
| N-Nitroso-di-n-propylamine  | 1.587  | 1.662               | 1.582  | 1.632  | 1.506               |        | 1.594               | 3.7   |

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BG071024 SAS No.: BG071024 SDG NO.: BG071024

EPA Sample No.: SSTD020448 Date Analyzed: Jul 10 2024 12:00AM

Lab File ID: BG061852.D Time Analyzed: 10:25

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

|    |                | IS1 (DCB)<br>AREA # | RT # | IS2 (NPT)<br>AREA # | RT #   | IS3 (ANT)<br>AREA # | RT #   |
|----|----------------|---------------------|------|---------------------|--------|---------------------|--------|
|    | 12 HOUR STD    | 46570               | 8.1  | 230685              | 10.91  | 172810              | 14.72  |
|    | UPPER LIMIT    | 93140               | 8.6  | 461370              | 11.414 | 345620              | 15.222 |
|    | LOWER LIMIT    | 23285               | 7.6  | 115342.5            | 10.414 | 86405               | 14.222 |
|    | EPA SAMPLE NO. |                     |      |                     |        |                     |        |
| 01 | SBLK916        | 54777               | 8.09 | 282724              | 10.91  | 210727              | 14.72  |
| 02 | A4CE1          | 45529               | 8.09 | 241111              | 10.91  | 168239              | 14.71  |
| 03 | A4CE1MS        | 47631               | 8.10 | 250777              | 10.91  | 174669              | 14.72  |
| 04 | A4CE1MSD       | 49752               | 8.10 | 250612              | 10.91  | 174608              | 14.72  |
| 05 | H0HC4          | 46997               | 8.10 | 240870              | 10.91  | 175784              | 14.72  |
| 06 | H0HC4MS        | 51010               | 8.10 | 249057              | 10.91  | 175254              | 14.72  |
| 07 | H0HC4MSD       | 57545               | 8.10 | 281732              | 10.91  | 203420              | 14.72  |
| 08 | SP6561         | 33812               | 8.10 | 179932              | 10.91  | 128696              | 14.72  |
| 09 | A4CX4          | 58023               | 8.10 | 294389              | 10.91  | 211645              | 14.72  |
| 10 | A4CX7          | 49896               | 8.10 | 255302              | 10.91  | 176555              | 14.72  |
| 11 | C0SW0          | 51530               | 8.14 | 243893              | 10.93  | 165512              | 14.72  |
| 12 | SLCS916        | 49642               | 8.09 | 244974              | 10.91  | 170028              | 14.72  |

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

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

\* Values outside of QC limits.

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BG071024 SAS No.: BG071024 SDG NO.: BG071024

EPA Sample No.: SSTD020564 Date Analyzed: Jul 10 2024 12:00AM

Lab File ID: BG061991.D Time Analyzed: 10:25

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

|    |                | IS1 (DCB)<br>AREA # | RT #  | IS2 (NPT)<br>AREA # | RT #   | IS3 (ANT)<br>AREA # | RT #   |
|----|----------------|---------------------|-------|---------------------|--------|---------------------|--------|
|    | 12 HOUR STD    | 31255               | 8.094 | 168152              | 10.91  | 135694              | 14.72  |
|    | UPPER LIMIT    | 62510               | 8.594 | 336304              | 11.408 | 271388              | 15.215 |
|    | LOWER LIMIT    | 15627.5             | 7.594 | 84076               | 10.408 | 67847               | 14.215 |
|    | EPA SAMPLE NO. |                     |       |                     |        |                     |        |
| 01 | SBLK916        | 54777               | 8.09  | 282724              | 10.91  | 210727              | 14.72  |
| 02 | A4CE1          | 45529               | 8.09  | 241111              | 10.91  | 168239              | 14.71  |
| 03 | A4CE1MS        | 47631               | 8.10  | 250777              | 10.91  | 174669              | 14.72  |
| 04 | A4CE1MSD       | 49752               | 8.10  | 250612              | 10.91  | 174608              | 14.72  |
| 05 | H0HC4          | 46997               | 8.10  | 240870              | 10.91  | 175784              | 14.72  |
| 06 | H0HC4MS        | 51010               | 8.10  | 249057              | 10.91  | 175254              | 14.72  |
| 07 | H0HC4MSD       | 57545               | 8.10  | 281732              | 10.91  | 203420              | 14.72  |
| 08 | SP6561         | 33812               | 8.10  | 179932              | 10.91  | 128696              | 14.72  |
| 09 | A4CX4          | 58023               | 8.10  | 294389              | 10.91  | 211645              | 14.72  |
| 10 | A4CX7          | 49896               | 8.10  | 255302              | 10.91  | 176555              | 14.72  |
| 11 | C0SW0          | 51530               | 8.14  | 243893              | 10.93  | 165512              | 14.72  |
| 12 | SLCS916        | 49642               | 8.09  | 244974              | 10.91  | 170028              | 14.72  |

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

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

\* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BG071024 SAS No.: BG071024 SDG NO.: BG071024

EPA Sample No.: SSTD020448 Date Analyzed: Jul 10 2024 12:00AM

Lab File ID: BG061852.D Time Analyzed: 10:25

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

|    |                | IS4 (PHN)<br>AREA # | RT #  | IS5 (CRY)<br>AREA # | RT #   | IS6 (PRY)<br>AREA # | RT #   |
|----|----------------|---------------------|-------|---------------------|--------|---------------------|--------|
|    |                |                     |       |                     |        |                     |        |
|    | 12 HOUR STD    | 424925              | 17.46 | 382594              | 21.725 | 449285              | 24.963 |
|    | UPPER LIMIT    | 849850              | 17.96 | 765188              | 22.225 | 898570              | 25.463 |
|    | LOWER LIMIT    | 212462.5            | 16.96 | 191297              | 21.225 | 224642.5            | 24.463 |
|    | EPA SAMPLE NO. |                     |       |                     |        |                     |        |
| 01 | SBLK916        | 484865              | 17.45 | 435066              | 21.71  | 541237              | 24.96  |
| 02 | A4CE1          | 382518              | 17.46 | 334750              | 21.72  | 411349              | 24.95  |
| 03 | A4CE1MS        | 380105              | 17.46 | 320794              | 21.72  | 390266              | 24.96  |
| 04 | A4CE1MSD       | 378891              | 17.46 | 322337              | 21.72  | 398703              | 24.96  |
| 05 | H0HC4          | 396276              | 17.46 | 352888              | 21.72  | 425793              | 24.96  |
| 06 | H0HC4MS        | 373075              | 17.46 | 337701              | 21.72  | 410816              | 24.97  |
| 07 | H0HC4MSD       | 454982              | 17.46 | 409355              | 21.73  | 496745              | 24.97  |
| 08 | SP6561         | 299853              | 17.46 | 266715              | 21.72  | 325169              | 24.96  |
| 09 | A4CX4          | 473685              | 17.46 | 417125              | 21.72  | 507696              | 24.96  |
| 10 | A4CX7          | 395614              | 17.46 | 352520              | 21.72  | 419122              | 24.97  |
| 11 | C0SW0          | 361084              | 17.46 | 321784              | 21.72  | 392906              | 24.96  |
| 12 | SLCS916        | 386677              | 17.46 | 347318              | 21.72  | 413367              | 24.97  |

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

\* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BG071024 SAS No.: BG071024 SDG NO.: BG071024

EPA Sample No.: SSTD020564 Date Analyzed: Jul 10 2024 12:00AM

Lab File ID: BG061991.D Time Analyzed: 10:25

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

|    |                | IS4 (PHN)<br>AREA # | RT #   | IS5 (CRY)<br>AREA # | RT #   | IS6 (PRY)<br>AREA # | RT #  |
|----|----------------|---------------------|--------|---------------------|--------|---------------------|-------|
|    |                |                     |        |                     |        |                     |       |
|    | 12 HOUR STD    | 318249              | 17.459 | 284028              | 21.719 | 346262              | 24.95 |
|    | UPPER LIMIT    | 636498              | 17.959 | 568056              | 22.219 | 692524              | 25.45 |
|    | LOWER LIMIT    | 159124.5            | 16.959 | 142014              | 21.219 | 173131              | 24.45 |
|    | EPA SAMPLE NO. |                     |        |                     |        |                     |       |
| 01 | SBLK916        | 484865              | 17.45  | 435066              | 21.71  | 541237              | 24.96 |
| 02 | A4CE1          | 382518              | 17.46  | 334750              | 21.72  | 411349              | 24.95 |
| 03 | A4CE1MS        | 380105              | 17.46  | 320794              | 21.72  | 390266              | 24.96 |
| 04 | A4CE1MSD       | 378891              | 17.46  | 322337              | 21.72  | 398703              | 24.96 |
| 05 | H0HC4          | 396276              | 17.46  | 352888              | 21.72  | 425793              | 24.96 |
| 06 | H0HC4MS        | 373075              | 17.46  | 337701              | 21.72  | 410816              | 24.97 |
| 07 | H0HC4MSD       | 454982              | 17.46  | 409355              | 21.73  | 496745              | 24.97 |
| 08 | SP6561         | 299853              | 17.46  | 266715              | 21.72  | 325169              | 24.96 |
| 09 | A4CX4          | 473685              | 17.46  | 417125              | 21.72  | 507696              | 24.96 |
| 10 | A4CX7          | 395614              | 17.46  | 352520              | 21.72  | 419122              | 24.97 |
| 11 | C0SW0          | 361084              | 17.46  | 321784              | 21.72  | 392906              | 24.96 |
| 12 | SLCS916        | 386677              | 17.46  | 347318              | 21.72  | 413367              | 24.97 |

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.: BG071024

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

Analytical Method: SFAM\_SVOC

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

| Lab Sample ID | Parameter                   | Spike | Result | Unit  | Rec | RPD | Qual | RPD  |     | Limits |  | RPD |
|---------------|-----------------------------|-------|--------|-------|-----|-----|------|------|-----|--------|--|-----|
|               |                             |       |        |       |     |     |      | Qual | Low | High   |  |     |
| PB161916BS    | 1,4-Dioxane                 | 530   | 310    | ug/Kg | 58  |     |      |      | 0   | 0      |  |     |
|               | Benzaldehyde                | 1300  | 1000   | ug/Kg | 77  |     |      |      | 0   | 0      |  |     |
|               | Pyridine                    | 1300  | 810    | ug/Kg | 62  |     |      |      | 0   | 0      |  |     |
|               | Phenol                      | 1300  | 1000   | ug/Kg | 77  |     |      |      | 0   | 0      |  |     |
|               | Bis(2-chloroethyl)ether     | 1300  | 900    | ug/Kg | 69  |     |      |      | 0   | 0      |  |     |
|               | 2-Chlorophenol              | 1300  | 1100   | ug/Kg | 85  |     |      |      | 0   | 0      |  |     |
|               | 2-Methylphenol              | 1300  | 990    | ug/Kg | 76  |     |      |      | 0   | 0      |  |     |
|               | 2,2-oxybis(1-Chloropropane) | 1300  | 880    | ug/Kg | 68  |     |      |      | 0   | 0      |  |     |
|               | Acetophenone                | 1300  | 950    | ug/Kg | 73  |     |      |      | 0   | 0      |  |     |
|               | 4-Methylphenol              | 1300  | 1000   | ug/Kg | 77  |     |      |      | 0   | 0      |  |     |
|               | N-Nitroso-di-n-propylamine  | 1300  | 920    | ug/Kg | 71  |     |      |      | 0   | 0      |  |     |
|               | Hexachloroethane            | 1300  | 1000   | ug/Kg | 77  |     |      |      | 0   | 0      |  |     |
|               | Nitrobenzene                | 1300  | 1100   | ug/Kg | 85  |     |      |      | 0   | 0      |  |     |
|               | Isophorone                  | 1300  | 890    | ug/Kg | 68  |     |      |      | 0   | 0      |  |     |
|               | 2-Nitrophenol               | 1300  | 1100   | ug/Kg | 85  |     |      |      | 0   | 0      |  |     |
|               | 2,4-Dimethylphenol          | 1300  | 820    | ug/Kg | 63  |     |      |      | 0   | 0      |  |     |
|               | Bis(2-chloroethoxy)methane  | 1300  | 900    | ug/Kg | 69  |     |      |      | 0   | 0      |  |     |
|               | 2,4-Dichlorophenol          | 1300  | 1100   | ug/Kg | 85  |     |      |      | 0   | 0      |  |     |
|               | Naphthalene                 | 1300  | 1100   | ug/Kg | 85  |     |      |      | 0   | 0      |  |     |
|               | 4-Chloroaniline             | 1300  | 840    | ug/Kg | 65  |     |      |      | 0   | 0      |  |     |
|               | Hexachlorobutadiene         | 1300  | 1200   | ug/Kg | 92  |     |      |      | 0   | 0      |  |     |
|               | Caprolactam                 | 1300  | 930    | ug/Kg | 72  |     |      |      | 0   | 0      |  |     |
|               | 4-Chloro-3-methylphenol     | 1300  | 1100   | ug/Kg | 85  |     |      |      | 0   | 0      |  |     |
|               | 1-Methylnaphthalene         | 1300  | 1000   | ug/Kg | 77  |     |      |      | 0   | 0      |  |     |
|               | 2-Methylnaphthalene         | 1300  | 1000   | ug/Kg | 77  |     |      |      | 0   | 0      |  |     |
|               | Hexachlorocyclopentadiene   | 1300  | 540    | ug/Kg | 42  |     |      |      | 0   | 0      |  |     |
|               | 2,4,6-Trichlorophenol       | 1300  | 1000   | ug/Kg | 77  |     |      |      | 0   | 0      |  |     |
|               | 2,4,5-Trichlorophenol       | 1300  | 1000   | ug/Kg | 77  |     |      |      | 0   | 0      |  |     |
|               | 1,1'-Biphenyl               | 1300  | 1100   | ug/Kg | 85  |     |      |      | 0   | 0      |  |     |
|               | 2-Chloronaphthalene         | 1300  | 1100   | ug/Kg | 85  |     |      |      | 0   | 0      |  |     |
|               | 2-Nitroaniline              | 1300  | 1200   | ug/Kg | 92  |     |      |      | 0   | 0      |  |     |
|               | Dimethylphthalate           | 1300  | 1000   | ug/Kg | 77  |     |      |      | 0   | 0      |  |     |
|               | 2,6-Dinitrotoluene          | 1300  | 1200   | ug/Kg | 92  |     |      |      | 0   | 0      |  |     |
|               | Acenaphthylene              | 1300  | 1000   | ug/Kg | 77  |     |      |      | 0   | 0      |  |     |
|               | 3-Nitroaniline              | 1300  | 1100   | ug/Kg | 85  |     |      |      | 0   | 0      |  |     |
|               | Acenaphthene                | 1300  | 1100   | ug/Kg | 85  |     |      |      | 0   | 0      |  |     |
|               | 2,4-Dinitrophenol           | 1300  | 950    | ug/Kg | 73  |     |      |      | 0   | 0      |  |     |
|               | 4-Nitrophenol               | 1300  | 1200   | ug/Kg | 92  |     |      |      | 0   | 0      |  |     |
|               | Dibenzofuran                | 1300  | 1100   | ug/Kg | 85  |     |      |      | 0   | 0      |  |     |
|               | 2,4-Dinitrotoluene          | 1300  | 1200   | ug/Kg | 92  |     |      |      | 0   | 0      |  |     |
|               | Diethylphthalate            | 1300  | 1000   | ug/Kg | 77  |     |      |      | 0   | 0      |  |     |
|               | Fluorene                    | 1300  | 1000   | ug/Kg | 77  |     |      |      | 0   | 0      |  |     |
|               | 4-Chlorophenyl-phenylether  | 1300  | 1100   | ug/Kg | 85  |     |      |      | 0   | 0      |  |     |
|               | 4-Nitroaniline              | 1300  | 1200   | ug/Kg | 92  |     |      |      | 0   | 0      |  |     |

## Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: BG071024

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

Analytical Method: SFAM\_SVOC

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

| Lab Sample ID | Parameter                  | Spike | Result | Unit  | Rec | RPD | Qual | RPD  |     | Limits |  | RPD |
|---------------|----------------------------|-------|--------|-------|-----|-----|------|------|-----|--------|--|-----|
|               |                            |       |        |       |     |     |      | Qual | Low | High   |  |     |
| PB161916BS    | 4,6-Dinitro-2-methylphenol | 1300  | 1100   | ug/Kg | 85  |     |      |      | 0   | 0      |  |     |
|               | N-Nitrosodiphenylamine     | 1300  | 1100   | ug/Kg | 85  |     |      |      | 0   | 0      |  |     |
|               | 1,2,4,5-Tetrachlorobenzene | 1300  | 1200   | ug/Kg | 92  |     |      |      | 0   | 0      |  |     |
|               | 4-Bromophenyl-phenylether  | 1300  | 1100   | ug/Kg | 85  |     |      |      | 0   | 0      |  |     |
|               | Hexachlorobenzene          | 1300  | 1200   | ug/Kg | 92  |     |      |      | 0   | 0      |  |     |
|               | Atrazine                   | 1300  | 170    | ug/Kg | 13  |     |      |      | 0   | 0      |  |     |
|               | Pentachlorophenol          | 1300  | 760    | ug/Kg | 58  |     |      |      | 0   | 0      |  |     |
|               | Phenanthrene               | 1300  | 1100   | ug/Kg | 85  |     |      |      | 0   | 0      |  |     |
|               | Pentachlorobenzene         | 1300  | 1200   | ug/Kg | 92  |     |      |      | 0   | 0      |  |     |
|               | Anthracene                 | 1300  | 1000   | ug/Kg | 77  |     |      |      | 0   | 0      |  |     |
|               | 1,2,3,4-Tetrachlorobenzene | 1300  | 1300   | ug/Kg | 100 |     |      |      | 0   | 0      |  |     |
|               | Carbazole                  | 1300  | 1100   | ug/Kg | 85  |     |      |      | 0   | 0      |  |     |
|               | Di-n-butylphthalate        | 1300  | 1000   | ug/Kg | 77  |     |      |      | 0   | 0      |  |     |
|               | Fluoranthene               | 1300  | 1000   | ug/Kg | 77  |     |      |      | 0   | 0      |  |     |
|               | Pyrene                     | 1300  | 1000   | ug/Kg | 77  |     |      |      | 0   | 0      |  |     |
|               | Butylbenzylphthalate       | 1300  | 1000   | ug/Kg | 77  |     |      |      | 0   | 0      |  |     |
|               | 3,3'-Dichlorobenzidine     | 1300  | 1200   | ug/Kg | 92  |     |      |      | 0   | 0      |  |     |
|               | Benzo(a)anthracene         | 1300  | 1100   | ug/Kg | 85  |     |      |      | 0   | 0      |  |     |
|               | Chrysene                   | 1300  | 1100   | ug/Kg | 85  |     |      |      | 0   | 0      |  |     |
|               | Bis(2-ethylhexyl)phthalate | 1300  | 1000   | ug/Kg | 77  |     |      |      | 0   | 0      |  |     |
|               | Di-n-octylphthalate        | 1300  | 1100   | ug/Kg | 85  |     |      |      | 0   | 0      |  |     |
|               | Benzo(b)fluoranthene       | 1300  | 1100   | ug/Kg | 85  |     |      |      | 0   | 0      |  |     |
|               | Benzo(k)fluoranthene       | 1300  | 1100   | ug/Kg | 85  |     |      |      | 0   | 0      |  |     |
|               | Benzo(a)pyrene             | 1300  | 1000   | ug/Kg | 77  |     |      |      | 0   | 0      |  |     |
|               | Indeno(1,2,3-cd)pyrene     | 1300  | 1100   | ug/Kg | 85  |     |      |      | 0   | 0      |  |     |
|               | Dibenzo(a,h)anthracene     | 1300  | 1100   | ug/Kg | 85  |     |      |      | 0   | 0      |  |     |
|               | Benzo(g,h,i)perylene       | 1300  | 1000   | ug/Kg | 77  |     |      |      | 0   | 0      |  |     |
|               | 2,3,4,6-Tetrachlorophenol  | 1300  | 920    | ug/Kg | 71  |     |      |      | 0   | 0      |  |     |

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SP6561

Lab Name: CHEMTECH

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

Lab Code: CHEM Case No.: BG071024

SAS No.: BG071024 SDG NO.: BG071024

Lab File ID: BG061999.D

Lab Sample ID: SP6561

Instrument ID: BNA\_G

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

Matrix: (soil/water) Water

Date Analyzed: 07/10/2024

Level: (low/med) LOW

Time Analyzed: 15:15

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 |
|-------------------|------------------|----------------|------------------|
| SP6561            | SP6561           | BG061999.D     | 07/10/2024       |

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

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

A4CX4

Lab Name: CHEMTECH

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

Lab Code: CHEM Case No.: BG071024

SAS No.: BG071024 SDG NO.: BG071024

Lab File ID: BG062000.D

Lab Sample ID: P3035-08

Instrument ID: BNA\_G

Date Extracted: 06/26/2024

Matrix: (soil/water) Solid

Date Analyzed: 07/10/2024

Level: (low/med) LOW

Time Analyzed: 15:56

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 |
|-------------------|------------------|----------------|------------------|
| A4CX4             | P3035-08         | BG062000.D     | 07/10/2024       |
| A4CX7             | P3035-09         | BG062001.D     | 07/10/2024       |

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

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

C0SW0

Lab Name: CHEMTECH

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

Lab Code: CHEM Case No.: BG071024

SAS No.: BG071024 SDG NO.: BG071024

Lab File ID: BG062002.D

Lab Sample ID: P3108-04

Instrument ID: BNA\_G

Date Extracted: 06/27/2024

Matrix: (soil/water) Water

Date Analyzed: 07/10/2024

Level: (low/med) LOW

Time Analyzed: 17:18

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

| EPA<br>SAMPLE NO. | LAB<br>SAMPLE ID | LAB<br>FILE ID | DATE<br>ANALYZED |
|-------------------|------------------|----------------|------------------|
| C0SW0             | P3108-04         | BG062002.D     | 07/10/2024       |

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

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

H0HC4

Lab Name: CHEMTECH

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

Lab Code: CHEM Case No.: BG071024

SAS No.: BG071024 SDG NO.: BG071024

Lab File ID: BG061996.D

Lab Sample ID: P3109-06

Instrument ID: BNA\_G

Date Extracted: 06/27/2024

Matrix: (soil/water) Water

Date Analyzed: 07/10/2024

Level: (low/med) LOW

Time Analyzed: 13:12

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 |
|-------------------|------------------|----------------|------------------|
| H0HC4             | P3109-06         | BG061996.D     | 07/10/2024       |
| H0HC4MS           | P3109-07MS       | BG061997.D     | 07/10/2024       |
| H0HC4MSD          | P3109-08MSD      | BG061998.D     | 07/10/2024       |

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

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SBLK916

Lab Name: CHEMTECH

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

Lab Code: CHEM Case No.: BG071024

SAS No.: BG071024 SDG NO.: BG071024

Lab File ID: BG061992.D

Lab Sample ID: PB161916BL

Instrument ID: BNA\_G

Date Extracted: 07/03/2024

Matrix: (soil/water) Solid

Date Analyzed: 07/10/2024

Level: (low/med) LOW

Time Analyzed: 10:25

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 |
|-------------------|------------------|----------------|------------------|
| A4CE1             | P3102-02         | BG061993.D     | 07/10/2024       |
| A4CE1MS           | P3102-03MS       | BG061994.D     | 07/10/2024       |
| A4CE1MSD          | P3102-04MSD      | BG061995.D     | 07/10/2024       |
| PB161916BS        | PB161916BS       | BG062003.D     | 07/10/2024       |

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

**Matrix Spike/Matrix Spike Duplicate Summary**

**SW-846**

**SDG No.:** BG071024

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

**Analytical Method:** SFAM\_SVOC

| Parameter                   | Spike             | Sample Result            | Result         | Units | Rec | Rec Qual | RPD | RPD Qual         | Low               | Limits High | RPD |
|-----------------------------|-------------------|--------------------------|----------------|-------|-----|----------|-----|------------------|-------------------|-------------|-----|
| <b>Lab Sample ID:</b>       | <b>P3102-03MS</b> | <b>Client Sample ID:</b> | <b>A4CE1MS</b> |       |     |          |     | <b>DataFile:</b> | <b>BG061994.D</b> |             |     |
| 1,4-Dioxane                 | 580               |                          | 390            | ug/Kg | 67  |          |     |                  | 15                | 120         |     |
| Benzaldehyde                | 1500              |                          | 830            | ug/Kg | 55  |          |     |                  | 0                 | 0           |     |
| Pyridine                    | 1500              |                          | 520            | ug/Kg | 35  |          |     |                  | 0                 | 0           |     |
| Phenol                      | 1500              |                          | 1300           | ug/Kg | 87  |          |     |                  | 26                | 90          |     |
| Bis(2-chloroethyl)ether     | 1500              |                          | 1100           | ug/Kg | 73  |          |     |                  | 0                 | 0           |     |
| 2-Chlorophenol              | 1500              |                          | 1400           | ug/Kg | 93  |          |     |                  | 25                | 102         |     |
| 2-Methylphenol              | 1500              |                          | 1300           | ug/Kg | 87  |          |     |                  | 0                 | 0           |     |
| 2,2-oxybis(1-Chloropropane) | 1500              |                          | 1100           | ug/Kg | 73  |          |     |                  | 0                 | 0           |     |
| Acetophenone                | 1500              |                          | 1300           | ug/Kg | 87  |          |     |                  | 0                 | 0           |     |
| 4-Methylphenol              | 1500              |                          | 1300           | ug/Kg | 87  |          |     |                  | 0                 | 0           |     |
| N-Nitroso-di-n-propylamine  | 1500              |                          | 1100           | ug/Kg | 73  |          |     |                  | 41                | 126         |     |
| Hexachloroethane            | 1500              |                          | 1000           | ug/Kg | 67  |          |     |                  | 0                 | 0           |     |
| Nitrobenzene                | 1500              |                          | 1300           | ug/Kg | 87  |          |     |                  | 0                 | 0           |     |
| Isophorone                  | 1500              |                          | 1100           | ug/Kg | 73  |          |     |                  | 0                 | 0           |     |
| 2-Nitrophenol               | 1500              |                          | 1300           | ug/Kg | 87  |          |     |                  | 0                 | 0           |     |
| 2,4-Dimethylphenol          | 1500              |                          | 920            | ug/Kg | 61  |          |     |                  | 0                 | 0           |     |
| Bis(2-chloroethoxy)methane  | 1500              |                          | 1100           | ug/Kg | 73  |          |     |                  | 0                 | 0           |     |
| 2,4-Dichlorophenol          | 1500              |                          | 1400           | ug/Kg | 93  |          |     |                  | 0                 | 0           |     |
| Naphthalene                 | 1500              |                          | 1300           | ug/Kg | 87  |          |     |                  | 0                 | 0           |     |
| 4-Chloroaniline             | 1500              |                          | 600            | ug/Kg | 40  |          |     |                  | 0                 | 0           |     |
| Hexachlorobutadiene         | 1500              |                          | 1400           | ug/Kg | 93  |          |     |                  | 0                 | 0           |     |
| Caprolactam                 | 1500              |                          | 1000           | ug/Kg | 67  |          |     |                  | 0                 | 0           |     |
| 4-Chloro-3-methylphenol     | 1500              |                          | 1400           | ug/Kg | 93  |          |     |                  | 26                | 103         |     |
| 1-Methylnaphthalene         | 1500              |                          | 1300           | ug/Kg | 87  |          |     |                  | 0                 | 0           |     |
| 2-Methylnaphthalene         | 1500              |                          | 1300           | ug/Kg | 87  |          |     |                  | 0                 | 0           |     |
| Hexachlorocyclopentadiene   | 1500              |                          | 690            | ug/Kg | 46  |          |     |                  | 0                 | 0           |     |
| 2,4,6-Trichlorophenol       | 1500              |                          | 1400           | ug/Kg | 93  |          |     |                  | 0                 | 0           |     |
| 2,4,5-Trichlorophenol       | 1500              |                          | 1400           | ug/Kg | 93  |          |     |                  | 0                 | 0           |     |
| 1,1'-Biphenyl               | 1500              |                          | 1300           | ug/Kg | 87  |          |     |                  | 0                 | 0           |     |
| 2-Chloronaphthalene         | 1500              |                          | 1400           | ug/Kg | 93  |          |     |                  | 0                 | 0           |     |
| 2-Nitroaniline              | 1500              |                          | 1500           | ug/Kg | 100 |          |     |                  | 0                 | 0           |     |
| Dimethylphthalate           | 1500              |                          | 1300           | ug/Kg | 87  |          |     |                  | 0                 | 0           |     |
| 2,6-Dinitrotoluene          | 1500              |                          | 1500           | ug/Kg | 100 |          |     |                  | 0                 | 0           |     |
| Acenaphthylene              | 1500              |                          | 1300           | ug/Kg | 87  |          |     |                  | 0                 | 0           |     |
| 3-Nitroaniline              | 1500              |                          | 1100           | ug/Kg | 73  |          |     |                  | 0                 | 0           |     |
| Acenaphthene                | 1500              |                          | 1400           | ug/Kg | 93  |          |     |                  | 31                | 137         |     |
| 2,4-Dinitrophenol           | 1500              |                          | 1500           | ug/Kg | 100 |          |     |                  | 0                 | 0           |     |
| 4-Nitrophenol               | 1500              |                          | 1500           | ug/Kg | 100 |          |     |                  | 11                | 114         |     |
| Dibenzofuran                | 1500              |                          | 1300           | ug/Kg | 87  |          |     |                  | 0                 | 0           |     |
| 2,4-Dinitrotoluene          | 1500              |                          | 1500           | ug/Kg | 100 | *        |     |                  | 28                | 89          |     |
| Diethylphthalate            | 1500              |                          | 1300           | ug/Kg | 87  |          |     |                  | 0                 | 0           |     |
| Fluorene                    | 1500              |                          | 1300           | ug/Kg | 87  |          |     |                  | 0                 | 0           |     |
| 4-Chlorophenyl-phenylether  | 1500              |                          | 1300           | ug/Kg | 87  |          |     |                  | 0                 | 0           |     |
| 4-Nitroaniline              | 1500              |                          | 1300           | ug/Kg | 87  |          |     |                  | 0                 | 0           |     |
| 4,6-Dinitro-2-methylphenol  | 1500              |                          | 1600           | ug/Kg | 107 |          |     |                  | 0                 | 0           |     |
| N-Nitrosodiphenylamine      | 1500              |                          | 1400           | ug/Kg | 93  |          |     |                  | 0                 | 0           |     |



**Matrix Spike/Matrix Spike Duplicate Summary**

**SW-846**

**SDG No.:** BG071024

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

**Analytical Method:** SFAM\_SVOC

| Parameter                  | Spike | Sample<br>Result | Result | Units | Rec | Rec<br>Qual | RPD | RPD<br>Qual | Low | Limits<br>High | RPD |
|----------------------------|-------|------------------|--------|-------|-----|-------------|-----|-------------|-----|----------------|-----|
| 1,2,4,5-Tetrachlorobenzene | 1500  |                  | 1500   | ug/Kg | 100 |             |     |             | 0   | 0              |     |
| 4-Bromophenyl-phenylether  | 1500  |                  | 1500   | ug/Kg | 100 |             |     |             | 0   | 0              |     |
| Hexachlorobenzene          | 1500  |                  | 1200   | ug/Kg | 80  |             |     |             | 0   | 0              |     |
| Atrazine                   | 1500  |                  | 910    | ug/Kg | 61  |             |     |             | 0   | 0              |     |
| Pentachlorophenol          | 1500  |                  | 1300   | ug/Kg | 87  |             |     |             | 17  | 109            |     |
| Phenanthrene               | 1500  | 410              | 1700   | ug/Kg | 86  |             |     |             | 0   | 0              |     |
| Pentachlorobenzene         | 1500  |                  | 1300   | ug/Kg | 87  |             |     |             | 0   | 0              |     |
| Anthracene                 | 1500  | 76               | 1300   | ug/Kg | 82  |             |     |             | 0   | 0              |     |
| 1,2,3,4-Tetrachlorobenzene | 1500  |                  | 1700   | ug/Kg | 113 |             |     |             | 0   | 0              |     |
| Carbazole                  | 1500  | 47               | 1300   | ug/Kg | 84  |             |     |             | 0   | 0              |     |
| Di-n-butylphthalate        | 1500  |                  | 1300   | ug/Kg | 87  |             |     |             | 0   | 0              |     |
| Fluoranthene               | 1500  | 720              | 2100   | ug/Kg | 92  |             |     |             | 0   | 0              |     |
| Pyrene                     | 1500  | 510              | 1600   | ug/Kg | 73  |             |     |             | 35  | 142            |     |
| Butylbenzylphthalate       | 1500  |                  | 1400   | ug/Kg | 93  |             |     |             | 0   | 0              |     |
| 3,3'-Dichlorobenzidine     | 1500  |                  | 170    | ug/Kg | 11  |             |     |             | 0   | 0              |     |
| Benzo(a)anthracene         | 1500  | 330              | 1700   | ug/Kg | 91  |             |     |             | 0   | 0              |     |
| Chrysene                   | 1500  | 390              | 1800   | ug/Kg | 94  |             |     |             | 0   | 0              |     |
| Bis(2-ethylhexyl)phthalate | 1500  | 300              | 1600   | ug/Kg | 87  |             |     |             | 0   | 0              |     |
| Di-n-octylphthalate        | 1500  |                  | 1400   | ug/Kg | 93  |             |     |             | 0   | 0              |     |
| Benzo(b)fluoranthene       | 1500  | 490              | 1800   | ug/Kg | 87  |             |     |             | 0   | 0              |     |
| Benzo(k)fluoranthene       | 1500  | 180              | 1600   | ug/Kg | 95  |             |     |             | 0   | 0              |     |
| Benzo(a)pyrene             | 1500  | 190              | 900    | ug/Kg | 47  |             |     |             | 0   | 0              |     |
| Indeno(1,2,3-cd)pyrene     | 1500  | 160              | 1200   | ug/Kg | 69  |             |     |             | 0   | 0              |     |
| Dibenzo(a,h)anthracene     | 1500  | 66               | 1500   | ug/Kg | 96  |             |     |             | 0   | 0              |     |
| Benzo(g,h,i)perylene       | 1500  |                  | 160    | ug/Kg | 11  |             |     |             | 0   | 0              |     |
| 2,3,4,6-Tetrachlorophenol  | 1500  |                  | 1300   | ug/Kg | 87  |             |     |             | 0   | 0              |     |

**Matrix Spike/Matrix Spike Duplicate Summary**

**SW-846**

**SDG No.:** BG071024

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

**Analytical Method:** SFAM\_SVOC

| Parameter                   | Spike              | Sample Result            | Result          | Units | Rec | Rec Qual | RPD | RPD Qual         | Low               | Limits High | RPD |
|-----------------------------|--------------------|--------------------------|-----------------|-------|-----|----------|-----|------------------|-------------------|-------------|-----|
| <b>Lab Sample ID:</b>       | <b>P3102-04MSD</b> | <b>Client Sample ID:</b> | <b>A4CE1MSD</b> |       |     |          |     | <b>DataFile:</b> | <b>BG061995.D</b> |             |     |
| 1,4-Dioxane                 | 580                |                          | 380             | ug/Kg | 66  |          | 2   |                  | 15                | 120         | 50  |
| Benzaldehyde                | 1500               |                          | 790             | ug/Kg | 53  |          | 4   | *                | 0                 | 0           | 0   |
| Pyridine                    | 1500               |                          | 530             | ug/Kg | 35  |          | 0   |                  | 0                 | 0           | 0   |
| Phenol                      | 1500               |                          | 1300            | ug/Kg | 87  |          | 0   |                  | 26                | 90          | 35  |
| Bis(2-chloroethyl)ether     | 1500               |                          | 1100            | ug/Kg | 73  |          | 0   |                  | 0                 | 0           | 0   |
| 2-Chlorophenol              | 1500               |                          | 1300            | ug/Kg | 87  |          | 7   |                  | 25                | 102         | 50  |
| 2-Methylphenol              | 1500               |                          | 1200            | ug/Kg | 80  |          | 8   | *                | 0                 | 0           | 0   |
| 2,2-oxybis(1-Chloropropane) | 1500               |                          | 1100            | ug/Kg | 73  |          | 0   |                  | 0                 | 0           | 0   |
| Acetophenone                | 1500               |                          | 1200            | ug/Kg | 80  |          | 8   | *                | 0                 | 0           | 0   |
| 4-Methylphenol              | 1500               |                          | 1300            | ug/Kg | 87  |          | 0   |                  | 0                 | 0           | 0   |
| N-Nitroso-di-n-propylamine  | 1500               |                          | 1200            | ug/Kg | 80  |          | 9   |                  | 41                | 126         | 38  |
| Hexachloroethane            | 1500               |                          | 1000            | ug/Kg | 67  |          | 0   |                  | 0                 | 0           | 0   |
| Nitrobenzene                | 1500               |                          | 1300            | ug/Kg | 87  |          | 0   |                  | 0                 | 0           | 0   |
| Isophorone                  | 1500               |                          | 1100            | ug/Kg | 73  |          | 0   |                  | 0                 | 0           | 0   |
| 2-Nitrophenol               | 1500               |                          | 1400            | ug/Kg | 93  |          | 7   | *                | 0                 | 0           | 0   |
| 2,4-Dimethylphenol          | 1500               |                          | 1000            | ug/Kg | 67  |          | 9   | *                | 0                 | 0           | 0   |
| Bis(2-chloroethoxy)methane  | 1500               |                          | 1100            | ug/Kg | 73  |          | 0   |                  | 0                 | 0           | 0   |
| 2,4-Dichlorophenol          | 1500               |                          | 1400            | ug/Kg | 93  |          | 0   |                  | 0                 | 0           | 0   |
| Naphthalene                 | 1500               |                          | 1300            | ug/Kg | 87  |          | 0   |                  | 0                 | 0           | 0   |
| 4-Chloroaniline             | 1500               |                          | 640             | ug/Kg | 43  |          | 7   | *                | 0                 | 0           | 0   |
| Hexachlorobutadiene         | 1500               |                          | 1500            | ug/Kg | 100 |          | 7   | *                | 0                 | 0           | 0   |
| Caprolactam                 | 1500               |                          | 1100            | ug/Kg | 73  |          | 9   | *                | 0                 | 0           | 0   |
| 4-Chloro-3-methylphenol     | 1500               |                          | 1400            | ug/Kg | 93  |          | 0   |                  | 26                | 103         | 33  |
| 1-Methylnaphthalene         | 1500               |                          | 1300            | ug/Kg | 87  |          | 0   |                  | 0                 | 0           | 0   |
| 2-Methylnaphthalene         | 1500               |                          | 1300            | ug/Kg | 87  |          | 0   |                  | 0                 | 0           | 0   |
| Hexachlorocyclopentadiene   | 1500               |                          | 650             | ug/Kg | 43  |          | 7   | *                | 0                 | 0           | 0   |
| 2,4,6-Trichlorophenol       | 1500               |                          | 1500            | ug/Kg | 100 |          | 7   | *                | 0                 | 0           | 0   |
| 2,4,5-Trichlorophenol       | 1500               |                          | 1400            | ug/Kg | 93  |          | 0   |                  | 0                 | 0           | 0   |
| 1,1'-Biphenyl               | 1500               |                          | 1400            | ug/Kg | 93  |          | 7   | *                | 0                 | 0           | 0   |
| 2-Chloronaphthalene         | 1500               |                          | 1400            | ug/Kg | 93  |          | 0   |                  | 0                 | 0           | 0   |
| 2-Nitroaniline              | 1500               |                          | 1500            | ug/Kg | 100 |          | 0   |                  | 0                 | 0           | 0   |
| Dimethylphthalate           | 1500               |                          | 1300            | ug/Kg | 87  |          | 0   |                  | 0                 | 0           | 0   |
| 2,6-Dinitrotoluene          | 1500               |                          | 1500            | ug/Kg | 100 |          | 0   |                  | 0                 | 0           | 0   |
| Acenaphthylene              | 1500               |                          | 1300            | ug/Kg | 87  |          | 0   |                  | 0                 | 0           | 0   |
| 3-Nitroaniline              | 1500               |                          | 1200            | ug/Kg | 80  |          | 9   | *                | 0                 | 0           | 0   |
| Acenaphthene                | 1500               |                          | 1300            | ug/Kg | 87  |          | 7   |                  | 31                | 137         | 19  |
| 2,4-Dinitrophenol           | 1500               |                          | 1500            | ug/Kg | 100 |          | 0   |                  | 0                 | 0           | 0   |
| 4-Nitrophenol               | 1500               |                          | 1500            | ug/Kg | 100 |          | 0   |                  | 11                | 114         | 50  |
| Dibenzofuran                | 1500               |                          | 1300            | ug/Kg | 87  |          | 0   |                  | 0                 | 0           | 0   |
| 2,4-Dinitrotoluene          | 1500               |                          | 1500            | ug/Kg | 100 | *        | 0   |                  | 28                | 89          | 47  |
| Diethylphthalate            | 1500               |                          | 1200            | ug/Kg | 80  |          | 8   | *                | 0                 | 0           | 0   |
| Fluorene                    | 1500               |                          | 1300            | ug/Kg | 87  |          | 0   |                  | 0                 | 0           | 0   |
| 4-Chlorophenyl-phenylether  | 1500               |                          | 1300            | ug/Kg | 87  |          | 0   |                  | 0                 | 0           | 0   |
| 4-Nitroaniline              | 1500               |                          | 1300            | ug/Kg | 87  |          | 0   |                  | 0                 | 0           | 0   |
| 4,6-Dinitro-2-methylphenol  | 1500               |                          | 1700            | ug/Kg | 113 |          | 5   | *                | 0                 | 0           | 0   |
| N-Nitrosodiphenylamine      | 1500               |                          | 1400            | ug/Kg | 93  |          | 0   |                  | 0                 | 0           | 0   |

**Matrix Spike/Matrix Spike Duplicate Summary**

**SW-846**

**SDG No.:** BG071024

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

**Analytical Method:** SFAM\_SVOC

| Parameter                  | Spike | Sample Result | Result | Units | Rec | Rec Qual | RPD | RPD Qual | Low | Limits High | RPD |
|----------------------------|-------|---------------|--------|-------|-----|----------|-----|----------|-----|-------------|-----|
| 1,2,4,5-Tetrachlorobenzene | 1500  |               | 1500   | ug/Kg | 100 |          | 0   |          | 0   | 0           | 0   |
| 4-Bromophenyl-phenylether  | 1500  |               | 1500   | ug/Kg | 100 |          | 0   |          | 0   | 0           | 0   |
| Hexachlorobenzene          | 1500  |               | 1200   | ug/Kg | 80  |          | 0   |          | 0   | 0           | 0   |
| Atrazine                   | 1500  |               | 930    | ug/Kg | 62  |          | 2   | *        | 0   | 0           | 0   |
| Pentachlorophenol          | 1500  |               | 1300   | ug/Kg | 87  |          | 0   |          | 17  | 109         | 47  |
| Phenanthrene               | 1500  | 410           | 1700   | ug/Kg | 86  |          | 0   |          | 0   | 0           | 0   |
| Pentachlorobenzene         | 1500  |               | 1400   | ug/Kg | 93  |          | 7   | *        | 0   | 0           | 0   |
| Anthracene                 | 1500  | 76            | 1400   | ug/Kg | 88  |          | 7   | *        | 0   | 0           | 0   |
| 1,2,3,4-Tetrachlorobenzene | 1500  |               | 1700   | ug/Kg | 113 |          | 0   |          | 0   | 0           | 0   |
| Carbazole                  | 1500  | 47            | 1300   | ug/Kg | 84  |          | 0   |          | 0   | 0           | 0   |
| Di-n-butylphthalate        | 1500  |               | 1400   | ug/Kg | 93  |          | 7   | *        | 0   | 0           | 0   |
| Fluoranthene               | 1500  | 720           | 2100   | ug/Kg | 92  |          | 0   |          | 0   | 0           | 0   |
| Pyrene                     | 1500  | 510           | 1600   | ug/Kg | 73  |          | 0   |          | 35  | 142         | 36  |
| Butylbenzylphthalate       | 1500  |               | 1400   | ug/Kg | 93  |          | 0   |          | 0   | 0           | 0   |
| 3,3'-Dichlorobenzidine     | 1500  |               | 230    | ug/Kg | 15  |          | 31  | *        | 0   | 0           | 0   |
| Benzo(a)anthracene         | 1500  | 330           | 1700   | ug/Kg | 91  |          | 0   |          | 0   | 0           | 0   |
| Chrysene                   | 1500  | 390           | 1800   | ug/Kg | 94  |          | 0   |          | 0   | 0           | 0   |
| Bis(2-ethylhexyl)phthalate | 1500  | 300           | 1600   | ug/Kg | 87  |          | 0   |          | 0   | 0           | 0   |
| Di-n-octylphthalate        | 1500  |               | 1400   | ug/Kg | 93  |          | 0   |          | 0   | 0           | 0   |
| Benzo(b)fluoranthene       | 1500  | 490           | 1800   | ug/Kg | 87  |          | 0   |          | 0   | 0           | 0   |
| Benzo(k)fluoranthene       | 1500  | 180           | 1600   | ug/Kg | 95  |          | 0   |          | 0   | 0           | 0   |
| Benzo(a)pyrene             | 1500  | 190           | 910    | ug/Kg | 48  |          | 2   | *        | 0   | 0           | 0   |
| Indeno(1,2,3-cd)pyrene     | 1500  | 160           | 1300   | ug/Kg | 76  |          | 10  | *        | 0   | 0           | 0   |
| Dibenzo(a,h)anthracene     | 1500  | 66            | 1500   | ug/Kg | 96  |          | 0   |          | 0   | 0           | 0   |
| Benzo(g,h,i)perylene       | 1500  |               | 170    | ug/Kg | 11  |          | 0   |          | 0   | 0           | 0   |
| 2,3,4,6-Tetrachlorophenol  | 1500  |               | 1300   | ug/Kg | 87  |          | 0   |          | 0   | 0           | 0   |

**Matrix Spike/Matrix Spike Duplicate Summary**

**SW-846**

**SDG No.:** BG071024

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

**Analytical Method:** SFAM\_SVOC

| Parameter                   | Spike             | Sample Result            | Result         | Units | Rec | Rec Qual | RPD | RPD Qual         | Low               | Limits High | RPD |
|-----------------------------|-------------------|--------------------------|----------------|-------|-----|----------|-----|------------------|-------------------|-------------|-----|
| <b>Lab Sample ID:</b>       | <b>P3109-07MS</b> | <b>Client Sample ID:</b> | <b>H0HC4MS</b> |       |     |          |     | <b>DataFile:</b> | <b>BG061997.D</b> |             |     |
| 1,4-Dioxane                 | 16                |                          | 4              | ug/L  | 25  |          |     |                  | 15                | 120         |     |
| Benzaldehyde                | 40                |                          | 22             | ug/L  | 55  |          |     |                  | 0                 | 0           |     |
| Pyridine                    | 40                |                          |                | ug/L  | 0   |          |     |                  | 0                 | 0           |     |
| Phenol                      | 40                |                          | 10             | ug/L  | 25  |          |     |                  | 12                | 110         |     |
| Bis(2-chloroethyl)ether     | 40                |                          | 28             | ug/L  | 70  |          |     |                  | 0                 | 0           |     |
| 2-Chlorophenol              | 40                |                          | 31             | ug/L  | 78  |          |     |                  | 27                | 123         |     |
| 2-Methylphenol              | 40                |                          | 25             | ug/L  | 63  |          |     |                  | 0                 | 0           |     |
| 2,2-oxybis(1-Chloropropane) | 40                |                          | 26             | ug/L  | 65  |          |     |                  | 0                 | 0           |     |
| Acetophenone                | 40                |                          | 31             | ug/L  | 78  |          |     |                  | 0                 | 0           |     |
| 4-Methylphenol              | 40                |                          | 22             | ug/L  | 55  |          |     |                  | 0                 | 0           |     |
| N-Nitroso-di-n-propylamine  | 40                |                          | 29             | ug/L  | 73  |          |     |                  | 41                | 116         |     |
| Hexachloroethane            | 40                |                          | 32             | ug/L  | 80  |          |     |                  | 0                 | 0           |     |
| Nitrobenzene                | 40                |                          | 34             | ug/L  | 85  |          |     |                  | 0                 | 0           |     |
| Isophorone                  | 40                |                          | 30             | ug/L  | 75  |          |     |                  | 0                 | 0           |     |
| 2-Nitrophenol               | 40                |                          | 37             | ug/L  | 93  |          |     |                  | 0                 | 0           |     |
| 2,4-Dimethylphenol          | 40                |                          | 25             | ug/L  | 63  |          |     |                  | 0                 | 0           |     |
| Bis(2-chloroethoxy)methane  | 40                |                          | 30             | ug/L  | 75  |          |     |                  | 0                 | 0           |     |
| 2,4-Dichlorophenol          | 40                |                          | 37             | ug/L  | 93  |          |     |                  | 0                 | 0           |     |
| Naphthalene                 | 40                |                          | 34             | ug/L  | 85  |          |     |                  | 0                 | 0           |     |
| 4-Chloroaniline             | 40                |                          | 8.9            | ug/L  | 22  |          |     |                  | 0                 | 0           |     |
| Hexachlorobutadiene         | 40                |                          | 37             | ug/L  | 93  |          |     |                  | 0                 | 0           |     |
| Caprolactam                 | 40                |                          | 4.2            | ug/L  | 11  |          |     |                  | 0                 | 0           |     |
| 4-Chloro-3-methylphenol     | 40                |                          | 37             | ug/L  | 93  |          |     |                  | 23                | 97          |     |
| 1-Methylnaphthalene         | 40                |                          | 35             | ug/L  | 88  |          |     |                  | 0                 | 0           |     |
| 2-Methylnaphthalene         | 40                |                          | 35             | ug/L  | 88  |          |     |                  | 0                 | 0           |     |
| Hexachlorocyclopentadiene   | 40                |                          | 18             | ug/L  | 45  |          |     |                  | 0                 | 0           |     |
| 2,4,6-Trichlorophenol       | 40                |                          | 40             | ug/L  | 100 |          |     |                  | 0                 | 0           |     |
| 2,4,5-Trichlorophenol       | 40                |                          | 41             | ug/L  | 103 |          |     |                  | 0                 | 0           |     |
| 1,1'-Biphenyl               | 40                |                          | 36             | ug/L  | 90  |          |     |                  | 0                 | 0           |     |
| 2-Chloronaphthalene         | 40                |                          | 36             | ug/L  | 90  |          |     |                  | 0                 | 0           |     |
| 2-Nitroaniline              | 40                |                          | 43             | ug/L  | 108 |          |     |                  | 0                 | 0           |     |
| Dimethylphthalate           | 40                |                          | 37             | ug/L  | 93  |          |     |                  | 0                 | 0           |     |
| 2,6-Dinitrotoluene          | 40                |                          | 42             | ug/L  | 105 |          |     |                  | 0                 | 0           |     |
| Acenaphthylene              | 40                |                          | 36             | ug/L  | 90  |          |     |                  | 0                 | 0           |     |
| 3-Nitroaniline              | 40                |                          | 34             | ug/L  | 85  |          |     |                  | 0                 | 0           |     |
| Acenaphthene                | 40                |                          | 36             | ug/L  | 90  |          |     |                  | 46                | 118         |     |
| 2,4-Dinitrophenol           | 40                |                          | 43             | ug/L  | 108 |          |     |                  | 0                 | 0           |     |
| 4-Nitrophenol               | 40                |                          | 16             | ug/L  | 40  |          |     |                  | 10                | 80          |     |
| Dibenzofuran                | 40                |                          | 37             | ug/L  | 93  |          |     |                  | 0                 | 0           |     |
| 2,4-Dinitrotoluene          | 40                |                          | 44             | ug/L  | 110 | *        |     |                  | 24                | 96          |     |
| Diethylphthalate            | 40                |                          | 36             | ug/L  | 90  |          |     |                  | 0                 | 0           |     |
| Fluorene                    | 40                |                          | 37             | ug/L  | 93  |          |     |                  | 0                 | 0           |     |
| 4-Chlorophenyl-phenylether  | 40                |                          | 38             | ug/L  | 95  |          |     |                  | 0                 | 0           |     |
| 4-Nitroaniline              | 40                |                          | 39             | ug/L  | 98  |          |     |                  | 0                 | 0           |     |
| 4,6-Dinitro-2-methylphenol  | 40                |                          | 47             | ug/L  | 117 |          |     |                  | 0                 | 0           |     |
| N-Nitrosodiphenylamine      | 40                |                          | 43             | ug/L  | 108 |          |     |                  | 0                 | 0           |     |

**Matrix Spike/Matrix Spike Duplicate Summary**

**SW-846**

**SDG No.:** BG071024

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

**Analytical Method:** SFAM\_SVOC

| Parameter                  | Spike | Sample Result | Result | Units | Rec | Rec Qual | RPD | RPD Qual | Low | Limits High | RPD |
|----------------------------|-------|---------------|--------|-------|-----|----------|-----|----------|-----|-------------|-----|
| 1,2,4,5-Tetrachlorobenzene | 40    |               | 39     | ug/L  | 98  |          |     |          | 0   | 0           |     |
| 4-Bromophenyl-phenylether  | 40    |               | 44     | ug/L  | 110 |          |     |          | 0   | 0           |     |
| Hexachlorobenzene          | 40    |               | 45     | ug/L  | 113 |          |     |          | 0   | 0           |     |
| Atrazine                   | 40    |               | 30     | ug/L  | 75  |          |     |          | 0   | 0           |     |
| Pentachlorophenol          | 40    |               | 45     | ug/L  | 113 | *        |     |          | 9   | 103         |     |
| Phenanthrene               | 40    |               | 40     | ug/L  | 100 |          |     |          | 0   | 0           |     |
| Pentachlorobenzene         | 40    |               | 42     | ug/L  | 105 |          |     |          | 0   | 0           |     |
| Anthracene                 | 40    |               | 39     | ug/L  | 98  |          |     |          | 0   | 0           |     |
| 1,2,3,4-Tetrachlorobenzene | 40    |               | 47     | ug/L  | 117 |          |     |          | 0   | 0           |     |
| Carbazole                  | 40    |               | 42     | ug/L  | 105 |          |     |          | 0   | 0           |     |
| Di-n-butylphthalate        | 40    |               | 41     | ug/L  | 103 |          |     |          | 0   | 0           |     |
| Fluoranthene               | 40    |               | 40     | ug/L  | 100 |          |     |          | 0   | 0           |     |
| Pyrene                     | 40    |               | 40     | ug/L  | 100 |          |     |          | 26  | 127         |     |
| Butylbenzylphthalate       | 40    |               | 39     | ug/L  | 98  |          |     |          | 0   | 0           |     |
| 3,3'-Dichlorobenzidine     | 40    |               | 28     | ug/L  | 70  |          |     |          | 0   | 0           |     |
| Benzo(a)anthracene         | 40    |               | 41     | ug/L  | 103 |          |     |          | 0   | 0           |     |
| Chrysene                   | 40    |               | 42     | ug/L  | 105 |          |     |          | 0   | 0           |     |
| Bis(2-ethylhexyl)phthalate | 40    |               | 39     | ug/L  | 98  |          |     |          | 0   | 0           |     |
| Di-n-octylphthalate        | 40    |               | 40     | ug/L  | 100 |          |     |          | 0   | 0           |     |
| Benzo(b)fluoranthene       | 40    |               | 41     | ug/L  | 103 |          |     |          | 0   | 0           |     |
| Benzo(k)fluoranthene       | 40    |               | 41     | ug/L  | 103 |          |     |          | 0   | 0           |     |
| Benzo(a)pyrene             | 40    |               | 37     | ug/L  | 93  |          |     |          | 0   | 0           |     |
| Indeno(1,2,3-cd)pyrene     | 40    |               | 42     | ug/L  | 105 |          |     |          | 0   | 0           |     |
| Dibenzo(a,h)anthracene     | 40    |               | 41     | ug/L  | 103 |          |     |          | 0   | 0           |     |
| Benzo(g,h,i)perylene       | 40    |               | 40     | ug/L  | 100 |          |     |          | 0   | 0           |     |
| 2,3,4,6-Tetrachlorophenol  | 40    |               | 39     | ug/L  | 98  |          |     |          | 0   | 0           |     |

**Matrix Spike/Matrix Spike Duplicate Summary**

**SW-846**

**SDG No.:** BG071024

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

**Analytical Method:** SFAM\_SVOC

| Parameter                   | Spike              | Sample Result            | Result          | Units | Rec | Rec Qual | RPD              | RPD Qual          | Low | Limits High | RPD |
|-----------------------------|--------------------|--------------------------|-----------------|-------|-----|----------|------------------|-------------------|-----|-------------|-----|
| <b>Lab Sample ID:</b>       | <b>P3109-08MSD</b> | <b>Client Sample ID:</b> | <b>H0HC4MSD</b> |       |     |          | <b>DataFile:</b> | <b>BG061998.D</b> |     |             |     |
| 1,4-Dioxane                 | 16                 |                          | 3.8             | ug/L  | 24  | 4        |                  |                   | 15  | 120         | 50  |
| Benzaldehyde                | 40                 |                          | 20              | ug/L  | 50  | 10       | *                |                   | 0   | 0           | 0   |
| Pyridine                    | 40                 |                          |                 | ug/L  | 0   |          |                  |                   | 0   | 0           | 0   |
| Phenol                      | 40                 |                          | 9.4             | ug/L  | 23  | 8        |                  |                   | 12  | 110         | 42  |
| Bis(2-chloroethyl)ether     | 40                 |                          | 26              | ug/L  | 65  | 7        | *                |                   | 0   | 0           | 0   |
| 2-Chlorophenol              | 40                 |                          | 28              | ug/L  | 70  | 11       |                  |                   | 27  | 123         | 40  |
| 2-Methylphenol              | 40                 |                          | 22              | ug/L  | 55  | 14       | *                |                   | 0   | 0           | 0   |
| 2,2-oxybis(1-Chloropropane) | 40                 |                          | 25              | ug/L  | 63  | 3        | *                |                   | 0   | 0           | 0   |
| Acetophenone                | 40                 |                          | 28              | ug/L  | 70  | 11       | *                |                   | 0   | 0           | 0   |
| 4-Methylphenol              | 40                 |                          | 20              | ug/L  | 50  | 10       | *                |                   | 0   | 0           | 0   |
| N-Nitroso-di-n-propylamine  | 40                 |                          | 27              | ug/L  | 68  | 7        |                  |                   | 41  | 116         | 38  |
| Hexachloroethane            | 40                 |                          | 28              | ug/L  | 70  | 13       | *                |                   | 0   | 0           | 0   |
| Nitrobenzene                | 40                 |                          | 31              | ug/L  | 78  | 9        | *                |                   | 0   | 0           | 0   |
| Isophorone                  | 40                 |                          | 27              | ug/L  | 68  | 10       | *                |                   | 0   | 0           | 0   |
| 2-Nitrophenol               | 40                 |                          | 33              | ug/L  | 83  | 11       | *                |                   | 0   | 0           | 0   |
| 2,4-Dimethylphenol          | 40                 |                          | 23              | ug/L  | 58  | 8        | *                |                   | 0   | 0           | 0   |
| Bis(2-chloroethoxy)methane  | 40                 |                          | 27              | ug/L  | 68  | 10       | *                |                   | 0   | 0           | 0   |
| 2,4-Dichlorophenol          | 40                 |                          | 35              | ug/L  | 88  | 6        | *                |                   | 0   | 0           | 0   |
| Naphthalene                 | 40                 |                          | 31              | ug/L  | 78  | 9        | *                |                   | 0   | 0           | 0   |
| 4-Chloroaniline             | 40                 |                          | 8.1             | ug/L  | 20  | 10       | *                |                   | 0   | 0           | 0   |
| Hexachlorobutadiene         | 40                 |                          | 34              | ug/L  | 85  | 9        | *                |                   | 0   | 0           | 0   |
| Caprolactam                 | 40                 |                          | 3.9             | ug/L  | 10  | 10       | *                |                   | 0   | 0           | 0   |
| 4-Chloro-3-methylphenol     | 40                 |                          | 35              | ug/L  | 88  | 6        |                  |                   | 23  | 97          | 42  |
| 1-Methylnaphthalene         | 40                 |                          | 33              | ug/L  | 83  | 6        | *                |                   | 0   | 0           | 0   |
| 2-Methylnaphthalene         | 40                 |                          | 32              | ug/L  | 80  | 10       | *                |                   | 0   | 0           | 0   |
| Hexachlorocyclopentadiene   | 40                 |                          | 15              | ug/L  | 38  | 17       | *                |                   | 0   | 0           | 0   |
| 2,4,6-Trichlorophenol       | 40                 |                          | 36              | ug/L  | 90  | 11       | *                |                   | 0   | 0           | 0   |
| 2,4,5-Trichlorophenol       | 40                 |                          | 37              | ug/L  | 93  | 10       | *                |                   | 0   | 0           | 0   |
| 1,1'-Biphenyl               | 40                 |                          | 33              | ug/L  | 83  | 8        | *                |                   | 0   | 0           | 0   |
| 2-Chloronaphthalene         | 40                 |                          | 33              | ug/L  | 83  | 8        | *                |                   | 0   | 0           | 0   |
| 2-Nitroaniline              | 40                 |                          | 39              | ug/L  | 98  | 10       | *                |                   | 0   | 0           | 0   |
| Dimethylphthalate           | 40                 |                          | 34              | ug/L  | 85  | 9        | *                |                   | 0   | 0           | 0   |
| 2,6-Dinitrotoluene          | 40                 |                          | 39              | ug/L  | 98  | 7        | *                |                   | 0   | 0           | 0   |
| Acenaphthylene              | 40                 |                          | 32              | ug/L  | 80  | 12       | *                |                   | 0   | 0           | 0   |
| 3-Nitroaniline              | 40                 |                          | 32              | ug/L  | 80  | 6        | *                |                   | 0   | 0           | 0   |
| Acenaphthene                | 40                 |                          | 33              | ug/L  | 83  | 8        |                  |                   | 46  | 118         | 31  |
| 2,4-Dinitrophenol           | 40                 |                          | 39              | ug/L  | 98  | 10       | *                |                   | 0   | 0           | 0   |
| 4-Nitrophenol               | 40                 |                          | 14              | ug/L  | 35  | 13       |                  |                   | 10  | 80          | 50  |
| Dibenzofuran                | 40                 |                          | 34              | ug/L  | 85  | 9        | *                |                   | 0   | 0           | 0   |
| 2,4-Dinitrotoluene          | 40                 |                          | 39              | ug/L  | 98  | *        | 12               |                   | 24  | 96          | 38  |
| Diethylphthalate            | 40                 |                          | 34              | ug/L  | 85  | 6        | *                |                   | 0   | 0           | 0   |
| Fluorene                    | 40                 |                          | 34              | ug/L  | 85  | 9        | *                |                   | 0   | 0           | 0   |
| 4-Chlorophenyl-phenylether  | 40                 |                          | 35              | ug/L  | 88  | 8        | *                |                   | 0   | 0           | 0   |
| 4-Nitroaniline              | 40                 |                          | 36              | ug/L  | 90  | 9        | *                |                   | 0   | 0           | 0   |
| 4,6-Dinitro-2-methylphenol  | 40                 |                          | 42              | ug/L  | 105 | 11       | *                |                   | 0   | 0           | 0   |
| N-Nitrosodiphenylamine      | 40                 |                          | 38              | ug/L  | 95  | 13       | *                |                   | 0   | 0           | 0   |

**Matrix Spike/Matrix Spike Duplicate Summary**

**SW-846**

**SDG No.:** BG071024

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

**Analytical Method:** SFAM\_SVOC

| Parameter                  | Spike | Sample Result | Result | Units | Rec | Rec Qual | RPD | RPD Qual | Low | Limits High | RPD |
|----------------------------|-------|---------------|--------|-------|-----|----------|-----|----------|-----|-------------|-----|
| 1,2,4,5-Tetrachlorobenzene | 40    |               | 36     | ug/L  | 90  |          | 9   | *        | 0   | 0           | 0   |
| 4-Bromophenyl-phenylether  | 40    |               | 39     | ug/L  | 98  |          | 12  | *        | 0   | 0           | 0   |
| Hexachlorobenzene          | 40    |               | 39     | ug/L  | 98  |          | 14  | *        | 0   | 0           | 0   |
| Atrazine                   | 40    |               | 26     | ug/L  | 65  |          | 14  | *        | 0   | 0           | 0   |
| Pentachlorophenol          | 40    |               | 40     | ug/L  | 100 |          | 12  |          | 9   | 103         | 50  |
| Phenanthrene               | 40    |               | 36     | ug/L  | 90  |          | 11  | *        | 0   | 0           | 0   |
| Pentachlorobenzene         | 40    |               | 37     | ug/L  | 93  |          | 12  | *        | 0   | 0           | 0   |
| Anthracene                 | 40    |               | 35     | ug/L  | 88  |          | 11  | *        | 0   | 0           | 0   |
| 1,2,3,4-Tetrachlorobenzene | 40    |               | 41     | ug/L  | 103 |          | 13  | *        | 0   | 0           | 0   |
| Carbazole                  | 40    |               | 37     | ug/L  | 93  |          | 12  | *        | 0   | 0           | 0   |
| Di-n-butylphthalate        | 40    |               | 36     | ug/L  | 90  |          | 13  | *        | 0   | 0           | 0   |
| Fluoranthene               | 40    |               | 36     | ug/L  | 90  |          | 11  | *        | 0   | 0           | 0   |
| Pyrene                     | 40    |               | 36     | ug/L  | 90  |          | 11  |          | 26  | 127         | 31  |
| Butylbenzylphthalate       | 40    |               | 36     | ug/L  | 90  |          | 9   | *        | 0   | 0           | 0   |
| 3,3'-Dichlorobenzidine     | 40    |               | 25     | ug/L  | 63  |          | 11  | *        | 0   | 0           | 0   |
| Benzo(a)anthracene         | 40    |               | 37     | ug/L  | 93  |          | 10  | *        | 0   | 0           | 0   |
| Chrysene                   | 40    |               | 38     | ug/L  | 95  |          | 10  | *        | 0   | 0           | 0   |
| Bis(2-ethylhexyl)phthalate | 40    |               | 35     | ug/L  | 88  |          | 11  | *        | 0   | 0           | 0   |
| Di-n-octylphthalate        | 40    |               | 36     | ug/L  | 90  |          | 11  | *        | 0   | 0           | 0   |
| Benzo(b)fluoranthene       | 40    |               | 38     | ug/L  | 95  |          | 8   | *        | 0   | 0           | 0   |
| Benzo(k)fluoranthene       | 40    |               | 37     | ug/L  | 93  |          | 10  | *        | 0   | 0           | 0   |
| Benzo(a)pyrene             | 40    |               | 34     | ug/L  | 85  |          | 9   | *        | 0   | 0           | 0   |
| Indeno(1,2,3-cd)pyrene     | 40    |               | 39     | ug/L  | 98  |          | 7   | *        | 0   | 0           | 0   |
| Dibenzo(a,h)anthracene     | 40    |               | 38     | ug/L  | 95  |          | 8   | *        | 0   | 0           | 0   |
| Benzo(g,h,i)perylene       | 40    |               | 37     | ug/L  | 93  |          | 7   | *        | 0   | 0           | 0   |
| 2,3,4,6-Tetrachlorophenol  | 40    |               | 38     | ug/L  | 95  |          | 3   | *        | 0   | 0           | 0   |

## Surrogate Summary

SW-846

SDG No.: BG071024

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

Analytical Method: SFAM\_SVOC

| Lab Sample ID | Client ID | Datafile   | Parameter                     | Spike<br>(PPM) | Result<br>(PPM) | Recovery (%) | Qual | Limits (%) |      |
|---------------|-----------|------------|-------------------------------|----------------|-----------------|--------------|------|------------|------|
|               |           |            |                               |                |                 |              |      | Low        | High |
| SP6561        | SP6561    | BG061999.D | 1,4-Dioxane-d8                | 8              | 13,884.00       | 173550       | *    | 15         | 120  |
|               |           |            | Pyridine-d5                   | 40             | 71,546.00       | 178865       | *    | 20         | 120  |
|               |           |            | Phenol-d5                     | 40             | 73,125.00       | 182813       | *    | 10         | 130  |
|               |           |            | Bis(2-Chloroethyl)ether-d8    | 40             | 67,377.00       | 168443       | *    | 25         | 120  |
|               |           |            | 2-Chlorophenol-d4             | 40             | 77,496.00       | 193740       | *    | 20         | 130  |
|               |           |            | 4-Methylphenol-d8             | 40             | 73,603.00       | 184007       | *    | 25         | 125  |
|               |           |            | Nitrobenzene-d5               | 40             | 71,755.00       | 179388       | *    | 20         | 125  |
|               |           |            | 2-Nitrophenol-d4              | 40             | 80,257.00       | 200643       | *    | 20         | 130  |
|               |           |            | 2,4-Dichlorophenol-d3         | 40             | 78,040.00       | 195100       | *    | 20         | 120  |
|               |           |            | 4-Chloroaniline-d4            | 40             | 71,123.00       | 177807       | *    | 1          | 146  |
|               |           |            | Dimethylphthalate-d6          | 40             | 71,689.00       | 179222       | *    | 25         | 130  |
|               |           |            | Acenaphthylene-d8             | 40             | 76,596.00       | 191490       | *    | 10         | 130  |
|               |           |            | 4-Nitrophenol-d4              | 40             | 64,957.00       | 162393       | *    | 10         | 150  |
|               |           |            | Fluorene-d10                  | 40             | 74,190.00       | 185475       | *    | 25         | 125  |
|               |           |            | 4,6-Dinitro-2-methylphenol-d2 | 40             | 74,084.00       | 185210       | *    | 10         | 130  |
|               |           |            | Anthracene-d10                | 40             | 72,174.00       | 180435       | *    | 25         | 130  |
|               |           |            | Pyrene-d10                    | 40             | 72,289.00       | 180722       | *    | 15         | 130  |
|               |           |            | Benzo(a)pyrene-d12            | 40             | 79,809.00       | 199522       | *    | 20         | 130  |



## Surrogate Summary

SW-846

SDG No.: BG071024

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

Analytical Method: SFAM\_SVOC

| Lab Sample ID | Client ID | Datafile   | Parameter                     | Spike<br>(PPM) | Result<br>(PPM) | Recovery (%) | Qual | Limits (%) |      |
|---------------|-----------|------------|-------------------------------|----------------|-----------------|--------------|------|------------|------|
|               |           |            |                               |                |                 |              |      | Low        | High |
| P3035-08      | A4CX4     | BG062000.D | 1,4-Dioxane-d8                | 8              | 2.16            | 27           |      | 15         | 120  |
|               |           |            | Pyridine-d5                   | 40             | 10.59           | 26           |      | 20         | 120  |
|               |           |            | Phenol-d5                     | 40             | 15.75           | 39           |      | 10         | 130  |
|               |           |            | Bis(2-Chloroethyl)ether-d8    | 40             | 14.35           | 36           |      | 10         | 150  |
|               |           |            | 2-Chlorophenol-d4             | 40             | 15.85           | 40           |      | 15         | 120  |
|               |           |            | 4-Methylphenol-d8             | 40             | 16.27           | 41           |      | 10         | 140  |
|               |           |            | Nitrobenzene-d5               | 40             | 16.18           | 40           |      | 10         | 135  |
|               |           |            | 2-Nitrophenol-d4              | 40             | 17.32           | 43           |      | 10         | 120  |
|               |           |            | 2,4-Dichlorophenol-d3         | 40             | 17.72           | 44           |      | 10         | 140  |
|               |           |            | 4-Chloroaniline-d4            | 40             | 15.38           | 38           |      | 1          | 145  |
|               |           |            | Dimethylphthalate-d6          | 40             | 17.69           | 44           |      | 10         | 145  |
|               |           |            | Acenaphthylene-d8             | 40             | 18.27           | 46           |      | 15         | 120  |
|               |           |            | 4-Nitrophenol-d4              | 40             | 15.05           | 38           |      | 10         | 150  |
|               |           |            | Fluorene-d10                  | 40             | 18.39           | 46           |      | 20         | 140  |
|               |           |            | 4,6-Dinitro-2-methylphenol-d2 | 40             | 15.58           | 39           |      | 10         | 130  |
|               |           |            | Anthracene-d10                | 40             | 18.23           | 46           |      | 10         | 150  |
|               |           |            | Pyrene-d10                    | 40             | 19.09           | 48           |      | 10         | 130  |
|               |           |            | Benzo(a)pyrene-d12            | 40             | 19.65           | 49           |      | 10         | 140  |
| P3035-09      | A4CX7     | BG062001.D | 1,4-Dioxane-d8                | 8              | 2.79            | 35           |      | 15         | 120  |
|               |           |            | Pyridine-d5                   | 40             | 1.75            | 4            | *    | 20         | 120  |
|               |           |            | Phenol-d5                     | 40             | 21.49           | 54           |      | 10         | 130  |
|               |           |            | Bis(2-Chloroethyl)ether-d8    | 40             | 20.12           | 50           |      | 10         | 150  |
|               |           |            | 2-Chlorophenol-d4             | 40             | 22.45           | 56           |      | 15         | 120  |
|               |           |            | 4-Methylphenol-d8             | 40             | 19.54           | 49           |      | 10         | 140  |
|               |           |            | Nitrobenzene-d5               | 40             | 23.14           | 58           |      | 10         | 135  |
|               |           |            | 2-Nitrophenol-d4              | 40             | 23.36           | 58           |      | 10         | 120  |
|               |           |            | 2,4-Dichlorophenol-d3         | 40             | 23.56           | 59           |      | 10         | 140  |
|               |           |            | 4-Chloroaniline-d4            | 40             | 12.98           | 32           |      | 1          | 145  |
|               |           |            | Dimethylphthalate-d6          | 40             | 22.86           | 57           |      | 10         | 145  |
|               |           |            | Acenaphthylene-d8             | 40             | 24.40           | 61           |      | 15         | 120  |
|               |           |            | 4-Nitrophenol-d4              | 40             | 19.63           | 49           |      | 10         | 150  |
|               |           |            | Fluorene-d10                  | 40             | 24.56           | 61           |      | 20         | 140  |
|               |           |            | 4,6-Dinitro-2-methylphenol-d2 | 40             | 21.36           | 53           |      | 10         | 130  |
|               |           |            | Anthracene-d10                | 40             | 24.29           | 61           |      | 10         | 150  |
|               |           |            | Pyrene-d10                    | 40             | 22.35           | 56           |      | 10         | 130  |
|               |           |            | Benzo(a)pyrene-d12            | 40             | 18.36           | 46           |      | 10         | 140  |

## Surrogate Summary

SW-846

SDG No.: BG071024

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

Analytical Method: SFAM\_SVOC

| Lab Sample ID | Client ID | Datafile   | Parameter                     | Spike<br>(PPM) | Result<br>(PPM) | Recovery (%) | Qual | Limits (%) |      |
|---------------|-----------|------------|-------------------------------|----------------|-----------------|--------------|------|------------|------|
|               |           |            |                               |                |                 |              |      | Low        | High |
| P3108-04      | C0SW0     | BG062002.D | 1,4-Dioxane-d8                | 8              | 3.34            | 42           |      | 15         | 120  |
|               |           |            | Pyridine-d5                   | 40             | 0.00            | 0            | *    | 20         | 120  |
|               |           |            | Phenol-d5                     | 40             | 13.47           | 34           |      | 10         | 130  |
|               |           |            | Bis(2-Chloroethyl)ether-d8    | 40             | 33.40           | 83           |      | 25         | 120  |
|               |           |            | 2-Chlorophenol-d4             | 40             | 36.37           | 91           |      | 20         | 130  |
|               |           |            | 4-Methylphenol-d8             | 40             | 24.51           | 61           |      | 25         | 125  |
|               |           |            | Nitrobenzene-d5               | 40             | 43.39           | 108          |      | 20         | 125  |
|               |           |            | 2-Nitrophenol-d4              | 40             | 45.96           | 115          |      | 20         | 130  |
|               |           |            | 2,4-Dichlorophenol-d3         | 40             | 40.91           | 102          |      | 20         | 120  |
|               |           |            | 4-Chloroaniline-d4            | 40             | 3.36            | 8            |      | 1          | 146  |
|               |           |            | Dimethylphthalate-d6          | 40             | 40.66           | 102          |      | 25         | 130  |
|               |           |            | Acenaphthylene-d8             | 40             | 33.83           | 85           |      | 10         | 130  |
|               |           |            | 4-Nitrophenol-d4              | 40             | 16.61           | 42           |      | 10         | 150  |
|               |           |            | Fluorene-d10                  | 40             | 40.39           | 101          |      | 25         | 125  |
|               |           |            | 4,6-Dinitro-2-methylphenol-d2 | 40             | 45.23           | 113          |      | 10         | 130  |
|               |           |            | Anthracene-d10                | 40             | 38.28           | 96           |      | 25         | 130  |
|               |           |            | Pyrene-d10                    | 40             | 40.35           | 101          |      | 15         | 130  |
|               |           |            | Benzo(a)pyrene-d12            | 40             | 36.78           | 92           |      | 20         | 130  |

## Surrogate Summary

SW-846

SDG No.: **BG071024**

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

Analytical Method: **SFAM\_SVOC**

| Lab Sample ID | Client ID | Datafile   | Parameter                     | Spike<br>(PPM) | Result<br>(PPM) | Recovery (%) | Qual | Limits (%) |      |
|---------------|-----------|------------|-------------------------------|----------------|-----------------|--------------|------|------------|------|
|               |           |            |                               |                |                 |              |      | Low        | High |
| P3109-06      | H0HC4     | BG061996.D | Pyridine-d5                   | 40             | 7.38            | 18           | *    | 20         | 120  |
|               |           |            | 1,4-Dioxane-d8                | 8              | 4.00            | 50           |      | 15         | 120  |
|               |           |            | Phenol-d5                     | 40             | 10.85           | 27           |      | 10         | 130  |
|               |           |            | Bis(2-Chloroethyl)ether-d8    | 40             | 24.85           | 62           |      | 25         | 120  |
|               |           |            | 2-Chlorophenol-d4             | 40             | 27.39           | 68           |      | 20         | 130  |
|               |           |            | 4-Methylphenol-d8             | 40             | 22.87           | 57           |      | 25         | 125  |
|               |           |            | Nitrobenzene-d5               | 40             | 29.53           | 74           |      | 20         | 125  |
|               |           |            | 2-Nitrophenol-d4              | 40             | 32.58           | 81           |      | 20         | 130  |
|               |           |            | 2,4-Dichlorophenol-d3         | 40             | 31.65           | 79           |      | 20         | 120  |
|               |           |            | 4-Chloroaniline-d4            | 40             | 19.44           | 49           |      | 1          | 146  |
|               |           |            | Dimethylphthalate-d6          | 40             | 31.71           | 79           |      | 25         | 130  |
|               |           |            | Acenaphthylene-d8             | 40             | 31.73           | 79           |      | 10         | 130  |
|               |           |            | 4-Nitrophenol-d4              | 40             | 11.69           | 29           |      | 10         | 150  |
|               |           |            | Fluorene-d10                  | 40             | 32.48           | 81           |      | 25         | 125  |
|               |           |            | 4,6-Dinitro-2-methylphenol-d2 | 40             | 35.63           | 89           |      | 10         | 130  |
|               |           |            | Anthracene-d10                | 40             | 34.69           | 87           |      | 25         | 130  |
|               |           |            | Pyrene-d10                    | 40             | 35.33           | 88           |      | 15         | 130  |
|               |           |            | Benzo(a)pyrene-d12            | 40             | 37.22           | 93           |      | 20         | 130  |
| P3109-07MS    | H0HC4MS   | BG061997.D | 1,4-Dioxane-d8                | 8              | 2.15            | 27           |      | 15         | 120  |
|               |           |            | Pyridine-d5                   | 40             | 0.00            | 0            | *    | 20         | 120  |
|               |           |            | Phenol-d5                     | 40             | 9.74            | 24           |      | 10         | 130  |
|               |           |            | Bis(2-Chloroethyl)ether-d8    | 40             | 28.44           | 71           |      | 25         | 120  |
|               |           |            | 2-Chlorophenol-d4             | 40             | 31.10           | 78           |      | 20         | 130  |
|               |           |            | 4-Methylphenol-d8             | 40             | 20.72           | 52           |      | 25         | 125  |
|               |           |            | Nitrobenzene-d5               | 40             | 38.03           | 95           |      | 20         | 125  |
|               |           |            | 2-Nitrophenol-d4              | 40             | 37.13           | 93           |      | 20         | 130  |
|               |           |            | 2,4-Dichlorophenol-d3         | 40             | 37.81           | 95           |      | 20         | 120  |
|               |           |            | 4-Chloroaniline-d4            | 40             | 5.97            | 15           |      | 1          | 146  |
|               |           |            | Dimethylphthalate-d6          | 40             | 37.57           | 94           |      | 25         | 130  |
|               |           |            | Acenaphthylene-d8             | 40             | 37.36           | 93           |      | 10         | 130  |
|               |           |            | 4-Nitrophenol-d4              | 40             | 12.84           | 32           |      | 10         | 150  |
|               |           |            | Fluorene-d10                  | 40             | 37.92           | 95           |      | 25         | 125  |
|               |           |            | 4,6-Dinitro-2-methylphenol-d2 | 40             | 48.55           | 121          |      | 10         | 130  |
|               |           |            | Anthracene-d10                | 40             | 40.81           | 102          |      | 25         | 130  |
|               |           |            | Pyrene-d10                    | 40             | 40.57           | 101          |      | 15         | 130  |
|               |           |            | Benzo(a)pyrene-d12            | 40             | 42.37           | 106          |      | 20         | 130  |
| P3109-08MSD   | H0HC4MSD  | BG061998.D | 1,4-Dioxane-d8                | 8              | 2.97            | 37           |      | 15         | 120  |
|               |           |            | Pyridine-d5                   | 40             | 0.00            | 0            | *    | 20         | 120  |
|               |           |            | Phenol-d5                     | 40             | 8.30            | 21           |      | 10         | 130  |
|               |           |            | Bis(2-Chloroethyl)ether-d8    | 40             | 25.64           | 64           |      | 25         | 120  |
|               |           |            | 2-Chlorophenol-d4             | 40             | 27.16           | 68           |      | 20         | 130  |
|               |           |            | 4-Methylphenol-d8             | 40             | 19.36           | 48           |      | 25         | 125  |
|               |           |            | Nitrobenzene-d5               | 40             | 32.87           | 82           |      | 20         | 125  |
|               |           |            | 2-Nitrophenol-d4              | 40             | 35.20           | 88           |      | 20         | 130  |
|               |           |            | 2,4-Dichlorophenol-d3         | 40             | 35.55           | 89           |      | 20         | 120  |
|               |           |            | 4-Chloroaniline-d4            | 40             | 5.88            | 15           |      | 1          | 146  |
|               |           |            | Dimethylphthalate-d6          | 40             | 35.10           | 88           |      | 25         | 130  |
|               |           |            | Acenaphthylene-d8             | 40             | 34.33           | 86           |      | 10         | 130  |
|               |           |            | 4-Nitrophenol-d4              | 40             | 11.64           | 29           |      | 10         | 150  |



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

## Surrogate Summary

SW-846

SDG No.: BG071024

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

Analytical Method: SFAM\_SVOC

| Lab Sample ID | Client ID | Datafile   | Parameter                     | Spike<br>(PPM) | Result<br>(PPM) | Recovery (%) | Qual | Limits (%) |      |
|---------------|-----------|------------|-------------------------------|----------------|-----------------|--------------|------|------------|------|
|               |           |            |                               |                |                 |              |      | Low        | High |
| P3109-08MSD   | H0HC4MSD  | BG061998.D | Fluorene-d10                  | 40             | 35.35           | 88           |      | 25         | 125  |
|               |           |            | 4,6-Dinitro-2-methylphenol-d2 | 40             | 44.05           | 110          |      | 10         | 130  |
|               |           |            | Anthracene-d10                | 40             | 36.42           | 91           |      | 25         | 130  |
|               |           |            | Pyrene-d10                    | 40             | 36.48           | 91           |      | 15         | 130  |
|               |           |            | Benzo(a)pyrene-d12            | 40             | 39.49           | 99           |      | 20         | 130  |

## Surrogate Summary

SW-846

SDG No.: **BG071024**

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

Analytical Method: **SFAM\_SVOC**

| Lab Sample ID | Client ID | Datafile   | Parameter                     | Spike<br>(PPM) | Result<br>(PPM) | Recovery (%) | Qual | Limits (%) |      |
|---------------|-----------|------------|-------------------------------|----------------|-----------------|--------------|------|------------|------|
|               |           |            |                               |                |                 |              |      | Low        | High |
| P3102-02      | A4CE1     | BG061993.D | 1,4-Dioxane-d8                | 8              | 3.45            | 43           |      | 15         | 120  |
|               |           |            | Pyridine-d5                   | 40             | 1.40            | 3            | *    | 20         | 120  |
|               |           |            | Phenol-d5                     | 40             | 27.35           | 68           |      | 10         | 130  |
|               |           |            | Bis(2-Chloroethyl)ether-d8    | 40             | 24.53           | 61           |      | 10         | 150  |
|               |           |            | 2-Chlorophenol-d4             | 40             | 27.01           | 68           |      | 15         | 120  |
|               |           |            | 4-Methylphenol-d8             | 40             | 26.48           | 66           |      | 10         | 140  |
|               |           |            | Nitrobenzene-d5               | 40             | 27.18           | 68           |      | 10         | 135  |
|               |           |            | 2-Nitrophenol-d4              | 40             | 28.60           | 71           |      | 10         | 120  |
|               |           |            | 2,4-Dichlorophenol-d3         | 40             | 29.35           | 73           |      | 10         | 140  |
|               |           |            | 4-Chloroaniline-d4            | 40             | 6.51            | 16           |      | 1          | 145  |
|               |           |            | Dimethylphthalate-d6          | 40             | 27.56           | 69           |      | 10         | 145  |
|               |           |            | Acenaphthylene-d8             | 40             | 29.17           | 73           |      | 15         | 120  |
|               |           |            | 4-Nitrophenol-d4              | 40             | 24.50           | 61           |      | 10         | 150  |
|               |           |            | Fluorene-d10                  | 40             | 28.44           | 71           |      | 20         | 140  |
|               |           |            | 4,6-Dinitro-2-methylphenol-d2 | 40             | 29.31           | 73           |      | 10         | 130  |
|               |           |            | Anthracene-d10                | 40             | 27.16           | 68           |      | 10         | 150  |
|               |           |            | Pyrene-d10                    | 40             | 24.54           | 61           |      | 10         | 130  |
|               |           |            | Benzo(a)pyrene-d12            | 40             | 19.18           | 48           |      | 10         | 140  |
| P3102-03MS    | A4CE1MS   | BG061994.D | 1,4-Dioxane-d8                | 8              | 3.35            | 42           |      | 15         | 120  |
|               |           |            | Pyridine-d5                   | 40             | 6.82            | 17           | *    | 20         | 120  |
|               |           |            | Phenol-d5                     | 40             | 26.30           | 66           |      | 10         | 130  |
|               |           |            | Bis(2-Chloroethyl)ether-d8    | 40             | 23.46           | 59           |      | 10         | 150  |
|               |           |            | 2-Chlorophenol-d4             | 40             | 27.85           | 70           |      | 15         | 120  |
|               |           |            | 4-Methylphenol-d8             | 40             | 26.57           | 66           |      | 10         | 140  |
|               |           |            | Nitrobenzene-d5               | 40             | 28.08           | 70           |      | 10         | 135  |
|               |           |            | 2-Nitrophenol-d4              | 40             | 29.69           | 74           |      | 10         | 120  |
|               |           |            | 2,4-Dichlorophenol-d3         | 40             | 30.99           | 77           |      | 10         | 140  |
|               |           |            | 4-Chloroaniline-d4            | 40             | 13.60           | 34           |      | 1          | 145  |
|               |           |            | Dimethylphthalate-d6          | 40             | 27.66           | 69           |      | 10         | 145  |
|               |           |            | Acenaphthylene-d8             | 40             | 29.05           | 73           |      | 15         | 120  |
|               |           |            | 4-Nitrophenol-d4              | 40             | 26.87           | 67           |      | 10         | 150  |
|               |           |            | Fluorene-d10                  | 40             | 28.31           | 71           |      | 20         | 140  |
|               |           |            | 4,6-Dinitro-2-methylphenol-d2 | 40             | 34.15           | 85           |      | 10         | 130  |
|               |           |            | Anthracene-d10                | 40             | 28.08           | 70           |      | 10         | 150  |
|               |           |            | Pyrene-d10                    | 40             | 25.47           | 64           |      | 10         | 130  |
|               |           |            | Benzo(a)pyrene-d12            | 40             | 20.17           | 50           |      | 10         | 140  |
| P3102-04MSD   | A4CE1MSD  | BG061995.D | 1,4-Dioxane-d8                | 8              | 3.76            | 47           |      | 15         | 120  |
|               |           |            | Pyridine-d5                   | 40             | 6.50            | 16           | *    | 20         | 120  |
|               |           |            | Phenol-d5                     | 40             | 26.39           | 66           |      | 10         | 130  |
|               |           |            | Bis(2-Chloroethyl)ether-d8    | 40             | 23.23           | 58           |      | 10         | 150  |
|               |           |            | 2-Chlorophenol-d4             | 40             | 26.90           | 67           |      | 15         | 120  |
|               |           |            | 4-Methylphenol-d8             | 40             | 25.29           | 63           |      | 10         | 140  |
|               |           |            | Nitrobenzene-d5               | 40             | 28.99           | 72           |      | 10         | 135  |
|               |           |            | 2-Nitrophenol-d4              | 40             | 30.99           | 77           |      | 10         | 120  |
|               |           |            | 2,4-Dichlorophenol-d3         | 40             | 31.90           | 80           |      | 10         | 140  |
|               |           |            | 4-Chloroaniline-d4            | 40             | 15.05           | 38           |      | 1          | 145  |
|               |           |            | Dimethylphthalate-d6          | 40             | 27.63           | 69           |      | 10         | 145  |
|               |           |            | Acenaphthylene-d8             | 40             | 28.88           | 72           |      | 15         | 120  |
|               |           |            | 4-Nitrophenol-d4              | 40             | 26.68           | 67           |      | 10         | 150  |

## Surrogate Summary

SW-846

SDG No.: BG071024

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

Analytical Method: SFAM\_SVOC

| Lab Sample ID | Client ID  | Datafile   | Parameter                     | Spike<br>(PPM) | Result<br>(PPM) | Recovery (%) | Qual | Limits (%) |      |
|---------------|------------|------------|-------------------------------|----------------|-----------------|--------------|------|------------|------|
|               |            |            |                               |                |                 |              |      | Low        | High |
| P3102-04MSD   | A4CE1MSD   | BG061995.D | Fluorene-d10                  | 40             | 28.05           | 70           |      | 20         | 140  |
|               |            |            | 4,6-Dinitro-2-methylphenol-d2 | 40             | 33.12           | 83           |      | 10         | 130  |
|               |            |            | Anthracene-d10                | 40             | 28.66           | 72           |      | 10         | 150  |
|               |            |            | Pyrene-d10                    | 40             | 26.21           | 66           |      | 10         | 130  |
|               |            |            | Benzo(a)pyrene-d12            | 40             | 19.66           | 49           |      | 10         | 140  |
| PB161916BL    | PB161916BL | BG061992.D | Pyridine-d5                   | 40             | 20.03           | 50           |      | 20         | 120  |
|               |            |            | 1,4-Dioxane-d8                | 8              | 3.78            | 47           |      | 15         | 120  |
|               |            |            | Phenol-d5                     | 40             | 22.11           | 55           |      | 10         | 130  |
|               |            |            | Bis(2-Chloroethyl)ether-d8    | 40             | 21.38           | 53           |      | 10         | 150  |
|               |            |            | 2-Chlorophenol-d4             | 40             | 22.95           | 57           |      | 15         | 120  |
|               |            |            | 4-Methylphenol-d8             | 40             | 22.14           | 55           |      | 10         | 140  |
|               |            |            | Nitrobenzene-d5               | 40             | 23.17           | 58           |      | 10         | 135  |
|               |            |            | 2-Nitrophenol-d4              | 40             | 24.27           | 61           |      | 10         | 120  |
|               |            |            | 2,4-Dichlorophenol-d3         | 40             | 24.40           | 61           |      | 10         | 140  |
|               |            |            | 4-Chloroaniline-d4            | 40             | 18.96           | 47           |      | 1          | 145  |
|               |            |            | Dimethylphthalate-d6          | 40             | 23.04           | 58           |      | 10         | 145  |
|               |            |            | Acenaphthylene-d8             | 40             | 23.89           | 60           |      | 15         | 120  |
|               |            |            | 4-Nitrophenol-d4              | 40             | 21.32           | 53           |      | 10         | 150  |
|               |            |            | Fluorene-d10                  | 40             | 24.14           | 60           |      | 20         | 140  |
|               |            |            | 4,6-Dinitro-2-methylphenol-d2 | 40             | 24.33           | 61           |      | 10         | 130  |
|               |            |            | Anthracene-d10                | 40             | 24.60           | 62           |      | 10         | 150  |
|               |            |            | Pyrene-d10                    | 40             | 24.41           | 61           |      | 10         | 130  |
|               |            |            | Benzo(a)pyrene-d12            | 40             | 24.91           | 62           |      | 10         | 140  |
| PB161916BS    | PB161916BS | BG062003.D | 1,4-Dioxane-d8                | 8              | 5.45            | 68           |      | 15         | 120  |
|               |            |            | Pyridine-d5                   | 40             | 23.76           | 59           |      | 20         | 120  |
|               |            |            | Phenol-d5                     | 40             | 29.97           | 75           |      | 10         | 130  |
|               |            |            | Bis(2-Chloroethyl)ether-d8    | 40             | 27.62           | 69           |      | 10         | 150  |
|               |            |            | 2-Chlorophenol-d4             | 40             | 30.48           | 76           |      | 15         | 120  |
|               |            |            | 4-Methylphenol-d8             | 40             | 29.03           | 73           |      | 10         | 140  |
|               |            |            | Nitrobenzene-d5               | 40             | 32.72           | 82           |      | 10         | 135  |
|               |            |            | 2-Nitrophenol-d4              | 40             | 33.79           | 84           |      | 10         | 120  |
|               |            |            | 2,4-Dichlorophenol-d3         | 40             | 34.23           | 86           |      | 10         | 140  |
|               |            |            | 4-Chloroaniline-d4            | 40             | 25.85           | 65           |      | 1          | 145  |
|               |            |            | Dimethylphthalate-d6          | 40             | 31.16           | 78           |      | 10         | 145  |
|               |            |            | Acenaphthylene-d8             | 40             | 33.21           | 83           |      | 15         | 120  |
|               |            |            | 4-Nitrophenol-d4              | 40             | 30.60           | 77           |      | 10         | 150  |
|               |            |            | Fluorene-d10                  | 40             | 32.34           | 81           |      | 20         | 140  |
|               |            |            | 4,6-Dinitro-2-methylphenol-d2 | 40             | 36.09           | 90           |      | 10         | 130  |
|               |            |            | Anthracene-d10                | 40             | 31.10           | 78           |      | 10         | 150  |
|               |            |            | Pyrene-d10                    | 40             | 31.78           | 79           |      | 10         | 130  |
|               |            |            | Benzo(a)pyrene-d12            | 40             | 33.70           | 84           |      | 10         | 140  |

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK  
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: BG071024

Lab Code: CHEM

SAS No.: BG071024 SDG NO.: BG071024

Lab File ID: BG061990.D

DFTPP Injection Date: 07/10/2024

Instrument ID: BNA\_G

DFTPP Injection Time: 08:59

| m/e | ION ABUNDANCE CRITERIA             | % RELATIVE ABUNDANCE |
|-----|------------------------------------|----------------------|
| 51  | 10.0 - 80.0% of mass 198           | 50.7                 |
| 68  | Less than 2.0% of mass 69          | 0.6 ( 1.4 ) 1        |
| 69  | Mass 69 relative abundance         | 41.5                 |
| 70  | Less than 2.0% of mass 69          | 0.2 ( 0.4 ) 1        |
| 127 | 10.0 - 80.0% of mass 198           | 44.9                 |
| 197 | Less than 2.0% of mass 198         | 0.5                  |
| 198 | Base Peak, 100% relative abundance | 100                  |
| 199 | 5.0 to 9.0% of mass 198            | 6.5                  |
| 275 | 10.0 - 60.0% of mass 198           | 30.4                 |
| 365 | Greater than 1% of mass 198        | 5.6                  |
| 441 | Present, but less than mass 443    | 15.9                 |
| 442 | Greater than 50% of mass 198       | 91.3                 |
| 443 | 15.0 - 24.0% of mass 442           | 18.1 ( 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 |
|-------------------|------------------|----------------|------------------|------------------|
| SSTD020564        | SSTDCCC020       | BG061991.D     | 07/10/2024       | 09:39            |
| SBLK916           | PB161916BL       | BG061992.D     | 07/10/2024       | 10:25            |
| A4CE1             | P3102-02         | BG061993.D     | 07/10/2024       | 11:08            |
| A4CE1MS           | P3102-03MS       | BG061994.D     | 07/10/2024       | 11:49            |
| A4CE1MSD          | P3102-04MSD      | BG061995.D     | 07/10/2024       | 12:31            |
| H0HC4             | P3109-06         | BG061996.D     | 07/10/2024       | 13:12            |
| H0HC4MS           | P3109-07MS       | BG061997.D     | 07/10/2024       | 13:54            |
| H0HC4MSD          | P3109-08MSD      | BG061998.D     | 07/10/2024       | 14:34            |
| SP6561            | SP6561           | BG061999.D     | 07/10/2024       | 15:15            |
| A4CX4             | P3035-08         | BG062000.D     | 07/10/2024       | 15:56            |
| A4CX7             | P3035-09         | BG062001.D     | 07/10/2024       | 16:37            |
| C0SW0             | P3108-04         | BG062002.D     | 07/10/2024       | 17:18            |
| SLCS916           | PB161916BS       | BG062003.D     | 07/10/2024       | 17:59            |
| SSTD020565        | SSTDCCC020EC     | BG062004.D     | 07/10/2024       | 18:40            |