

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

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

Lab Code: CHEM Case No.: BN082224 SAS No.: BN082224 SDG No.: BN082224

Instrument ID: BNA\_N Calibration Date/Time: 8/22/2024 1:09:52

Lab File ID: BN033544.D Init. Calib. Date(s): \_\_\_\_\_

EPA Sample No.: SSTDCCC0.4 Init. Calib. Time(s): \_\_\_\_\_

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

| COMPOUND                   | RRF   | RRF0.4 | MIN RRF | %D      | MAX%D |
|----------------------------|-------|--------|---------|---------|-------|
| 2-Methylnaphthalene-d10    | 0.572 | 0.537  |         | -6.119  | 20.0  |
| Fluoranthene-d10           | 0.961 | 0.909  |         | -5.411  | 20.0  |
| n-Nitrosodimethylamine     | 0.535 | 0.457  |         | -14.579 | 20.0  |
| 2-Fluorophenol             | 1.271 | 1.094  |         | -13.926 | 20.0  |
| Phenol-d6                  | 1.512 | 1.363  |         | -9.854  | 20.0  |
| bis(2-Chloroethyl) ether   | 1.072 | 1.032  |         | -3.731  | 20.0  |
| Nitrobenzene-d5            | 0.332 | 0.296  |         | -10.843 | 20.0  |
| Naphthalene                | 1.069 | 0.993  |         | -7.109  | 20.0  |
| Hexachlorobutadiene        | 0.213 | 0.196  |         | -7.981  | 20.0  |
| 2-Methylnaphthalene        | 0.677 | 0.629  |         | -7.09   | 20.0  |
| 2-Fluorobiphenyl           | 1.634 | 1.510  |         | -7.589  | 20.0  |
| Acenaphthylene             | 1.754 | 1.556  |         | -11.288 | 20.0  |
| Acenaphthene               | 1.234 | 1.116  |         | -9.562  | 20.0  |
| Fluorene                   | 1.555 | 1.425  |         | -8.36   | 20.0  |
| 4,6-Dinitro-2-methylphenol | 0.062 | 0.053  |         | -14.516 | 20.0  |
| 2,4,6-Tribromophenol       | 0.215 | 0.200  |         | -6.977  | 20.0  |
| 4-Bromophenyl-phenylether  | 0.243 | 0.217  |         | -10.7   | 20.0  |
| Hexachlorobenzene          | 0.268 | 0.247  |         | -7.836  | 20.0  |
| Atrazine                   | 0.194 | 0.177  |         | -8.763  | 20.0  |
| Pentachlorophenol          | 0.116 | 0.107  |         | -7.759  | 20.0  |
| Phenanthrene               | 1.113 | 1.037  |         | -6.828  | 20.0  |
| Anthracene                 | 0.985 | 0.890  |         | -9.645  | 20.0  |
| Fluoranthene               | 1.230 | 1.157  |         | -5.935  | 20.0  |
| Pyrene                     | 1.785 | 1.734  |         | -2.857  | 20.0  |
| Terphenyl-d14              | 0.909 | 0.882  |         | -2.97   | 20.0  |
| Benzo(a)anthracene         | 1.446 | 1.355  |         | -6.293  | 20.0  |
| Chrysene                   | 1.437 | 1.363  |         | -5.15   | 20.0  |
| Bis(2-ethylhexyl)phthalate | 0.915 | 0.890  |         | -2.732  | 20.0  |
| Benzo(b)fluoranthene       | 1.494 | 1.454  |         | -2.677  | 20.0  |
| Benzo(k)fluoranthene       | 1.470 | 1.402  |         | -4.626  | 20.0  |
| Benzo(a)pyrene             | 1.236 | 1.138  |         | -7.929  | 20.0  |
| Indeno(1,2,3-cd)pyrene     | 1.661 | 1.421  |         | -14.449 | 20.0  |
| Dibenzo(a,h)anthracene     | 1.328 | 1.124  |         | -15.361 | 20.0  |
| Benzo(g,h,i)perylene       | 1.420 | 1.222  |         | -13.944 | 20.0  |
| 1,4-Dioxane                | 0.460 | 0.426  |         | -7.391  | 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.: BN082224 SAS No.: BN082224 SDG No.: BN082224

Instrument ID: BNA\_N Calibration Date/Time: 8/22/2024 1: 20:08

Lab File ID: BN033561.D Init. Calib. Date(s): \_\_\_\_\_

EPA Sample No.: SSTDCCC0.4EC Init. Calib. Time(s): \_\_\_\_\_

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

| COMPOUND                   | RRF   | RRF0.4 | MIN RRF | %D      | MAX%D |
|----------------------------|-------|--------|---------|---------|-------|
| 2-Methylnaphthalene-d10    | 0.572 | 0.501  |         | -12.413 | 50.0  |
| Fluoranthene-d10           | 0.961 | 0.918  |         | -4.475  | 50.0  |
| n-Nitrosodimethylamine     | 0.535 | 0.437  |         | -18.318 | 50.0  |
| 2-Fluorophenol             | 1.271 | 1.087  |         | -14.477 | 50.0  |
| Phenol-d6                  | 1.512 | 1.316  |         | -12.963 | 50.0  |
| bis(2-Chloroethyl) ether   | 1.072 | 1.009  |         | -5.877  | 50.0  |
| Nitrobenzene-d5            | 0.332 | 0.295  |         | -11.145 | 50.0  |
| Naphthalene                | 1.069 | 0.971  |         | -9.167  | 50.0  |
| Hexachlorobutadiene        | 0.213 | 0.198  |         | -7.042  | 50.0  |
| 2-Methylnaphthalene        | 0.677 | 0.584  |         | -13.737 | 50.0  |
| 2-Fluorobiphenyl           | 1.634 | 1.592  |         | -2.57   | 50.0  |
| Acenaphthylene             | 1.754 | 1.570  |         | -10.49  | 50.0  |
| Acenaphthene               | 1.234 | 1.084  |         | -12.156 | 50.0  |
| Fluorene                   | 1.555 | 1.311  |         | -15.691 | 50.0  |
| 4,6-Dinitro-2-methylphenol | 0.062 | 0.032  |         | -48.387 | 50.0  |
| 2,4,6-Tribromophenol       | 0.215 | 0.176  |         | -18.14  | 50.0  |
| 4-Bromophenyl-phenylether  | 0.243 | 0.223  |         | -8.23   | 50.0  |
| Hexachlorobenzene          | 0.268 | 0.254  |         | -5.224  | 50.0  |
| Atrazine                   | 0.194 | 0.170  |         | -12.371 | 50.0  |
| Pentachlorophenol          | 0.116 | 0.101  |         | -12.931 | 50.0  |
| Phenanthrene               | 1.113 | 1.032  |         | -7.278  | 50.0  |
| Anthracene                 | 0.985 | 0.888  |         | -9.848  | 50.0  |
| Fluoranthene               | 1.230 | 1.164  |         | -5.366  | 50.0  |
| Pyrene                     | 1.785 | 1.476  |         | -17.311 | 50.0  |
| Terphenyl-d14              | 0.909 | 0.753  |         | -17.162 | 50.0  |
| Benzo(a)anthracene         | 1.446 | 1.348  |         | -6.777  | 50.0  |
| Chrysene                   | 1.437 | 1.345  |         | -6.402  | 50.0  |
| Bis(2-ethylhexyl)phthalate | 0.915 | 0.789  |         | -13.77  | 50.0  |
| Benzo(b)fluoranthene       | 1.494 | 1.344  |         | -10.04  | 50.0  |
| Benzo(k)fluoranthene       | 1.470 | 1.299  |         | -11.633 | 50.0  |
| Benzo(a)pyrene             | 1.236 | 1.132  |         | -8.414  | 50.0  |
| Indeno(1,2,3-cd)pyrene     | 1.661 | 1.550  |         | -6.683  | 50.0  |
| Dibenzo(a,h)anthracene     | 1.328 | 1.218  |         | -8.283  | 50.0  |
| Benzo(g,h,i)perylene       | 1.420 | 1.309  |         | -7.817  | 50.0  |
| 1,4-Dioxane                | 0.460 | 0.412  |         | -10.435 | 50.0  |

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.: BN082224 SAS No.: BN082224 SDG No.: BN082224

Instrument ID: BNA\_N Calibration Date/Time: 8/22/2024 1: 22:03

Lab File ID: BN033563.D Init. Calib. Date(s): \_\_\_\_\_

EPA Sample No.: SSTDCCC0.4 Init. Calib. Time(s): \_\_\_\_\_

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

| COMPOUND                   | RRF   | RRF0.4 | MIN<br>RRF | %D      | MAX%D |
|----------------------------|-------|--------|------------|---------|-------|
| 2-Methylnaphthalene-d10    | 0.572 | 0.518  |            | -9.441  | 20.0  |
| Fluoranthene-d10           | 0.961 | 0.853  |            | -11.238 | 20.0  |
| n-Nitrosodimethylamine     | 0.535 | 0.466  |            | -12.897 | 20.0  |
| 2-Fluorophenol             | 1.271 | 1.055  |            | -16.994 | 20.0  |
| Phenol-d6                  | 1.512 | 1.314  |            | -13.095 | 20.0  |
| bis(2-Chloroethyl) ether   | 1.072 | 1.024  |            | -4.478  | 20.0  |
| Nitrobenzene-d5            | 0.332 | 0.295  |            | -11.145 | 20.0  |
| Naphthalene                | 1.069 | 0.983  |            | -8.045  | 20.0  |
| Hexachlorobutadiene        | 0.213 | 0.200  |            | -6.103  | 20.0  |
| 2-Methylnaphthalene        | 0.677 | 0.607  |            | -10.34  | 20.0  |
| 2-Fluorobiphenyl           | 1.634 | 1.564  |            | -4.284  | 20.0  |
| Acenaphthylene             | 1.754 | 1.565  |            | -10.775 | 20.0  |
| Acenaphthene               | 1.234 | 1.089  |            | -11.75  | 20.0  |
| Fluorene                   | 1.555 | 1.342  |            | -13.698 | 20.0  |
| 4,6-Dinitro-2-methylphenol | 0.062 | 0.033  |            | -46.774 | 20.0  |
| 2,4,6-Tribromophenol       | 0.215 | 0.172  |            | -20.0   | 20.0  |
| 4-Bromophenyl-phenylether  | 0.243 | 0.227  |            | -6.584  | 20.0  |
| Hexachlorobenzene          | 0.268 | 0.257  |            | -4.104  | 20.0  |
| Atrazine                   | 0.194 | 0.170  |            | -12.371 | 20.0  |
| Pentachlorophenol          | 0.116 | 0.096  |            | -17.241 | 20.0  |
| Phenanthrene               | 1.113 | 1.033  |            | -7.188  | 20.0  |
| Anthracene                 | 0.985 | 0.877  |            | -10.964 | 20.0  |
| Fluoranthene               | 1.230 | 1.087  |            | -11.626 | 20.0  |
| Pyrene                     | 1.785 | 1.554  |            | -12.941 | 20.0  |
| Terphenyl-d14              | 0.909 | 0.787  |            | -13.421 | 20.0  |
| Benzo(a) anthracene        | 1.446 | 1.328  |            | -8.16   | 20.0  |
| Chrysene                   | 1.437 | 1.346  |            | -6.333  | 20.0  |
| Bis(2-ethylhexyl)phthalate | 0.915 | 0.788  |            | -13.88  | 20.0  |
| Benzo(b) fluoranthene      | 1.494 | 1.368  |            | -8.434  | 20.0  |
| Benzo(k) fluoranthene      | 1.470 | 1.350  |            | -8.163  | 20.0  |
| Benzo(a) pyrene            | 1.236 | 1.131  |            | -8.495  | 20.0  |
| Indeno(1,2,3-cd)pyrene     | 1.661 | 1.555  |            | -6.382  | 20.0  |
| Dibenzo(a,h)anthracene     | 1.328 | 1.231  |            | -7.304  | 20.0  |
| Benzo(g,h,i)perylene       | 1.420 | 1.328  |            | -6.479  | 20.0  |
| 1,4-Dioxane                | 0.460 | 0.403  |            | -12.391 | 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.: BN082224 SAS No.: BN082224 SDG No.: BN082224

Instrument ID: BNA\_N Calibration Date/Time: 8/23/2024 1:08:18

Lab File ID: BN033580.D Init. Calib. Date(s): \_\_\_\_\_

EPA Sample No.: SSTDCCC0.4EC Init. Calib. Time(s): \_\_\_\_\_

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

| COMPOUND                   | RRF   | RRF0.4 | MIN RRF | %D      | MAX%D |
|----------------------------|-------|--------|---------|---------|-------|
| 2-Methylnaphthalene-d10    | 0.572 | 0.529  |         | -7.517  | 50.0  |
| Fluoranthene-d10           | 0.961 | 0.982  |         | 2.185   | 50.0  |
| n-Nitrosodimethylamine     | 0.535 | 0.425  |         | -20.561 | 50.0  |
| 2-Fluorophenol             | 1.271 | 1.144  |         | -9.992  | 50.0  |
| Phenol-d6                  | 1.512 | 1.396  |         | -7.672  | 50.0  |
| bis(2-Chloroethyl) ether   | 1.072 | 1.008  |         | -5.97   | 50.0  |
| Nitrobenzene-d5            | 0.332 | 0.308  |         | -7.229  | 50.0  |
| Naphthalene                | 1.069 | 0.973  |         | -8.98   | 50.0  |
| Hexachlorobutadiene        | 0.213 | 0.199  |         | -6.573  | 50.0  |
| 2-Methylnaphthalene        | 0.677 | 0.607  |         | -10.34  | 50.0  |
| 2-Fluorobiphenyl           | 1.634 | 1.484  |         | -9.18   | 50.0  |
| Acenaphthylene             | 1.754 | 1.585  |         | -9.635  | 50.0  |
| Acenaphthene               | 1.234 | 1.069  |         | -13.371 | 50.0  |
| Fluorene                   | 1.555 | 1.340  |         | -13.826 | 50.0  |
| 4,6-Dinitro-2-methylphenol | 0.062 | 0.022  |         | -64.516 | 50.0  |
| 2,4,6-Tribromophenol       | 0.215 | 0.211  |         | -1.86   | 50.0  |
| 4-Bromophenyl-phenylether  | 0.243 | 0.206  |         | -15.226 | 50.0  |
| Hexachlorobenzene          | 0.268 | 0.242  |         | -9.701  | 50.0  |
| Atrazine                   | 0.194 | 0.175  |         | -9.794  | 50.0  |
| Pentachlorophenol          | 0.116 | 0.117  |         | 0.862   | 50.0  |
| Phenanthrene               | 1.113 | 1.011  |         | -9.164  | 50.0  |
| Anthracene                 | 0.985 | 0.908  |         | -7.817  | 50.0  |
| Fluoranthene               | 1.230 | 1.219  |         | -0.894  | 50.0  |
| Pyrene                     | 1.785 | 1.455  |         | -18.487 | 50.0  |
| Terphenyl-d14              | 0.909 | 0.764  |         | -15.952 | 50.0  |
| Benzo(a)anthracene         | 1.446 | 1.378  |         | -4.703  | 50.0  |
| Chrysene                   | 1.437 | 1.320  |         | -8.142  | 50.0  |
| Bis(2-ethylhexyl)phthalate | 0.915 | 0.931  |         | 1.749   | 50.0  |
| Benzo(b)fluoranthene       | 1.494 | 1.281  |         | -14.257 | 50.0  |
| Benzo(k)fluoranthene       | 1.470 | 1.266  |         | -13.878 | 50.0  |
| Benzo(a)pyrene             | 1.236 | 1.128  |         | -8.738  | 50.0  |
| Indeno(1,2,3-cd)pyrene     | 1.661 | 1.448  |         | -12.824 | 50.0  |
| Dibenzo(a,h)anthracene     | 1.328 | 1.149  |         | -13.479 | 50.0  |
| Benzo(g,h,i)perylene       | 1.420 | 1.221  |         | -14.014 | 50.0  |
| 1,4-Dioxane                | 0.460 | 0.420  |         | -8.696  | 50.0  |

All other compounds must meet a minimum RRF of 0.010.

## Report of Analysis

|                    |                        |                 |                       |
|--------------------|------------------------|-----------------|-----------------------|
| Client:            |                        | Date Collected: | 8/19/2024 12:00:00 AM |
| Project:           |                        | Date Received:  | 8/19/2024 12:00:00 AM |
| Client Sample ID:  | PB162844BL             | SDG No.:        | BN082224              |
| Lab Sample ID:     | PB162844BL             | Matrix:         | Solid                 |
| Analytical Method: | 8270-Modified          | % Moisture:     | 0                     |
| Sample Wt/Vol:     | 30.01      Units:    g | Final Vol:      | 1000              uL  |
| Soil Aliquot Vol:  | uL                     | Test:           |                       |
| Extraction Type :  | Decanted :             | Level :         | LOW                   |
| Injection Volume : | GPC Factor :           | GPC Cleanup :   | PH :                  |

|                   |           |                       |                       |               |
|-------------------|-----------|-----------------------|-----------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date             | Date Analyzed         | Prep Batch ID |
| BN033545.D        | 1         | 8/19/2024 12:00:00 AM | 8/22/2024 12:00:00 AM | PB162844      |

| CAS Number     | Parameter                  | Conc. | Qualifier | MDL   | LOD | LOQ / CRQL | Units |
|----------------|----------------------------|-------|-----------|-------|-----|------------|-------|
| <b>TARGETS</b> |                            |       |           |       |     |            |       |
| 62-75-9        | n-Nitrosodimethylamine     | 1.3   | U         | 1.3   | 6.6 | 6.6        | ug/Kg |
| 111-44-4       | bis(2-Chloroethyl)ether    | 0.85  | U         | 0.85  | 3.3 | 3.3        | ug/Kg |
| 91-20-3        | Naphthalene                | 0.69  | U         | 0.69  | 3.3 | 3.3        | ug/Kg |
| 87-68-3        | Hexachlorobutadiene        | 0.69  | U         | 0.69  | 3.3 | 3.3        | ug/Kg |
| 91-57-6        | 2-Methylnaphthalene        | 0.8   | U         | 0.8   | 3.3 | 3.3        | ug/Kg |
| 208-96-8       | Acenaphthylene             | 0.63  | U         | 0.63  | 3.3 | 3.3        | ug/Kg |
| 83-32-9        | Acenaphthene               | 0.55  | U         | 0.55  | 3.3 | 3.3        | ug/Kg |
| Total PAH      | Total PAH                  | 14.61 | U         | 14.61 | 3.3 | 52.8       | ug/Kg |
| 86-73-7        | Fluorene                   | 0.6   | U         | 0.6   | 3.3 | 3.3        | ug/Kg |
| 534-52-1       | 4,6-Dinitro-2-methylphenol | 4.2   | U         | 4.2   | 6.6 | 6.6        | ug/Kg |
| 101-55-3       | 4-Bromophenyl-phenylether  | 0.79  | U         | 0.79  | 3.3 | 3.3        | ug/Kg |
| 118-74-1       | Hexachlorobenzene          | 0.85  | U         | 0.85  | 3.3 | 3.3        | ug/Kg |
| 1912-24-9      | Atrazine                   | 0.76  | U         | 0.76  | 3.3 | 3.3        | ug/Kg |
| 87-86-5        | Pentachlorophenol          | 2.8   | U         | 2.8   | 6.6 | 6.6        | ug/Kg |
| 85-01-8        | Phenanthrene               | 0.63  | U         | 0.63  | 3.3 | 3.3        | ug/Kg |
| 120-12-7       | Anthracene                 | 0.79  | U         | 0.79  | 3.3 | 3.3        | ug/Kg |
| 206-44-0       | Fluoranthene               | 0.67  | U         | 0.67  | 3.3 | 3.3        | ug/Kg |
| 129-00-0       | Pyrene                     | 0.95  | U         | 0.95  | 3.3 | 3.3        | ug/Kg |
| 56-55-3        | Benzo(a)anthracene         | 0.76  | U         | 0.76  | 3.3 | 3.3        | ug/Kg |
| 218-01-9       | Chrysene                   | 0.86  | U         | 0.86  | 3.3 | 3.3        | ug/Kg |
| 117-81-7       | Bis(2-ethylhexyl)phthalate | 1.5   | U         | 1.5   | 6.6 | 6.6        | ug/Kg |
| 205-99-2       | Benzo(b)fluoranthene       | 1.2   | U         | 1.2   | 3.3 | 3.3        | ug/Kg |
| 207-08-9       | Benzo(k)fluoranthene       | 0.98  | U         | 0.98  | 3.3 | 3.3        | ug/Kg |
| 50-32-8        | Benzo(a)pyrene             | 1.7   | U         | 1.7   | 3.3 | 3.3        | ug/Kg |
| 193-39-5       | Indeno(1,2,3-cd)pyrene     | 1.3   | U         | 1.3   | 3.3 | 3.3        | ug/Kg |
| 53-70-3        | Dibenzo(a,h)anthracene     | 1.2   | U         | 1.2   | 3.3 | 3.3        | ug/Kg |
| 191-24-2       | Benzo(g,h,i)perylene       | 1.1   | U         | 1.1   | 3.3 | 3.3        | ug/Kg |
| 123-91-1       | 1,4-Dioxane                | 2.2   | U         | 2.2   | 6.6 | 6.6        | ug/Kg |

## Report of Analysis

|                    |                     |                 |                       |
|--------------------|---------------------|-----------------|-----------------------|
| Client:            |                     | Date Collected: | 8/19/2024 12:00:00 AM |
| Project:           |                     | Date Received:  | 8/19/2024 12:00:00 AM |
| Client Sample ID:  | PB162844BL          | SDG No.:        | BN082224              |
| Lab Sample ID:     | PB162844BL          | Matrix:         | Solid                 |
| Analytical Method: | 8270-Modified       | % Moisture:     | 0                     |
| Sample Wt/Vol:     | 30.01      Units: g | Final Vol:      | 1000      uL          |
| Soil Aliquot Vol:  | uL                  | Test:           |                       |
| Extraction Type :  | Decanted :          | Level :         | LOW                   |
| Injection Volume : | GPC Factor :        | GPC Cleanup :   | PH :                  |

|                   |           |                       |                       |               |
|-------------------|-----------|-----------------------|-----------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date             | Date Analyzed         | Prep Batch ID |
| BN033545.D        | 1         | 8/19/2024 12:00:00 AM | 8/22/2024 12:00:00 AM | PB162844      |

| CAS Number                | Parameter               | Conc. | Qualifier | MDL    | LOD | LOQ / CRQL | Units     |
|---------------------------|-------------------------|-------|-----------|--------|-----|------------|-----------|
| <b>SURROGATES</b>         |                         |       |           |        |     |            |           |
| 7297-45-2                 | 2-Methylnaphthalene-d10 | 0.379 |           | 17-161 |     | 95         | SPK: -0.4 |
| 93951-69-0                | Fluoranthene-d10        | 0.374 |           | 23-138 |     | 94         | SPK: -0.4 |
| 367-12-4                  | 2-Fluorophenol          | 0.335 |           | 28-122 |     | 84         | SPK: -0.4 |
| 13127-88-3                | Phenol-d6               | 0.329 |           | 25-125 |     | 82         | SPK: -0.4 |
| 4165-60-0                 | Nitrobenzene-d5         | 0.381 |           | 33-121 |     | 95         | SPK: -0.4 |
| 321-60-8                  | 2-Fluorobiphenyl        | 0.406 |           | 32-121 |     | 101        | SPK: -0.4 |
| 118-79-6                  | 2,4,6-Tribromophenol    | 0.312 |           | 19-110 |     | 78         | SPK: -0.4 |
| 1718-51-0                 | Terphenyl-d14           | 0.422 |           | 21-130 |     | 105        | SPK: -0.4 |
| <b>INTERNAL STANDARDS</b> |                         |       |           |        |     |            |           |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4  | 7475  | 7.545     |        |     |            |           |
| 1146-65-2                 | Naphthalene-d8          | 18993 | 10.304    |        |     |            |           |
| 15067-26-2                | Acenaphthene-d10        | 8922  | 14.178    |        |     |            |           |
| 1517-22-2                 | Phenanthrene-d10        | 17406 | 16.929    |        |     |            |           |
| 1719-03-5                 | Chrysene-d12            | 11087 | 21.139    |        |     |            |           |
| 1520-96-3                 | Perylene-d12            | 11524 | 23.309    |        |     |            |           |

## Report of Analysis

|                    |                        |                 |                       |
|--------------------|------------------------|-----------------|-----------------------|
| Client:            |                        | Date Collected: | 8/13/2024 12:00:00 AM |
| Project:           |                        | Date Received:  | 8/13/2024 12:00:00 AM |
| Client Sample ID:  | TT189D2-HYD-20240813RE | SDG No.:        | BN082224              |
| Lab Sample ID:     | P3623-02RE             | Matrix:         | Water                 |
| Analytical Method: | 8270-Modified          | % Moisture:     | 100                   |
| Sample Wt/Vol:     | 990 Units: mL          | Final Vol:      | 1000 uL               |
| Soil Aliquot Vol:  | uL                     | Test:           |                       |
| Extraction Type :  | Decanted :             | Level :         | LOW                   |
| Injection Volume : | GPC Factor :           | GPC Cleanup :   | PH :                  |

|                   |           |                       |                       |               |
|-------------------|-----------|-----------------------|-----------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date             | Date Analyzed         | Prep Batch ID |
| BN033546.D        | 1         | 8/16/2024 12:00:00 AM | 8/22/2024 12:00:00 AM | PB162787      |

| CAS Number     | Parameter                  | Conc. | Qualifier | MDL  | LOD | LOQ / CRQL | Units |
|----------------|----------------------------|-------|-----------|------|-----|------------|-------|
| <b>TARGETS</b> |                            |       |           |      |     |            |       |
| 62-75-9        | n-Nitrosodimethylamine     | 0.03  | U         | 0.03 | 0.2 | 0.2        | ug/L  |
| 111-44-4       | bis(2-Chloroethyl)ether    | 0.03  | U         | 0.03 | 0.1 | 0.1        | ug/L  |
| 91-20-3        | Naphthalene                | 0.02  | U         | 0.02 | 0.1 | 0.1        | ug/L  |
| 87-68-3        | Hexachlorobutadiene        | 0.03  | U         | 0.03 | 0.1 | 0.1        | ug/L  |
| 91-57-6        | 2-Methylnaphthalene        | 0.03  | U         | 0.03 | 0.1 | 0.1        | ug/L  |
| 208-96-8       | Acenaphthylene             | 0.02  | U         | 0.02 | 0.1 | 0.1        | ug/L  |
| 83-32-9        | Acenaphthene               | 0.02  | U         | 0.02 | 0.1 | 0.1        | ug/L  |
| Total PAH      | Total PAH                  | 0.45  | U         | 0.45 | 0.1 | 1.6        | ug/L  |
| 86-73-7        | Fluorene                   | 0.02  | U         | 0.02 | 0.1 | 0.1        | ug/L  |
| 534-52-1       | 4,6-Dinitro-2-methylphenol | 0.14  | U         | 0.14 | 0.2 | 0.2        | ug/L  |
| 101-55-3       | 4-Bromophenyl-phenylether  | 0.03  | U         | 0.03 | 0.1 | 0.1        | ug/L  |
| 118-74-1       | Hexachlorobenzene          | 0.03  | U         | 0.03 | 0.1 | 0.1        | ug/L  |
| 1912-24-9      | Atrazine                   | 0.02  | U         | 0.02 | 0.1 | 0.1        | ug/L  |
| 87-86-5        | Pentachlorophenol          | 0.09  | U         | 0.09 | 0.2 | 0.2        | ug/L  |
| 85-01-8        | Phenanthrene               | 0.02  | U         | 0.02 | 0.1 | 0.1        | ug/L  |
| 120-12-7       | Anthracene                 | 0.02  | U         | 0.02 | 0.1 | 0.1        | ug/L  |
| 206-44-0       | Fluoranthene               | 0.02  | U         | 0.02 | 0.1 | 0.1        | ug/L  |
| 129-00-0       | Pyrene                     | 0.02  | U         | 0.02 | 0.1 | 0.1        | ug/L  |
| 56-55-3        | Benzo(a)anthracene         | 0.02  | U         | 0.02 | 0.1 | 0.1        | ug/L  |
| 218-01-9       | Chrysene                   | 0.03  | U         | 0.03 | 0.1 | 0.1        | ug/L  |
| 117-81-7       | Bis(2-ethylhexyl)phthalate | 0.14  | U         | 0.14 | 0.2 | 0.2        | ug/L  |
| 205-99-2       | Benzo(b)fluoranthene       | 0.03  | U         | 0.03 | 0.1 | 0.1        | ug/L  |
| 207-08-9       | Benzo(k)fluoranthene       | 0.03  | U         | 0.03 | 0.1 | 0.1        | ug/L  |
| 50-32-8        | Benzo(a)pyrene             | 0.06  | U         | 0.06 | 0.1 | 0.1        | ug/L  |
| 193-39-5       | Indeno(1,2,3-cd)pyrene     | 0.04  | U         | 0.04 | 0.1 | 0.1        | ug/L  |
| 53-70-3        | Dibenzo(a,h)anthracene     | 0.04  | U         | 0.04 | 0.1 | 0.1        | ug/L  |
| 191-24-2       | Benzo(g,h,i)perylene       | 0.04  | U         | 0.04 | 0.1 | 0.1        | ug/L  |
| 123-91-1       | 1,4-Dioxane                | 0.65  |           | 0.07 | 0.2 | 0.2        | ug/L  |

## Report of Analysis

|                    |                        |                 |                       |
|--------------------|------------------------|-----------------|-----------------------|
| Client:            |                        | Date Collected: | 8/13/2024 12:00:00 AM |
| Project:           |                        | Date Received:  | 8/13/2024 12:00:00 AM |
| Client Sample ID:  | TT189D2-HYD-20240813RE | SDG No.:        | BN082224              |
| Lab Sample ID:     | P3623-02RE             | Matrix:         | Water                 |
| Analytical Method: | 8270-Modified          | % Moisture:     | 100                   |
| Sample Wt/Vol:     | 990      Units:    mL  | Final Vol:      | 1000      uL          |
| Soil Aliquot Vol:  | uL                     | Test:           |                       |
| Extraction Type :  | Decanted :             | Level :         | LOW                   |
| Injection Volume : | GPC Factor :           | GPC Cleanup :   | PH :                  |

|                   |           |                       |                       |               |
|-------------------|-----------|-----------------------|-----------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date             | Date Analyzed         | Prep Batch ID |
| BN033546.D        | 1         | 8/16/2024 12:00:00 AM | 8/22/2024 12:00:00 AM | PB162787      |

| CAS Number                | Parameter               | Conc. | Qualifier | MDL    | LOD | LOQ / CRQL | Units     |
|---------------------------|-------------------------|-------|-----------|--------|-----|------------|-----------|
| <b>SURROGATES</b>         |                         |       |           |        |     |            |           |
| 7297-45-2                 | 2-Methylnaphthalene-d10 | 0.01  | *         | 20-139 |     | 2          | SPK: -0.4 |
| 93951-69-0                | Fluoranthene-d10        | 0.164 |           | 30-150 |     | 41         | SPK: -0.4 |
| 367-12-4                  | 2-Fluorophenol          | 0.011 | *         | 10-100 |     | 3          | SPK: -0.4 |
| 13127-88-3                | Phenol-d6               | 0.001 | *         | 10-100 |     | 0          | SPK: -0.4 |
| 4165-60-0                 | Nitrobenzene-d5         | 0.262 |           | 27-123 |     | 65         | SPK: -0.4 |
| 321-60-8                  | 2-Fluorobiphenyl        | 0.267 |           | 34-132 |     | 67         | SPK: -0.4 |
| 118-79-6                  | 2,4,6-Tribromophenol    | 0.157 |           | 10-131 |     | 39         | SPK: -0.4 |
| 1718-51-0                 | Terphenyl-d14           | 0.363 |           | 35-157 |     | 91         | SPK: -0.4 |
| <b>INTERNAL STANDARDS</b> |                         |       |           |        |     |            |           |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4  | 8800  | 7.545     |        |     |            |           |
| 1146-65-2                 | Naphthalene-d8          | 22287 | 10.304    |        |     |            |           |
| 15067-26-2                | Acenaphthene-d10        | 10476 | 14.178    |        |     |            |           |
| 1517-22-2                 | Phenanthrene-d10        | 21227 | 16.929    |        |     |            |           |
| 1719-03-5                 | Chrysene-d12            | 16322 | 21.139    |        |     |            |           |
| 1520-96-3                 | Perylene-d12            | 15551 | 23.309    |        |     |            |           |

## Report of Analysis

|                    |                        |                 |                       |
|--------------------|------------------------|-----------------|-----------------------|
| Client:            |                        | Date Collected: | 8/14/2024 12:00:00 AM |
| Project:           |                        | Date Received:  | 8/14/2024 12:00:00 AM |
| Client Sample ID:  | BPOW6-7-HYD-20240814RE | SDG No.:        | BN082224              |
| Lab Sample ID:     | P3623-03RE             | Matrix:         | Water                 |
| Analytical Method: | 8270-Modified          | % Moisture:     | 100                   |
| Sample Wt/Vol:     | 980      Units:    mL  | Final Vol:      | 1000      uL          |
| Soil Aliquot Vol:  | uL                     | Test:           |                       |
| Extraction Type :  | Decanted :             | Level :         | LOW                   |
| Injection Volume : | GPC Factor :           | GPC Cleanup :   | PH :                  |

|                   |           |                       |                       |               |
|-------------------|-----------|-----------------------|-----------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date             | Date Analyzed         | Prep Batch ID |
| BN033547.D        | 1         | 8/16/2024 12:00:00 AM | 8/22/2024 12:00:00 AM | PB162787      |

| CAS Number     | Parameter                  | Conc. | Qualifier | MDL  | LOD | LOQ / CRQL | Units |
|----------------|----------------------------|-------|-----------|------|-----|------------|-------|
| <b>TARGETS</b> |                            |       |           |      |     |            |       |
| 62-75-9        | n-Nitrosodimethylamine     | 0.03  | U         | 0.03 | 0.2 | 0.2        | ug/L  |
| 111-44-4       | bis(2-Chloroethyl)ether    | 0.03  | U         | 0.03 | 0.1 | 0.1        | ug/L  |
| 91-20-3        | Naphthalene                | 0.02  | U         | 0.02 | 0.1 | 0.1        | ug/L  |
| 87-68-3        | Hexachlorobutadiene        | 0.03  | U         | 0.03 | 0.1 | 0.1        | ug/L  |
| 91-57-6        | 2-Methylnaphthalene        | 0.03  | U         | 0.03 | 0.1 | 0.1        | ug/L  |
| 208-96-8       | Acenaphthylene             | 0.02  | U         | 0.02 | 0.1 | 0.1        | ug/L  |
| 83-32-9        | Acenaphthene               | 0.02  | U         | 0.02 | 0.1 | 0.1        | ug/L  |
| Total PAH      | Total PAH                  | 0.45  | U         | 0.45 | 0.1 | 1.6        | ug/L  |
| 86-73-7        | Fluorene                   | 0.02  | U         | 0.02 | 0.1 | 0.1        | ug/L  |
| 534-52-1       | 4,6-Dinitro-2-methylphenol | 0.14  | U         | 0.14 | 0.2 | 0.2        | ug/L  |
| 101-55-3       | 4-Bromophenyl-phenylether  | 0.03  | U         | 0.03 | 0.1 | 0.1        | ug/L  |
| 118-74-1       | Hexachlorobenzene          | 0.03  | U         | 0.03 | 0.1 | 0.1        | ug/L  |
| 1912-24-9      | Atrazine                   | 0.02  | U         | 0.02 | 0.1 | 0.1        | ug/L  |
| 87-86-5        | Pentachlorophenol          | 0.09  | U         | 0.09 | 0.2 | 0.2        | ug/L  |
| 85-01-8        | Phenanthrene               | 0.02  | U         | 0.02 | 0.1 | 0.1        | ug/L  |
| 120-12-7       | Anthracene                 | 0.02  | U         | 0.02 | 0.1 | 0.1        | ug/L  |
| 206-44-0       | Fluoranthene               | 0.02  | U         | 0.02 | 0.1 | 0.1        | ug/L  |
| 129-00-0       | Pyrene                     | 0.02  | U         | 0.02 | 0.1 | 0.1        | ug/L  |
| 56-55-3        | Benzo(a)anthracene         | 0.02  | U         | 0.02 | 0.1 | 0.1        | ug/L  |
| 218-01-9       | Chrysene                   | 0.03  | U         | 0.03 | 0.1 | 0.1        | ug/L  |
| 117-81-7       | Bis(2-ethylhexyl)phthalate | 0.14  | U         | 0.14 | 0.2 | 0.2        | ug/L  |
| 205-99-2       | Benzo(b)fluoranthene       | 0.03  | U         | 0.03 | 0.1 | 0.1        | ug/L  |
| 207-08-9       | Benzo(k)fluoranthene       | 0.03  | U         | 0.03 | 0.1 | 0.1        | ug/L  |
| 50-32-8        | Benzo(a)pyrene             | 0.06  | U         | 0.06 | 0.1 | 0.1        | ug/L  |
| 193-39-5       | Indeno(1,2,3-cd)pyrene     | 0.04  | U         | 0.04 | 0.1 | 0.1        | ug/L  |
| 53-70-3        | Dibenzo(a,h)anthracene     | 0.04  | U         | 0.04 | 0.1 | 0.1        | ug/L  |
| 191-24-2       | Benzo(g,h,i)perylene       | 0.04  | U         | 0.04 | 0.1 | 0.1        | ug/L  |
| 123-91-1       | 1,4-Dioxane                | 0.07  | U         | 0.07 | 0.2 | 0.2        | ug/L  |

## Report of Analysis

|                    |                        |                 |                       |
|--------------------|------------------------|-----------------|-----------------------|
| Client:            |                        | Date Collected: | 8/14/2024 12:00:00 AM |
| Project:           |                        | Date Received:  | 8/14/2024 12:00:00 AM |
| Client Sample ID:  | BPOW6-7-HYD-20240814RE | SDG No.:        | BN082224              |
| Lab Sample ID:     | P3623-03RE             | Matrix:         | Water                 |
| Analytical Method: | 8270-Modified          | % Moisture:     | 100                   |
| Sample Wt/Vol:     | 980 Units: mL          | Final Vol:      | 1000 uL               |
| Soil Aliquot Vol:  | uL                     | Test:           |                       |
| Extraction Type :  | Decanted :             | Level :         | LOW                   |
| Injection Volume : | GPC Factor :           | GPC Cleanup :   | PH :                  |

|                   |           |                       |                       |               |
|-------------------|-----------|-----------------------|-----------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date             | Date Analyzed         | Prep Batch ID |
| BN033547.D        | 1         | 8/16/2024 12:00:00 AM | 8/22/2024 12:00:00 AM | PB162787      |

| CAS Number                | Parameter               | Conc. | Qualifier | MDL    | LOD | LOQ / CRQL | Units     |
|---------------------------|-------------------------|-------|-----------|--------|-----|------------|-----------|
| <b>SURROGATES</b>         |                         |       |           |        |     |            |           |
| 7297-45-2                 | 2-Methylnaphthalene-d10 | 0.019 | *         | 20-139 |     | 5          | SPK: -0.4 |
| 93951-69-0                | Fluoranthene-d10        | 0.214 |           | 30-150 |     | 53         | SPK: -0.4 |
| 367-12-4                  | 2-Fluorophenol          | 0.008 | *         | 10-100 |     | 2          | SPK: -0.4 |
| 13127-88-3                | Phenol-d6               | 0.002 | *         | 10-100 |     | 1          | SPK: -0.4 |
| 4165-60-0                 | Nitrobenzene-d5         | 0.313 |           | 27-123 |     | 78         | SPK: -0.4 |
| 321-60-8                  | 2-Fluorobiphenyl        | 0.323 |           | 34-132 |     | 81         | SPK: -0.4 |
| 118-79-6                  | 2,4,6-Tribromophenol    | 0.25  |           | 10-131 |     | 63         | SPK: -0.4 |
| 1718-51-0                 | Terphenyl-d14           | 0.424 |           | 35-157 |     | 106        | SPK: -0.4 |
| <b>INTERNAL STANDARDS</b> |                         |       |           |        |     |            |           |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4  | 8536  | 7.545     |        |     |            |           |
| 1146-65-2                 | Naphthalene-d8          | 21759 | 10.304    |        |     |            |           |
| 15067-26-2                | Acenaphthene-d10        | 10198 | 14.178    |        |     |            |           |
| 1517-22-2                 | Phenanthrene-d10        | 20015 | 16.929    |        |     |            |           |
| 1719-03-5                 | Chrysene-d12            | 14208 | 21.139    |        |     |            |           |
| 1520-96-3                 | Perylene-d12            | 10594 | 23.311    |        |     |            |           |



|                    |                          |        |    |                 |                       |    |
|--------------------|--------------------------|--------|----|-----------------|-----------------------|----|
| Client:            |                          |        |    | Date Collected: | 8/15/2024 12:00:00 AM |    |
| Project:           |                          |        |    | Date Received:  | 8/15/2024 12:00:00 AM |    |
| Client Sample ID:  | 924-K1-SD-0.5-1.0-081524 |        |    | SDG No.:        | BN082224              |    |
| Lab Sample ID:     | P3643-10                 |        |    | Matrix:         | Solid                 |    |
| Analytical Method: | 8270-Modified            |        |    | % Moisture:     | 27.1                  |    |
| Sample Wt/Vol:     | 30.02                    | Units: | g  | Final Vol:      | 1000                  | uL |
| Soil Aliquot Vol:  |                          |        | uL | Test:           |                       |    |
| Extraction Type :  | Decanted :               |        |    | Level :         | LOW                   |    |
| Injection Volume : | GPC Factor :             |        |    | GPC Cleanup :   | PH :                  |    |

| File ID/Qc Batch: | Dilution: | Prep Date             | Date Analyzed         | Prep Batch ID |
|-------------------|-----------|-----------------------|-----------------------|---------------|
| BN033548.D        | 1         | 8/20/2024 12:00:00 AM | 8/22/2024 12:00:00 AM | PB162860      |

| CAS Number | Parameter                  | Conc. | Qualifier | MDL   | LOD | LOQ / CRQL | Units |
|------------|----------------------------|-------|-----------|-------|-----|------------|-------|
| TARGETS    |                            |       |           |       |     |            |       |
| 62-75-9    | n-Nitrosodimethylamine     | 1.8   | U         | 1.8   | 9   | 9          | ug/Kg |
| 111-44-4   | bis(2-Chloroethyl)ether    | 1.2   | U         | 1.2   | 4.5 | 4.5        | ug/Kg |
| 91-20-3    | Naphthalene                | 0.95  | U         | 0.95  | 4.5 | 4.5        | ug/Kg |
| 87-68-3    | Hexachlorobutadiene        | 0.95  | U         | 0.95  | 4.5 | 4.5        | ug/Kg |
| 91-57-6    | 2-Methylnaphthalene        | 1.1   | U         | 1.1   | 4.5 | 4.5        | ug/Kg |
| 208-96-8   | Acenaphthylene             | 0.86  | U         | 0.86  | 4.5 | 4.5        | ug/Kg |
| 83-32-9    | Acenaphthene               | 0.75  | U         | 0.75  | 4.5 | 4.5        | ug/Kg |
| Total PAH  | Total PAH                  | 19.86 | U         | 19.86 | 4.5 | 72         | ug/Kg |
| 86-73-7    | Fluorene                   | 0.82  | U         | 0.82  | 4.5 | 4.5        | ug/Kg |
| 534-52-1   | 4,6-Dinitro-2-methylphenol | 5.8   | U         | 5.8   | 9   | 9          | ug/Kg |
| 101-55-3   | 4-Bromophenyl-phenylether  | 1.1   | U         | 1.1   | 4.5 | 4.5        | ug/Kg |
| 118-74-1   | Hexachlorobenzene          | 1.2   | U         | 1.2   | 4.5 | 4.5        | ug/Kg |
| 1912-24-9  | Atrazine                   | 1     | U         | 1     | 4.5 | 4.5        | ug/Kg |
| 87-86-5    | Pentachlorophenol          | 3.9   | U         | 3.9   | 9   | 9          | ug/Kg |
| 85-01-8    | Phenanthrene               | 0.86  | U         | 0.86  | 4.5 | 4.5        | ug/Kg |
| 120-12-7   | Anthracene                 | 1.1   | U         | 1.1   | 4.5 | 4.5        | ug/Kg |
| 206-44-0   | Fluoranthene               | 0.92  | U         | 0.92  | 4.5 | 4.5        | ug/Kg |
| 129-00-0   | Pyrene                     | 1.3   | U         | 1.3   | 4.5 | 4.5        | ug/Kg |
| 56-55-3    | Benzo(a)anthracene         | 1     | U         | 1     | 4.5 | 4.5        | ug/Kg |
| 218-01-9   | Chrysene                   | 1.2   | U         | 1.2   | 4.5 | 4.5        | ug/Kg |
| 117-81-7   | Bis(2-ethylhexyl)phthalate | 2     | U         | 2     | 9   | 9          | ug/Kg |
| 205-99-2   | Benzo(b)fluoranthene       | 1.6   | U         | 1.6   | 4.5 | 4.5        | ug/Kg |
| 207-08-9   | Benzo(k)fluoranthene       | 1.3   | U         | 1.3   | 4.5 | 4.5        | ug/Kg |
| 50-32-8    | Benzo(a)pyrene             | 2.3   | U         | 2.3   | 4.5 | 4.5        | ug/Kg |
| 193-39-5   | Indeno(1,2,3-cd)pyrene     | 1.7   | U         | 1.7   | 4.5 | 4.5        | ug/Kg |
| 53-70-3    | Dibenzo(a,h)anthracene     | 1.6   | U         | 1.6   | 4.5 | 4.5        | ug/Kg |
| 191-24-2   | Benzo(g,h,i)perylene       | 1.6   | U         | 1.6   | 4.5 | 4.5        | ug/Kg |
| 123-91-1   | 1,4-Dioxane                | 3     | U         | 3     | 9   | 9          | ug/Kg |

## Report of Analysis

|                    |                          |                 |                       |
|--------------------|--------------------------|-----------------|-----------------------|
| Client:            |                          | Date Collected: | 8/15/2024 12:00:00 AM |
| Project:           |                          | Date Received:  | 8/15/2024 12:00:00 AM |
| Client Sample ID:  | 924-K1-SD-0.5-1.0-081524 | SDG No.:        | BN082224              |
| Lab Sample ID:     | P3643-10                 | Matrix:         | Solid                 |
| Analytical Method: | 8270-Modified            | % Moisture:     | 27.1                  |
| Sample Wt/Vol:     | 30.02      Units:    g   | Final Vol:      | 1000              uL  |
| Soil Aliquot Vol:  | uL                       | Test:           |                       |
| Extraction Type :  | Decanted :               | Level :         | LOW                   |
| Injection Volume : | GPC Factor :             | GPC Cleanup :   | PH :                  |

|                   |           |                       |                       |               |
|-------------------|-----------|-----------------------|-----------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date             | Date Analyzed         | Prep Batch ID |
| BN033548.D        | 1         | 8/20/2024 12:00:00 AM | 8/22/2024 12:00:00 AM | PB162860      |

| CAS Number                | Parameter               | Conc. | Qualifier | MDL    | LOD | LOQ / CRQL | Units     |
|---------------------------|-------------------------|-------|-----------|--------|-----|------------|-----------|
| <b>SURROGATES</b>         |                         |       |           |        |     |            |           |
| 7297-45-2                 | 2-Methylnaphthalene-d10 | 0.113 |           | 17-161 |     | 28         | SPK: -0.4 |
| 93951-69-0                | Fluoranthene-d10        | 0.106 |           | 23-138 |     | 26         | SPK: -0.4 |
| 367-12-4                  | 2-Fluorophenol          | 0.101 | *         | 28-122 |     | 25         | SPK: -0.4 |
| 13127-88-3                | Phenol-d6               | 0.105 |           | 25-125 |     | 26         | SPK: -0.4 |
| 4165-60-0                 | Nitrobenzene-d5         | 0.144 |           | 33-121 |     | 36         | SPK: -0.4 |
| 321-60-8                  | 2-Fluorobiphenyl        | 0.144 |           | 32-121 |     | 36         | SPK: -0.4 |
| 118-79-6                  | 2,4,6-Tribromophenol    | 0.094 |           | 19-110 |     | 23         | SPK: -0.4 |
| 1718-51-0                 | Terphenyl-d14           | 0.137 |           | 21-130 |     | 34         | SPK: -0.4 |
| <b>INTERNAL STANDARDS</b> |                         |       |           |        |     |            |           |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4  | 9109  | 7.545     |        |     |            |           |
| 1146-65-2                 | Naphthalene-d8          | 23609 | 10.304    |        |     |            |           |
| 15067-26-2                | Acenaphthene-d10        | 11609 | 14.178    |        |     |            |           |
| 1517-22-2                 | Phenanthrene-d10        | 23645 | 16.929    |        |     |            |           |
| 1719-03-5                 | Chrysene-d12            | 15274 | 21.139    |        |     |            |           |
| 1520-96-3                 | Perylene-d12            | 15445 | 23.309    |        |     |            |           |

## Report of Analysis

|                    |                        |                 |                       |
|--------------------|------------------------|-----------------|-----------------------|
| Client:            |                        | Date Collected: | 8/16/2024 12:00:00 AM |
| Project:           |                        | Date Received:  | 8/16/2024 12:00:00 AM |
| Client Sample ID:  | 914-J-SD-0-1-081624    | SDG No.:        | BN082224              |
| Lab Sample ID:     | P3663-04               | Matrix:         | Solid                 |
| Analytical Method: | 8270-Modified          | % Moisture:     | 47.5                  |
| Sample Wt/Vol:     | 30.02      Units:    g | Final Vol:      | 1000              uL  |
| Soil Aliquot Vol:  | uL                     | Test:           |                       |
| Extraction Type :  | Decanted :             | Level :         | LOW                   |
| Injection Volume : | GPC Factor :           | GPC Cleanup :   | PH :                  |

|                   |           |                       |                       |               |
|-------------------|-----------|-----------------------|-----------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date             | Date Analyzed         | Prep Batch ID |
| BN033549.D        | 1         | 8/19/2024 12:00:00 AM | 8/22/2024 12:00:00 AM | PB162844      |

| CAS Number     | Parameter                  | Conc. | Qualifier | MDL  | LOD  | LOQ / CRQL | Units |
|----------------|----------------------------|-------|-----------|------|------|------------|-------|
| <b>TARGETS</b> |                            |       |           |      |      |            |       |
| 62-75-9        | n-Nitrosodimethylamine     | 2.5   | U         | 2.5  | 12.6 | 12.6       | ug/Kg |
| 111-44-4       | bis(2-Chloroethyl)ether    | 1.6   | U         | 1.6  | 6.3  | 6.3        | ug/Kg |
| 91-20-3        | Naphthalene                | 1.3   | U         | 1.3  | 6.3  | 6.3        | ug/Kg |
| 87-68-3        | Hexachlorobutadiene        | 1.3   | U         | 1.3  | 6.3  | 6.3        | ug/Kg |
| 91-57-6        | 2-Methylnaphthalene        | 1.5   | U         | 1.5  | 6.3  | 6.3        | ug/Kg |
| 208-96-8       | Acenaphthylene             | 1.2   | U         | 1.2  | 6.3  | 6.3        | ug/Kg |
| 83-32-9        | Acenaphthene               | 1     | U         | 1    | 6.3  | 6.3        | ug/Kg |
| Total PAH      | Total PAH                  | 27.6  | U         | 27.6 | 6.3  | 100.8      | ug/Kg |
| 86-73-7        | Fluorene                   | 2.7   | J         | 1.1  | 6.3  | 6.3        | ug/Kg |
| 534-52-1       | 4,6-Dinitro-2-methylphenol | 8.1   | U         | 8.1  | 12.6 | 12.6       | ug/Kg |
| 101-55-3       | 4-Bromophenyl-phenylether  | 1.5   | U         | 1.5  | 6.3  | 6.3        | ug/Kg |
| 118-74-1       | Hexachlorobenzene          | 1.6   | U         | 1.6  | 6.3  | 6.3        | ug/Kg |
| 1912-24-9      | Atrazine                   | 1.4   | U         | 1.4  | 6.3  | 6.3        | ug/Kg |
| 87-86-5        | Pentachlorophenol          | 5.4   | U         | 5.4  | 12.6 | 12.6       | ug/Kg |
| 85-01-8        | Phenanthrene               | 2.7   | J         | 1.2  | 6.3  | 6.3        | ug/Kg |
| 120-12-7       | Anthracene                 | 1.5   | U         | 1.5  | 6.3  | 6.3        | ug/Kg |
| 206-44-0       | Fluoranthene               | 5.2   | J         | 1.3  | 6.3  | 6.3        | ug/Kg |
| 129-00-0       | Pyrene                     | 3.9   | J         | 1.8  | 6.3  | 6.3        | ug/Kg |
| 56-55-3        | Benzo(a)anthracene         | 2.7   | J         | 1.4  | 6.3  | 6.3        | ug/Kg |
| 218-01-9       | Chrysene                   | 3.4   | J         | 1.6  | 6.3  | 6.3        | ug/Kg |
| 117-81-7       | Bis(2-ethylhexyl)phthalate | 4.1   | J         | 2.8  | 12.6 | 12.6       | ug/Kg |
| 205-99-2       | Benzo(b)fluoranthene       | 3.5   | J         | 2.3  | 6.3  | 6.3        | ug/Kg |
| 207-08-9       | Benzo(k)fluoranthene       | 1.9   | U         | 1.9  | 6.3  | 6.3        | ug/Kg |
| 50-32-8        | Benzo(a)pyrene             | 3.2   | U         | 3.2  | 6.3  | 6.3        | ug/Kg |
| 193-39-5       | Indeno(1,2,3-cd)pyrene     | 2.4   | U         | 2.4  | 6.3  | 6.3        | ug/Kg |
| 53-70-3        | Dibenzo(a,h)anthracene     | 2.2   | U         | 2.2  | 6.3  | 6.3        | ug/Kg |
| 191-24-2       | Benzo(g,h,i)perylene       | 2.2   | U         | 2.2  | 6.3  | 6.3        | ug/Kg |
| 123-91-1       | 1,4-Dioxane                | 4.2   | U         | 4.2  | 12.6 | 12.6       | ug/Kg |

## Report of Analysis

|                    |                     |                 |                       |
|--------------------|---------------------|-----------------|-----------------------|
| Client:            |                     | Date Collected: | 8/16/2024 12:00:00 AM |
| Project:           |                     | Date Received:  | 8/16/2024 12:00:00 AM |
| Client Sample ID:  | 914-J-SD-0-1-081624 | SDG No.:        | BN082224              |
| Lab Sample ID:     | P3663-04            | Matrix:         | Solid                 |
| Analytical Method: | 8270-Modified       | % Moisture:     | 47.5                  |
| Sample Wt/Vol:     | 30.02      Units: g | Final Vol:      | 1000      uL          |
| Soil Aliquot Vol:  | uL                  | Test:           |                       |
| Extraction Type :  | Decanted :          | Level :         | LOW                   |
| Injection Volume : | GPC Factor :        | GPC Cleanup :   | PH :                  |

|                   |           |                       |                       |               |
|-------------------|-----------|-----------------------|-----------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date             | Date Analyzed         | Prep Batch ID |
| BN033549.D        | 1         | 8/19/2024 12:00:00 AM | 8/22/2024 12:00:00 AM | PB162844      |

| CAS Number                | Parameter               | Conc. | Qualifier | MDL    | LOD | LOQ / CRQL | Units     |
|---------------------------|-------------------------|-------|-----------|--------|-----|------------|-----------|
| <b>SURROGATES</b>         |                         |       |           |        |     |            |           |
| 7297-45-2                 | 2-Methylnaphthalene-d10 | 0.192 |           | 17-161 |     | 48         | SPK: -0.4 |
| 93951-69-0                | Fluoranthene-d10        | 0.165 |           | 23-138 |     | 41         | SPK: -0.4 |
| 367-12-4                  | 2-Fluorophenol          | 0.198 |           | 28-122 |     | 50         | SPK: -0.4 |
| 13127-88-3                | Phenol-d6               | 0.199 |           | 25-125 |     | 50         | SPK: -0.4 |
| 4165-60-0                 | Nitrobenzene-d5         | 0.243 |           | 33-121 |     | 61         | SPK: -0.4 |
| 321-60-8                  | 2-Fluorobiphenyl        | 0.185 |           | 32-121 |     | 46         | SPK: -0.4 |
| 118-79-6                  | 2,4,6-Tribromophenol    | 0.184 |           | 19-110 |     | 46         | SPK: -0.4 |
| 1718-51-0                 | Terphenyl-d14           | 0.135 |           | 21-130 |     | 34         | SPK: -0.4 |
| <b>INTERNAL STANDARDS</b> |                         |       |           |        |     |            |           |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4  | 6905  | 7.545     |        |     |            |           |
| 1146-65-2                 | Naphthalene-d8          | 17849 | 10.304    |        |     |            |           |
| 15067-26-2                | Acenaphthene-d10        | 8829  | 14.178    |        |     |            |           |
| 1517-22-2                 | Phenanthrene-d10        | 19258 | 16.929    |        |     |            |           |
| 1719-03-5                 | Chrysene-d12            | 16834 | 21.139    |        |     |            |           |
| 1520-96-3                 | Perylene-d12            | 18945 | 23.309    |        |     |            |           |

## Report of Analysis

|                    |                        |                 |                       |
|--------------------|------------------------|-----------------|-----------------------|
| Client:            |                        | Date Collected: | 8/16/2024 12:00:00 AM |
| Project:           |                        | Date Received:  | 8/16/2024 12:00:00 AM |
| Client Sample ID:  | 914-J-SD-0-0.5-081624  | SDG No.:        | BN082224              |
| Lab Sample ID:     | P3663-03               | Matrix:         | Solid                 |
| Analytical Method: | 8270-Modified          | % Moisture:     | 53.2                  |
| Sample Wt/Vol:     | 30.02      Units:    g | Final Vol:      | 1000      uL          |
| Soil Aliquot Vol:  | uL                     | Test:           |                       |
| Extraction Type :  | Decanted :             | Level :         | LOW                   |
| Injection Volume : | GPC Factor :           | GPC Cleanup :   | PH :                  |

|                   |           |                       |                       |               |
|-------------------|-----------|-----------------------|-----------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date             | Date Analyzed         | Prep Batch ID |
| BN033550.D        | 1         | 8/19/2024 12:00:00 AM | 8/22/2024 12:00:00 AM | PB162844      |

| CAS Number     | Parameter                  | Conc. | Qualifier | MDL  | LOD  | LOQ / CRQL | Units |
|----------------|----------------------------|-------|-----------|------|------|------------|-------|
| <b>TARGETS</b> |                            |       |           |      |      |            |       |
| 62-75-9        | n-Nitrosodimethylamine     | 2.8   | U         | 2.8  | 14.1 | 14.1       | ug/Kg |
| 111-44-4       | bis(2-Chloroethyl)ether    | 1.8   | U         | 1.8  | 7    | 7          | ug/Kg |
| 91-20-3        | Naphthalene                | 1.5   | U         | 1.5  | 7    | 7          | ug/Kg |
| 87-68-3        | Hexachlorobutadiene        | 1.5   | U         | 1.5  | 7    | 7          | ug/Kg |
| 91-57-6        | 2-Methylnaphthalene        | 1.7   | U         | 1.7  | 7    | 7          | ug/Kg |
| 208-96-8       | Acenaphthylene             | 2.1   | J         | 1.3  | 7    | 7          | ug/Kg |
| 83-32-9        | Acenaphthene               | 1.2   | U         | 1.2  | 7    | 7          | ug/Kg |
| Total PAH      | Total PAH                  | 163.9 | U         | 30.8 | 7    | 112        | ug/Kg |
| 86-73-7        | Fluorene                   | 1.3   | U         | 1.3  | 7    | 7          | ug/Kg |
| 534-52-1       | 4,6-Dinitro-2-methylphenol | 9.1   | U         | 9.1  | 14.1 | 14.1       | ug/Kg |
| 101-55-3       | 4-Bromophenyl-phenylether  | 1.7   | U         | 1.7  | 7    | 7          | ug/Kg |
| 118-74-1       | Hexachlorobenzene          | 1.8   | U         | 1.8  | 7    | 7          | ug/Kg |
| 1912-24-9      | Atrazine                   | 1.6   | U         | 1.6  | 7    | 7          | ug/Kg |
| 87-86-5        | Pentachlorophenol          | 6     | U         | 6    | 14.1 | 14.1       | ug/Kg |
| 85-01-8        | Phenanthrene               | 8.8   |           | 1.3  | 7    | 7          | ug/Kg |
| 120-12-7       | Anthracene                 | 2     | J         | 1.7  | 7    | 7          | ug/Kg |
| 206-44-0       | Fluoranthene               | 24.8  |           | 1.4  | 7    | 7          | ug/Kg |
| 129-00-0       | Pyrene                     | 18.9  |           | 2    | 7    | 7          | ug/Kg |
| 56-55-3        | Benzo(a)anthracene         | 11.7  |           | 1.6  | 7    | 7          | ug/Kg |
| 218-01-9       | Chrysene                   | 20.1  |           | 1.8  | 7    | 7          | ug/Kg |
| 117-81-7       | Bis(2-ethylhexyl)phthalate | 4.2   | J         | 3.1  | 14.1 | 14.1       | ug/Kg |
| 205-99-2       | Benzo(b)fluoranthene       | 25.7  |           | 2.5  | 7    | 7          | ug/Kg |
| 207-08-9       | Benzo(k)fluoranthene       | 9.5   |           | 2.1  | 7    | 7          | ug/Kg |
| 50-32-8        | Benzo(a)pyrene             | 14.1  |           | 3.5  | 7    | 7          | ug/Kg |
| 193-39-5       | Indeno(1,2,3-cd)pyrene     | 10.3  |           | 2.7  | 7    | 7          | ug/Kg |
| 53-70-3        | Dibenzo(a,h)anthracene     | 3.4   | J         | 2.5  | 7    | 7          | ug/Kg |
| 191-24-2       | Benzo(g,h,i)perylene       | 12.5  |           | 2.4  | 7    | 7          | ug/Kg |
| 123-91-1       | 1,4-Dioxane                | 4.7   | U         | 4.7  | 14.1 | 14.1       | ug/Kg |

## Report of Analysis

|                    |                        |                 |                       |
|--------------------|------------------------|-----------------|-----------------------|
| Client:            |                        | Date Collected: | 8/16/2024 12:00:00 AM |
| Project:           |                        | Date Received:  | 8/16/2024 12:00:00 AM |
| Client Sample ID:  | 914-J-SD-0-0.5-081624  | SDG No.:        | BN082224              |
| Lab Sample ID:     | P3663-03               | Matrix:         | Solid                 |
| Analytical Method: | 8270-Modified          | % Moisture:     | 53.2                  |
| Sample Wt/Vol:     | 30.02      Units:    g | Final Vol:      | 1000              uL  |
| Soil Aliquot Vol:  | uL                     | Test:           |                       |
| Extraction Type :  | Decanted :             | Level :         | LOW                   |
| Injection Volume : | GPC Factor :           | GPC Cleanup :   | PH :                  |

|                   |           |                       |                       |               |
|-------------------|-----------|-----------------------|-----------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date             | Date Analyzed         | Prep Batch ID |
| BN033550.D        | 1         | 8/19/2024 12:00:00 AM | 8/22/2024 12:00:00 AM | PB162844      |

| CAS Number                | Parameter               | Conc. | Qualifier | MDL    | LOD | LOQ / CRQL | Units     |
|---------------------------|-------------------------|-------|-----------|--------|-----|------------|-----------|
| <b>SURROGATES</b>         |                         |       |           |        |     |            |           |
| 7297-45-2                 | 2-Methylnaphthalene-d10 | 0.168 |           | 17-161 |     | 42         | SPK: -0.4 |
| 93951-69-0                | Fluoranthene-d10        | 0.132 |           | 23-138 |     | 33         | SPK: -0.4 |
| 367-12-4                  | 2-Fluorophenol          | 0.177 |           | 28-122 |     | 44         | SPK: -0.4 |
| 13127-88-3                | Phenol-d6               | 0.182 |           | 25-125 |     | 45         | SPK: -0.4 |
| 4165-60-0                 | Nitrobenzene-d5         | 0.203 |           | 33-121 |     | 51         | SPK: -0.4 |
| 321-60-8                  | 2-Fluorobiphenyl        | 0.165 |           | 32-121 |     | 41         | SPK: -0.4 |
| 118-79-6                  | 2,4,6-Tribromophenol    | 0.144 |           | 19-110 |     | 36         | SPK: -0.4 |
| 1718-51-0                 | Terphenyl-d14           | 0.114 |           | 21-130 |     | 28         | SPK: -0.4 |
| <b>INTERNAL STANDARDS</b> |                         |       |           |        |     |            |           |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4  | 7681  | 7.545     |        |     |            |           |
| 1146-65-2                 | Naphthalene-d8          | 19872 | 10.304    |        |     |            |           |
| 15067-26-2                | Acenaphthene-d10        | 9323  | 14.178    |        |     |            |           |
| 1517-22-2                 | Phenanthrene-d10        | 17884 | 16.929    |        |     |            |           |
| 1719-03-5                 | Chrysene-d12            | 13716 | 21.139    |        |     |            |           |
| 1520-96-3                 | Perylene-d12            | 14372 | 23.306    |        |     |            |           |

## Report of Analysis

|                    |                       |                 |                       |
|--------------------|-----------------------|-----------------|-----------------------|
| Client:            |                       | Date Collected: | 8/16/2024 12:00:00 AM |
| Project:           |                       | Date Received:  | 8/16/2024 12:00:00 AM |
| Client Sample ID:  | 914-J-SD-0-1-081624MS | SDG No.:        | BN082224              |
| Lab Sample ID:     | P3663-05MS            | Matrix:         | Solid                 |
| Analytical Method: | 8270-Modified         | % Moisture:     | 47.5                  |
| Sample Wt/Vol:     | 30 Units: g           | Final Vol:      | 1000 uL               |
| Soil Aliquot Vol:  | uL                    | Test:           |                       |
| Extraction Type :  | Decanted :            | Level :         | LOW                   |
| Injection Volume : | GPC Factor :          | GPC Cleanup :   | PH :                  |

|                   |           |                       |                       |               |
|-------------------|-----------|-----------------------|-----------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date             | Date Analyzed         | Prep Batch ID |
| BN033551.D        | 1         | 8/19/2024 12:00:00 AM | 8/22/2024 12:00:00 AM | PB162844      |

| CAS Number     | Parameter                  | Conc. | Qualifier | MDL  | LOD  | LOQ / CRQL | Units |
|----------------|----------------------------|-------|-----------|------|------|------------|-------|
| <b>TARGETS</b> |                            |       |           |      |      |            |       |
| 62-75-9        | n-Nitrosodimethylamine     | 24.6  |           | 2.5  | 12.6 | 12.6       | ug/Kg |
| 111-44-4       | bis(2-Chloroethyl)ether    | 24.2  |           | 1.6  | 6.3  | 6.3        | ug/Kg |
| 91-20-3        | Naphthalene                | 23.6  |           | 1.3  | 6.3  | 6.3        | ug/Kg |
| 87-68-3        | Hexachlorobutadiene        | 22.3  |           | 1.3  | 6.3  | 6.3        | ug/Kg |
| 91-57-6        | 2-Methylnaphthalene        | 23.7  |           | 1.5  | 6.3  | 6.3        | ug/Kg |
| 208-96-8       | Acenaphthylene             | 25    |           | 1.2  | 6.3  | 6.3        | ug/Kg |
| 83-32-9        | Acenaphthene               | 23.9  |           | 1    | 6.3  | 6.3        | ug/Kg |
| Total PAH      | Total PAH                  | 410.2 |           | 27.6 | 6.3  | 100.8      | ug/Kg |
| 86-73-7        | Fluorene                   | 25.5  |           | 1.1  | 6.3  | 6.3        | ug/Kg |
| 534-52-1       | 4,6-Dinitro-2-methylphenol | 22.6  |           | 8.1  | 12.6 | 12.6       | ug/Kg |
| 101-55-3       | 4-Bromophenyl-phenylether  | 22.1  |           | 1.5  | 6.3  | 6.3        | ug/Kg |
| 118-74-1       | Hexachlorobenzene          | 21.5  |           | 1.6  | 6.3  | 6.3        | ug/Kg |
| 1912-24-9      | Atrazine                   | 23.3  |           | 1.4  | 6.3  | 6.3        | ug/Kg |
| 87-86-5        | Pentachlorophenol          | 46.3  |           | 5.4  | 12.6 | 12.6       | ug/Kg |
| 85-01-8        | Phenanthrene               | 26.5  |           | 1.2  | 6.3  | 6.3        | ug/Kg |
| 120-12-7       | Anthracene                 | 25.6  |           | 1.5  | 6.3  | 6.3        | ug/Kg |
| 206-44-0       | Fluoranthene               | 29.5  |           | 1.3  | 6.3  | 6.3        | ug/Kg |
| 129-00-0       | Pyrene                     | 24    |           | 1.8  | 6.3  | 6.3        | ug/Kg |
| 56-55-3        | Benzo(a)anthracene         | 26.6  |           | 1.4  | 6.3  | 6.3        | ug/Kg |
| 218-01-9       | Chrysene                   | 27.3  |           | 1.6  | 6.3  | 6.3        | ug/Kg |
| 117-81-7       | Bis(2-ethylhexyl)phthalate | 26.5  |           | 2.8  | 12.6 | 12.6       | ug/Kg |
| 205-99-2       | Benzo(b)fluoranthene       | 25.3  |           | 2.3  | 6.3  | 6.3        | ug/Kg |
| 207-08-9       | Benzo(k)fluoranthene       | 24.4  |           | 1.9  | 6.3  | 6.3        | ug/Kg |
| 50-32-8        | Benzo(a)pyrene             | 28    |           | 3.2  | 6.3  | 6.3        | ug/Kg |
| 193-39-5       | Indeno(1,2,3-cd)pyrene     | 26.2  |           | 2.4  | 6.3  | 6.3        | ug/Kg |
| 53-70-3        | Dibenzo(a,h)anthracene     | 24.6  |           | 2.2  | 6.3  | 6.3        | ug/Kg |
| 191-24-2       | Benzo(g,h,i)perylene       | 24.2  |           | 2.2  | 6.3  | 6.3        | ug/Kg |
| 123-91-1       | 1,4-Dioxane                | 23.8  |           | 4.2  | 12.6 | 12.6       | ug/Kg |

## Report of Analysis

|                    |                       |                 |                       |
|--------------------|-----------------------|-----------------|-----------------------|
| Client:            |                       | Date Collected: | 8/16/2024 12:00:00 AM |
| Project:           |                       | Date Received:  | 8/16/2024 12:00:00 AM |
| Client Sample ID:  | 914-J-SD-0-1-081624MS | SDG No.:        | BN082224              |
| Lab Sample ID:     | P3663-05MS            | Matrix:         | Solid                 |
| Analytical Method: | 8270-Modified         | % Moisture:     | 47.5                  |
| Sample Wt/Vol:     | 30 Units: g           | Final Vol:      | 1000 uL               |
| Soil Aliquot Vol:  | uL                    | Test:           |                       |
| Extraction Type :  | Decanted :            | Level :         | LOW                   |
| Injection Volume : | GPC Factor :          | GPC Cleanup :   | PH :                  |

|                   |           |                       |                       |               |
|-------------------|-----------|-----------------------|-----------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date             | Date Analyzed         | Prep Batch ID |
| BN033551.D        | 1         | 8/19/2024 12:00:00 AM | 8/22/2024 12:00:00 AM | PB162844      |

| CAS Number                | Parameter               | Conc. | Qualifier | MDL    | LOD | LOQ / CRQL | Units     |
|---------------------------|-------------------------|-------|-----------|--------|-----|------------|-----------|
| <b>SURROGATES</b>         |                         |       |           |        |     |            |           |
| 7297-45-2                 | 2-Methylnaphthalene-d10 | 0.356 |           | 17-161 |     | 89         | SPK: -0.4 |
| 93951-69-0                | Fluoranthene-d10        | 0.166 |           | 23-138 |     | 41         | SPK: -0.4 |
| 367-12-4                  | 2-Fluorophenol          | 0.203 |           | 28-122 |     | 51         | SPK: -0.4 |
| 13127-88-3                | Phenol-d6               | 0.207 |           | 25-125 |     | 52         | SPK: -0.4 |
| 4165-60-0                 | Nitrobenzene-d5         | 0.241 |           | 33-121 |     | 60         | SPK: -0.4 |
| 321-60-8                  | 2-Fluorobiphenyl        | 0.187 |           | 32-121 |     | 47         | SPK: -0.4 |
| 118-79-6                  | 2,4,6-Tribromophenol    | 0.191 |           | 19-110 |     | 48         | SPK: -0.4 |
| 1718-51-0                 | Terphenyl-d14           | 0.134 |           | 21-130 |     | 34         | SPK: -0.4 |
| <b>INTERNAL STANDARDS</b> |                         |       |           |        |     |            |           |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4  | 7249  | 7.545     |        |     |            |           |
| 1146-65-2                 | Naphthalene-d8          | 18735 | 10.304    |        |     |            |           |
| 15067-26-2                | Acenaphthene-d10        | 9271  | 14.178    |        |     |            |           |
| 1517-22-2                 | Phenanthrene-d10        | 19633 | 16.929    |        |     |            |           |
| 1719-03-5                 | Chrysene-d12            | 17227 | 21.139    |        |     |            |           |
| 1520-96-3                 | Perylene-d12            | 19817 | 23.312    |        |     |            |           |

## Report of Analysis

|                    |                        |                 |                       |
|--------------------|------------------------|-----------------|-----------------------|
| Client:            |                        | Date Collected: | 8/16/2024 12:00:00 AM |
| Project:           |                        | Date Received:  | 8/16/2024 12:00:00 AM |
| Client Sample ID:  | 914-J-SD-0-1-081624MSD | SDG No.:        | BN082224              |
| Lab Sample ID:     | P3663-06MSD            | Matrix:         | Solid                 |
| Analytical Method: | 8270-Modified          | % Moisture:     | 47.5                  |
| Sample Wt/Vol:     | 30.04 Units: g         | Final Vol:      | 1000 uL               |
| Soil Aliquot Vol:  | uL                     | Test:           |                       |
| Extraction Type :  | Decanted :             | Level :         | LOW                   |
| Injection Volume : | GPC Factor :           | GPC Cleanup :   | PH :                  |

|                   |           |                       |                       |               |
|-------------------|-----------|-----------------------|-----------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date             | Date Analyzed         | Prep Batch ID |
| BN033552.D        | 1         | 8/19/2024 12:00:00 AM | 8/22/2024 12:00:00 AM | PB162844      |

| CAS Number     | Parameter                  | Conc. | Qualifier | MDL  | LOD  | LOQ / CRQL | Units |
|----------------|----------------------------|-------|-----------|------|------|------------|-------|
| <b>TARGETS</b> |                            |       |           |      |      |            |       |
| 62-75-9        | n-Nitrosodimethylamine     | 27.2  |           | 2.5  | 12.6 | 12.6       | ug/Kg |
| 111-44-4       | bis(2-Chloroethyl)ether    | 26.4  |           | 1.6  | 6.3  | 6.3        | ug/Kg |
| 91-20-3        | Naphthalene                | 25.4  |           | 1.3  | 6.3  | 6.3        | ug/Kg |
| 87-68-3        | Hexachlorobutadiene        | 23.8  |           | 1.3  | 6.3  | 6.3        | ug/Kg |
| 91-57-6        | 2-Methylnaphthalene        | 25.6  |           | 1.5  | 6.3  | 6.3        | ug/Kg |
| 208-96-8       | Acenaphthylene             | 26.7  |           | 1.2  | 6.3  | 6.3        | ug/Kg |
| 83-32-9        | Acenaphthene               | 24.8  |           | 1    | 6.3  | 6.3        | ug/Kg |
| Total PAH      | Total PAH                  | 439.3 |           | 27.6 | 6.3  | 100.8      | ug/Kg |
| 86-73-7        | Fluorene                   | 27.3  |           | 1.1  | 6.3  | 6.3        | ug/Kg |
| 534-52-1       | 4,6-Dinitro-2-methylphenol | 24    |           | 8.1  | 12.6 | 12.6       | ug/Kg |
| 101-55-3       | 4-Bromophenyl-phenylether  | 23.6  |           | 1.5  | 6.3  | 6.3        | ug/Kg |
| 118-74-1       | Hexachlorobenzene          | 23.6  |           | 1.6  | 6.3  | 6.3        | ug/Kg |
| 1912-24-9      | Atrazine                   | 25.9  |           | 1.4  | 6.3  | 6.3        | ug/Kg |
| 87-86-5        | Pentachlorophenol          | 52    |           | 5.4  | 12.6 | 12.6       | ug/Kg |
| 85-01-8        | Phenanthrene               | 28.9  |           | 1.2  | 6.3  | 6.3        | ug/Kg |
| 120-12-7       | Anthracene                 | 27.9  |           | 1.5  | 6.3  | 6.3        | ug/Kg |
| 206-44-0       | Fluoranthene               | 31.9  |           | 1.3  | 6.3  | 6.3        | ug/Kg |
| 129-00-0       | Pyrene                     | 25.9  |           | 1.8  | 6.3  | 6.3        | ug/Kg |
| 56-55-3        | Benzo(a)anthracene         | 28.9  |           | 1.4  | 6.3  | 6.3        | ug/Kg |
| 218-01-9       | Chrysene                   | 29.4  |           | 1.6  | 6.3  | 6.3        | ug/Kg |
| 117-81-7       | Bis(2-ethylhexyl)phthalate | 29.4  |           | 2.8  | 12.6 | 12.6       | ug/Kg |
| 205-99-2       | Benzo(b)fluoranthene       | 27    |           | 2.3  | 6.3  | 6.3        | ug/Kg |
| 207-08-9       | Benzo(k)fluoranthene       | 26.4  |           | 1.9  | 6.3  | 6.3        | ug/Kg |
| 50-32-8        | Benzo(a)pyrene             | 30.1  |           | 3.2  | 6.3  | 6.3        | ug/Kg |
| 193-39-5       | Indeno(1,2,3-cd)pyrene     | 27.6  |           | 2.4  | 6.3  | 6.3        | ug/Kg |
| 53-70-3        | Dibenzo(a,h)anthracene     | 25.7  |           | 2.2  | 6.3  | 6.3        | ug/Kg |
| 191-24-2       | Benzo(g,h,i)perylene       | 25.4  |           | 2.2  | 6.3  | 6.3        | ug/Kg |
| 123-91-1       | 1,4-Dioxane                | 25.2  |           | 4.2  | 12.6 | 12.6       | ug/Kg |

## Report of Analysis

|                    |                        |                 |                       |
|--------------------|------------------------|-----------------|-----------------------|
| Client:            |                        | Date Collected: | 8/16/2024 12:00:00 AM |
| Project:           |                        | Date Received:  | 8/16/2024 12:00:00 AM |
| Client Sample ID:  | 914-J-SD-0-1-081624MSD | SDG No.:        | BN082224              |
| Lab Sample ID:     | P3663-06MSD            | Matrix:         | Solid                 |
| Analytical Method: | 8270-Modified          | % Moisture:     | 47.5                  |
| Sample Wt/Vol:     | 30.04      Units:    g | Final Vol:      | 1000              uL  |
| Soil Aliquot Vol:  | uL                     | Test:           |                       |
| Extraction Type :  | Decanted :             | Level :         | LOW                   |
| Injection Volume : | GPC Factor :           | GPC Cleanup :   | PH :                  |

|                   |           |                       |                       |               |
|-------------------|-----------|-----------------------|-----------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date             | Date Analyzed         | Prep Batch ID |
| BN033552.D        | 1         | 8/19/2024 12:00:00 AM | 8/22/2024 12:00:00 AM | PB162844      |

| CAS Number                | Parameter               | Conc. | Qualifier | MDL    | LOD | LOQ / CRQL | Units     |
|---------------------------|-------------------------|-------|-----------|--------|-----|------------|-----------|
| <b>SURROGATES</b>         |                         |       |           |        |     |            |           |
| 7297-45-2                 | 2-Methylnaphthalene-d10 | 0.387 |           | 17-161 |     | 97         | SPK: -0.4 |
| 93951-69-0                | Fluoranthene-d10        | 0.18  |           | 23-138 |     | 45         | SPK: -0.4 |
| 367-12-4                  | 2-Fluorophenol          | 0.223 |           | 28-122 |     | 56         | SPK: -0.4 |
| 13127-88-3                | Phenol-d6               | 0.227 |           | 25-125 |     | 57         | SPK: -0.4 |
| 4165-60-0                 | Nitrobenzene-d5         | 0.259 |           | 33-121 |     | 65         | SPK: -0.4 |
| 321-60-8                  | 2-Fluorobiphenyl        | 0.201 |           | 32-121 |     | 50         | SPK: -0.4 |
| 118-79-6                  | 2,4,6-Tribromophenol    | 0.207 |           | 19-110 |     | 52         | SPK: -0.4 |
| 1718-51-0                 | Terphenyl-d14           | 0.146 |           | 21-130 |     | 36         | SPK: -0.4 |
| <b>INTERNAL STANDARDS</b> |                         |       |           |        |     |            |           |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4  | 7178  | 7.545     |        |     |            |           |
| 1146-65-2                 | Naphthalene-d8          | 18909 | 10.304    |        |     |            |           |
| 15067-26-2                | Acenaphthene-d10        | 9532  | 14.178    |        |     |            |           |
| 1517-22-2                 | Phenanthrene-d10        | 19730 | 16.929    |        |     |            |           |
| 1719-03-5                 | Chrysene-d12            | 17425 | 21.139    |        |     |            |           |
| 1520-96-3                 | Perylene-d12            | 19758 | 23.309    |        |     |            |           |

## Report of Analysis

|                    |                        |                 |                       |
|--------------------|------------------------|-----------------|-----------------------|
| Client:            |                        | Date Collected: | 8/16/2024 12:00:00 AM |
| Project:           |                        | Date Received:  | 8/16/2024 12:00:00 AM |
| Client Sample ID:  | S-906-J-0.5-1-081624   | SDG No.:        | BN082224              |
| Lab Sample ID:     | P3660-08               | Matrix:         | Solid                 |
| Analytical Method: | 8270-Modified          | % Moisture:     | 14.2                  |
| Sample Wt/Vol:     | 30.01      Units:    g | Final Vol:      | 1000              uL  |
| Soil Aliquot Vol:  | uL                     | Test:           |                       |
| Extraction Type :  | Decanted :             | Level :         | LOW                   |
| Injection Volume : | GPC Factor :           | GPC Cleanup :   | PH :                  |

|                   |           |                       |                       |               |
|-------------------|-----------|-----------------------|-----------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date             | Date Analyzed         | Prep Batch ID |
| BN033553.D        | 1         | 8/19/2024 12:00:00 AM | 8/22/2024 12:00:00 AM | PB162844      |

| CAS Number     | Parameter                  | Conc. | Qualifier | MDL   | LOD | LOQ / CRQL | Units |
|----------------|----------------------------|-------|-----------|-------|-----|------------|-------|
| <b>TARGETS</b> |                            |       |           |       |     |            |       |
| 62-75-9        | n-Nitrosodimethylamine     | 1.5   | U         | 1.5   | 7.7 | 7.7        | ug/Kg |
| 111-44-4       | bis(2-Chloroethyl)ether    | 0.99  | U         | 0.99  | 3.8 | 3.8        | ug/Kg |
| 91-20-3        | Naphthalene                | 1.4   | J         | 0.8   | 3.8 | 3.8        | ug/Kg |
| 87-68-3        | Hexachlorobutadiene        | 0.8   | U         | 0.8   | 3.8 | 3.8        | ug/Kg |
| 91-57-6        | 2-Methylnaphthalene        | 2.1   | J         | 0.93  | 3.8 | 3.8        | ug/Kg |
| 208-96-8       | Acenaphthylene             | 1.7   | J         | 0.73  | 3.8 | 3.8        | ug/Kg |
| 83-32-9        | Acenaphthene               | 15.6  |           | 0.64  | 3.8 | 3.8        | ug/Kg |
| Total PAH      | Total PAH                  | 774.7 |           | 16.89 | 3.8 | 60.8       | ug/Kg |
| 86-73-7        | Fluorene                   | 8.7   |           | 0.7   | 3.8 | 3.8        | ug/Kg |
| 534-52-1       | 4,6-Dinitro-2-methylphenol | 5     | U         | 5     | 7.7 | 7.7        | ug/Kg |
| 101-55-3       | 4-Bromophenyl-phenylether  | 0.92  | U         | 0.92  | 3.8 | 3.8        | ug/Kg |
| 118-74-1       | Hexachlorobenzene          | 0.99  | U         | 0.99  | 3.8 | 3.8        | ug/Kg |
| 1912-24-9      | Atrazine                   | 0.89  | U         | 0.89  | 3.8 | 3.8        | ug/Kg |
| 87-86-5        | Pentachlorophenol          | 3.3   | U         | 3.3   | 7.7 | 7.7        | ug/Kg |
| 85-01-8        | Phenanthrene               | 92    |           | 0.73  | 3.8 | 3.8        | ug/Kg |
| 120-12-7       | Anthracene                 | 23.8  |           | 0.92  | 3.8 | 3.8        | ug/Kg |
| 206-44-0       | Fluoranthene               | 150   |           | 0.78  | 3.8 | 3.8        | ug/Kg |
| 129-00-0       | Pyrene                     | 100   |           | 1.1   | 3.8 | 3.8        | ug/Kg |
| 56-55-3        | Benzo(a)anthracene         | 64.7  |           | 0.89  | 3.8 | 3.8        | ug/Kg |
| 218-01-9       | Chrysene                   | 62.7  |           | 1     | 3.8 | 3.8        | ug/Kg |
| 117-81-7       | Bis(2-ethylhexyl)phthalate | 3.8   | J         | 1.7   | 7.7 | 7.7        | ug/Kg |
| 205-99-2       | Benzo(b)fluoranthene       | 76    |           | 1.4   | 3.8 | 3.8        | ug/Kg |
| 207-08-9       | Benzo(k)fluoranthene       | 30.1  |           | 1.1   | 3.8 | 3.8        | ug/Kg |
| 50-32-8        | Benzo(a)pyrene             | 66    |           | 1.9   | 3.8 | 3.8        | ug/Kg |
| 193-39-5       | Indeno(1,2,3-cd)pyrene     | 33    |           | 1.5   | 3.8 | 3.8        | ug/Kg |
| 53-70-3        | Dibenzo(a,h)anthracene     | 9.8   |           | 1.4   | 3.8 | 3.8        | ug/Kg |
| 191-24-2       | Benzo(g,h,i)perylene       | 39.2  |           | 1.3   | 3.8 | 3.8        | ug/Kg |
| 123-91-1       | 1,4-Dioxane                | 2.6   | U         | 2.6   | 7.7 | 7.7        | ug/Kg |

## Report of Analysis

|                    |                      |                 |                       |
|--------------------|----------------------|-----------------|-----------------------|
| Client:            |                      | Date Collected: | 8/16/2024 12:00:00 AM |
| Project:           |                      | Date Received:  | 8/16/2024 12:00:00 AM |
| Client Sample ID:  | S-906-J-0.5-1-081624 | SDG No.:        | BN082224              |
| Lab Sample ID:     | P3660-08             | Matrix:         | Solid                 |
| Analytical Method: | 8270-Modified        | % Moisture:     | 14.2                  |
| Sample Wt/Vol:     | 30.01      Units: g  | Final Vol:      | 1000      uL          |
| Soil Aliquot Vol:  | uL                   | Test:           |                       |
| Extraction Type :  | Decanted :           | Level :         | LOW                   |
| Injection Volume : | GPC Factor :         | GPC Cleanup :   | PH :                  |

|                   |           |                       |                       |               |
|-------------------|-----------|-----------------------|-----------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date             | Date Analyzed         | Prep Batch ID |
| BN033553.D        | 1         | 8/19/2024 12:00:00 AM | 8/22/2024 12:00:00 AM | PB162844      |

| CAS Number                | Parameter               | Conc. | Qualifier | MDL    | LOD | LOQ / CRQL | Units     |
|---------------------------|-------------------------|-------|-----------|--------|-----|------------|-----------|
| <b>SURROGATES</b>         |                         |       |           |        |     |            |           |
| 7297-45-2                 | 2-Methylnaphthalene-d10 | 0.202 |           | 17-161 |     | 50         | SPK: -0.4 |
| 93951-69-0                | Fluoranthene-d10        | 0.173 |           | 23-138 |     | 43         | SPK: -0.4 |
| 367-12-4                  | 2-Fluorophenol          | 0.201 |           | 28-122 |     | 50         | SPK: -0.4 |
| 13127-88-3                | Phenol-d6               | 0.204 |           | 25-125 |     | 51         | SPK: -0.4 |
| 4165-60-0                 | Nitrobenzene-d5         | 0.232 |           | 33-121 |     | 58         | SPK: -0.4 |
| 321-60-8                  | 2-Fluorobiphenyl        | 0.187 |           | 32-121 |     | 47         | SPK: -0.4 |
| 118-79-6                  | 2,4,6-Tribromophenol    | 0.195 |           | 19-110 |     | 49         | SPK: -0.4 |
| 1718-51-0                 | Terphenyl-d14           | 0.126 |           | 21-130 |     | 31         | SPK: -0.4 |
| <b>INTERNAL STANDARDS</b> |                         |       |           |        |     |            |           |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4  | 7406  | 7.545     |        |     |            |           |
| 1146-65-2                 | Naphthalene-d8          | 19324 | 10.304    |        |     |            |           |
| 15067-26-2                | Acenaphthene-d10        | 9575  | 14.178    |        |     |            |           |
| 1517-22-2                 | Phenanthrene-d10        | 20037 | 16.929    |        |     |            |           |
| 1719-03-5                 | Chrysene-d12            | 18331 | 21.139    |        |     |            |           |
| 1520-96-3                 | Perylene-d12            | 19415 | 23.309    |        |     |            |           |

## Report of Analysis

|                    |                       |                 |                       |
|--------------------|-----------------------|-----------------|-----------------------|
| Client:            |                       | Date Collected: | 8/16/2024 12:00:00 AM |
| Project:           |                       | Date Received:  | 8/16/2024 12:00:00 AM |
| Client Sample ID:  | 916-J-SD-0.5-1-081624 | SDG No.:        | BN082224              |
| Lab Sample ID:     | P3663-08              | Matrix:         | Solid                 |
| Analytical Method: | 8270-Modified         | % Moisture:     | 52.6                  |
| Sample Wt/Vol:     | 30.01 Units: g        | Final Vol:      | 1000 uL               |
| Soil Aliquot Vol:  | uL                    | Test:           |                       |
| Extraction Type :  | Decanted :            | Level :         | LOW                   |
| Injection Volume : | GPC Factor :          | GPC Cleanup :   | PH :                  |

|                   |           |                       |                       |               |
|-------------------|-----------|-----------------------|-----------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date             | Date Analyzed         | Prep Batch ID |
| BN033554.D        | 1         | 8/19/2024 12:00:00 AM | 8/22/2024 12:00:00 AM | PB162844      |

| CAS Number     | Parameter                  | Conc. | Qualifier | MDL  | LOD  | LOQ / CRQL | Units |
|----------------|----------------------------|-------|-----------|------|------|------------|-------|
| <b>TARGETS</b> |                            |       |           |      |      |            |       |
| 62-75-9        | n-Nitrosodimethylamine     | 2.8   | U         | 2.8  | 13.9 | 13.9       | ug/Kg |
| 111-44-4       | bis(2-Chloroethyl)ether    | 1.8   | U         | 1.8  | 7    | 7          | ug/Kg |
| 91-20-3        | Naphthalene                | 1.5   | U         | 1.5  | 7    | 7          | ug/Kg |
| 87-68-3        | Hexachlorobutadiene        | 1.5   | U         | 1.5  | 7    | 7          | ug/Kg |
| 91-57-6        | 2-Methylnaphthalene        | 1.7   | U         | 1.7  | 7    | 7          | ug/Kg |
| 208-96-8       | Acenaphthylene             | 1.3   | U         | 1.3  | 7    | 7          | ug/Kg |
| 83-32-9        | Acenaphthene               | 1.2   | U         | 1.2  | 7    | 7          | ug/Kg |
| Total PAH      | Total PAH                  | 40    | U         | 30.8 | 7    | 112        | ug/Kg |
| 86-73-7        | Fluorene                   | 1.3   | U         | 1.3  | 7    | 7          | ug/Kg |
| 534-52-1       | 4,6-Dinitro-2-methylphenol | 9     | U         | 9    | 13.9 | 13.9       | ug/Kg |
| 101-55-3       | 4-Bromophenyl-phenylether  | 1.7   | U         | 1.7  | 7    | 7          | ug/Kg |
| 118-74-1       | Hexachlorobenzene          | 1.8   | U         | 1.8  | 7    | 7          | ug/Kg |
| 1912-24-9      | Atrazine                   | 1.6   | U         | 1.6  | 7    | 7          | ug/Kg |
| 87-86-5        | Pentachlorophenol          | 5.9   | U         | 5.9  | 13.9 | 13.9       | ug/Kg |
| 85-01-8        | Phenanthrene               | 3.7   | J         | 1.3  | 7    | 7          | ug/Kg |
| 120-12-7       | Anthracene                 | 1.7   | U         | 1.7  | 7    | 7          | ug/Kg |
| 206-44-0       | Fluoranthene               | 7.2   |           | 1.4  | 7    | 7          | ug/Kg |
| 129-00-0       | Pyrene                     | 5.9   | J         | 2    | 7    | 7          | ug/Kg |
| 56-55-3        | Benzo(a)anthracene         | 3.7   | J         | 1.6  | 7    | 7          | ug/Kg |
| 218-01-9       | Chrysene                   | 4.7   | J         | 1.8  | 7    | 7          | ug/Kg |
| 117-81-7       | Bis(2-ethylhexyl)phthalate | 8.6   | J         | 3.1  | 13.9 | 13.9       | ug/Kg |
| 205-99-2       | Benzo(b)fluoranthene       | 5.6   | J         | 2.5  | 7    | 7          | ug/Kg |
| 207-08-9       | Benzo(k)fluoranthene       | 2.2   | J         | 2.1  | 7    | 7          | ug/Kg |
| 50-32-8        | Benzo(a)pyrene             | 4.1   | J         | 3.5  | 7    | 7          | ug/Kg |
| 193-39-5       | Indeno(1,2,3-cd)pyrene     | 2.7   | U         | 2.7  | 7    | 7          | ug/Kg |
| 53-70-3        | Dibenzo(a,h)anthracene     | 2.5   | U         | 2.5  | 7    | 7          | ug/Kg |
| 191-24-2       | Benzo(g,h,i)perylene       | 2.9   | J         | 2.4  | 7    | 7          | ug/Kg |
| 123-91-1       | 1,4-Dioxane                | 4.7   | U         | 4.7  | 13.9 | 13.9       | ug/Kg |

## Report of Analysis

|                    |                       |                 |                       |
|--------------------|-----------------------|-----------------|-----------------------|
| Client:            |                       | Date Collected: | 8/16/2024 12:00:00 AM |
| Project:           |                       | Date Received:  | 8/16/2024 12:00:00 AM |
| Client Sample ID:  | 916-J-SD-0.5-1-081624 | SDG No.:        | BN082224              |
| Lab Sample ID:     | P3663-08              | Matrix:         | Solid                 |
| Analytical Method: | 8270-Modified         | % Moisture:     | 52.6                  |
| Sample Wt/Vol:     | 30.01      Units: g   | Final Vol:      | 1000      uL          |
| Soil Aliquot Vol:  | uL                    | Test:           |                       |
| Extraction Type :  | Decanted :            | Level :         | LOW                   |
| Injection Volume : | GPC Factor :          | GPC Cleanup :   | PH :                  |

|                   |           |                       |                       |               |
|-------------------|-----------|-----------------------|-----------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date             | Date Analyzed         | Prep Batch ID |
| BN033554.D        | 1         | 8/19/2024 12:00:00 AM | 8/22/2024 12:00:00 AM | PB162844      |

| CAS Number                | Parameter               | Conc. | Qualifier | MDL    | LOD | LOQ / CRQL | Units     |
|---------------------------|-------------------------|-------|-----------|--------|-----|------------|-----------|
| <b>SURROGATES</b>         |                         |       |           |        |     |            |           |
| 7297-45-2                 | 2-Methylnaphthalene-d10 | 0.209 |           | 17-161 |     | 52         | SPK: -0.4 |
| 93951-69-0                | Fluoranthene-d10        | 0.176 |           | 23-138 |     | 44         | SPK: -0.4 |
| 367-12-4                  | 2-Fluorophenol          | 0.209 |           | 28-122 |     | 52         | SPK: -0.4 |
| 13127-88-3                | Phenol-d6               | 0.207 |           | 25-125 |     | 52         | SPK: -0.4 |
| 4165-60-0                 | Nitrobenzene-d5         | 0.265 |           | 33-121 |     | 66         | SPK: -0.4 |
| 321-60-8                  | 2-Fluorobiphenyl        | 0.204 |           | 32-121 |     | 51         | SPK: -0.4 |
| 118-79-6                  | 2,4,6-Tribromophenol    | 0.197 |           | 19-110 |     | 49         | SPK: -0.4 |
| 1718-51-0                 | Terphenyl-d14           | 0.154 |           | 21-130 |     | 38         | SPK: -0.4 |
| <b>INTERNAL STANDARDS</b> |                         |       |           |        |     |            |           |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4  | 7277  | 7.545     |        |     |            |           |
| 1146-65-2                 | Naphthalene-d8          | 18704 | 10.304    |        |     |            |           |
| 15067-26-2                | Acenaphthene-d10        | 8929  | 14.178    |        |     |            |           |
| 1517-22-2                 | Phenanthrene-d10        | 17949 | 16.929    |        |     |            |           |
| 1719-03-5                 | Chrysene-d12            | 14804 | 21.139    |        |     |            |           |
| 1520-96-3                 | Perylene-d12            | 16545 | 23.309    |        |     |            |           |

## Report of Analysis

|                    |                            |                 |                       |
|--------------------|----------------------------|-----------------|-----------------------|
| Client:            |                            | Date Collected: | 8/15/2024 12:00:00 AM |
| Project:           |                            | Date Received:  | 8/15/2024 12:00:00 AM |
| Client Sample ID:  | 921-J-SD-0-0.5-081524-FDDL | SDG No.:        | BN082224              |
| Lab Sample ID:     | P3643-13DL                 | Matrix:         | Solid                 |
| Analytical Method: | 8270-Modified              | % Moisture:     | 17.8                  |
| Sample Wt/Vol:     | 30.08 Units: g             | Final Vol:      | 1000 uL               |
| Soil Aliquot Vol:  | uL                         | Test:           |                       |
| Extraction Type :  | Decanted :                 | Level :         | LOW                   |
| Injection Volume : | GPC Factor :               | GPC Cleanup :   | PH :                  |

|                   |           |                       |                       |               |
|-------------------|-----------|-----------------------|-----------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date             | Date Analyzed         | Prep Batch ID |
| BN033555.D        | 5         | 8/20/2024 12:00:00 AM | 8/22/2024 12:00:00 AM | PB162860      |

| CAS Number     | Parameter                  | Conc. | Qualifier | MDL  | LOD | LOQ / CRQL | Units |
|----------------|----------------------------|-------|-----------|------|-----|------------|-------|
| <b>TARGETS</b> |                            |       |           |      |     |            |       |
| 62-75-9        | n-Nitrosodimethylamine     | 7.9   | U         | 7.9  | 40  | 40         | ug/Kg |
| 111-44-4       | bis(2-Chloroethyl)ether    | 5.2   | U         | 5.2  | 20  | 20         | ug/Kg |
| 91-20-3        | Naphthalene                | 4.2   | U         | 4.2  | 20  | 20         | ug/Kg |
| 87-68-3        | Hexachlorobutadiene        | 4.2   | U         | 4.2  | 20  | 20         | ug/Kg |
| 91-57-6        | 2-Methylnaphthalene        | 4.9   | U         | 4.9  | 20  | 20         | ug/Kg |
| 208-96-8       | Acenaphthylene             | 3.8   | U         | 3.8  | 20  | 20         | ug/Kg |
| 83-32-9        | Acenaphthene               | 45.5  | D         | 3.3  | 20  | 20         | ug/Kg |
| Total PAH      | Total PAH                  | 3877  | D         | 88   | 20  | 320        | ug/Kg |
| 86-73-7        | Fluorene                   | 33.6  | D         | 3.6  | 20  | 20         | ug/Kg |
| 534-52-1       | 4,6-Dinitro-2-methylphenol | 25.8  | U         | 25.8 | 40  | 40         | ug/Kg |
| 101-55-3       | 4-Bromophenyl-phenylether  | 4.8   | U         | 4.8  | 20  | 20         | ug/Kg |
| 118-74-1       | Hexachlorobenzene          | 5.2   | U         | 5.2  | 20  | 20         | ug/Kg |
| 1912-24-9      | Atrazine                   | 4.6   | U         | 4.6  | 20  | 20         | ug/Kg |
| 87-86-5        | Pentachlorophenol          | 17.1  | U         | 17.1 | 40  | 40         | ug/Kg |
| 85-01-8        | Phenanthrene               | 430   | D         | 3.8  | 20  | 20         | ug/Kg |
| 120-12-7       | Anthracene                 | 110   | D         | 4.8  | 20  | 20         | ug/Kg |
| 206-44-0       | Fluoranthene               | 740   | D         | 4.1  | 20  | 20         | ug/Kg |
| 129-00-0       | Pyrene                     | 540   | D         | 5.8  | 20  | 20         | ug/Kg |
| 56-55-3        | Benzo(a)anthracene         | 360   | D         | 4.6  | 20  | 20         | ug/Kg |
| 218-01-9       | Chrysene                   | 310   | D         | 5.2  | 20  | 20         | ug/Kg |
| 117-81-7       | Bis(2-ethylhexyl)phthalate | 12.3  | JD        | 8.9  | 40  | 40         | ug/Kg |
| 205-99-2       | Benzo(b)fluoranthene       | 390   | D         | 7.2  | 20  | 20         | ug/Kg |
| 207-08-9       | Benzo(k)fluoranthene       | 150   | D         | 5.9  | 20  | 20         | ug/Kg |
| 50-32-8        | Benzo(a)pyrene             | 350   | D         | 10.1 | 20  | 20         | ug/Kg |
| 193-39-5       | Indeno(1,2,3-cd)pyrene     | 170   | D         | 7.6  | 20  | 20         | ug/Kg |
| 53-70-3        | Dibenzo(a,h)anthracene     | 47.9  | D         | 7.1  | 20  | 20         | ug/Kg |
| 191-24-2       | Benzo(g,h,i)perylene       | 200   | D         | 6.9  | 20  | 20         | ug/Kg |
| 123-91-1       | 1,4-Dioxane                | 13.5  | U         | 13.5 | 40  | 40         | ug/Kg |

## Report of Analysis

|                    |                            |                 |                       |
|--------------------|----------------------------|-----------------|-----------------------|
| Client:            |                            | Date Collected: | 8/15/2024 12:00:00 AM |
| Project:           |                            | Date Received:  | 8/15/2024 12:00:00 AM |
| Client Sample ID:  | 921-J-SD-0-0.5-081524-FDDL | SDG No.:        | BN082224              |
| Lab Sample ID:     | P3643-13DL                 | Matrix:         | Solid                 |
| Analytical Method: | 8270-Modified              | % Moisture:     | 17.8                  |
| Sample Wt/Vol:     | 30.08      Units:    g     | Final Vol:      | 1000              uL  |
| Soil Aliquot Vol:  | uL                         | Test:           |                       |
| Extraction Type :  | Decanted :                 | Level :         | LOW                   |
| Injection Volume : | GPC Factor :               | GPC Cleanup :   | PH :                  |

|                   |           |                       |                       |               |
|-------------------|-----------|-----------------------|-----------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date             | Date Analyzed         | Prep Batch ID |
| BN033555.D        | 5         | 8/20/2024 12:00:00 AM | 8/22/2024 12:00:00 AM | PB162860      |

| CAS Number                | Parameter               | Conc. | Qualifier | MDL    | LOD | LOQ / CRQL | Units     |
|---------------------------|-------------------------|-------|-----------|--------|-----|------------|-----------|
| <b>SURROGATES</b>         |                         |       |           |        |     |            |           |
| 7297-45-2                 | 2-Methylnaphthalene-d10 | 0.19  |           | 17-161 |     | 47         | SPK: -0.4 |
| 93951-69-0                | Fluoranthene-d10        | 0.175 |           | 23-138 |     | 44         | SPK: -0.4 |
| 367-12-4                  | 2-Fluorophenol          | 0.185 |           | 28-122 |     | 46         | SPK: -0.4 |
| 13127-88-3                | Phenol-d6               | 0.185 |           | 25-125 |     | 46         | SPK: -0.4 |
| 4165-60-0                 | Nitrobenzene-d5         | 0.22  |           | 33-121 |     | 55         | SPK: -0.4 |
| 321-60-8                  | 2-Fluorobiphenyl        | 0.2   |           | 32-121 |     | 50         | SPK: -0.4 |
| 118-79-6                  | 2,4,6-Tribromophenol    | 0.18  |           | 19-110 |     | 45         | SPK: -0.4 |
| 1718-51-0                 | Terphenyl-d14           | 0.165 |           | 21-130 |     | 41         | SPK: -0.4 |
| <b>INTERNAL STANDARDS</b> |                         |       |           |        |     |            |           |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4  | 8448  | 7.545     |        |     |            |           |
| 1146-65-2                 | Naphthalene-d8          | 22107 | 10.304    |        |     |            |           |
| 15067-26-2                | Acenaphthene-d10        | 10289 | 14.178    |        |     |            |           |
| 1517-22-2                 | Phenanthrene-d10        | 19427 | 16.929    |        |     |            |           |
| 1719-03-5                 | Chrysene-d12            | 15770 | 21.139    |        |     |            |           |
| 1520-96-3                 | Perylene-d12            | 16544 | 23.306    |        |     |            |           |

## Report of Analysis

|                    |                         |                 |                       |
|--------------------|-------------------------|-----------------|-----------------------|
| Client:            |                         | Date Collected: | 8/15/2024 12:00:00 AM |
| Project:           |                         | Date Received:  | 8/15/2024 12:00:00 AM |
| Client Sample ID:  | 918-J-SD-0-0.5-081524DL | SDG No.:        | BN082224              |
| Lab Sample ID:     | P3643-07DL              | Matrix:         | Solid                 |
| Analytical Method: | 8270-Modified           | % Moisture:     | 26.4                  |
| Sample Wt/Vol:     | 30.04      Units:    g  | Final Vol:      | 1000              uL  |
| Soil Aliquot Vol:  | uL                      | Test:           |                       |
| Extraction Type :  | Decanted :              | Level :         | LOW                   |
| Injection Volume : | GPC Factor :            | GPC Cleanup :   | PH :                  |

|                   |           |                       |                       |               |
|-------------------|-----------|-----------------------|-----------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date             | Date Analyzed         | Prep Batch ID |
| BN033556.D        | 5         | 8/20/2024 12:00:00 AM | 8/22/2024 12:00:00 AM | PB162860      |

| CAS Number     | Parameter                  | Conc.  | Qualifier | MDL  | LOD  | LOQ / CRQL | Units |
|----------------|----------------------------|--------|-----------|------|------|------------|-------|
| <b>TARGETS</b> |                            |        |           |      |      |            |       |
| 62-75-9        | n-Nitrosodimethylamine     | 8.9    | U         | 8.9  | 44.8 | 44.8       | ug/Kg |
| 111-44-4       | bis(2-Chloroethyl)ether    | 5.8    | U         | 5.8  | 22.4 | 22.4       | ug/Kg |
| 91-20-3        | Naphthalene                | 9.7    | JD        | 4.7  | 22.4 | 22.4       | ug/Kg |
| 87-68-3        | Hexachlorobutadiene        | 4.7    | U         | 4.7  | 22.4 | 22.4       | ug/Kg |
| 91-57-6        | 2-Methylnaphthalene        | 7      | JD        | 5.4  | 22.4 | 22.4       | ug/Kg |
| 208-96-8       | Acenaphthylene             | 4.3    | U         | 4.3  | 22.4 | 22.4       | ug/Kg |
| 83-32-9        | Acenaphthene               | 130    | D         | 3.7  | 22.4 | 22.4       | ug/Kg |
| Total PAH      | Total PAH                  | 3879.7 | D         | 98.5 | 22.4 | 358.4      | ug/Kg |
| 86-73-7        | Fluorene                   | 120    | D         | 4.1  | 22.4 | 22.4       | ug/Kg |
| 534-52-1       | 4,6-Dinitro-2-methylphenol | 28.8   | U         | 28.8 | 44.8 | 44.8       | ug/Kg |
| 101-55-3       | 4-Bromophenyl-phenylether  | 5.4    | U         | 5.4  | 22.4 | 22.4       | ug/Kg |
| 118-74-1       | Hexachlorobenzene          | 5.8    | U         | 5.8  | 22.4 | 22.4       | ug/Kg |
| 1912-24-9      | Atrazine                   | 5.2    | U         | 5.2  | 22.4 | 22.4       | ug/Kg |
| 87-86-5        | Pentachlorophenol          | 19.1   | U         | 19.1 | 44.8 | 44.8       | ug/Kg |
| 85-01-8        | Phenanthrene               | 510    | D         | 4.3  | 22.4 | 22.4       | ug/Kg |
| 120-12-7       | Anthracene                 | 120    | D         | 5.4  | 22.4 | 22.4       | ug/Kg |
| 206-44-0       | Fluoranthene               | 650    | D         | 4.5  | 22.4 | 22.4       | ug/Kg |
| 129-00-0       | Pyrene                     | 440    | D         | 6.4  | 22.4 | 22.4       | ug/Kg |
| 56-55-3        | Benzo(a)anthracene         | 340    | D         | 5.2  | 22.4 | 22.4       | ug/Kg |
| 218-01-9       | Chrysene                   | 330    | D         | 5.8  | 22.4 | 22.4       | ug/Kg |
| 117-81-7       | Bis(2-ethylhexyl)phthalate | 21.3   | JD        | 10   | 44.8 | 44.8       | ug/Kg |
| 205-99-2       | Benzo(b)fluoranthene       | 360    | D         | 8.1  | 22.4 | 22.4       | ug/Kg |
| 207-08-9       | Benzo(k)fluoranthene       | 150    | D         | 6.6  | 22.4 | 22.4       | ug/Kg |
| 50-32-8        | Benzo(a)pyrene             | 330    | D         | 11.3 | 22.4 | 22.4       | ug/Kg |
| 193-39-5       | Indeno(1,2,3-cd)pyrene     | 150    | D         | 8.5  | 22.4 | 22.4       | ug/Kg |
| 53-70-3        | Dibenzo(a,h)anthracene     | 50     | D         | 7.9  | 22.4 | 22.4       | ug/Kg |
| 191-24-2       | Benzo(g,h,i)perylene       | 190    | D         | 7.7  | 22.4 | 22.4       | ug/Kg |
| 123-91-1       | 1,4-Dioxane                | 15.1   | U         | 15.1 | 44.8 | 44.8       | ug/Kg |

## Report of Analysis

|                    |                         |                 |                       |
|--------------------|-------------------------|-----------------|-----------------------|
| Client:            |                         | Date Collected: | 8/15/2024 12:00:00 AM |
| Project:           |                         | Date Received:  | 8/15/2024 12:00:00 AM |
| Client Sample ID:  | 918-J-SD-0-0.5-081524DL | SDG No.:        | BN082224              |
| Lab Sample ID:     | P3643-07DL              | Matrix:         | Solid                 |
| Analytical Method: | 8270-Modified           | % Moisture:     | 26.4                  |
| Sample Wt/Vol:     | 30.04      Units:    g  | Final Vol:      | 1000              uL  |
| Soil Aliquot Vol:  | uL                      | Test:           |                       |
| Extraction Type :  | Decanted :              | Level :         | LOW                   |
| Injection Volume : | GPC Factor :            | GPC Cleanup :   | PH :                  |

|                   |           |                       |                       |               |
|-------------------|-----------|-----------------------|-----------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date             | Date Analyzed         | Prep Batch ID |
| BN033556.D        | 5         | 8/20/2024 12:00:00 AM | 8/22/2024 12:00:00 AM | PB162860      |

| CAS Number                | Parameter               | Conc. | Qualifier | MDL    | LOD | LOQ / CRQL | Units     |
|---------------------------|-------------------------|-------|-----------|--------|-----|------------|-----------|
| <b>SURROGATES</b>         |                         |       |           |        |     |            |           |
| 7297-45-2                 | 2-Methylnaphthalene-d10 | 0.13  |           | 17-161 |     | 32         | SPK: -0.4 |
| 93951-69-0                | Fluoranthene-d10        | 0.12  |           | 23-138 |     | 30         | SPK: -0.4 |
| 367-12-4                  | 2-Fluorophenol          | 0.125 |           | 28-122 |     | 31         | SPK: -0.4 |
| 13127-88-3                | Phenol-d6               | 0.13  |           | 25-125 |     | 32         | SPK: -0.4 |
| 4165-60-0                 | Nitrobenzene-d5         | 0.14  |           | 33-121 |     | 35         | SPK: -0.4 |
| 321-60-8                  | 2-Fluorobiphenyl        | 0.135 |           | 32-121 |     | 34         | SPK: -0.4 |
| 118-79-6                  | 2,4,6-Tribromophenol    | 0.14  |           | 19-110 |     | 35         | SPK: -0.4 |
| 1718-51-0                 | Terphenyl-d14           | 0.11  |           | 21-130 |     | 28         | SPK: -0.4 |
| <b>INTERNAL STANDARDS</b> |                         |       |           |        |     |            |           |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4  | 8021  | 7.545     |        |     |            |           |
| 1146-65-2                 | Naphthalene-d8          | 20435 | 10.304    |        |     |            |           |
| 15067-26-2                | Acenaphthene-d10        | 9323  | 14.178    |        |     |            |           |
| 1517-22-2                 | Phenanthrene-d10        | 17605 | 16.929    |        |     |            |           |
| 1719-03-5                 | Chrysene-d12            | 15216 | 21.139    |        |     |            |           |
| 1520-96-3                 | Perylene-d12            | 16830 | 23.309    |        |     |            |           |

## Report of Analysis

|                    |                       |                 |                       |
|--------------------|-----------------------|-----------------|-----------------------|
| Client:            |                       | Date Collected: | 8/16/2024 12:00:00 AM |
| Project:           |                       | Date Received:  | 8/16/2024 12:00:00 AM |
| Client Sample ID:  | 916-J-SD-0-0.5-081624 | SDG No.:        | BN082224              |
| Lab Sample ID:     | P3663-07              | Matrix:         | Solid                 |
| Analytical Method: | 8270-Modified         | % Moisture:     | 38.5                  |
| Sample Wt/Vol:     | 30.05 Units: g        | Final Vol:      | 1000 uL               |
| Soil Aliquot Vol:  | uL                    | Test:           |                       |
| Extraction Type :  | Decanted :            | Level :         | LOW                   |
| Injection Volume : | GPC Factor :          | GPC Cleanup :   | PH :                  |

|                   |           |                       |                       |               |
|-------------------|-----------|-----------------------|-----------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date             | Date Analyzed         | Prep Batch ID |
| BN033557.D        | 1         | 8/19/2024 12:00:00 AM | 8/22/2024 12:00:00 AM | PB162844      |

| CAS Number     | Parameter                  | Conc.  | Qualifier | MDL   | LOD  | LOQ / CRQL | Units |
|----------------|----------------------------|--------|-----------|-------|------|------------|-------|
| <b>TARGETS</b> |                            |        |           |       |      |            |       |
| 62-75-9        | n-Nitrosodimethylamine     | 2.1    | U         | 2.1   | 10.7 | 10.7       | ug/Kg |
| 111-44-4       | bis(2-Chloroethyl)ether    | 1.4    | U         | 1.4   | 5.4  | 5.4        | ug/Kg |
| 91-20-3        | Naphthalene                | 2.1    | J         | 1.1   | 5.4  | 5.4        | ug/Kg |
| 87-68-3        | Hexachlorobutadiene        | 1.1    | U         | 1.1   | 5.4  | 5.4        | ug/Kg |
| 91-57-6        | 2-Methylnaphthalene        | 1.7    | J         | 1.3   | 5.4  | 5.4        | ug/Kg |
| 208-96-8       | Acenaphthylene             | 22.5   |           | 1     | 5.4  | 5.4        | ug/Kg |
| Total PAH      | Total PAH                  | 2137.8 |           | 23.46 | 5.4  | 86.4       | ug/Kg |
| 83-32-9        | Acenaphthene               | 4      | J         | 0.89  | 5.4  | 5.4        | ug/Kg |
| 86-73-7        | Fluorene                   | 7.3    |           | 0.97  | 5.4  | 5.4        | ug/Kg |
| 534-52-1       | 4,6-Dinitro-2-methylphenol | 6.9    | U         | 6.9   | 10.7 | 10.7       | ug/Kg |
| 101-55-3       | 4-Bromophenyl-phenylether  | 1.3    | U         | 1.3   | 5.4  | 5.4        | ug/Kg |
| 118-74-1       | Hexachlorobenzene          | 1.4    | U         | 1.4   | 5.4  | 5.4        | ug/Kg |
| 1912-24-9      | Atrazine                   | 1.2    | U         | 1.2   | 5.4  | 5.4        | ug/Kg |
| 87-86-5        | Pentachlorophenol          | 4.6    | U         | 4.6   | 10.7 | 10.7       | ug/Kg |
| 85-01-8        | Phenanthrene               | 160    |           | 1     | 5.4  | 5.4        | ug/Kg |
| 120-12-7       | Anthracene                 | 35     |           | 1.3   | 5.4  | 5.4        | ug/Kg |
| 206-44-0       | Fluoranthene               | 450    | E         | 1.1   | 5.4  | 5.4        | ug/Kg |
| 129-00-0       | Pyrene                     | 290    | E         | 1.5   | 5.4  | 5.4        | ug/Kg |
| 56-55-3        | Benzo(a)anthracene         | 190    |           | 1.2   | 5.4  | 5.4        | ug/Kg |
| 218-01-9       | Chrysene                   | 190    |           | 1.4   | 5.4  | 5.4        | ug/Kg |
| 117-81-7       | Bis(2-ethylhexyl)phthalate | 10.1   | J         | 2.4   | 10.7 | 10.7       | ug/Kg |
| 205-99-2       | Benzo(b)fluoranthene       | 230    |           | 1.9   | 5.4  | 5.4        | ug/Kg |
| 207-08-9       | Benzo(k)fluoranthene       | 97.6   |           | 1.6   | 5.4  | 5.4        | ug/Kg |
| 50-32-8        | Benzo(a)pyrene             | 190    |           | 2.7   | 5.4  | 5.4        | ug/Kg |
| 193-39-5       | Indeno(1,2,3-cd)pyrene     | 110    |           | 2     | 5.4  | 5.4        | ug/Kg |
| 53-70-3        | Dibenzo(a,h)anthracene     | 29.3   |           | 1.9   | 5.4  | 5.4        | ug/Kg |
| 191-24-2       | Benzo(g,h,i)perylene       | 130    |           | 1.9   | 5.4  | 5.4        | ug/Kg |
| 123-91-1       | 1,4-Dioxane                | 3.6    | U         | 3.6   | 10.7 | 10.7       | ug/Kg |

## Report of Analysis

|                    |                       |                 |                       |
|--------------------|-----------------------|-----------------|-----------------------|
| Client:            |                       | Date Collected: | 8/16/2024 12:00:00 AM |
| Project:           |                       | Date Received:  | 8/16/2024 12:00:00 AM |
| Client Sample ID:  | 916-J-SD-0-0.5-081624 | SDG No.:        | BN082224              |
| Lab Sample ID:     | P3663-07              | Matrix:         | Solid                 |
| Analytical Method: | 8270-Modified         | % Moisture:     | 38.5                  |
| Sample Wt/Vol:     | 30.05      Units: g   | Final Vol:      | 1000      uL          |
| Soil Aliquot Vol:  | uL                    | Test:           |                       |
| Extraction Type :  | Decanted :            | Level :         | LOW                   |
| Injection Volume : | GPC Factor :          | GPC Cleanup :   | PH :                  |

|                   |           |                       |                       |               |
|-------------------|-----------|-----------------------|-----------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date             | Date Analyzed         | Prep Batch ID |
| BN033557.D        | 1         | 8/19/2024 12:00:00 AM | 8/22/2024 12:00:00 AM | PB162844      |

| CAS Number                | Parameter               | Conc. | Qualifier | MDL    | LOD | LOQ / CRQL | Units     |
|---------------------------|-------------------------|-------|-----------|--------|-----|------------|-----------|
| <b>SURROGATES</b>         |                         |       |           |        |     |            |           |
| 7297-45-2                 | 2-Methylnaphthalene-d10 | 0.148 |           | 17-161 |     | 37         | SPK: -0.4 |
| 93951-69-0                | Fluoranthene-d10        | 0.122 |           | 23-138 |     | 31         | SPK: -0.4 |
| 367-12-4                  | 2-Fluorophenol          | 0.166 |           | 28-122 |     | 41         | SPK: -0.4 |
| 13127-88-3                | Phenol-d6               | 0.162 |           | 25-125 |     | 41         | SPK: -0.4 |
| 4165-60-0                 | Nitrobenzene-d5         | 0.194 |           | 33-121 |     | 49         | SPK: -0.4 |
| 321-60-8                  | 2-Fluorobiphenyl        | 0.144 |           | 32-121 |     | 36         | SPK: -0.4 |
| 118-79-6                  | 2,4,6-Tribromophenol    | 0.144 |           | 19-110 |     | 36         | SPK: -0.4 |
| 1718-51-0                 | Terphenyl-d14           | 0.098 |           | 21-130 |     | 24         | SPK: -0.4 |
| <b>INTERNAL STANDARDS</b> |                         |       |           |        |     |            |           |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4  | 8229  | 7.545     |        |     |            |           |
| 1146-65-2                 | Naphthalene-d8          | 20757 | 10.304    |        |     |            |           |
| 15067-26-2                | Acenaphthene-d10        | 9578  | 14.178    |        |     |            |           |
| 1517-22-2                 | Phenanthrene-d10        | 18941 | 16.929    |        |     |            |           |
| 1719-03-5                 | Chrysene-d12            | 17576 | 21.139    |        |     |            |           |
| 1520-96-3                 | Perylene-d12            | 19504 | 23.311    |        |     |            |           |

## Report of Analysis

|                    |                     |                 |                       |
|--------------------|---------------------|-----------------|-----------------------|
| Client:            |                     | Date Collected: | 8/16/2024 12:00:00 AM |
| Project:           |                     | Date Received:  | 8/16/2024 12:00:00 AM |
| Client Sample ID:  | 919-J-SD-0-1-081624 | SDG No.:        | BN082224              |
| Lab Sample ID:     | P3663-12            | Matrix:         | Solid                 |
| Analytical Method: | 8270-Modified       | % Moisture:     | 81.9                  |
| Sample Wt/Vol:     | 30.05 Units: g      | Final Vol:      | 1000 uL               |
| Soil Aliquot Vol:  | uL                  | Test:           |                       |
| Extraction Type :  | Decanted :          | Level :         | LOW                   |
| Injection Volume : | GPC Factor :        | GPC Cleanup :   | PH :                  |

|                   |           |                       |                       |               |
|-------------------|-----------|-----------------------|-----------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date             | Date Analyzed         | Prep Batch ID |
| BN033558.D        | 1         | 8/19/2024 12:00:00 AM | 8/22/2024 12:00:00 AM | PB162844      |

| CAS Number     | Parameter                  | Conc.  | Qualifier | MDL  | LOD  | LOQ / CRQL | Units |
|----------------|----------------------------|--------|-----------|------|------|------------|-------|
| <b>TARGETS</b> |                            |        |           |      |      |            |       |
| 62-75-9        | n-Nitrosodimethylamine     | 7.2    | U         | 7.2  | 36.4 | 36.4       | ug/Kg |
| 111-44-4       | bis(2-Chloroethyl)ether    | 4.7    | U         | 4.7  | 18.2 | 18.2       | ug/Kg |
| 91-20-3        | Naphthalene                | 3.8    | U         | 3.8  | 18.2 | 18.2       | ug/Kg |
| 87-68-3        | Hexachlorobutadiene        | 3.8    | U         | 3.8  | 18.2 | 18.2       | ug/Kg |
| 91-57-6        | 2-Methylnaphthalene        | 4.4    | U         | 4.4  | 18.2 | 18.2       | ug/Kg |
| 208-96-8       | Acenaphthylene             | 6.4    | J         | 3.5  | 18.2 | 18.2       | ug/Kg |
| 83-32-9        | Acenaphthene               | 18.4   |           | 3    | 18.2 | 18.2       | ug/Kg |
| Total PAH      | Total PAH                  | 7140.1 |           | 80.2 | 18.2 | 291.2      | ug/Kg |
| 86-73-7        | Fluorene                   | 24.5   |           | 3.3  | 18.2 | 18.2       | ug/Kg |
| 534-52-1       | 4,6-Dinitro-2-methylphenol | 23.4   | U         | 23.4 | 36.4 | 36.4       | ug/Kg |
| 101-55-3       | 4-Bromophenyl-phenylether  | 4.4    | U         | 4.4  | 18.2 | 18.2       | ug/Kg |
| 118-74-1       | Hexachlorobenzene          | 4.7    | U         | 4.7  | 18.2 | 18.2       | ug/Kg |
| 1912-24-9      | Atrazine                   | 4.2    | U         | 4.2  | 18.2 | 18.2       | ug/Kg |
| 87-86-5        | Pentachlorophenol          | 15.6   | U         | 15.6 | 36.4 | 36.4       | ug/Kg |
| 85-01-8        | Phenanthrene               | 530    |           | 3.5  | 18.2 | 18.2       | ug/Kg |
| 120-12-7       | Anthracene                 | 40.8   |           | 4.4  | 18.2 | 18.2       | ug/Kg |
| 206-44-0       | Fluoranthene               | 1500   | E         | 3.7  | 18.2 | 18.2       | ug/Kg |
| 129-00-0       | Pyrene                     | 910    |           | 5.2  | 18.2 | 18.2       | ug/Kg |
| 56-55-3        | Benzo(a)anthracene         | 500    |           | 4.2  | 18.2 | 18.2       | ug/Kg |
| 218-01-9       | Chrysene                   | 710    |           | 4.7  | 18.2 | 18.2       | ug/Kg |
| 117-81-7       | Bis(2-ethylhexyl)phthalate | 22.1   | J         | 8.1  | 36.4 | 36.4       | ug/Kg |
| 205-99-2       | Benzo(b)fluoranthene       | 930    | E         | 6.6  | 18.2 | 18.2       | ug/Kg |
| 207-08-9       | Benzo(k)fluoranthene       | 330    |           | 5.4  | 18.2 | 18.2       | ug/Kg |
| 50-32-8        | Benzo(a)pyrene             | 630    |           | 9.2  | 18.2 | 18.2       | ug/Kg |
| 193-39-5       | Indeno(1,2,3-cd)pyrene     | 410    |           | 6.9  | 18.2 | 18.2       | ug/Kg |
| 53-70-3        | Dibenzo(a,h)anthracene     | 110    |           | 6.5  | 18.2 | 18.2       | ug/Kg |
| 191-24-2       | Benzo(g,h,i)perylene       | 490    |           | 6.3  | 18.2 | 18.2       | ug/Kg |
| 123-91-1       | 1,4-Dioxane                | 12.2   | U         | 12.2 | 36.4 | 36.4       | ug/Kg |

## Report of Analysis

|                    |                     |                 |                       |
|--------------------|---------------------|-----------------|-----------------------|
| Client:            |                     | Date Collected: | 8/16/2024 12:00:00 AM |
| Project:           |                     | Date Received:  | 8/16/2024 12:00:00 AM |
| Client Sample ID:  | 919-J-SD-0-1-081624 | SDG No.:        | BN082224              |
| Lab Sample ID:     | P3663-12            | Matrix:         | Solid                 |
| Analytical Method: | 8270-Modified       | % Moisture:     | 81.9                  |
| Sample Wt/Vol:     | 30.05      Units: g | Final Vol:      | 1000      uL          |
| Soil Aliquot Vol:  | uL                  | Test:           |                       |
| Extraction Type :  | Decanted :          | Level :         | LOW                   |
| Injection Volume : | GPC Factor :        | GPC Cleanup :   | PH :                  |

|                   |           |                       |                       |               |
|-------------------|-----------|-----------------------|-----------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date             | Date Analyzed         | Prep Batch ID |
| BN033558.D        | 1         | 8/19/2024 12:00:00 AM | 8/22/2024 12:00:00 AM | PB162844      |

| CAS Number                | Parameter               | Conc. | Qualifier | MDL    | LOD | LOQ / CRQL | Units     |
|---------------------------|-------------------------|-------|-----------|--------|-----|------------|-----------|
| <b>SURROGATES</b>         |                         |       |           |        |     |            |           |
| 7297-45-2                 | 2-Methylnaphthalene-d10 | 0.099 |           | 17-161 |     | 25         | SPK: -0.4 |
| 93951-69-0                | Fluoranthene-d10        | 0.07  | *         | 23-138 |     | 17         | SPK: -0.4 |
| 367-12-4                  | 2-Fluorophenol          | 0.114 |           | 28-122 |     | 28         | SPK: -0.4 |
| 13127-88-3                | Phenol-d6               | 0.113 |           | 25-125 |     | 28         | SPK: -0.4 |
| 4165-60-0                 | Nitrobenzene-d5         | 0.119 | *         | 33-121 |     | 30         | SPK: -0.4 |
| 321-60-8                  | 2-Fluorobiphenyl        | 0.094 | *         | 32-121 |     | 23         | SPK: -0.4 |
| 118-79-6                  | 2,4,6-Tribromophenol    | 0.106 |           | 19-110 |     | 26         | SPK: -0.4 |
| 1718-51-0                 | Terphenyl-d14           | 0.052 | *         | 21-130 |     | 13         | SPK: -0.4 |
| <b>INTERNAL STANDARDS</b> |                         |       |           |        |     |            |           |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4  | 7795  |           | 7.545  |     |            |           |
| 1146-65-2                 | Naphthalene-d8          | 19738 |           | 10.304 |     |            |           |
| 15067-26-2                | Acenaphthene-d10        | 9172  |           | 14.178 |     |            |           |
| 1517-22-2                 | Phenanthrene-d10        | 18185 |           | 16.929 |     |            |           |
| 1719-03-5                 | Chrysene-d12            | 16263 |           | 21.139 |     |            |           |
| 1520-96-3                 | Perylene-d12            | 17555 |           | 23.309 |     |            |           |

## Report of Analysis

|                    |                        |                 |                       |
|--------------------|------------------------|-----------------|-----------------------|
| Client:            |                        | Date Collected: | 8/16/2024 12:00:00 AM |
| Project:           |                        | Date Received:  | 8/16/2024 12:00:00 AM |
| Client Sample ID:  | S-901-J-0.5-1-081624   | SDG No.:        | BN082224              |
| Lab Sample ID:     | P3660-02               | Matrix:         | Solid                 |
| Analytical Method: | 8270-Modified          | % Moisture:     | 12.8                  |
| Sample Wt/Vol:     | 30.01      Units:    g | Final Vol:      | 1000              uL  |
| Soil Aliquot Vol:  | uL                     | Test:           |                       |
| Extraction Type :  | Decanted :             | Level :         | LOW                   |
| Injection Volume : | GPC Factor :           | GPC Cleanup :   | PH :                  |

|                   |           |                       |                       |               |
|-------------------|-----------|-----------------------|-----------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date             | Date Analyzed         | Prep Batch ID |
| BN033559.D        | 1         | 8/19/2024 12:00:00 AM | 8/22/2024 12:00:00 AM | PB162844      |

| CAS Number     | Parameter                  | Conc.  | Qualifier | MDL   | LOD | LOQ / CRQL | Units |
|----------------|----------------------------|--------|-----------|-------|-----|------------|-------|
| <b>TARGETS</b> |                            |        |           |       |     |            |       |
| 62-75-9        | n-Nitrosodimethylamine     | 1.5    | U         | 1.5   | 7.6 | 7.6        | ug/Kg |
| 111-44-4       | bis(2-Chloroethyl)ether    | 0.97   | U         | 0.97  | 3.8 | 3.8        | ug/Kg |
| 91-20-3        | Naphthalene                | 1.6    | J         | 0.79  | 3.8 | 3.8        | ug/Kg |
| 87-68-3        | Hexachlorobutadiene        | 0.79   | U         | 0.79  | 3.8 | 3.8        | ug/Kg |
| 91-57-6        | 2-Methylnaphthalene        | 1.3    | J         | 0.92  | 3.8 | 3.8        | ug/Kg |
| 208-96-8       | Acenaphthylene             | 6.1    |           | 0.72  | 3.8 | 3.8        | ug/Kg |
| 83-32-9        | Acenaphthene               | 4.9    |           | 0.63  | 3.8 | 3.8        | ug/Kg |
| Total PAH      | Total PAH                  | 1104.9 |           | 16.59 | 3.8 | 60.8       | ug/Kg |
| 86-73-7        | Fluorene                   | 5.3    |           | 0.69  | 3.8 | 3.8        | ug/Kg |
| 534-52-1       | 4,6-Dinitro-2-methylphenol | 4.9    | U         | 4.9   | 7.6 | 7.6        | ug/Kg |
| 101-55-3       | 4-Bromophenyl-phenylether  | 0.91   | U         | 0.91  | 3.8 | 3.8        | ug/Kg |
| 118-74-1       | Hexachlorobenzene          | 0.97   | U         | 0.97  | 3.8 | 3.8        | ug/Kg |
| 1912-24-9      | Atrazine                   | 0.87   | U         | 0.87  | 3.8 | 3.8        | ug/Kg |
| 87-86-5        | Pentachlorophenol          | 3.2    | U         | 3.2   | 7.6 | 7.6        | ug/Kg |
| 85-01-8        | Phenanthrene               | 79.8   |           | 0.72  | 3.8 | 3.8        | ug/Kg |
| 120-12-7       | Anthracene                 | 21.2   |           | 0.91  | 3.8 | 3.8        | ug/Kg |
| 206-44-0       | Fluoranthene               | 190    | E         | 0.77  | 3.8 | 3.8        | ug/Kg |
| 129-00-0       | Pyrene                     | 140    |           | 1.1   | 3.8 | 3.8        | ug/Kg |
| 56-55-3        | Benzo(a)anthracene         | 100    |           | 0.87  | 3.8 | 3.8        | ug/Kg |
| 218-01-9       | Chrysene                   | 97.4   |           | 0.99  | 3.8 | 3.8        | ug/Kg |
| 117-81-7       | Bis(2-ethylhexyl)phthalate | 9.2    |           | 1.7   | 7.6 | 7.6        | ug/Kg |
| 205-99-2       | Benzo(b)fluoranthene       | 140    |           | 1.4   | 3.8 | 3.8        | ug/Kg |
| 207-08-9       | Benzo(k)fluoranthene       | 51.5   |           | 1.1   | 3.8 | 3.8        | ug/Kg |
| 50-32-8        | Benzo(a)pyrene             | 120    |           | 1.9   | 3.8 | 3.8        | ug/Kg |
| 193-39-5       | Indeno(1,2,3-cd)pyrene     | 59.5   |           | 1.4   | 3.8 | 3.8        | ug/Kg |
| 53-70-3        | Dibenzo(a,h)anthracene     | 18.3   |           | 1.3   | 3.8 | 3.8        | ug/Kg |
| 191-24-2       | Benzo(g,h,i)perylene       | 69.3   |           | 1.3   | 3.8 | 3.8        | ug/Kg |
| 123-91-1       | 1,4-Dioxane                | 2.5    | U         | 2.5   | 7.6 | 7.6        | ug/Kg |

## Report of Analysis

|                    |                        |                 |                       |
|--------------------|------------------------|-----------------|-----------------------|
| Client:            |                        | Date Collected: | 8/16/2024 12:00:00 AM |
| Project:           |                        | Date Received:  | 8/16/2024 12:00:00 AM |
| Client Sample ID:  | S-901-J-0.5-1-081624   | SDG No.:        | BN082224              |
| Lab Sample ID:     | P3660-02               | Matrix:         | Solid                 |
| Analytical Method: | 8270-Modified          | % Moisture:     | 12.8                  |
| Sample Wt/Vol:     | 30.01      Units:    g | Final Vol:      | 1000              uL  |
| Soil Aliquot Vol:  | uL                     | Test:           |                       |
| Extraction Type :  | Decanted :             | Level :         | LOW                   |
| Injection Volume : | GPC Factor :           | GPC Cleanup :   | PH :                  |

|                   |           |                       |                       |               |
|-------------------|-----------|-----------------------|-----------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date             | Date Analyzed         | Prep Batch ID |
| BN033559.D        | 1         | 8/19/2024 12:00:00 AM | 8/22/2024 12:00:00 AM | PB162844      |

| CAS Number                | Parameter               | Conc. | Qualifier | MDL    | LOD | LOQ / CRQL | Units     |
|---------------------------|-------------------------|-------|-----------|--------|-----|------------|-----------|
| <b>SURROGATES</b>         |                         |       |           |        |     |            |           |
| 7297-45-2                 | 2-Methylnaphthalene-d10 | 0.167 |           | 17-161 |     | 42         | SPK: -0.4 |
| 93951-69-0                | Fluoranthene-d10        | 0.137 |           | 23-138 |     | 34         | SPK: -0.4 |
| 367-12-4                  | 2-Fluorophenol          | 0.151 |           | 28-122 |     | 38         | SPK: -0.4 |
| 13127-88-3                | Phenol-d6               | 0.158 |           | 25-125 |     | 40         | SPK: -0.4 |
| 4165-60-0                 | Nitrobenzene-d5         | 0.189 |           | 33-121 |     | 47         | SPK: -0.4 |
| 321-60-8                  | 2-Fluorobiphenyl        | 0.158 |           | 32-121 |     | 40         | SPK: -0.4 |
| 118-79-6                  | 2,4,6-Tribromophenol    | 0.158 |           | 19-110 |     | 40         | SPK: -0.4 |
| 1718-51-0                 | Terphenyl-d14           | 0.103 |           | 21-130 |     | 26         | SPK: -0.4 |
| <b>INTERNAL STANDARDS</b> |                         |       |           |        |     |            |           |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4  | 7749  | 7.545     |        |     |            |           |
| 1146-65-2                 | Naphthalene-d8          | 19594 | 10.304    |        |     |            |           |
| 15067-26-2                | Acenaphthene-d10        | 9500  | 14.178    |        |     |            |           |
| 1517-22-2                 | Phenanthrene-d10        | 19308 | 16.929    |        |     |            |           |
| 1719-03-5                 | Chrysene-d12            | 17490 | 21.139    |        |     |            |           |
| 1520-96-3                 | Perylene-d12            | 18970 | 23.309    |        |     |            |           |

## Report of Analysis

|                    |                        |                 |                       |
|--------------------|------------------------|-----------------|-----------------------|
| Client:            |                        | Date Collected: | 8/19/2024 12:00:00 AM |
| Project:           |                        | Date Received:  | 8/19/2024 12:00:00 AM |
| Client Sample ID:  | PB162844BS             | SDG No.:        | BN082224              |
| Lab Sample ID:     | PB162844BS             | Matrix:         | Solid                 |
| Analytical Method: | 8270-Modified          | % Moisture:     | 0                     |
| Sample Wt/Vol:     | 30.02      Units:    g | Final Vol:      | 1000              uL  |
| Soil Aliquot Vol:  | uL                     | Test:           |                       |
| Extraction Type :  | Decanted :             | Level :         | LOW                   |
| Injection Volume : | GPC Factor :           | GPC Cleanup :   | PH :                  |

|                   |           |                       |                       |               |
|-------------------|-----------|-----------------------|-----------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date             | Date Analyzed         | Prep Batch ID |
| BN033560.D        | 1         | 8/19/2024 12:00:00 AM | 8/22/2024 12:00:00 AM | PB162844      |

| CAS Number     | Parameter                  | Conc. | Qualifier | MDL   | LOD | LOQ / CRQL | Units |
|----------------|----------------------------|-------|-----------|-------|-----|------------|-------|
| <b>TARGETS</b> |                            |       |           |       |     |            |       |
| 62-75-9        | n-Nitrosodimethylamine     | 11.2  |           | 1.3   | 6.6 | 6.6        | ug/Kg |
| 111-44-4       | bis(2-Chloroethyl)ether    | 13.6  |           | 0.85  | 3.3 | 3.3        | ug/Kg |
| 91-20-3        | Naphthalene                | 12.8  |           | 0.69  | 3.3 | 3.3        | ug/Kg |
| 87-68-3        | Hexachlorobutadiene        | 12.6  |           | 0.69  | 3.3 | 3.3        | ug/Kg |
| 91-57-6        | 2-Methylnaphthalene        | 12.5  |           | 0.8   | 3.3 | 3.3        | ug/Kg |
| 208-96-8       | Acenaphthylene             | 13.3  |           | 0.63  | 3.3 | 3.3        | ug/Kg |
| 83-32-9        | Acenaphthene               | 12.6  |           | 0.55  | 3.3 | 3.3        | ug/Kg |
| Total PAH      | Total PAH                  | 219.1 |           | 14.61 | 3.3 | 52.8       | ug/Kg |
| 86-73-7        | Fluorene                   | 11.9  |           | 0.6   | 3.3 | 3.3        | ug/Kg |
| 534-52-1       | 4,6-Dinitro-2-methylphenol | 7.2   |           | 4.2   | 6.6 | 6.6        | ug/Kg |
| 101-55-3       | 4-Bromophenyl-phenylether  | 12.6  |           | 0.79  | 3.3 | 3.3        | ug/Kg |
| 118-74-1       | Hexachlorobenzene          | 12.8  |           | 0.85  | 3.3 | 3.3        | ug/Kg |
| 1912-24-9      | Atrazine                   | 12.7  |           | 0.76  | 3.3 | 3.3        | ug/Kg |
| 87-86-5        | Pentachlorophenol          | 25.6  |           | 2.8   | 6.6 | 6.6        | ug/Kg |
| 85-01-8        | Phenanthrene               | 13.4  |           | 0.63  | 3.3 | 3.3        | ug/Kg |
| 120-12-7       | Anthracene                 | 13.6  |           | 0.79  | 3.3 | 3.3        | ug/Kg |
| 206-44-0       | Fluoranthene               | 13.2  |           | 0.67  | 3.3 | 3.3        | ug/Kg |
| 129-00-0       | Pyrene                     | 11.5  |           | 0.95  | 3.3 | 3.3        | ug/Kg |
| 56-55-3        | Benzo(a)anthracene         | 14.7  |           | 0.76  | 3.3 | 3.3        | ug/Kg |
| 218-01-9       | Chrysene                   | 14.9  |           | 0.86  | 3.3 | 3.3        | ug/Kg |
| 117-81-7       | Bis(2-ethylhexyl)phthalate | 12.6  |           | 1.5   | 6.6 | 6.6        | ug/Kg |
| 205-99-2       | Benzo(b)fluoranthene       | 13.7  |           | 1.2   | 3.3 | 3.3        | ug/Kg |
| 207-08-9       | Benzo(k)fluoranthene       | 14.2  |           | 0.98  | 3.3 | 3.3        | ug/Kg |
| 50-32-8        | Benzo(a)pyrene             | 15.7  |           | 1.7   | 3.3 | 3.3        | ug/Kg |
| 193-39-5       | Indeno(1,2,3-cd)pyrene     | 15.1  |           | 1.3   | 3.3 | 3.3        | ug/Kg |
| 53-70-3        | Dibenzo(a,h)anthracene     | 14.8  |           | 1.2   | 3.3 | 3.3        | ug/Kg |
| 191-24-2       | Benzo(g,h,i)perylene       | 13.7  |           | 1.1   | 3.3 | 3.3        | ug/Kg |
| 123-91-1       | 1,4-Dioxane                | 10.3  |           | 2.2   | 6.6 | 6.6        | ug/Kg |

## Report of Analysis

|                    |                     |                 |                       |
|--------------------|---------------------|-----------------|-----------------------|
| Client:            |                     | Date Collected: | 8/19/2024 12:00:00 AM |
| Project:           |                     | Date Received:  | 8/19/2024 12:00:00 AM |
| Client Sample ID:  | PB162844BS          | SDG No.:        | BN082224              |
| Lab Sample ID:     | PB162844BS          | Matrix:         | Solid                 |
| Analytical Method: | 8270-Modified       | % Moisture:     | 0                     |
| Sample Wt/Vol:     | 30.02      Units: g | Final Vol:      | 1000      uL          |
| Soil Aliquot Vol:  | uL                  | Test:           |                       |
| Extraction Type :  | Decanted :          | Level :         | LOW                   |
| Injection Volume : | GPC Factor :        | GPC Cleanup :   | PH :                  |

|                   |           |                       |                       |               |
|-------------------|-----------|-----------------------|-----------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date             | Date Analyzed         | Prep Batch ID |
| BN033560.D        | 1         | 8/19/2024 12:00:00 AM | 8/22/2024 12:00:00 AM | PB162844      |

| CAS Number                | Parameter               | Conc. | Qualifier | MDL    | LOD | LOQ / CRQL | Units     |
|---------------------------|-------------------------|-------|-----------|--------|-----|------------|-----------|
| <b>SURROGATES</b>         |                         |       |           |        |     |            |           |
| 7297-45-2                 | 2-Methylnaphthalene-d10 | 0.527 |           | 17-161 |     | 132        | SPK: -0.4 |
| 93951-69-0                | Fluoranthene-d10        | 0.384 |           | 23-138 |     | 96         | SPK: -0.4 |
| 367-12-4                  | 2-Fluorophenol          | 0.318 |           | 28-122 |     | 79         | SPK: -0.4 |
| 13127-88-3                | Phenol-d6               | 0.311 |           | 25-125 |     | 78         | SPK: -0.4 |
| 4165-60-0                 | Nitrobenzene-d5         | 0.366 |           | 33-121 |     | 91         | SPK: -0.4 |
| 321-60-8                  | 2-Fluorobiphenyl        | 0.389 |           | 32-121 |     | 97         | SPK: -0.4 |
| 118-79-6                  | 2,4,6-Tribromophenol    | 0.295 |           | 19-110 |     | 74         | SPK: -0.4 |
| 1718-51-0                 | Terphenyl-d14           | 0.348 |           | 21-130 |     | 87         | SPK: -0.4 |
| <b>INTERNAL STANDARDS</b> |                         |       |           |        |     |            |           |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4  | 7890  | 7.545     |        |     |            |           |
| 1146-65-2                 | Naphthalene-d8          | 19993 | 10.304    |        |     |            |           |
| 15067-26-2                | Acenaphthene-d10        | 8878  | 14.178    |        |     |            |           |
| 1517-22-2                 | Phenanthrene-d10        | 16514 | 16.929    |        |     |            |           |
| 1719-03-5                 | Chrysene-d12            | 13670 | 21.139    |        |     |            |           |
| 1520-96-3                 | Perylene-d12            | 15332 | 23.306    |        |     |            |           |

## Report of Analysis

|                    |                        |                 |                       |
|--------------------|------------------------|-----------------|-----------------------|
| Client:            |                        | Date Collected: | 8/21/2024 12:00:00 AM |
| Project:           |                        | Date Received:  | 8/21/2024 12:00:00 AM |
| Client Sample ID:  | PB162880BL             | SDG No.:        | BN082224              |
| Lab Sample ID:     | PB162880BL             | Matrix:         | Solid                 |
| Analytical Method: | 8270-Modified          | % Moisture:     | 0                     |
| Sample Wt/Vol:     | 30.02      Units:    g | Final Vol:      | 1000              uL  |
| Soil Aliquot Vol:  | uL                     | Test:           |                       |
| Extraction Type :  | Decanted :             | Level :         | LOW                   |
| Injection Volume : | GPC Factor :           | GPC Cleanup :   | PH :                  |

|                   |           |                       |                       |               |
|-------------------|-----------|-----------------------|-----------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date             | Date Analyzed         | Prep Batch ID |
| BN033564.D        | 1         | 8/21/2024 12:00:00 AM | 8/22/2024 12:00:00 AM | PB162880      |

| CAS Number     | Parameter                  | Conc. | Qualifier | MDL   | LOD | LOQ / CRQL | Units |
|----------------|----------------------------|-------|-----------|-------|-----|------------|-------|
| <b>TARGETS</b> |                            |       |           |       |     |            |       |
| 62-75-9        | n-Nitrosodimethylamine     | 1.3   | U         | 1.3   | 6.6 | 6.6        | ug/Kg |
| 111-44-4       | bis(2-Chloroethyl)ether    | 0.85  | U         | 0.85  | 3.3 | 3.3        | ug/Kg |
| 91-20-3        | Naphthalene                | 0.69  | U         | 0.69  | 3.3 | 3.3        | ug/Kg |
| 87-68-3        | Hexachlorobutadiene        | 0.69  | U         | 0.69  | 3.3 | 3.3        | ug/Kg |
| 91-57-6        | 2-Methylnaphthalene        | 0.8   | U         | 0.8   | 3.3 | 3.3        | ug/Kg |
| 208-96-8       | Acenaphthylene             | 0.63  | U         | 0.63  | 3.3 | 3.3        | ug/Kg |
| 83-32-9        | Acenaphthene               | 0.55  | U         | 0.55  | 3.3 | 3.3        | ug/Kg |
| Total PAH      | Total PAH                  | 14.61 | U         | 14.61 | 3.3 | 52.8       | ug/Kg |
| 86-73-7        | Fluorene                   | 0.6   | U         | 0.6   | 3.3 | 3.3        | ug/Kg |
| 534-52-1       | 4,6-Dinitro-2-methylphenol | 4.2   | U         | 4.2   | 6.6 | 6.6        | ug/Kg |
| 101-55-3       | 4-Bromophenyl-phenylether  | 0.79  | U         | 0.79  | 3.3 | 3.3        | ug/Kg |
| 118-74-1       | Hexachlorobenzene          | 0.85  | U         | 0.85  | 3.3 | 3.3        | ug/Kg |
| 1912-24-9      | Atrazine                   | 0.76  | U         | 0.76  | 3.3 | 3.3        | ug/Kg |
| 87-86-5        | Pentachlorophenol          | 2.8   | U         | 2.8   | 6.6 | 6.6        | ug/Kg |
| 85-01-8        | Phenanthrene               | 0.63  | U         | 0.63  | 3.3 | 3.3        | ug/Kg |
| 120-12-7       | Anthracene                 | 0.79  | U         | 0.79  | 3.3 | 3.3        | ug/Kg |
| 206-44-0       | Fluoranthene               | 0.67  | U         | 0.67  | 3.3 | 3.3        | ug/Kg |
| 129-00-0       | Pyrene                     | 0.95  | U         | 0.95  | 3.3 | 3.3        | ug/Kg |
| 56-55-3        | Benzo(a)anthracene         | 0.76  | U         | 0.76  | 3.3 | 3.3        | ug/Kg |
| 218-01-9       | Chrysene                   | 0.86  | U         | 0.86  | 3.3 | 3.3        | ug/Kg |
| 117-81-7       | Bis(2-ethylhexyl)phthalate | 1.5   | U         | 1.5   | 6.6 | 6.6        | ug/Kg |
| 205-99-2       | Benzo(b)fluoranthene       | 1.2   | U         | 1.2   | 3.3 | 3.3        | ug/Kg |
| 207-08-9       | Benzo(k)fluoranthene       | 0.98  | U         | 0.98  | 3.3 | 3.3        | ug/Kg |
| 50-32-8        | Benzo(a)pyrene             | 1.7   | U         | 1.7   | 3.3 | 3.3        | ug/Kg |
| 193-39-5       | Indeno(1,2,3-cd)pyrene     | 1.3   | U         | 1.3   | 3.3 | 3.3        | ug/Kg |
| 53-70-3        | Dibenzo(a,h)anthracene     | 1.2   | U         | 1.2   | 3.3 | 3.3        | ug/Kg |
| 191-24-2       | Benzo(g,h,i)perylene       | 1.1   | U         | 1.1   | 3.3 | 3.3        | ug/Kg |
| 123-91-1       | 1,4-Dioxane                | 2.2   | U         | 2.2   | 6.6 | 6.6        | ug/Kg |

## Report of Analysis

|                    |                |                 |                       |
|--------------------|----------------|-----------------|-----------------------|
| Client:            |                | Date Collected: | 8/21/2024 12:00:00 AM |
| Project:           |                | Date Received:  | 8/21/2024 12:00:00 AM |
| Client Sample ID:  | PB162880BL     | SDG No.:        | BN082224              |
| Lab Sample ID:     | PB162880BL     | Matrix:         | Solid                 |
| Analytical Method: | 8270-Modified  | % Moisture:     | 0                     |
| Sample Wt/Vol:     | 30.02 Units: g | Final Vol:      | 1000 uL               |
| Soil Aliquot Vol:  | uL             | Test:           |                       |
| Extraction Type :  | Decanted :     | Level :         | LOW                   |
| Injection Volume : | GPC Factor :   | GPC Cleanup :   | PH :                  |

|                   |           |                       |                       |               |
|-------------------|-----------|-----------------------|-----------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date             | Date Analyzed         | Prep Batch ID |
| BN033564.D        | 1         | 8/21/2024 12:00:00 AM | 8/22/2024 12:00:00 AM | PB162880      |

| CAS Number                | Parameter               | Conc. | Qualifier | MDL    | LOD | LOQ / CRQL | Units     |
|---------------------------|-------------------------|-------|-----------|--------|-----|------------|-----------|
| <b>SURROGATES</b>         |                         |       |           |        |     |            |           |
| 7297-45-2                 | 2-Methylnaphthalene-d10 | 0.361 |           | 17-161 |     | 90         | SPK: -0.4 |
| 93951-69-0                | Fluoranthene-d10        | 0.4   |           | 23-138 |     | 100        | SPK: -0.4 |
| 367-12-4                  | 2-Fluorophenol          | 0.305 |           | 28-122 |     | 76         | SPK: -0.4 |
| 13127-88-3                | Phenol-d6               | 0.301 |           | 25-125 |     | 75         | SPK: -0.4 |
| 4165-60-0                 | Nitrobenzene-d5         | 0.384 |           | 33-121 |     | 96         | SPK: -0.4 |
| 321-60-8                  | 2-Fluorobiphenyl        | 0.399 |           | 32-121 |     | 100        | SPK: -0.4 |
| 118-79-6                  | 2,4,6-Tribromophenol    | 0.252 |           | 19-110 |     | 63         | SPK: -0.4 |
| 1718-51-0                 | Terphenyl-d14           | 0.365 |           | 21-130 |     | 91         | SPK: -0.4 |
| <b>INTERNAL STANDARDS</b> |                         |       |           |        |     |            |           |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4  | 6432  | 7.545     |        |     |            |           |
| 1146-65-2                 | Naphthalene-d8          | 16127 | 10.304    |        |     |            |           |
| 15067-26-2                | Acenaphthene-d10        | 7236  | 14.178    |        |     |            |           |
| 1517-22-2                 | Phenanthrene-d10        | 13552 | 16.929    |        |     |            |           |
| 1719-03-5                 | Chrysene-d12            | 11004 | 21.139    |        |     |            |           |
| 1520-96-3                 | Perylene-d12            | 11993 | 23.306    |        |     |            |           |

## Report of Analysis

|                    |                |                 |                       |
|--------------------|----------------|-----------------|-----------------------|
| Client:            |                | Date Collected: | 8/21/2024 12:00:00 AM |
| Project:           |                | Date Received:  | 8/21/2024 12:00:00 AM |
| Client Sample ID:  | PB162880BS     | SDG No.:        | BN082224              |
| Lab Sample ID:     | PB162880BS     | Matrix:         | Solid                 |
| Analytical Method: | 8270-Modified  | % Moisture:     | 0                     |
| Sample Wt/Vol:     | 30.01 Units: g | Final Vol:      | 1000 uL               |
| Soil Aliquot Vol:  | uL             | Test:           |                       |
| Extraction Type :  | Decanted :     | Level :         | LOW                   |
| Injection Volume : | GPC Factor :   | GPC Cleanup :   | PH :                  |

|                   |           |                       |                       |               |
|-------------------|-----------|-----------------------|-----------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date             | Date Analyzed         | Prep Batch ID |
| BN033565.D        | 1         | 8/21/2024 12:00:00 AM | 8/22/2024 12:00:00 AM | PB162880      |

| CAS Number     | Parameter                  | Conc. | Qualifier | MDL   | LOD | LOQ / CRQL | Units |
|----------------|----------------------------|-------|-----------|-------|-----|------------|-------|
| <b>TARGETS</b> |                            |       |           |       |     |            |       |
| 62-75-9        | n-Nitrosodimethylamine     | 11.8  |           | 1.3   | 6.6 | 6.6        | ug/Kg |
| 111-44-4       | bis(2-Chloroethyl)ether    | 12.6  |           | 0.85  | 3.3 | 3.3        | ug/Kg |
| 91-20-3        | Naphthalene                | 12    |           | 0.69  | 3.3 | 3.3        | ug/Kg |
| 87-68-3        | Hexachlorobutadiene        | 12.1  |           | 0.69  | 3.3 | 3.3        | ug/Kg |
| 91-57-6        | 2-Methylnaphthalene        | 11.5  |           | 0.8   | 3.3 | 3.3        | ug/Kg |
| 208-96-8       | Acenaphthylene             | 12.2  |           | 0.63  | 3.3 | 3.3        | ug/Kg |
| 83-32-9        | Acenaphthene               | 11.8  |           | 0.55  | 3.3 | 3.3        | ug/Kg |
| Total PAH      | Total PAH                  | 194.1 |           | 14.61 | 3.3 | 52.8       | ug/Kg |
| 86-73-7        | Fluorene                   | 11    |           | 0.6   | 3.3 | 3.3        | ug/Kg |
| 534-52-1       | 4,6-Dinitro-2-methylphenol | 6.7   |           | 4.2   | 6.6 | 6.6        | ug/Kg |
| 101-55-3       | 4-Bromophenyl-phenylether  | 11.8  |           | 0.79  | 3.3 | 3.3        | ug/Kg |
| 118-74-1       | Hexachlorobenzene          | 12    |           | 0.85  | 3.3 | 3.3        | ug/Kg |
| 1912-24-9      | Atrazine                   | 11.4  |           | 0.76  | 3.3 | 3.3        | ug/Kg |
| 87-86-5        | Pentachlorophenol          | 19.7  |           | 2.8   | 6.6 | 6.6        | ug/Kg |
| 85-01-8        | Phenanthrene               | 12.5  |           | 0.63  | 3.3 | 3.3        | ug/Kg |
| 120-12-7       | Anthracene                 | 12.4  |           | 0.79  | 3.3 | 3.3        | ug/Kg |
| 206-44-0       | Fluoranthene               | 11.9  |           | 0.67  | 3.3 | 3.3        | ug/Kg |
| 129-00-0       | Pyrene                     | 10.7  |           | 0.95  | 3.3 | 3.3        | ug/Kg |
| 56-55-3        | Benzo(a)anthracene         | 12.1  |           | 0.76  | 3.3 | 3.3        | ug/Kg |
| 218-01-9       | Chrysene                   | 12.7  |           | 0.86  | 3.3 | 3.3        | ug/Kg |
| 117-81-7       | Bis(2-ethylhexyl)phthalate | 9.6   |           | 1.5   | 6.6 | 6.6        | ug/Kg |
| 205-99-2       | Benzo(b)fluoranthene       | 11.8  |           | 1.2   | 3.3 | 3.3        | ug/Kg |
| 207-08-9       | Benzo(k)fluoranthene       | 12    |           | 0.98  | 3.3 | 3.3        | ug/Kg |
| 50-32-8        | Benzo(a)pyrene             | 13.1  |           | 1.7   | 3.3 | 3.3        | ug/Kg |
| 193-39-5       | Indeno(1,2,3-cd)pyrene     | 13    |           | 1.3   | 3.3 | 3.3        | ug/Kg |
| 53-70-3        | Dibenzo(a,h)anthracene     | 12.8  |           | 1.2   | 3.3 | 3.3        | ug/Kg |
| 191-24-2       | Benzo(g,h,i)perylene       | 12.1  |           | 1.1   | 3.3 | 3.3        | ug/Kg |
| 123-91-1       | 1,4-Dioxane                | 9.9   |           | 2.2   | 6.6 | 6.6        | ug/Kg |

## Report of Analysis

|                    |                     |                 |                       |
|--------------------|---------------------|-----------------|-----------------------|
| Client:            |                     | Date Collected: | 8/21/2024 12:00:00 AM |
| Project:           |                     | Date Received:  | 8/21/2024 12:00:00 AM |
| Client Sample ID:  | PB162880BS          | SDG No.:        | BN082224              |
| Lab Sample ID:     | PB162880BS          | Matrix:         | Solid                 |
| Analytical Method: | 8270-Modified       | % Moisture:     | 0                     |
| Sample Wt/Vol:     | 30.01      Units: g | Final Vol:      | 1000      uL          |
| Soil Aliquot Vol:  | uL                  | Test:           |                       |
| Extraction Type :  | Decanted :          | Level :         | LOW                   |
| Injection Volume : | GPC Factor :        | GPC Cleanup :   | PH :                  |

|                   |           |                       |                       |               |
|-------------------|-----------|-----------------------|-----------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date             | Date Analyzed         | Prep Batch ID |
| BN033565.D        | 1         | 8/21/2024 12:00:00 AM | 8/22/2024 12:00:00 AM | PB162880      |

| CAS Number                | Parameter               | Conc. | Qualifier | MDL    | LOD | LOQ / CRQL | Units     |
|---------------------------|-------------------------|-------|-----------|--------|-----|------------|-----------|
| <b>SURROGATES</b>         |                         |       |           |        |     |            |           |
| 7297-45-2                 | 2-Methylnaphthalene-d10 | 0.371 |           | 17-161 |     | 93         | SPK: -0.4 |
| 93951-69-0                | Fluoranthene-d10        | 0.355 |           | 23-138 |     | 89         | SPK: -0.4 |
| 367-12-4                  | 2-Fluorophenol          | 0.286 |           | 28-122 |     | 72         | SPK: -0.4 |
| 13127-88-3                | Phenol-d6               | 0.277 |           | 25-125 |     | 69         | SPK: -0.4 |
| 4165-60-0                 | Nitrobenzene-d5         | 0.358 |           | 33-121 |     | 90         | SPK: -0.4 |
| 321-60-8                  | 2-Fluorobiphenyl        | 0.386 |           | 32-121 |     | 97         | SPK: -0.4 |
| 118-79-6                  | 2,4,6-Tribromophenol    | 0.238 |           | 19-110 |     | 60         | SPK: -0.4 |
| 1718-51-0                 | Terphenyl-d14           | 0.32  |           | 21-130 |     | 80         | SPK: -0.4 |
| <b>INTERNAL STANDARDS</b> |                         |       |           |        |     |            |           |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4  | 7155  | 7.545     |        |     |            |           |
| 1146-65-2                 | Naphthalene-d8          | 18004 | 10.304    |        |     |            |           |
| 15067-26-2                | Acenaphthene-d10        | 7779  | 14.178    |        |     |            |           |
| 1517-22-2                 | Phenanthrene-d10        | 14031 | 16.929    |        |     |            |           |
| 1719-03-5                 | Chrysene-d12            | 11303 | 21.139    |        |     |            |           |
| 1520-96-3                 | Perylene-d12            | 12304 | 23.306    |        |     |            |           |

## Report of Analysis

|                    |                         |                 |                       |
|--------------------|-------------------------|-----------------|-----------------------|
| Client:            |                         | Date Collected: | 8/19/2024 12:00:00 AM |
| Project:           |                         | Date Received:  | 8/19/2024 12:00:00 AM |
| Client Sample ID:  | S-912-J-SO-0.5-1-081924 | SDG No.:        | BN082224              |
| Lab Sample ID:     | P3671-14                | Matrix:         | Solid                 |
| Analytical Method: | 8270-Modified           | % Moisture:     | 48.5                  |
| Sample Wt/Vol:     | 30.04 Units: g          | Final Vol:      | 1000 uL               |
| Soil Aliquot Vol:  | uL                      | Test:           |                       |
| Extraction Type :  | Decanted :              | Level :         | LOW                   |
| Injection Volume : | GPC Factor :            | GPC Cleanup :   | PH :                  |

|                   |           |                       |                       |               |
|-------------------|-----------|-----------------------|-----------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date             | Date Analyzed         | Prep Batch ID |
| BN033566.D        | 1         | 8/21/2024 12:00:00 AM | 8/22/2024 12:00:00 AM | PB162880      |

| CAS Number     | Parameter                  | Conc. | Qualifier | MDL  | LOD  | LOQ / CRQL | Units |
|----------------|----------------------------|-------|-----------|------|------|------------|-------|
| <b>TARGETS</b> |                            |       |           |      |      |            |       |
| 62-75-9        | n-Nitrosodimethylamine     | 2.5   | U         | 2.5  | 12.8 | 12.8       | ug/Kg |
| 111-44-4       | bis(2-Chloroethyl)ether    | 1.6   | U         | 1.6  | 6.4  | 6.4        | ug/Kg |
| 91-20-3        | Naphthalene                | 1.3   | U         | 1.3  | 6.4  | 6.4        | ug/Kg |
| 87-68-3        | Hexachlorobutadiene        | 1.3   | U         | 1.3  | 6.4  | 6.4        | ug/Kg |
| 91-57-6        | 2-Methylnaphthalene        | 1.6   | U         | 1.6  | 6.4  | 6.4        | ug/Kg |
| 208-96-8       | Acenaphthylene             | 1.2   | U         | 1.2  | 6.4  | 6.4        | ug/Kg |
| 83-32-9        | Acenaphthene               | 1.1   | U         | 1.1  | 6.4  | 6.4        | ug/Kg |
| Total PAH      | Total PAH                  | 28.1  | U         | 28.1 | 6.4  | 102.4      | ug/Kg |
| 86-73-7        | Fluorene                   | 1.2   | U         | 1.2  | 6.4  | 6.4        | ug/Kg |
| 534-52-1       | 4,6-Dinitro-2-methylphenol | 8.2   | U         | 8.2  | 12.8 | 12.8       | ug/Kg |
| 101-55-3       | 4-Bromophenyl-phenylether  | 1.5   | U         | 1.5  | 6.4  | 6.4        | ug/Kg |
| 118-74-1       | Hexachlorobenzene          | 1.6   | U         | 1.6  | 6.4  | 6.4        | ug/Kg |
| 1912-24-9      | Atrazine                   | 1.5   | U         | 1.5  | 6.4  | 6.4        | ug/Kg |
| 87-86-5        | Pentachlorophenol          | 5.5   | U         | 5.5  | 12.8 | 12.8       | ug/Kg |
| 85-01-8        | Phenanthrene               | 2.3   | J         | 1.2  | 6.4  | 6.4        | ug/Kg |
| 120-12-7       | Anthracene                 | 1.5   | U         | 1.5  | 6.4  | 6.4        | ug/Kg |
| 206-44-0       | Fluoranthene               | 4.4   | J         | 1.3  | 6.4  | 6.4        | ug/Kg |
| 129-00-0       | Pyrene                     | 3.4   | J         | 1.8  | 6.4  | 6.4        | ug/Kg |
| 56-55-3        | Benzo(a)anthracene         | 2.2   | J         | 1.5  | 6.4  | 6.4        | ug/Kg |
| 218-01-9       | Chrysene                   | 2.7   | J         | 1.7  | 6.4  | 6.4        | ug/Kg |
| 117-81-7       | Bis(2-ethylhexyl)phthalate | 3.7   | J         | 2.9  | 12.8 | 12.8       | ug/Kg |
| 205-99-2       | Benzo(b)fluoranthene       | 3.4   | J         | 2.3  | 6.4  | 6.4        | ug/Kg |
| 207-08-9       | Benzo(k)fluoranthene       | 1.9   | U         | 1.9  | 6.4  | 6.4        | ug/Kg |
| 50-32-8        | Benzo(a)pyrene             | 3.2   | U         | 3.2  | 6.4  | 6.4        | ug/Kg |
| 193-39-5       | Indeno(1,2,3-cd)pyrene     | 2.4   | U         | 2.4  | 6.4  | 6.4        | ug/Kg |
| 53-70-3        | Dibenzo(a,h)anthracene     | 2.3   | U         | 2.3  | 6.4  | 6.4        | ug/Kg |
| 191-24-2       | Benzo(g,h,i)perylene       | 2.2   | U         | 2.2  | 6.4  | 6.4        | ug/Kg |
| 123-91-1       | 1,4-Dioxane                | 4.3   | U         | 4.3  | 12.8 | 12.8       | ug/Kg |

## Report of Analysis

|                    |                         |                 |                       |
|--------------------|-------------------------|-----------------|-----------------------|
| Client:            |                         | Date Collected: | 8/19/2024 12:00:00 AM |
| Project:           |                         | Date Received:  | 8/19/2024 12:00:00 AM |
| Client Sample ID:  | S-912-J-SO-0.5-1-081924 | SDG No.:        | BN082224              |
| Lab Sample ID:     | P3671-14                | Matrix:         | Solid                 |
| Analytical Method: | 8270-Modified           | % Moisture:     | 48.5                  |
| Sample Wt/Vol:     | 30.04      Units:    g  | Final Vol:      | 1000              uL  |
| Soil Aliquot Vol:  | uL                      | Test:           |                       |
| Extraction Type :  | Decanted :              | Level :         | LOW                   |
| Injection Volume : | GPC Factor :            | GPC Cleanup :   | PH :                  |

|                   |           |                       |                       |               |
|-------------------|-----------|-----------------------|-----------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date             | Date Analyzed         | Prep Batch ID |
| BN033566.D        | 1         | 8/21/2024 12:00:00 AM | 8/22/2024 12:00:00 AM | PB162880      |

| CAS Number                | Parameter               | Conc. | Qualifier | MDL    | LOD | LOQ / CRQL | Units     |
|---------------------------|-------------------------|-------|-----------|--------|-----|------------|-----------|
| <b>SURROGATES</b>         |                         |       |           |        |     |            |           |
| 7297-45-2                 | 2-Methylnaphthalene-d10 | 0.13  |           | 17-161 |     | 32         | SPK: -0.4 |
| 93951-69-0                | Fluoranthene-d10        | 0.095 |           | 23-138 |     | 24         | SPK: -0.4 |
| 367-12-4                  | 2-Fluorophenol          | 0.128 |           | 28-122 |     | 32         | SPK: -0.4 |
| 13127-88-3                | Phenol-d6               | 0.13  |           | 25-125 |     | 32         | SPK: -0.4 |
| 4165-60-0                 | Nitrobenzene-d5         | 0.165 |           | 33-121 |     | 41         | SPK: -0.4 |
| 321-60-8                  | 2-Fluorobiphenyl        | 0.132 |           | 32-121 |     | 33         | SPK: -0.4 |
| 118-79-6                  | 2,4,6-Tribromophenol    | 0.114 |           | 19-110 |     | 28         | SPK: -0.4 |
| 1718-51-0                 | Terphenyl-d14           | 0.081 | *         | 21-130 |     | 20         | SPK: -0.4 |
| <b>INTERNAL STANDARDS</b> |                         |       |           |        |     |            |           |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4  | 7004  | 7.545     |        |     |            |           |
| 1146-65-2                 | Naphthalene-d8          | 17932 | 10.304    |        |     |            |           |
| 15067-26-2                | Acenaphthene-d10        | 8339  | 14.178    |        |     |            |           |
| 1517-22-2                 | Phenanthrene-d10        | 15941 | 16.929    |        |     |            |           |
| 1719-03-5                 | Chrysene-d12            | 12739 | 21.139    |        |     |            |           |
| 1520-96-3                 | Perylene-d12            | 14091 | 23.303    |        |     |            |           |

## Report of Analysis

|                    |                          |                 |                       |
|--------------------|--------------------------|-----------------|-----------------------|
| Client:            |                          | Date Collected: | 8/19/2024 12:00:00 AM |
| Project:           |                          | Date Received:  | 8/19/2024 12:00:00 AM |
| Client Sample ID:  | S-911-K1-SO-0-0.5-081924 | SDG No.:        | BN082224              |
| Lab Sample ID:     | P3671-03                 | Matrix:         | Solid                 |
| Analytical Method: | 8270-Modified            | % Moisture:     | 53.1                  |
| Sample Wt/Vol:     | 30.07      Units:    g   | Final Vol:      | 1000              uL  |
| Soil Aliquot Vol:  | uL                       | Test:           |                       |
| Extraction Type :  | Decanted :               | Level :         | LOW                   |
| Injection Volume : | GPC Factor :             | GPC Cleanup :   | PH :                  |

|                   |           |                       |                       |               |
|-------------------|-----------|-----------------------|-----------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date             | Date Analyzed         | Prep Batch ID |
| BN033567.D        | 1         | 8/21/2024 12:00:00 AM | 8/23/2024 12:00:00 AM | PB162880      |

| CAS Number     | Parameter                  | Conc. | Qualifier | MDL  | LOD | LOQ / CRQL | Units |
|----------------|----------------------------|-------|-----------|------|-----|------------|-------|
| <b>TARGETS</b> |                            |       |           |      |     |            |       |
| 62-75-9        | n-Nitrosodimethylamine     | 2.8   | U         | 2.8  | 14  | 14         | ug/Kg |
| 111-44-4       | bis(2-Chloroethyl)ether    | 1.8   | U         | 1.8  | 7   | 7          | ug/Kg |
| 91-20-3        | Naphthalene                | 2.3   | J         | 1.5  | 7   | 7          | ug/Kg |
| 87-68-3        | Hexachlorobutadiene        | 1.5   | U         | 1.5  | 7   | 7          | ug/Kg |
| 91-57-6        | 2-Methylnaphthalene        | 2.7   | J         | 1.7  | 7   | 7          | ug/Kg |
| 208-96-8       | Acenaphthylene             | 2.7   | J         | 1.3  | 7   | 7          | ug/Kg |
| 83-32-9        | Acenaphthene               | 1.6   | J         | 1.2  | 7   | 7          | ug/Kg |
| Total PAH      | Total PAH                  | 298.4 |           | 30.8 | 7   | 112        | ug/Kg |
| 86-73-7        | Fluorene                   | 4.3   | J         | 1.3  | 7   | 7          | ug/Kg |
| 534-52-1       | 4,6-Dinitro-2-methylphenol | 9     | U         | 9    | 14  | 14         | ug/Kg |
| 101-55-3       | 4-Bromophenyl-phenylether  | 1.7   | U         | 1.7  | 7   | 7          | ug/Kg |
| 118-74-1       | Hexachlorobenzene          | 1.8   | U         | 1.8  | 7   | 7          | ug/Kg |
| 1912-24-9      | Atrazine                   | 1.6   | U         | 1.6  | 7   | 7          | ug/Kg |
| 87-86-5        | Pentachlorophenol          | 6     | U         | 6    | 14  | 14         | ug/Kg |
| 85-01-8        | Phenanthrene               | 23.5  |           | 1.3  | 7   | 7          | ug/Kg |
| 120-12-7       | Anthracene                 | 4.2   | J         | 1.7  | 7   | 7          | ug/Kg |
| 206-44-0       | Fluoranthene               | 53.1  |           | 1.4  | 7   | 7          | ug/Kg |
| 129-00-0       | Pyrene                     | 37.4  |           | 2    | 7   | 7          | ug/Kg |
| 56-55-3        | Benzo(a)anthracene         | 21.6  |           | 1.6  | 7   | 7          | ug/Kg |
| 218-01-9       | Chrysene                   | 29.1  |           | 1.8  | 7   | 7          | ug/Kg |
| 117-81-7       | Bis(2-ethylhexyl)phthalate | 5.2   | J         | 3.1  | 14  | 14         | ug/Kg |
| 205-99-2       | Benzo(b)fluoranthene       | 36.1  |           | 2.5  | 7   | 7          | ug/Kg |
| 207-08-9       | Benzo(k)fluoranthene       | 13.8  |           | 2.1  | 7   | 7          | ug/Kg |
| 50-32-8        | Benzo(a)pyrene             | 27.4  |           | 3.5  | 7   | 7          | ug/Kg |
| 193-39-5       | Indeno(1,2,3-cd)pyrene     | 16.7  |           | 2.7  | 7   | 7          | ug/Kg |
| 53-70-3        | Dibenzo(a,h)anthracene     | 4.8   | J         | 2.5  | 7   | 7          | ug/Kg |
| 191-24-2       | Benzo(g,h,i)perylene       | 19.8  |           | 2.4  | 7   | 7          | ug/Kg |
| 123-91-1       | 1,4-Dioxane                | 4.7   | U         | 4.7  | 14  | 14         | ug/Kg |

## Report of Analysis

|                    |                          |                 |                       |
|--------------------|--------------------------|-----------------|-----------------------|
| Client:            |                          | Date Collected: | 8/19/2024 12:00:00 AM |
| Project:           |                          | Date Received:  | 8/19/2024 12:00:00 AM |
| Client Sample ID:  | S-911-K1-SO-0-0.5-081924 | SDG No.:        | BN082224              |
| Lab Sample ID:     | P3671-03                 | Matrix:         | Solid                 |
| Analytical Method: | 8270-Modified            | % Moisture:     | 53.1                  |
| Sample Wt/Vol:     | 30.07      Units: g      | Final Vol:      | 1000      uL          |
| Soil Aliquot Vol:  | uL                       | Test:           |                       |
| Extraction Type :  | Decanted :               | Level :         | LOW                   |
| Injection Volume : | GPC Factor :             | GPC Cleanup :   | PH :                  |

|                   |           |                       |                       |               |
|-------------------|-----------|-----------------------|-----------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date             | Date Analyzed         | Prep Batch ID |
| BN033567.D        | 1         | 8/21/2024 12:00:00 AM | 8/23/2024 12:00:00 AM | PB162880      |

| CAS Number                | Parameter               | Conc. | Qualifier | MDL    | LOD | LOQ / CRQL | Units     |
|---------------------------|-------------------------|-------|-----------|--------|-----|------------|-----------|
| <b>SURROGATES</b>         |                         |       |           |        |     |            |           |
| 7297-45-2                 | 2-Methylnaphthalene-d10 | 0.211 |           | 17-161 |     | 53         | SPK: -0.4 |
| 93951-69-0                | Fluoranthene-d10        | 0.178 |           | 23-138 |     | 44         | SPK: -0.4 |
| 367-12-4                  | 2-Fluorophenol          | 0.206 |           | 28-122 |     | 51         | SPK: -0.4 |
| 13127-88-3                | Phenol-d6               | 0.202 |           | 25-125 |     | 50         | SPK: -0.4 |
| 4165-60-0                 | Nitrobenzene-d5         | 0.293 |           | 33-121 |     | 73         | SPK: -0.4 |
| 321-60-8                  | 2-Fluorobiphenyl        | 0.21  |           | 32-121 |     | 52         | SPK: -0.4 |
| 118-79-6                  | 2,4,6-Tribromophenol    | 0.197 |           | 19-110 |     | 49         | SPK: -0.4 |
| 1718-51-0                 | Terphenyl-d14           | 0.144 |           | 21-130 |     | 36         | SPK: -0.4 |
| <b>INTERNAL STANDARDS</b> |                         |       |           |        |     |            |           |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4  | 7027  | 7.545     |        |     |            |           |
| 1146-65-2                 | Naphthalene-d8          | 17952 | 10.303    |        |     |            |           |
| 15067-26-2                | Acenaphthene-d10        | 8336  | 14.178    |        |     |            |           |
| 1517-22-2                 | Phenanthrene-d10        | 17399 | 16.929    |        |     |            |           |
| 1719-03-5                 | Chrysene-d12            | 14980 | 21.139    |        |     |            |           |
| 1520-96-3                 | Perylene-d12            | 17231 | 23.303    |        |     |            |           |

## Report of Analysis

|                    |                          |                 |                       |
|--------------------|--------------------------|-----------------|-----------------------|
| Client:            |                          | Date Collected: | 8/19/2024 12:00:00 AM |
| Project:           |                          | Date Received:  | 8/19/2024 12:00:00 AM |
| Client Sample ID:  | S-905-KJ-SO-0-0.5-081924 | SDG No.:        | BN082224              |
| Lab Sample ID:     | P3671-06                 | Matrix:         | Solid                 |
| Analytical Method: | 8270-Modified            | % Moisture:     | 21.8                  |
| Sample Wt/Vol:     | 30.07 Units: g           | Final Vol:      | 1000 uL               |
| Soil Aliquot Vol:  | uL                       | Test:           |                       |
| Extraction Type :  | Decanted :               | Level :         | LOW                   |
| Injection Volume : | GPC Factor :             | GPC Cleanup :   | PH :                  |

|                   |           |                       |                       |               |
|-------------------|-----------|-----------------------|-----------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date             | Date Analyzed         | Prep Batch ID |
| BN033568.D        | 1         | 8/21/2024 12:00:00 AM | 8/23/2024 12:00:00 AM | PB162880      |

| CAS Number     | Parameter                  | Conc.  | Qualifier | MDL   | LOD | LOQ / CRQL | Units |
|----------------|----------------------------|--------|-----------|-------|-----|------------|-------|
| <b>TARGETS</b> |                            |        |           |       |     |            |       |
| 62-75-9        | n-Nitrosodimethylamine     | 1.7    | U         | 1.7   | 8.4 | 8.4        | ug/Kg |
| 111-44-4       | bis(2-Chloroethyl)ether    | 1.1    | U         | 1.1   | 4.2 | 4.2        | ug/Kg |
| 91-20-3        | Naphthalene                | 2      | J         | 0.88  | 4.2 | 4.2        | ug/Kg |
| 87-68-3        | Hexachlorobutadiene        | 0.88   | U         | 0.88  | 4.2 | 4.2        | ug/Kg |
| 91-57-6        | 2-Methylnaphthalene        | 1.6    | J         | 1     | 4.2 | 4.2        | ug/Kg |
| 208-96-8       | Acenaphthylene             | 2.4    | J         | 0.8   | 4.2 | 4.2        | ug/Kg |
| 83-32-9        | Acenaphthene               | 18     |           | 0.7   | 4.2 | 4.2        | ug/Kg |
| Total PAH      | Total PAH                  | 2136.9 |           | 18.57 | 4.2 | 67.2       | ug/Kg |
| 86-73-7        | Fluorene                   | 15.5   |           | 0.77  | 4.2 | 4.2        | ug/Kg |
| 534-52-1       | 4,6-Dinitro-2-methylphenol | 5.4    | U         | 5.4   | 8.4 | 8.4        | ug/Kg |
| 101-55-3       | 4-Bromophenyl-phenylether  | 1      | U         | 1     | 4.2 | 4.2        | ug/Kg |
| 118-74-1       | Hexachlorobenzene          | 1.1    | U         | 1.1   | 4.2 | 4.2        | ug/Kg |
| 1912-24-9      | Atrazine                   | 0.97   | U         | 0.97  | 4.2 | 4.2        | ug/Kg |
| 87-86-5        | Pentachlorophenol          | 3.6    | U         | 3.6   | 8.4 | 8.4        | ug/Kg |
| 85-01-8        | Phenanthrene               | 210    |           | 0.8   | 4.2 | 4.2        | ug/Kg |
| 120-12-7       | Anthracene                 | 45.8   |           | 1     | 4.2 | 4.2        | ug/Kg |
| 206-44-0       | Fluoranthene               | 380    | E         | 0.85  | 4.2 | 4.2        | ug/Kg |
| 129-00-0       | Pyrene                     | 270    | E         | 1.2   | 4.2 | 4.2        | ug/Kg |
| 56-55-3        | Benzo(a)anthracene         | 190    |           | 0.97  | 4.2 | 4.2        | ug/Kg |
| 218-01-9       | Chrysene                   | 190    |           | 1.1   | 4.2 | 4.2        | ug/Kg |
| 117-81-7       | Bis(2-ethylhexyl)phthalate | 73.1   |           | 1.9   | 8.4 | 8.4        | ug/Kg |
| 205-99-2       | Benzo(b)fluoranthene       | 250    | E         | 1.5   | 4.2 | 4.2        | ug/Kg |
| 207-08-9       | Benzo(k)fluoranthene       | 91.7   |           | 1.3   | 4.2 | 4.2        | ug/Kg |
| 50-32-8        | Benzo(a)pyrene             | 210    |           | 2.1   | 4.2 | 4.2        | ug/Kg |
| 193-39-5       | Indeno(1,2,3-cd)pyrene     | 110    |           | 1.6   | 4.2 | 4.2        | ug/Kg |
| 53-70-3        | Dibenzo(a,h)anthracene     | 31.5   |           | 1.5   | 4.2 | 4.2        | ug/Kg |
| 191-24-2       | Benzo(g,h,i)perylene       | 120    |           | 1.5   | 4.2 | 4.2        | ug/Kg |
| 123-91-1       | 1,4-Dioxane                | 2.8    | U         | 2.8   | 8.4 | 8.4        | ug/Kg |

## Report of Analysis

|                    |                          |                 |                       |
|--------------------|--------------------------|-----------------|-----------------------|
| Client:            |                          | Date Collected: | 8/19/2024 12:00:00 AM |
| Project:           |                          | Date Received:  | 8/19/2024 12:00:00 AM |
| Client Sample ID:  | S-905-KJ-SO-0-0.5-081924 | SDG No.:        | BN082224              |
| Lab Sample ID:     | P3671-06                 | Matrix:         | Solid                 |
| Analytical Method: | 8270-Modified            | % Moisture:     | 21.8                  |
| Sample Wt/Vol:     | 30.07      Units:    g   | Final Vol:      | 1000              uL  |
| Soil Aliquot Vol:  | uL                       | Test:           |                       |
| Extraction Type :  | Decanted :               | Level :         | LOW                   |
| Injection Volume : | GPC Factor :             | GPC Cleanup :   | PH :                  |

|                   |           |                       |                       |               |
|-------------------|-----------|-----------------------|-----------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date             | Date Analyzed         | Prep Batch ID |
| BN033568.D        | 1         | 8/21/2024 12:00:00 AM | 8/23/2024 12:00:00 AM | PB162880      |

| CAS Number                | Parameter               | Conc. | Qualifier | MDL    | LOD | LOQ / CRQL | Units     |
|---------------------------|-------------------------|-------|-----------|--------|-----|------------|-----------|
| <b>SURROGATES</b>         |                         |       |           |        |     |            |           |
| 7297-45-2                 | 2-Methylnaphthalene-d10 | 0.159 |           | 17-161 |     | 40         | SPK: -0.4 |
| 93951-69-0                | Fluoranthene-d10        | 0.114 |           | 23-138 |     | 28         | SPK: -0.4 |
| 367-12-4                  | 2-Fluorophenol          | 0.16  |           | 28-122 |     | 40         | SPK: -0.4 |
| 13127-88-3                | Phenol-d6               | 0.167 |           | 25-125 |     | 42         | SPK: -0.4 |
| 4165-60-0                 | Nitrobenzene-d5         | 0.188 |           | 33-121 |     | 47         | SPK: -0.4 |
| 321-60-8                  | 2-Fluorobiphenyl        | 0.153 |           | 32-121 |     | 38         | SPK: -0.4 |
| 118-79-6                  | 2,4,6-Tribromophenol    | 0.147 |           | 19-110 |     | 37         | SPK: -0.4 |
| 1718-51-0                 | Terphenyl-d14           | 0.089 |           | 21-130 |     | 22         | SPK: -0.4 |
| <b>INTERNAL STANDARDS</b> |                         |       |           |        |     |            |           |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4  | 7735  | 7.545     |        |     |            |           |
| 1146-65-2                 | Naphthalene-d8          | 20459 | 10.304    |        |     |            |           |
| 15067-26-2                | Acenaphthene-d10        | 9843  | 14.178    |        |     |            |           |
| 1517-22-2                 | Phenanthrene-d10        | 18367 | 16.929    |        |     |            |           |
| 1719-03-5                 | Chrysene-d12            | 15413 | 21.139    |        |     |            |           |
| 1520-96-3                 | Perylene-d12            | 16704 | 23.303    |        |     |            |           |

## Report of Analysis

|                    |                          |                 |                       |
|--------------------|--------------------------|-----------------|-----------------------|
| Client:            |                          | Date Collected: | 8/19/2024 12:00:00 AM |
| Project:           |                          | Date Received:  | 8/19/2024 12:00:00 AM |
| Client Sample ID:  | S-928-K1-SO-0-0.5-081924 | SDG No.:        | BN082224              |
| Lab Sample ID:     | P3671-09                 | Matrix:         | Solid                 |
| Analytical Method: | 8270-Modified            | % Moisture:     | 52                    |
| Sample Wt/Vol:     | 30.09 Units: g           | Final Vol:      | 1000 uL               |
| Soil Aliquot Vol:  | uL                       | Test:           |                       |
| Extraction Type :  | Decanted :               | Level :         | LOW                   |
| Injection Volume : | GPC Factor :             | GPC Cleanup :   | PH :                  |

|                   |           |                       |                       |               |
|-------------------|-----------|-----------------------|-----------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date             | Date Analyzed         | Prep Batch ID |
| BN033569.D        | 1         | 8/21/2024 12:00:00 AM | 8/23/2024 12:00:00 AM | PB162880      |

| CAS Number     | Parameter                  | Conc. | Qualifier | MDL | LOD  | LOQ / CRQL | Units |
|----------------|----------------------------|-------|-----------|-----|------|------------|-------|
| <b>TARGETS</b> |                            |       |           |     |      |            |       |
| 62-75-9        | n-Nitrosodimethylamine     | 2.7   | U         | 2.7 | 13.7 | 13.7       | ug/Kg |
| 111-44-4       | bis(2-Chloroethyl)ether    | 1.8   | U         | 1.8 | 6.9  | 6.9        | ug/Kg |
| 91-20-3        | Naphthalene                | 1.4   | U         | 1.4 | 6.9  | 6.9        | ug/Kg |
| 87-68-3        | Hexachlorobutadiene        | 1.4   | U         | 1.4 | 6.9  | 6.9        | ug/Kg |
| 91-57-6        | 2-Methylnaphthalene        | 1.7   | U         | 1.7 | 6.9  | 6.9        | ug/Kg |
| 208-96-8       | Acenaphthylene             | 2     | J         | 1.3 | 6.9  | 6.9        | ug/Kg |
| 83-32-9        | Acenaphthene               | 1.1   | U         | 1.1 | 6.9  | 6.9        | ug/Kg |
| Total PAH      | Total PAH                  | 167   | U         | 30  | 6.9  | 110.4      | ug/Kg |
| 86-73-7        | Fluorene                   | 1.2   | U         | 1.2 | 6.9  | 6.9        | ug/Kg |
| 534-52-1       | 4,6-Dinitro-2-methylphenol | 8.8   | U         | 8.8 | 13.7 | 13.7       | ug/Kg |
| 101-55-3       | 4-Bromophenyl-phenylether  | 1.6   | U         | 1.6 | 6.9  | 6.9        | ug/Kg |
| 118-74-1       | Hexachlorobenzene          | 1.8   | U         | 1.8 | 6.9  | 6.9        | ug/Kg |
| 1912-24-9      | Atrazine                   | 1.6   | U         | 1.6 | 6.9  | 6.9        | ug/Kg |
| 87-86-5        | Pentachlorophenol          | 5.9   | U         | 5.9 | 13.7 | 13.7       | ug/Kg |
| 85-01-8        | Phenanthrene               | 13    |           | 1.3 | 6.9  | 6.9        | ug/Kg |
| 120-12-7       | Anthracene                 | 2.2   | J         | 1.6 | 6.9  | 6.9        | ug/Kg |
| 206-44-0       | Fluoranthene               | 28.7  |           | 1.4 | 6.9  | 6.9        | ug/Kg |
| 129-00-0       | Pyrene                     | 23    |           | 2   | 6.9  | 6.9        | ug/Kg |
| 56-55-3        | Benzo(a)anthracene         | 12.9  |           | 1.6 | 6.9  | 6.9        | ug/Kg |
| 218-01-9       | Chrysene                   | 17.1  |           | 1.8 | 6.9  | 6.9        | ug/Kg |
| 117-81-7       | Bis(2-ethylhexyl)phthalate | 4.6   | J         | 3.1 | 13.7 | 13.7       | ug/Kg |
| 205-99-2       | Benzo(b)fluoranthene       | 21    |           | 2.5 | 6.9  | 6.9        | ug/Kg |
| 207-08-9       | Benzo(k)fluoranthene       | 8     |           | 2   | 6.9  | 6.9        | ug/Kg |
| 50-32-8        | Benzo(a)pyrene             | 15.7  |           | 3.4 | 6.9  | 6.9        | ug/Kg |
| 193-39-5       | Indeno(1,2,3-cd)pyrene     | 9.4   |           | 2.6 | 6.9  | 6.9        | ug/Kg |
| 53-70-3        | Dibenzo(a,h)anthracene     | 2.7   | J         | 2.4 | 6.9  | 6.9        | ug/Kg |
| 191-24-2       | Benzo(g,h,i)perylene       | 11.3  |           | 2.4 | 6.9  | 6.9        | ug/Kg |
| 123-91-1       | 1,4-Dioxane                | 4.6   | U         | 4.6 | 13.7 | 13.7       | ug/Kg |

## Report of Analysis

|                    |                          |                 |                       |
|--------------------|--------------------------|-----------------|-----------------------|
| Client:            |                          | Date Collected: | 8/19/2024 12:00:00 AM |
| Project:           |                          | Date Received:  | 8/19/2024 12:00:00 AM |
| Client Sample ID:  | S-928-K1-SO-0-0.5-081924 | SDG No.:        | BN082224              |
| Lab Sample ID:     | P3671-09                 | Matrix:         | Solid                 |
| Analytical Method: | 8270-Modified            | % Moisture:     | 52                    |
| Sample Wt/Vol:     | 30.09      Units:    g   | Final Vol:      | 1000              uL  |
| Soil Aliquot Vol:  | uL                       | Test:           |                       |
| Extraction Type :  | Decanted :               | Level :         | LOW                   |
| Injection Volume : | GPC Factor :             | GPC Cleanup :   | PH :                  |

|                   |           |                       |                       |               |
|-------------------|-----------|-----------------------|-----------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date             | Date Analyzed         | Prep Batch ID |
| BN033569.D        | 1         | 8/21/2024 12:00:00 AM | 8/23/2024 12:00:00 AM | PB162880      |

| CAS Number                | Parameter               | Conc. | Qualifier | MDL    | LOD | LOQ / CRQL | Units     |
|---------------------------|-------------------------|-------|-----------|--------|-----|------------|-----------|
| <b>SURROGATES</b>         |                         |       |           |        |     |            |           |
| 7297-45-2                 | 2-Methylnaphthalene-d10 | 0.149 |           | 17-161 |     | 37         | SPK: -0.4 |
| 93951-69-0                | Fluoranthene-d10        | 0.128 |           | 23-138 |     | 32         | SPK: -0.4 |
| 367-12-4                  | 2-Fluorophenol          | 0.16  |           | 28-122 |     | 40         | SPK: -0.4 |
| 13127-88-3                | Phenol-d6               | 0.164 |           | 25-125 |     | 41         | SPK: -0.4 |
| 4165-60-0                 | Nitrobenzene-d5         | 0.195 |           | 33-121 |     | 49         | SPK: -0.4 |
| 321-60-8                  | 2-Fluorobiphenyl        | 0.149 |           | 32-121 |     | 37         | SPK: -0.4 |
| 118-79-6                  | 2,4,6-Tribromophenol    | 0.144 |           | 19-110 |     | 36         | SPK: -0.4 |
| 1718-51-0                 | Terphenyl-d14           | 0.122 |           | 21-130 |     | 31         | SPK: -0.4 |
| <b>INTERNAL STANDARDS</b> |                         |       |           |        |     |            |           |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4  | 8106  | 7.545     |        |     |            |           |
| 1146-65-2                 | Naphthalene-d8          | 21263 | 10.304    |        |     |            |           |
| 15067-26-2                | Acenaphthene-d10        | 10490 | 14.178    |        |     |            |           |
| 1517-22-2                 | Phenanthrene-d10        | 20512 | 16.929    |        |     |            |           |
| 1719-03-5                 | Chrysene-d12            | 15408 | 21.139    |        |     |            |           |
| 1520-96-3                 | Perylene-d12            | 17341 | 23.3      |        |     |            |           |

## Report of Analysis

|                    |                          |                 |                       |
|--------------------|--------------------------|-----------------|-----------------------|
| Client:            |                          | Date Collected: | 8/19/2024 12:00:00 AM |
| Project:           |                          | Date Received:  | 8/19/2024 12:00:00 AM |
| Client Sample ID:  | S-928-K1-SO-0.5-1-081924 | SDG No.:        | BN082224              |
| Lab Sample ID:     | P3671-10                 | Matrix:         | Solid                 |
| Analytical Method: | 8270-Modified            | % Moisture:     | 42.8                  |
| Sample Wt/Vol:     | 30.05 Units: g           | Final Vol:      | 1000 uL               |
| Soil Aliquot Vol:  | uL                       | Test:           |                       |
| Extraction Type :  | Decanted :               | Level :         | LOW                   |
| Injection Volume : | GPC Factor :             | GPC Cleanup :   | PH :                  |

|                   |           |                       |                       |               |
|-------------------|-----------|-----------------------|-----------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date             | Date Analyzed         | Prep Batch ID |
| BN033570.D        | 1         | 8/21/2024 12:00:00 AM | 8/23/2024 12:00:00 AM | PB162880      |

| CAS Number     | Parameter                  | Conc. | Qualifier | MDL   | LOD  | LOQ / CRQL | Units |
|----------------|----------------------------|-------|-----------|-------|------|------------|-------|
| <b>TARGETS</b> |                            |       |           |       |      |            |       |
| 62-75-9        | n-Nitrosodimethylamine     | 2.3   | U         | 2.3   | 11.5 | 11.5       | ug/Kg |
| 111-44-4       | bis(2-Chloroethyl)ether    | 1.5   | U         | 1.5   | 5.8  | 5.8        | ug/Kg |
| 91-20-3        | Naphthalene                | 1.2   | U         | 1.2   | 5.8  | 5.8        | ug/Kg |
| 87-68-3        | Hexachlorobutadiene        | 1.2   | U         | 1.2   | 5.8  | 5.8        | ug/Kg |
| 91-57-6        | 2-Methylnaphthalene        | 1.4   | U         | 1.4   | 5.8  | 5.8        | ug/Kg |
| 208-96-8       | Acenaphthylene             | 3.1   | J         | 1.1   | 5.8  | 5.8        | ug/Kg |
| 83-32-9        | Acenaphthene               | 0.96  | U         | 0.96  | 5.8  | 5.8        | ug/Kg |
| Total PAH      | Total PAH                  | 158.3 | U         | 25.36 | 5.8  | 92.8       | ug/Kg |
| 86-73-7        | Fluorene                   | 1.4   | J         | 1     | 5.8  | 5.8        | ug/Kg |
| 534-52-1       | 4,6-Dinitro-2-methylphenol | 7.4   | U         | 7.4   | 11.5 | 11.5       | ug/Kg |
| 101-55-3       | 4-Bromophenyl-phenylether  | 1.4   | U         | 1.4   | 5.8  | 5.8        | ug/Kg |
| 118-74-1       | Hexachlorobenzene          | 1.5   | U         | 1.5   | 5.8  | 5.8        | ug/Kg |
| 1912-24-9      | Atrazine                   | 1.3   | U         | 1.3   | 5.8  | 5.8        | ug/Kg |
| 87-86-5        | Pentachlorophenol          | 4.9   | U         | 4.9   | 11.5 | 11.5       | ug/Kg |
| 85-01-8        | Phenanthrene               | 12.5  |           | 1.1   | 5.8  | 5.8        | ug/Kg |
| 120-12-7       | Anthracene                 | 2     | J         | 1.4   | 5.8  | 5.8        | ug/Kg |
| 206-44-0       | Fluoranthene               | 26.8  |           | 1.2   | 5.8  | 5.8        | ug/Kg |
| 129-00-0       | Pyrene                     | 20    |           | 1.7   | 5.8  | 5.8        | ug/Kg |
| 56-55-3        | Benzo(a)anthracene         | 9.8   |           | 1.3   | 5.8  | 5.8        | ug/Kg |
| 218-01-9       | Chrysene                   | 15.8  |           | 1.5   | 5.8  | 5.8        | ug/Kg |
| 117-81-7       | Bis(2-ethylhexyl)phthalate | 4.5   | J         | 2.6   | 11.5 | 11.5       | ug/Kg |
| 205-99-2       | Benzo(b)fluoranthene       | 20.9  |           | 2.1   | 5.8  | 5.8        | ug/Kg |
| 207-08-9       | Benzo(k)fluoranthene       | 8     |           | 1.7   | 5.8  | 5.8        | ug/Kg |
| 50-32-8        | Benzo(a)pyrene             | 14    |           | 2.9   | 5.8  | 5.8        | ug/Kg |
| 193-39-5       | Indeno(1,2,3-cd)pyrene     | 9.6   |           | 2.2   | 5.8  | 5.8        | ug/Kg |
| 53-70-3        | Dibenzo(a,h)anthracene     | 2.6   | J         | 2     | 5.8  | 5.8        | ug/Kg |
| 191-24-2       | Benzo(g,h,i)perylene       | 11.8  |           | 2     | 5.8  | 5.8        | ug/Kg |
| 123-91-1       | 1,4-Dioxane                | 3.9   | U         | 3.9   | 11.5 | 11.5       | ug/Kg |

## Report of Analysis

|                    |                          |                 |                       |
|--------------------|--------------------------|-----------------|-----------------------|
| Client:            |                          | Date Collected: | 8/19/2024 12:00:00 AM |
| Project:           |                          | Date Received:  | 8/19/2024 12:00:00 AM |
| Client Sample ID:  | S-928-K1-SO-0.5-1-081924 | SDG No.:        | BN082224              |
| Lab Sample ID:     | P3671-10                 | Matrix:         | Solid                 |
| Analytical Method: | 8270-Modified            | % Moisture:     | 42.8                  |
| Sample Wt/Vol:     | 30.05      Units:    g   | Final Vol:      | 1000              uL  |
| Soil Aliquot Vol:  | uL                       | Test:           |                       |
| Extraction Type :  | Decanted :               | Level :         | LOW                   |
| Injection Volume : | GPC Factor :             | GPC Cleanup :   | PH :                  |

|                   |           |                       |                       |               |
|-------------------|-----------|-----------------------|-----------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date             | Date Analyzed         | Prep Batch ID |
| BN033570.D        | 1         | 8/21/2024 12:00:00 AM | 8/23/2024 12:00:00 AM | PB162880      |

| CAS Number                | Parameter               | Conc. | Qualifier | MDL    | LOD | LOQ / CRQL | Units     |
|---------------------------|-------------------------|-------|-----------|--------|-----|------------|-----------|
| <b>SURROGATES</b>         |                         |       |           |        |     |            |           |
| 7297-45-2                 | 2-Methylnaphthalene-d10 | 0.237 |           | 17-161 |     | 59         | SPK: -0.4 |
| 93951-69-0                | Fluoranthene-d10        | 0.187 |           | 23-138 |     | 47         | SPK: -0.4 |
| 367-12-4                  | 2-Fluorophenol          | 0.263 |           | 28-122 |     | 66         | SPK: -0.4 |
| 13127-88-3                | Phenol-d6               | 0.272 |           | 25-125 |     | 68         | SPK: -0.4 |
| 4165-60-0                 | Nitrobenzene-d5         | 0.336 |           | 33-121 |     | 84         | SPK: -0.4 |
| 321-60-8                  | 2-Fluorobiphenyl        | 0.235 |           | 32-121 |     | 59         | SPK: -0.4 |
| 118-79-6                  | 2,4,6-Tribromophenol    | 0.226 |           | 19-110 |     | 56         | SPK: -0.4 |
| 1718-51-0                 | Terphenyl-d14           | 0.171 |           | 21-130 |     | 43         | SPK: -0.4 |
| <b>INTERNAL STANDARDS</b> |                         |       |           |        |     |            |           |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4  | 7220  | 7.545     |        |     |            |           |
| 1146-65-2                 | Naphthalene-d8          | 18938 | 10.303    |        |     |            |           |
| 15067-26-2                | Acenaphthene-d10        | 9199  | 14.178    |        |     |            |           |
| 1517-22-2                 | Phenanthrene-d10        | 18224 | 16.929    |        |     |            |           |
| 1719-03-5                 | Chrysene-d12            | 14086 | 21.139    |        |     |            |           |
| 1520-96-3                 | Perylene-d12            | 15519 | 23.302    |        |     |            |           |

## Report of Analysis

|                    |                            |                 |                       |
|--------------------|----------------------------|-----------------|-----------------------|
| Client:            |                            | Date Collected: | 8/19/2024 12:00:00 AM |
| Project:           |                            | Date Received:  | 8/19/2024 12:00:00 AM |
| Client Sample ID:  | S-928-K1-SO-0.5-1-081924MS | SDG No.:        | BN082224              |
| Lab Sample ID:     | P3671-10MS                 | Matrix:         | Solid                 |
| Analytical Method: | 8270-Modified              | % Moisture:     | 42.8                  |
| Sample Wt/Vol:     | 30.02 Units: g             | Final Vol:      | 1000 uL               |
| Soil Aliquot Vol:  | uL                         | Test:           |                       |
| Extraction Type :  | Decanted :                 | Level :         | LOW                   |
| Injection Volume : | GPC Factor :               | GPC Cleanup :   | PH :                  |

|                   |           |                       |                       |               |
|-------------------|-----------|-----------------------|-----------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date             | Date Analyzed         | Prep Batch ID |
| BN033571.D        | 1         | 8/21/2024 12:00:00 AM | 8/23/2024 12:00:00 AM | PB162880      |

| CAS Number     | Parameter                  | Conc. | Qualifier | MDL   | LOD  | LOQ / CRQL | Units |
|----------------|----------------------------|-------|-----------|-------|------|------------|-------|
| <b>TARGETS</b> |                            |       |           |       |      |            |       |
| 62-75-9        | n-Nitrosodimethylamine     | 22.4  |           | 2.3   | 11.5 | 11.5       | ug/Kg |
| 111-44-4       | bis(2-Chloroethyl)ether    | 24.9  |           | 1.5   | 5.8  | 5.8        | ug/Kg |
| 91-20-3        | Naphthalene                | 23.8  |           | 1.2   | 5.8  | 5.8        | ug/Kg |
| 87-68-3        | Hexachlorobutadiene        | 22.5  |           | 1.2   | 5.8  | 5.8        | ug/Kg |
| 91-57-6        | 2-Methylnaphthalene        | 23.2  |           | 1.4   | 5.8  | 5.8        | ug/Kg |
| 208-96-8       | Acenaphthylene             | 26.7  |           | 1.1   | 5.8  | 5.8        | ug/Kg |
| 83-32-9        | Acenaphthene               | 22.9  |           | 0.96  | 5.8  | 5.8        | ug/Kg |
| Total PAH      | Total PAH                  | 523.7 |           | 25.36 | 5.8  | 92.8       | ug/Kg |
| 86-73-7        | Fluorene                   | 22.5  |           | 1     | 5.8  | 5.8        | ug/Kg |
| 534-52-1       | 4,6-Dinitro-2-methylphenol | 17.2  |           | 7.4   | 11.5 | 11.5       | ug/Kg |
| 101-55-3       | 4-Bromophenyl-phenylether  | 21.8  |           | 1.4   | 5.8  | 5.8        | ug/Kg |
| 118-74-1       | Hexachlorobenzene          | 21.9  |           | 1.5   | 5.8  | 5.8        | ug/Kg |
| 1912-24-9      | Atrazine                   | 23.1  |           | 1.3   | 5.8  | 5.8        | ug/Kg |
| 87-86-5        | Pentachlorophenol          | 42.6  |           | 4.9   | 11.5 | 11.5       | ug/Kg |
| 85-01-8        | Phenanthrene               | 35.4  |           | 1.1   | 5.8  | 5.8        | ug/Kg |
| 120-12-7       | Anthracene                 | 26.7  |           | 1.4   | 5.8  | 5.8        | ug/Kg |
| 206-44-0       | Fluoranthene               | 51    |           | 1.2   | 5.8  | 5.8        | ug/Kg |
| 129-00-0       | Pyrene                     | 39.6  |           | 1.7   | 5.8  | 5.8        | ug/Kg |
| 56-55-3        | Benzo(a)anthracene         | 33.8  |           | 1.3   | 5.8  | 5.8        | ug/Kg |
| 218-01-9       | Chrysene                   | 38.8  |           | 1.5   | 5.8  | 5.8        | ug/Kg |
| 117-81-7       | Bis(2-ethylhexyl)phthalate | 28.7  |           | 2.6   | 11.5 | 11.5       | ug/Kg |
| 205-99-2       | Benzo(b)fluoranthene       | 40.7  |           | 2.1   | 5.8  | 5.8        | ug/Kg |
| 207-08-9       | Benzo(k)fluoranthene       | 32.7  |           | 1.7   | 5.8  | 5.8        | ug/Kg |
| 50-32-8        | Benzo(a)pyrene             | 38.7  |           | 2.9   | 5.8  | 5.8        | ug/Kg |
| 193-39-5       | Indeno(1,2,3-cd)pyrene     | 32.7  |           | 2.2   | 5.8  | 5.8        | ug/Kg |
| 53-70-3        | Dibenzo(a,h)anthracene     | 25.2  |           | 2     | 5.8  | 5.8        | ug/Kg |
| 191-24-2       | Benzo(g,h,i)perylene       | 32.5  |           | 2     | 5.8  | 5.8        | ug/Kg |
| 123-91-1       | 1,4-Dioxane                | 19.8  |           | 3.9   | 11.5 | 11.5       | ug/Kg |

## Report of Analysis

|                    |                            |                 |                       |
|--------------------|----------------------------|-----------------|-----------------------|
| Client:            |                            | Date Collected: | 8/19/2024 12:00:00 AM |
| Project:           |                            | Date Received:  | 8/19/2024 12:00:00 AM |
| Client Sample ID:  | S-928-K1-SO-0.5-1-081924MS | SDG No.:        | BN082224              |
| Lab Sample ID:     | P3671-10MS                 | Matrix:         | Solid                 |
| Analytical Method: | 8270-Modified              | % Moisture:     | 42.8                  |
| Sample Wt/Vol:     | 30.02      Units:    g     | Final Vol:      | 1000              uL  |
| Soil Aliquot Vol:  | uL                         | Test:           |                       |
| Extraction Type :  | Decanted :                 | Level :         | LOW                   |
| Injection Volume : | GPC Factor :               | GPC Cleanup :   | PH :                  |

|                   |           |                       |                       |               |
|-------------------|-----------|-----------------------|-----------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date             | Date Analyzed         | Prep Batch ID |
| BN033571.D        | 1         | 8/21/2024 12:00:00 AM | 8/23/2024 12:00:00 AM | PB162880      |

| CAS Number                | Parameter               | Conc. | Qualifier | MDL    | LOD | LOQ / CRQL | Units     |
|---------------------------|-------------------------|-------|-----------|--------|-----|------------|-----------|
| <b>SURROGATES</b>         |                         |       |           |        |     |            |           |
| 7297-45-2                 | 2-Methylnaphthalene-d10 | 0.347 |           | 17-161 |     | 87         | SPK: -0.4 |
| 93951-69-0                | Fluoranthene-d10        | 0.188 |           | 23-138 |     | 47         | SPK: -0.4 |
| 367-12-4                  | 2-Fluorophenol          | 0.253 |           | 28-122 |     | 63         | SPK: -0.4 |
| 13127-88-3                | Phenol-d6               | 0.258 |           | 25-125 |     | 64         | SPK: -0.4 |
| 4165-60-0                 | Nitrobenzene-d5         | 0.31  |           | 33-121 |     | 77         | SPK: -0.4 |
| 321-60-8                  | 2-Fluorobiphenyl        | 0.224 |           | 32-121 |     | 56         | SPK: -0.4 |
| 118-79-6                  | 2,4,6-Tribromophenol    | 0.222 |           | 19-110 |     | 56         | SPK: -0.4 |
| 1718-51-0                 | Terphenyl-d14           | 0.163 |           | 21-130 |     | 41         | SPK: -0.4 |
| <b>INTERNAL STANDARDS</b> |                         |       |           |        |     |            |           |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4  | 7489  | 7.545     |        |     |            |           |
| 1146-65-2                 | Naphthalene-d8          | 19600 | 10.304    |        |     |            |           |
| 15067-26-2                | Acenaphthene-d10        | 9306  | 14.178    |        |     |            |           |
| 1517-22-2                 | Phenanthrene-d10        | 18439 | 16.929    |        |     |            |           |
| 1719-03-5                 | Chrysene-d12            | 15566 | 21.13     |        |     |            |           |
| 1520-96-3                 | Perylene-d12            | 17073 | 23.3      |        |     |            |           |

## Report of Analysis

|                    |                             |                 |                       |
|--------------------|-----------------------------|-----------------|-----------------------|
| Client:            |                             | Date Collected: | 8/19/2024 12:00:00 AM |
| Project:           |                             | Date Received:  | 8/19/2024 12:00:00 AM |
| Client Sample ID:  | S-928-K1-SO-0.5-1-081924MSD | SDG No.:        | BN082224              |
| Lab Sample ID:     | P3671-10MSD                 | Matrix:         | Solid                 |
| Analytical Method: | 8270-Modified               | % Moisture:     | 42.8                  |
| Sample Wt/Vol:     | 30.04 Units: g              | Final Vol:      | 1000 uL               |
| Soil Aliquot Vol:  | uL                          | Test:           |                       |
| Extraction Type :  | Decanted :                  | Level :         | LOW                   |
| Injection Volume : | GPC Factor :                | GPC Cleanup :   | PH :                  |

|                   |           |                       |                       |               |
|-------------------|-----------|-----------------------|-----------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date             | Date Analyzed         | Prep Batch ID |
| BN033572.D        | 1         | 8/21/2024 12:00:00 AM | 8/23/2024 12:00:00 AM | PB162880      |

| CAS Number     | Parameter                  | Conc. | Qualifier | MDL   | LOD  | LOQ / CRQL | Units |
|----------------|----------------------------|-------|-----------|-------|------|------------|-------|
| <b>TARGETS</b> |                            |       |           |       |      |            |       |
| 62-75-9        | n-Nitrosodimethylamine     | 23.9  |           | 2.3   | 11.5 | 11.5       | ug/Kg |
| 111-44-4       | bis(2-Chloroethyl)ether    | 25.5  |           | 1.5   | 5.8  | 5.8        | ug/Kg |
| 91-20-3        | Naphthalene                | 24.5  |           | 1.2   | 5.8  | 5.8        | ug/Kg |
| 87-68-3        | Hexachlorobutadiene        | 22.8  |           | 1.2   | 5.8  | 5.8        | ug/Kg |
| 91-57-6        | 2-Methylnaphthalene        | 24.1  |           | 1.4   | 5.8  | 5.8        | ug/Kg |
| 208-96-8       | Acenaphthylene             | 27.9  |           | 1.1   | 5.8  | 5.8        | ug/Kg |
| 83-32-9        | Acenaphthene               | 23.7  |           | 0.96  | 5.8  | 5.8        | ug/Kg |
| Total PAH      | Total PAH                  | 541.3 |           | 25.36 | 5.8  | 92.8       | ug/Kg |
| 86-73-7        | Fluorene                   | 23.4  |           | 1     | 5.8  | 5.8        | ug/Kg |
| 534-52-1       | 4,6-Dinitro-2-methylphenol | 18.3  |           | 7.4   | 11.5 | 11.5       | ug/Kg |
| 101-55-3       | 4-Bromophenyl-phenylether  | 23.2  |           | 1.4   | 5.8  | 5.8        | ug/Kg |
| 118-74-1       | Hexachlorobenzene          | 23    |           | 1.5   | 5.8  | 5.8        | ug/Kg |
| 1912-24-9      | Atrazine                   | 24.3  |           | 1.3   | 5.8  | 5.8        | ug/Kg |
| 87-86-5        | Pentachlorophenol          | 45.3  |           | 4.9   | 11.5 | 11.5       | ug/Kg |
| 85-01-8        | Phenanthrene               | 37.4  |           | 1.1   | 5.8  | 5.8        | ug/Kg |
| 120-12-7       | Anthracene                 | 28.2  |           | 1.4   | 5.8  | 5.8        | ug/Kg |
| 206-44-0       | Fluoranthene               | 52.2  |           | 1.2   | 5.8  | 5.8        | ug/Kg |
| 129-00-0       | Pyrene                     | 41.3  |           | 1.7   | 5.8  | 5.8        | ug/Kg |
| 56-55-3        | Benzo(a)anthracene         | 35    |           | 1.3   | 5.8  | 5.8        | ug/Kg |
| 218-01-9       | Chrysene                   | 40.8  |           | 1.5   | 5.8  | 5.8        | ug/Kg |
| 117-81-7       | Bis(2-ethylhexyl)phthalate | 30.6  |           | 2.6   | 11.5 | 11.5       | ug/Kg |
| 205-99-2       | Benzo(b)fluoranthene       | 42.6  |           | 2.1   | 5.8  | 5.8        | ug/Kg |
| 207-08-9       | Benzo(k)fluoranthene       | 32.3  |           | 1.7   | 5.8  | 5.8        | ug/Kg |
| 50-32-8        | Benzo(a)pyrene             | 39.7  |           | 2.9   | 5.8  | 5.8        | ug/Kg |
| 193-39-5       | Indeno(1,2,3-cd)pyrene     | 33.3  |           | 2.2   | 5.8  | 5.8        | ug/Kg |
| 53-70-3        | Dibenzo(a,h)anthracene     | 25.7  |           | 2     | 5.8  | 5.8        | ug/Kg |
| 191-24-2       | Benzo(g,h,i)perylene       | 33.3  |           | 2     | 5.8  | 5.8        | ug/Kg |
| 123-91-1       | 1,4-Dioxane                | 20.1  |           | 3.9   | 11.5 | 11.5       | ug/Kg |

## Report of Analysis

|                    |                             |                 |                       |
|--------------------|-----------------------------|-----------------|-----------------------|
| Client:            |                             | Date Collected: | 8/19/2024 12:00:00 AM |
| Project:           |                             | Date Received:  | 8/19/2024 12:00:00 AM |
| Client Sample ID:  | S-928-K1-SO-0.5-1-081924MSD | SDG No.:        | BN082224              |
| Lab Sample ID:     | P3671-10MSD                 | Matrix:         | Solid                 |
| Analytical Method: | 8270-Modified               | % Moisture:     | 42.8                  |
| Sample Wt/Vol:     | 30.04      Units:    g      | Final Vol:      | 1000              uL  |
| Soil Aliquot Vol:  | uL                          | Test:           |                       |
| Extraction Type :  | Decanted :                  | Level :         | LOW                   |
| Injection Volume : | GPC Factor :                | GPC Cleanup :   | PH :                  |

|                   |           |                       |                       |               |
|-------------------|-----------|-----------------------|-----------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date             | Date Analyzed         | Prep Batch ID |
| BN033572.D        | 1         | 8/21/2024 12:00:00 AM | 8/23/2024 12:00:00 AM | PB162880      |

| CAS Number                | Parameter               | Conc. | Qualifier | MDL    | LOD | LOQ / CRQL | Units     |
|---------------------------|-------------------------|-------|-----------|--------|-----|------------|-----------|
| <b>SURROGATES</b>         |                         |       |           |        |     |            |           |
| 7297-45-2                 | 2-Methylnaphthalene-d10 | 0.364 |           | 17-161 |     | 91         | SPK: -0.4 |
| 93951-69-0                | Fluoranthene-d10        | 0.195 |           | 23-138 |     | 49         | SPK: -0.4 |
| 367-12-4                  | 2-Fluorophenol          | 0.263 |           | 28-122 |     | 66         | SPK: -0.4 |
| 13127-88-3                | Phenol-d6               | 0.272 |           | 25-125 |     | 68         | SPK: -0.4 |
| 4165-60-0                 | Nitrobenzene-d5         | 0.325 |           | 33-121 |     | 81         | SPK: -0.4 |
| 321-60-8                  | 2-Fluorobiphenyl        | 0.233 |           | 32-121 |     | 58         | SPK: -0.4 |
| 118-79-6                  | 2,4,6-Tribromophenol    | 0.231 |           | 19-110 |     | 58         | SPK: -0.4 |
| 1718-51-0                 | Terphenyl-d14           | 0.171 |           | 21-130 |     | 43         | SPK: -0.4 |
| <b>INTERNAL STANDARDS</b> |                         |       |           |        |     |            |           |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4  | 7606  | 7.545     |        |     |            |           |
| 1146-65-2                 | Naphthalene-d8          | 20104 | 10.303    |        |     |            |           |
| 15067-26-2                | Acenaphthene-d10        | 9559  | 14.178    |        |     |            |           |
| 1517-22-2                 | Phenanthrene-d10        | 18339 | 16.929    |        |     |            |           |
| 1719-03-5                 | Chrysene-d12            | 15128 | 21.139    |        |     |            |           |
| 1520-96-3                 | Perylene-d12            | 16860 | 23.3      |        |     |            |           |

## Report of Analysis

|                    |                         |                 |                       |
|--------------------|-------------------------|-----------------|-----------------------|
| Client:            |                         | Date Collected: | 8/19/2024 12:00:00 AM |
| Project:           |                         | Date Received:  | 8/19/2024 12:00:00 AM |
| Client Sample ID:  | S-912-J-SO-0-0.5-081924 | SDG No.:        | BN082224              |
| Lab Sample ID:     | P3671-13                | Matrix:         | Solid                 |
| Analytical Method: | 8270-Modified           | % Moisture:     | 69.4                  |
| Sample Wt/Vol:     | 30.07      Units:    g  | Final Vol:      | 1000              uL  |
| Soil Aliquot Vol:  | uL                      | Test:           |                       |
| Extraction Type :  | Decanted :              | Level :         | LOW                   |
| Injection Volume : | GPC Factor :            | GPC Cleanup :   | PH :                  |

|                   |           |                       |                       |               |
|-------------------|-----------|-----------------------|-----------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date             | Date Analyzed         | Prep Batch ID |
| BN033573.D        | 1         | 8/21/2024 12:00:00 AM | 8/23/2024 12:00:00 AM | PB162880      |

| CAS Number     | Parameter                  | Conc.  | Qualifier | MDL  | LOD  | LOQ / CRQL | Units |
|----------------|----------------------------|--------|-----------|------|------|------------|-------|
| <b>TARGETS</b> |                            |        |           |      |      |            |       |
| 62-75-9        | n-Nitrosodimethylamine     | 4.3    | U         | 4.3  | 21.5 | 21.5       | ug/Kg |
| 111-44-4       | bis(2-Chloroethyl)ether    | 2.8    | U         | 2.8  | 10.8 | 10.8       | ug/Kg |
| 91-20-3        | Naphthalene                | 13.2   |           | 2.2  | 10.8 | 10.8       | ug/Kg |
| 87-68-3        | Hexachlorobutadiene        | 2.2    | U         | 2.2  | 10.8 | 10.8       | ug/Kg |
| 91-57-6        | 2-Methylnaphthalene        | 12.7   |           | 2.6  | 10.8 | 10.8       | ug/Kg |
| 208-96-8       | Acenaphthylene             | 11.3   |           | 2.1  | 10.8 | 10.8       | ug/Kg |
| 83-32-9        | Acenaphthene               | 5.9    | J         | 1.8  | 10.8 | 10.8       | ug/Kg |
| Total PAH      | Total PAH                  | 1102.7 |           | 47.5 | 10.8 | 172.8      | ug/Kg |
| 86-73-7        | Fluorene                   | 6.8    | J         | 2    | 10.8 | 10.8       | ug/Kg |
| 534-52-1       | 4,6-Dinitro-2-methylphenol | 13.9   | U         | 13.9 | 21.5 | 21.5       | ug/Kg |
| 101-55-3       | 4-Bromophenyl-phenylether  | 2.6    | U         | 2.6  | 10.8 | 10.8       | ug/Kg |
| 118-74-1       | Hexachlorobenzene          | 2.8    | U         | 2.8  | 10.8 | 10.8       | ug/Kg |
| 1912-24-9      | Atrazine                   | 2.5    | U         | 2.5  | 10.8 | 10.8       | ug/Kg |
| 87-86-5        | Pentachlorophenol          | 9.2    | U         | 9.2  | 21.5 | 21.5       | ug/Kg |
| 85-01-8        | Phenanthrene               | 100    |           | 2.1  | 10.8 | 10.8       | ug/Kg |
| 120-12-7       | Anthracene                 | 19     |           | 2.6  | 10.8 | 10.8       | ug/Kg |
| 206-44-0       | Fluoranthene               | 220    |           | 2.2  | 10.8 | 10.8       | ug/Kg |
| 129-00-0       | Pyrene                     | 140    |           | 3.1  | 10.8 | 10.8       | ug/Kg |
| 56-55-3        | Benzo(a)anthracene         | 83.8   |           | 2.5  | 10.8 | 10.8       | ug/Kg |
| 218-01-9       | Chrysene                   | 100    |           | 2.8  | 10.8 | 10.8       | ug/Kg |
| 117-81-7       | Bis(2-ethylhexyl)phthalate | 16.6   | J         | 4.8  | 21.5 | 21.5       | ug/Kg |
| 205-99-2       | Benzo(b)fluoranthene       | 130    |           | 3.9  | 10.8 | 10.8       | ug/Kg |
| 207-08-9       | Benzo(k)fluoranthene       | 44     |           | 3.2  | 10.8 | 10.8       | ug/Kg |
| 50-32-8        | Benzo(a)pyrene             | 96.1   |           | 5.4  | 10.8 | 10.8       | ug/Kg |
| 193-39-5       | Indeno(1,2,3-cd)pyrene     | 53.9   |           | 4.1  | 10.8 | 10.8       | ug/Kg |
| 53-70-3        | Dibenzo(a,h)anthracene     | 16     |           | 3.8  | 10.8 | 10.8       | ug/Kg |
| 191-24-2       | Benzo(g,h,i)perylene       | 62.7   |           | 3.7  | 10.8 | 10.8       | ug/Kg |
| 123-91-1       | 1,4-Dioxane                | 7.2    | U         | 7.2  | 21.5 | 21.5       | ug/Kg |

## Report of Analysis

|                    |                         |                 |                       |
|--------------------|-------------------------|-----------------|-----------------------|
| Client:            |                         | Date Collected: | 8/19/2024 12:00:00 AM |
| Project:           |                         | Date Received:  | 8/19/2024 12:00:00 AM |
| Client Sample ID:  | S-912-J-SO-0-0.5-081924 | SDG No.:        | BN082224              |
| Lab Sample ID:     | P3671-13                | Matrix:         | Solid                 |
| Analytical Method: | 8270-Modified           | % Moisture:     | 69.4                  |
| Sample Wt/Vol:     | 30.07      Units:    g  | Final Vol:      | 1000              uL  |
| Soil Aliquot Vol:  | uL                      | Test:           |                       |
| Extraction Type :  | Decanted :              | Level :         | LOW                   |
| Injection Volume : | GPC Factor :            | GPC Cleanup :   | PH :                  |

|                   |           |                       |                       |               |
|-------------------|-----------|-----------------------|-----------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date             | Date Analyzed         | Prep Batch ID |
| BN033573.D        | 1         | 8/21/2024 12:00:00 AM | 8/23/2024 12:00:00 AM | PB162880      |

| CAS Number                | Parameter               | Conc. | Qualifier | MDL    | LOD | LOQ / CRQL | Units     |
|---------------------------|-------------------------|-------|-----------|--------|-----|------------|-----------|
| <b>SURROGATES</b>         |                         |       |           |        |     |            |           |
| 7297-45-2                 | 2-Methylnaphthalene-d10 | 0.19  |           | 17-161 |     | 47         | SPK: -0.4 |
| 93951-69-0                | Fluoranthene-d10        | 0.13  |           | 23-138 |     | 32         | SPK: -0.4 |
| 367-12-4                  | 2-Fluorophenol          | 0.196 |           | 28-122 |     | 49         | SPK: -0.4 |
| 13127-88-3                | Phenol-d6               | 0.199 |           | 25-125 |     | 50         | SPK: -0.4 |
| 4165-60-0                 | Nitrobenzene-d5         | 0.274 |           | 33-121 |     | 68         | SPK: -0.4 |
| 321-60-8                  | 2-Fluorobiphenyl        | 0.172 |           | 32-121 |     | 43         | SPK: -0.4 |
| 118-79-6                  | 2,4,6-Tribromophenol    | 0.194 |           | 19-110 |     | 49         | SPK: -0.4 |
| 1718-51-0                 | Terphenyl-d14           | 0.097 |           | 21-130 |     | 24         | SPK: -0.4 |
| <b>INTERNAL STANDARDS</b> |                         |       |           |        |     |            |           |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4  | 7667  | 7.545     |        |     |            |           |
| 1146-65-2                 | Naphthalene-d8          | 19731 | 10.304    |        |     |            |           |
| 15067-26-2                | Acenaphthene-d10        | 9704  | 14.178    |        |     |            |           |
| 1517-22-2                 | Phenanthrene-d10        | 20199 | 16.929    |        |     |            |           |
| 1719-03-5                 | Chrysene-d12            | 18846 | 21.139    |        |     |            |           |
| 1520-96-3                 | Perylene-d12            | 20277 | 23.3      |        |     |            |           |



|                    |                             |        |                 |                       |          |    |  |
|--------------------|-----------------------------|--------|-----------------|-----------------------|----------|----|--|
| Client:            |                             |        | Date Collected: | 8/19/2024 12:00:00 AM |          |    |  |
| Project:           |                             |        | Date Received:  | 8/19/2024 12:00:00 AM |          |    |  |
| Client Sample ID:  | S-905-KJ-SO-0-0.5-081924-FD |        |                 | SDG No.:              | BN082224 |    |  |
| Lab Sample ID:     | P3671-07                    |        |                 | Matrix:               | Solid    |    |  |
| Analytical Method: | 8270-Modified               |        |                 | % Moisture:           | 23.4     |    |  |
| Sample Wt/Vol:     | 30.01                       | Units: | g               | Final Vol:            | 1000     | uL |  |
| Soil Aliquot Vol:  |                             |        | uL              | Test:                 |          |    |  |
| Extraction Type :  | Decanted :                  |        |                 | Level :               | LOW      |    |  |
| Injection Volume : | GPC Factor :                |        |                 | GPC Cleanup :         | PH :     |    |  |

| File ID/Qc Batch: | Dilution: | Prep Date             | Date Analyzed         | Prep Batch ID |
|-------------------|-----------|-----------------------|-----------------------|---------------|
| BN033574.D        | 1         | 8/21/2024 12:00:00 AM | 8/23/2024 12:00:00 AM | PB162880      |

| CAS Number | Parameter                  | Conc.  | Qualifier | MDL  | LOD | LOQ / CRQL | Units |
|------------|----------------------------|--------|-----------|------|-----|------------|-------|
| TARGETS    |                            |        |           |      |     |            |       |
| 62-75-9    | n-Nitrosodimethylamine     | 1.7    | U         | 1.7  | 8.6 | 8.6        | ug/Kg |
| 111-44-4   | bis(2-Chloroethyl)ether    | 1.1    | U         | 1.1  | 4.3 | 4.3        | ug/Kg |
| 91-20-3    | Naphthalene                | 2.1    | J         | 0.9  | 4.3 | 4.3        | ug/Kg |
| 87-68-3    | Hexachlorobutadiene        | 0.9    | U         | 0.9  | 4.3 | 4.3        | ug/Kg |
| 91-57-6    | 2-Methylnaphthalene        | 1.5    | J         | 1    | 4.3 | 4.3        | ug/Kg |
| 208-96-8   | Acenaphthylene             | 3.2    | J         | 0.82 | 4.3 | 4.3        | ug/Kg |
| 83-32-9    | Acenaphthene               | 24.9   |           | 0.72 | 4.3 | 4.3        | ug/Kg |
| Total PAH  | Total PAH                  | 6273.1 |           | 18.9 | 4.3 | 68.8       | ug/Kg |
| 86-73-7    | Fluorene                   | 22.4   |           | 0.78 | 4.3 | 4.3        | ug/Kg |
| 534-52-1   | 4,6-Dinitro-2-methylphenol | 5.5    | U         | 5.5  | 8.6 | 8.6        | ug/Kg |
| 101-55-3   | 4-Bromophenyl-phenylether  | 1      | U         | 1    | 4.3 | 4.3        | ug/Kg |
| 118-74-1   | Hexachlorobenzene          | 1.1    | U         | 1.1  | 4.3 | 4.3        | ug/Kg |
| 1912-24-9  | Atrazine                   | 0.99   | U         | 0.99 | 4.3 | 4.3        | ug/Kg |
| 87-86-5    | Pentachlorophenol          | 3.7    | U         | 3.7  | 8.6 | 8.6        | ug/Kg |
| 85-01-8    | Phenanthrene               | 400    | E         | 0.82 | 4.3 | 4.3        | ug/Kg |
| 120-12-7   | Anthracene                 | 130    |           | 1    | 4.3 | 4.3        | ug/Kg |
| 206-44-0   | Fluoranthene               | 1300   | E         | 0.87 | 4.3 | 4.3        | ug/Kg |
| 129-00-0   | Pyrene                     | 710    | E         | 1.2  | 4.3 | 4.3        | ug/Kg |
| 56-55-3    | Benzo(a)anthracene         | 710    | E         | 0.99 | 4.3 | 4.3        | ug/Kg |
| 218-01-9   | Chrysene                   | 630    | E         | 1.1  | 4.3 | 4.3        | ug/Kg |
| 117-81-7   | Bis(2-ethylhexyl)phthalate | 7.8    | J         | 1.9  | 8.6 | 8.6        | ug/Kg |
| 205-99-2   | Benzo(b)fluoranthene       | 750    | E         | 1.6  | 4.3 | 4.3        | ug/Kg |
| 207-08-9   | Benzo(k)fluoranthene       | 280    | E         | 1.3  | 4.3 | 4.3        | ug/Kg |
| 50-32-8    | Benzo(a)pyrene             | 650    | E         | 2.2  | 4.3 | 4.3        | ug/Kg |
| 193-39-5   | Indeno(1,2,3-cd)pyrene     | 280    | E         | 1.6  | 4.3 | 4.3        | ug/Kg |
| 53-70-3    | Dibenzo(a,h)anthracene     | 90.5   |           | 1.5  | 4.3 | 4.3        | ug/Kg |
| 191-24-2   | Benzo(g,h,i)perylene       | 290    | E         | 1.5  | 4.3 | 4.3        | ug/Kg |
| 123-91-1   | 1,4-Dioxane                | 2.9    | U         | 2.9  | 8.6 | 8.6        | ug/Kg |

## Report of Analysis

|                    |                             |                 |                       |
|--------------------|-----------------------------|-----------------|-----------------------|
| Client:            |                             | Date Collected: | 8/19/2024 12:00:00 AM |
| Project:           |                             | Date Received:  | 8/19/2024 12:00:00 AM |
| Client Sample ID:  | S-905-KJ-SO-0-0.5-081924-FD | SDG No.:        | BN082224              |
| Lab Sample ID:     | P3671-07                    | Matrix:         | Solid                 |
| Analytical Method: | 8270-Modified               | % Moisture:     | 23.4                  |
| Sample Wt/Vol:     | 30.01      Units:    g      | Final Vol:      | 1000              uL  |
| Soil Aliquot Vol:  | uL                          | Test:           |                       |
| Extraction Type :  | Decanted :                  | Level :         | LOW                   |
| Injection Volume : | GPC Factor :                | GPC Cleanup :   | PH :                  |

|                   |           |                       |                       |               |
|-------------------|-----------|-----------------------|-----------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date             | Date Analyzed         | Prep Batch ID |
| BN033574.D        | 1         | 8/21/2024 12:00:00 AM | 8/23/2024 12:00:00 AM | PB162880      |

| CAS Number                | Parameter               | Conc. | Qualifier | MDL    | LOD | LOQ / CRQL | Units     |
|---------------------------|-------------------------|-------|-----------|--------|-----|------------|-----------|
| <b>SURROGATES</b>         |                         |       |           |        |     |            |           |
| 7297-45-2                 | 2-Methylnaphthalene-d10 | 0.174 |           | 17-161 |     | 43         | SPK: -0.4 |
| 93951-69-0                | Fluoranthene-d10        | 0.138 |           | 23-138 |     | 34         | SPK: -0.4 |
| 367-12-4                  | 2-Fluorophenol          | 0.247 |           | 28-122 |     | 62         | SPK: -0.4 |
| 13127-88-3                | Phenol-d6               | 0.23  |           | 25-125 |     | 57         | SPK: -0.4 |
| 4165-60-0                 | Nitrobenzene-d5         | 0.242 |           | 33-121 |     | 60         | SPK: -0.4 |
| 321-60-8                  | 2-Fluorobiphenyl        | 0.162 |           | 32-121 |     | 41         | SPK: -0.4 |
| 118-79-6                  | 2,4,6-Tribromophenol    | 0.202 |           | 19-110 |     | 50         | SPK: -0.4 |
| 1718-51-0                 | Terphenyl-d14           | 0.096 |           | 21-130 |     | 24         | SPK: -0.4 |
| <b>INTERNAL STANDARDS</b> |                         |       |           |        |     |            |           |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4  | 8063  | 7.545     |        |     |            |           |
| 1146-65-2                 | Naphthalene-d8          | 20827 | 10.304    |        |     |            |           |
| 15067-26-2                | Acenaphthene-d10        | 10022 | 14.178    |        |     |            |           |
| 1517-22-2                 | Phenanthrene-d10        | 20045 | 16.929    |        |     |            |           |
| 1719-03-5                 | Chrysene-d12            | 22012 | 21.139    |        |     |            |           |
| 1520-96-3                 | Perylene-d12            | 22949 | 23.303    |        |     |            |           |

## Report of Analysis

|                    |                           |                 |                       |
|--------------------|---------------------------|-----------------|-----------------------|
| Client:            |                           | Date Collected: | 8/19/2024 12:00:00 AM |
| Project:           |                           | Date Received:  | 8/19/2024 12:00:00 AM |
| Client Sample ID:  | S-903-J-SO-0.5-1.0-081924 | SDG No.:        | BN082224              |
| Lab Sample ID:     | P3671-12                  | Matrix:         | Solid                 |
| Analytical Method: | 8270-Modified             | % Moisture:     | 14.2                  |
| Sample Wt/Vol:     | 30.08 Units: g            | Final Vol:      | 1000 uL               |
| Soil Aliquot Vol:  | uL                        | Test:           |                       |
| Extraction Type :  | Decanted :                | Level :         | LOW                   |
| Injection Volume : | GPC Factor :              | GPC Cleanup :   | PH :                  |

|                   |           |                       |                       |               |
|-------------------|-----------|-----------------------|-----------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date             | Date Analyzed         | Prep Batch ID |
| BN033575.D        | 1         | 8/21/2024 12:00:00 AM | 8/23/2024 12:00:00 AM | PB162880      |

| CAS Number     | Parameter                  | Conc.  | Qualifier | MDL   | LOD | LOQ / CRQL | Units |
|----------------|----------------------------|--------|-----------|-------|-----|------------|-------|
| <b>TARGETS</b> |                            |        |           |       |     |            |       |
| 62-75-9        | n-Nitrosodimethylamine     | 1.5    | U         | 1.5   | 7.7 | 7.7        | ug/Kg |
| 111-44-4       | bis(2-Chloroethyl)ether    | 0.99   | U         | 0.99  | 3.8 | 3.8        | ug/Kg |
| 91-20-3        | Naphthalene                | 3.6    | J         | 0.8   | 3.8 | 3.8        | ug/Kg |
| 87-68-3        | Hexachlorobutadiene        | 0.8    | U         | 0.8   | 3.8 | 3.8        | ug/Kg |
| 91-57-6        | 2-Methylnaphthalene        | 2.7    | J         | 0.93  | 3.8 | 3.8        | ug/Kg |
| 208-96-8       | Acenaphthylene             | 6.3    |           | 0.73  | 3.8 | 3.8        | ug/Kg |
| 83-32-9        | Acenaphthene               | 25.8   |           | 0.64  | 3.8 | 3.8        | ug/Kg |
| Total PAH      | Total PAH                  | 3909.3 |           | 16.88 | 3.8 | 60.8       | ug/Kg |
| 86-73-7        | Fluorene                   | 26.6   |           | 0.7   | 3.8 | 3.8        | ug/Kg |
| 534-52-1       | 4,6-Dinitro-2-methylphenol | 4.9    | U         | 4.9   | 7.7 | 7.7        | ug/Kg |
| 101-55-3       | 4-Bromophenyl-phenylether  | 0.92   | U         | 0.92  | 3.8 | 3.8        | ug/Kg |
| 118-74-1       | Hexachlorobenzene          | 0.99   | U         | 0.99  | 3.8 | 3.8        | ug/Kg |
| 1912-24-9      | Atrazine                   | 0.88   | U         | 0.88  | 3.8 | 3.8        | ug/Kg |
| 87-86-5        | Pentachlorophenol          | 3.3    | U         | 3.3   | 7.7 | 7.7        | ug/Kg |
| 85-01-8        | Phenanthrene               | 440    | E         | 0.73  | 3.8 | 3.8        | ug/Kg |
| 120-12-7       | Anthracene                 | 85.3   |           | 0.92  | 3.8 | 3.8        | ug/Kg |
| 206-44-0       | Fluoranthene               | 860    | E         | 0.78  | 3.8 | 3.8        | ug/Kg |
| 129-00-0       | Pyrene                     | 480    | E         | 1.1   | 3.8 | 3.8        | ug/Kg |
| 56-55-3        | Benzo(a)anthracene         | 310    | E         | 0.88  | 3.8 | 3.8        | ug/Kg |
| 218-01-9       | Chrysene                   | 330    | E         | 1     | 3.8 | 3.8        | ug/Kg |
| 117-81-7       | Bis(2-ethylhexyl)phthalate | 53.8   |           | 1.7   | 7.7 | 7.7        | ug/Kg |
| 205-99-2       | Benzo(b)fluoranthene       | 420    | E         | 1.4   | 3.8 | 3.8        | ug/Kg |
| 207-08-9       | Benzo(k)fluoranthene       | 140    |           | 1.1   | 3.8 | 3.8        | ug/Kg |
| 50-32-8        | Benzo(a)pyrene             | 340    | E         | 1.9   | 3.8 | 3.8        | ug/Kg |
| 193-39-5       | Indeno(1,2,3-cd)pyrene     | 180    |           | 1.5   | 3.8 | 3.8        | ug/Kg |
| 53-70-3        | Dibenzo(a,h)anthracene     | 51.7   |           | 1.4   | 3.8 | 3.8        | ug/Kg |
| 191-24-2       | Benzo(g,h,i)perylene       | 210    | E         | 1.3   | 3.8 | 3.8        | ug/Kg |
| 123-91-1       | 1,4-Dioxane                | 2.6    | U         | 2.6   | 7.7 | 7.7        | ug/Kg |

## Report of Analysis

|                    |                           |                 |                       |
|--------------------|---------------------------|-----------------|-----------------------|
| Client:            |                           | Date Collected: | 8/19/2024 12:00:00 AM |
| Project:           |                           | Date Received:  | 8/19/2024 12:00:00 AM |
| Client Sample ID:  | S-903-J-SO-0.5-1.0-081924 | SDG No.:        | BN082224              |
| Lab Sample ID:     | P3671-12                  | Matrix:         | Solid                 |
| Analytical Method: | 8270-Modified             | % Moisture:     | 14.2                  |
| Sample Wt/Vol:     | 30.08      Units:    g    | Final Vol:      | 1000              uL  |
| Soil Aliquot Vol:  | uL                        | Test:           |                       |
| Extraction Type :  | Decanted :                | Level :         | LOW                   |
| Injection Volume : | GPC Factor :              | GPC Cleanup :   | PH :                  |

|                   |           |                       |                       |               |
|-------------------|-----------|-----------------------|-----------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date             | Date Analyzed         | Prep Batch ID |
| BN033575.D        | 1         | 8/21/2024 12:00:00 AM | 8/23/2024 12:00:00 AM | PB162880      |

| CAS Number                | Parameter               | Conc. | Qualifier | MDL    | LOD | LOQ / CRQL | Units     |
|---------------------------|-------------------------|-------|-----------|--------|-----|------------|-----------|
| <b>SURROGATES</b>         |                         |       |           |        |     |            |           |
| 7297-45-2                 | 2-Methylnaphthalene-d10 | 0.165 |           | 17-161 |     | 41         | SPK: -0.4 |
| 93951-69-0                | Fluoranthene-d10        | 0.162 |           | 23-138 |     | 41         | SPK: -0.4 |
| 367-12-4                  | 2-Fluorophenol          | 0.156 |           | 28-122 |     | 39         | SPK: -0.4 |
| 13127-88-3                | Phenol-d6               | 0.155 |           | 25-125 |     | 39         | SPK: -0.4 |
| 4165-60-0                 | Nitrobenzene-d5         | 0.192 |           | 33-121 |     | 48         | SPK: -0.4 |
| 321-60-8                  | 2-Fluorobiphenyl        | 0.152 |           | 32-121 |     | 38         | SPK: -0.4 |
| 118-79-6                  | 2,4,6-Tribromophenol    | 0.162 |           | 19-110 |     | 41         | SPK: -0.4 |
| 1718-51-0                 | Terphenyl-d14           | 0.122 |           | 21-130 |     | 31         | SPK: -0.4 |
| <b>INTERNAL STANDARDS</b> |                         |       |           |        |     |            |           |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4  | 8161  | 7.545     |        |     |            |           |
| 1146-65-2                 | Naphthalene-d8          | 20804 | 10.304    |        |     |            |           |
| 15067-26-2                | Acenaphthene-d10        | 10684 | 14.178    |        |     |            |           |
| 1517-22-2                 | Phenanthrene-d10        | 19994 | 16.929    |        |     |            |           |
| 1719-03-5                 | Chrysene-d12            | 20246 | 21.139    |        |     |            |           |
| 1520-96-3                 | Perylene-d12            | 21193 | 23.3      |        |     |            |           |

## Report of Analysis

|                    |                      |                 |                       |
|--------------------|----------------------|-----------------|-----------------------|
| Client:            |                      | Date Collected: | 8/16/2024 12:00:00 AM |
| Project:           |                      | Date Received:  | 8/16/2024 12:00:00 AM |
| Client Sample ID:  | S-906-J-0-0.5-081624 | SDG No.:        | BN082224              |
| Lab Sample ID:     | P3660-05             | Matrix:         | Solid                 |
| Analytical Method: | 8270-Modified        | % Moisture:     | 36.4                  |
| Sample Wt/Vol:     | 30.05 Units: g       | Final Vol:      | 1000 uL               |
| Soil Aliquot Vol:  | uL                   | Test:           |                       |
| Extraction Type :  | Decanted :           | Level :         | LOW                   |
| Injection Volume : | GPC Factor :         | GPC Cleanup :   | PH :                  |

|                   |           |                       |                       |               |
|-------------------|-----------|-----------------------|-----------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date             | Date Analyzed         | Prep Batch ID |
| BN033576.D        | 1         | 8/19/2024 12:00:00 AM | 8/23/2024 12:00:00 AM | PB162844      |

| CAS Number     | Parameter                  | Conc. | Qualifier | MDL   | LOD  | LOQ / CRQL | Units |
|----------------|----------------------------|-------|-----------|-------|------|------------|-------|
| <b>TARGETS</b> |                            |       |           |       |      |            |       |
| 62-75-9        | n-Nitrosodimethylamine     | 2.1   | U         | 2.1   | 10.4 | 10.4       | ug/Kg |
| 111-44-4       | bis(2-Chloroethyl)ether    | 1.3   | U         | 1.3   | 5.2  | 5.2        | ug/Kg |
| 91-20-3        | Naphthalene                | 3.3   | J         | 1.1   | 5.2  | 5.2        | ug/Kg |
| 87-68-3        | Hexachlorobutadiene        | 1.1   | U         | 1.1   | 5.2  | 5.2        | ug/Kg |
| 91-57-6        | 2-Methylnaphthalene        | 2.3   | J         | 1.3   | 5.2  | 5.2        | ug/Kg |
| 208-96-8       | Acenaphthylene             | 4.5   | J         | 0.99  | 5.2  | 5.2        | ug/Kg |
| 83-32-9        | Acenaphthene               | 16.2  |           | 0.86  | 5.2  | 5.2        | ug/Kg |
| Total PAH      | Total PAH                  | 2528  |           | 22.78 | 5.2  | 83.2       | ug/Kg |
| 86-73-7        | Fluorene                   | 12.5  |           | 0.94  | 5.2  | 5.2        | ug/Kg |
| 534-52-1       | 4,6-Dinitro-2-methylphenol | 6.7   | U         | 6.7   | 10.4 | 10.4       | ug/Kg |
| 101-55-3       | 4-Bromophenyl-phenylether  | 1.2   | U         | 1.2   | 5.2  | 5.2        | ug/Kg |
| 118-74-1       | Hexachlorobenzene          | 1.3   | U         | 1.3   | 5.2  | 5.2        | ug/Kg |
| 1912-24-9      | Atrazine                   | 1.2   | U         | 1.2   | 5.2  | 5.2        | ug/Kg |
| 87-86-5        | Pentachlorophenol          | 4.4   | U         | 4.4   | 10.4 | 10.4       | ug/Kg |
| 85-01-8        | Phenanthrene               | 220   |           | 0.99  | 5.2  | 5.2        | ug/Kg |
| 120-12-7       | Anthracene                 | 34.5  |           | 1.2   | 5.2  | 5.2        | ug/Kg |
| 206-44-0       | Fluoranthene               | 500   | E         | 1.1   | 5.2  | 5.2        | ug/Kg |
| 129-00-0       | Pyrene                     | 320   | E         | 1.5   | 5.2  | 5.2        | ug/Kg |
| 56-55-3        | Benzo(a)anthracene         | 190   |           | 1.2   | 5.2  | 5.2        | ug/Kg |
| 218-01-9       | Chrysene                   | 230   |           | 1.3   | 5.2  | 5.2        | ug/Kg |
| 117-81-7       | Bis(2-ethylhexyl)phthalate | 9.9   | J         | 2.3   | 10.4 | 10.4       | ug/Kg |
| 205-99-2       | Benzo(b)fluoranthene       | 320   | E         | 1.9   | 5.2  | 5.2        | ug/Kg |
| 207-08-9       | Benzo(k)fluoranthene       | 98.1  |           | 1.5   | 5.2  | 5.2        | ug/Kg |
| 50-32-8        | Benzo(a)pyrene             | 230   |           | 2.6   | 5.2  | 5.2        | ug/Kg |
| 193-39-5       | Indeno(1,2,3-cd)pyrene     | 140   |           | 2     | 5.2  | 5.2        | ug/Kg |
| 53-70-3        | Dibenzo(a,h)anthracene     | 38.9  |           | 1.8   | 5.2  | 5.2        | ug/Kg |
| 191-24-2       | Benzo(g,h,i)perylene       | 170   |           | 1.8   | 5.2  | 5.2        | ug/Kg |
| 123-91-1       | 1,4-Dioxane                | 3.5   | U         | 3.5   | 10.4 | 10.4       | ug/Kg |

## Report of Analysis

|                    |                      |                 |                       |
|--------------------|----------------------|-----------------|-----------------------|
| Client:            |                      | Date Collected: | 8/16/2024 12:00:00 AM |
| Project:           |                      | Date Received:  | 8/16/2024 12:00:00 AM |
| Client Sample ID:  | S-906-J-0-0.5-081624 | SDG No.:        | BN082224              |
| Lab Sample ID:     | P3660-05             | Matrix:         | Solid                 |
| Analytical Method: | 8270-Modified        | % Moisture:     | 36.4                  |
| Sample Wt/Vol:     | 30.05      Units: g  | Final Vol:      | 1000      uL          |
| Soil Aliquot Vol:  | uL                   | Test:           |                       |
| Extraction Type :  | Decanted :           | Level :         | LOW                   |
| Injection Volume : | GPC Factor :         | GPC Cleanup :   | PH :                  |

|                   |           |                       |                       |               |
|-------------------|-----------|-----------------------|-----------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date             | Date Analyzed         | Prep Batch ID |
| BN033576.D        | 1         | 8/19/2024 12:00:00 AM | 8/23/2024 12:00:00 AM | PB162844      |

| CAS Number                | Parameter               | Conc. | Qualifier | MDL    | LOD | LOQ / CRQL | Units     |
|---------------------------|-------------------------|-------|-----------|--------|-----|------------|-----------|
| <b>SURROGATES</b>         |                         |       |           |        |     |            |           |
| 7297-45-2                 | 2-Methylnaphthalene-d10 | 0.239 |           | 17-161 |     | 60         | SPK: -0.4 |
| 93951-69-0                | Fluoranthene-d10        | 0.187 |           | 23-138 |     | 47         | SPK: -0.4 |
| 367-12-4                  | 2-Fluorophenol          | 0.247 |           | 28-122 |     | 62         | SPK: -0.4 |
| 13127-88-3                | Phenol-d6               | 0.258 |           | 25-125 |     | 64         | SPK: -0.4 |
| 4165-60-0                 | Nitrobenzene-d5         | 0.297 |           | 33-121 |     | 74         | SPK: -0.4 |
| 321-60-8                  | 2-Fluorobiphenyl        | 0.22  |           | 32-121 |     | 55         | SPK: -0.4 |
| 118-79-6                  | 2,4,6-Tribromophenol    | 0.238 |           | 19-110 |     | 60         | SPK: -0.4 |
| 1718-51-0                 | Terphenyl-d14           | 0.132 |           | 21-130 |     | 33         | SPK: -0.4 |
| <b>INTERNAL STANDARDS</b> |                         |       |           |        |     |            |           |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4  | 8038  | 7.545     |        |     |            |           |
| 1146-65-2                 | Naphthalene-d8          | 20821 | 10.304    |        |     |            |           |
| 15067-26-2                | Acenaphthene-d10        | 10027 | 14.178    |        |     |            |           |
| 1517-22-2                 | Phenanthrene-d10        | 19198 | 16.929    |        |     |            |           |
| 1719-03-5                 | Chrysene-d12            | 17574 | 21.13     |        |     |            |           |
| 1520-96-3                 | Perylene-d12            | 18720 | 23.3      |        |     |            |           |

## Report of Analysis

|                    |                        |                 |                       |
|--------------------|------------------------|-----------------|-----------------------|
| Client:            |                        | Date Collected: | 8/16/2024 12:00:00 AM |
| Project:           |                        | Date Received:  | 8/16/2024 12:00:00 AM |
| Client Sample ID:  | S-906-J-0-0.5-081624MS | SDG No.:        | BN082224              |
| Lab Sample ID:     | P3660-06MS             | Matrix:         | Solid                 |
| Analytical Method: | 8270-Modified          | % Moisture:     | 36.4                  |
| Sample Wt/Vol:     | 30.03 Units: g         | Final Vol:      | 1000 uL               |
| Soil Aliquot Vol:  | uL                     | Test:           |                       |
| Extraction Type :  | Decanted :             | Level :         | LOW                   |
| Injection Volume : | GPC Factor :           | GPC Cleanup :   | PH :                  |

|                   |           |                       |                       |               |
|-------------------|-----------|-----------------------|-----------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date             | Date Analyzed         | Prep Batch ID |
| BN033577.D        | 1         | 8/19/2024 12:00:00 AM | 8/23/2024 12:00:00 AM | PB162844      |

| CAS Number     | Parameter                  | Conc.  | Qualifier | MDL   | LOD  | LOQ / CRQL | Units |
|----------------|----------------------------|--------|-----------|-------|------|------------|-------|
| <b>TARGETS</b> |                            |        |           |       |      |            |       |
| 62-75-9        | n-Nitrosodimethylamine     | 19.2   |           | 2.1   | 10.4 | 10.4       | ug/Kg |
| 111-44-4       | bis(2-Chloroethyl)ether    | 45.7   |           | 1.3   | 5.2  | 5.2        | ug/Kg |
| 91-20-3        | Naphthalene                | 20.7   |           | 1.1   | 5.2  | 5.2        | ug/Kg |
| 87-68-3        | Hexachlorobutadiene        | 17.9   |           | 1.1   | 5.2  | 5.2        | ug/Kg |
| 91-57-6        | 2-Methylnaphthalene        | 20     |           | 1.3   | 5.2  | 5.2        | ug/Kg |
| 208-96-8       | Acenaphthylene             | 23.1   |           | 0.99  | 5.2  | 5.2        | ug/Kg |
| 83-32-9        | Acenaphthene               | 31.4   |           | 0.86  | 5.2  | 5.2        | ug/Kg |
| Total PAH      | Total PAH                  | 2348.6 |           | 22.88 | 5.2  | 83.2       | ug/Kg |
| 86-73-7        | Fluorene                   | 27.8   |           | 0.94  | 5.2  | 5.2        | ug/Kg |
| 534-52-1       | 4,6-Dinitro-2-methylphenol | 12.1   |           | 6.7   | 10.4 | 10.4       | ug/Kg |
| 101-55-3       | 4-Bromophenyl-phenylether  | 17.3   |           | 1.2   | 5.2  | 5.2        | ug/Kg |
| 118-74-1       | Hexachlorobenzene          | 17.6   |           | 1.3   | 5.2  | 5.2        | ug/Kg |
| 1912-24-9      | Atrazine                   | 19.1   |           | 1.2   | 5.2  | 5.2        | ug/Kg |
| 87-86-5        | Pentachlorophenol          | 37.6   |           | 4.4   | 10.4 | 10.4       | ug/Kg |
| 85-01-8        | Phenanthrene               | 190    |           | 0.99  | 5.2  | 5.2        | ug/Kg |
| 120-12-7       | Anthracene                 | 47.6   |           | 1.2   | 5.2  | 5.2        | ug/Kg |
| 206-44-0       | Fluoranthene               | 430    | E         | 1.1   | 5.2  | 5.2        | ug/Kg |
| 129-00-0       | Pyrene                     | 280    | E         | 1.5   | 5.2  | 5.2        | ug/Kg |
| 56-55-3        | Benzo(a)anthracene         | 170    |           | 1.2   | 5.2  | 5.2        | ug/Kg |
| 218-01-9       | Chrysene                   | 220    |           | 1.4   | 5.2  | 5.2        | ug/Kg |
| 117-81-7       | Bis(2-ethylhexyl)phthalate | 27.8   |           | 2.3   | 10.4 | 10.4       | ug/Kg |
| 205-99-2       | Benzo(b)fluoranthene       | 280    | E         | 1.9   | 5.2  | 5.2        | ug/Kg |
| 207-08-9       | Benzo(k)fluoranthene       | 99.8   |           | 1.5   | 5.2  | 5.2        | ug/Kg |
| 50-32-8        | Benzo(a)pyrene             | 200    |           | 2.6   | 5.2  | 5.2        | ug/Kg |
| 193-39-5       | Indeno(1,2,3-cd)pyrene     | 130    |           | 2     | 5.2  | 5.2        | ug/Kg |
| 53-70-3        | Dibenzo(a,h)anthracene     | 48.2   |           | 1.8   | 5.2  | 5.2        | ug/Kg |
| 191-24-2       | Benzo(g,h,i)perylene       | 150    |           | 1.8   | 5.2  | 5.2        | ug/Kg |
| 123-91-1       | 1,4-Dioxane                | 17.8   |           | 3.5   | 10.4 | 10.4       | ug/Kg |

## Report of Analysis

|                    |                        |                 |                       |
|--------------------|------------------------|-----------------|-----------------------|
| Client:            |                        | Date Collected: | 8/16/2024 12:00:00 AM |
| Project:           |                        | Date Received:  | 8/16/2024 12:00:00 AM |
| Client Sample ID:  | S-906-J-0-0.5-081624MS | SDG No.:        | BN082224              |
| Lab Sample ID:     | P3660-06MS             | Matrix:         | Solid                 |
| Analytical Method: | 8270-Modified          | % Moisture:     | 36.4                  |
| Sample Wt/Vol:     | 30.03      Units:    g | Final Vol:      | 1000              uL  |
| Soil Aliquot Vol:  | uL                     | Test:           |                       |
| Extraction Type :  | Decanted :             | Level :         | LOW                   |
| Injection Volume : | GPC Factor :           | GPC Cleanup :   | PH :                  |

|                   |           |                       |                       |               |
|-------------------|-----------|-----------------------|-----------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date             | Date Analyzed         | Prep Batch ID |
| BN033577.D        | 1         | 8/19/2024 12:00:00 AM | 8/23/2024 12:00:00 AM | PB162844      |

| CAS Number                | Parameter               | Conc. | Qualifier | MDL    | LOD | LOQ / CRQL | Units     |
|---------------------------|-------------------------|-------|-----------|--------|-----|------------|-----------|
| <b>SURROGATES</b>         |                         |       |           |        |     |            |           |
| 7297-45-2                 | 2-Methylnaphthalene-d10 | 0.208 |           | 17-161 |     | 52         | SPK: -0.4 |
| 93951-69-0                | Fluoranthene-d10        | 0.153 |           | 23-138 |     | 38         | SPK: -0.4 |
| 367-12-4                  | 2-Fluorophenol          | 0.193 |           | 28-122 |     | 48         | SPK: -0.4 |
| 13127-88-3                | Phenol-d6               | 0.201 |           | 25-125 |     | 50         | SPK: -0.4 |
| 4165-60-0                 | Nitrobenzene-d5         | 0.237 |           | 33-121 |     | 59         | SPK: -0.4 |
| 321-60-8                  | 2-Fluorobiphenyl        | 0.177 |           | 32-121 |     | 44         | SPK: -0.4 |
| 118-79-6                  | 2,4,6-Tribromophenol    | 0.178 |           | 19-110 |     | 44         | SPK: -0.4 |
| 1718-51-0                 | Terphenyl-d14           | 0.109 |           | 21-130 |     | 27         | SPK: -0.4 |
| <b>INTERNAL STANDARDS</b> |                         |       |           |        |     |            |           |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4  | 7943  | 7.545     |        |     |            |           |
| 1146-65-2                 | Naphthalene-d8          | 20409 | 10.304    |        |     |            |           |
| 15067-26-2                | Acenaphthene-d10        | 9877  | 14.178    |        |     |            |           |
| 1517-22-2                 | Phenanthrene-d10        | 20268 | 16.929    |        |     |            |           |
| 1719-03-5                 | Chrysene-d12            | 18737 | 21.139    |        |     |            |           |
| 1520-96-3                 | Perylene-d12            | 20324 | 23.303    |        |     |            |           |

## Report of Analysis

|                    |                         |                 |                       |
|--------------------|-------------------------|-----------------|-----------------------|
| Client:            |                         | Date Collected: | 8/16/2024 12:00:00 AM |
| Project:           |                         | Date Received:  | 8/16/2024 12:00:00 AM |
| Client Sample ID:  | S-906-J-0-0.5-081624MSD | SDG No.:        | BN082224              |
| Lab Sample ID:     | P3660-07MSD             | Matrix:         | Solid                 |
| Analytical Method: | 8270-Modified           | % Moisture:     | 36.4                  |
| Sample Wt/Vol:     | 30.02 Units: g          | Final Vol:      | 1000 uL               |
| Soil Aliquot Vol:  | uL                      | Test:           |                       |
| Extraction Type :  | Decanted :              | Level :         | LOW                   |
| Injection Volume : | GPC Factor :            | GPC Cleanup :   | PH :                  |

|                   |           |                       |                       |               |
|-------------------|-----------|-----------------------|-----------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date             | Date Analyzed         | Prep Batch ID |
| BN033578.D        | 1         | 8/19/2024 12:00:00 AM | 8/23/2024 12:00:00 AM | PB162844      |

| CAS Number     | Parameter                  | Conc.  | Qualifier | MDL   | LOD  | LOQ / CRQL | Units |
|----------------|----------------------------|--------|-----------|-------|------|------------|-------|
| <b>TARGETS</b> |                            |        |           |       |      |            |       |
| 62-75-9        | n-Nitrosodimethylamine     | 21.2   |           | 2.1   | 10.4 | 10.4       | ug/Kg |
| 111-44-4       | bis(2-Chloroethyl)ether    | 51.5   |           | 1.3   | 5.2  | 5.2        | ug/Kg |
| 91-20-3        | Naphthalene                | 23.5   |           | 1.1   | 5.2  | 5.2        | ug/Kg |
| 87-68-3        | Hexachlorobutadiene        | 20.3   |           | 1.1   | 5.2  | 5.2        | ug/Kg |
| 91-57-6        | 2-Methylnaphthalene        | 22.6   |           | 1.3   | 5.2  | 5.2        | ug/Kg |
| 208-96-8       | Acenaphthylene             | 26     |           | 0.99  | 5.2  | 5.2        | ug/Kg |
| 83-32-9        | Acenaphthene               | 35.2   |           | 0.86  | 5.2  | 5.2        | ug/Kg |
| Total PAH      | Total PAH                  | 2665.9 |           | 22.88 | 5.2  | 83.2       | ug/Kg |
| 86-73-7        | Fluorene                   | 31.2   |           | 0.94  | 5.2  | 5.2        | ug/Kg |
| 534-52-1       | 4,6-Dinitro-2-methylphenol | 13     |           | 6.7   | 10.4 | 10.4       | ug/Kg |
| 101-55-3       | 4-Bromophenyl-phenylether  | 20.3   |           | 1.2   | 5.2  | 5.2        | ug/Kg |
| 118-74-1       | Hexachlorobenzene          | 20.5   |           | 1.3   | 5.2  | 5.2        | ug/Kg |
| 1912-24-9      | Atrazine                   | 21.6   |           | 1.2   | 5.2  | 5.2        | ug/Kg |
| 87-86-5        | Pentachlorophenol          | 43.6   |           | 4.4   | 10.4 | 10.4       | ug/Kg |
| 85-01-8        | Phenanthrene               | 220    |           | 0.99  | 5.2  | 5.2        | ug/Kg |
| 120-12-7       | Anthracene                 | 54.7   |           | 1.2   | 5.2  | 5.2        | ug/Kg |
| 206-44-0       | Fluoranthene               | 490    | E         | 1.1   | 5.2  | 5.2        | ug/Kg |
| 129-00-0       | Pyrene                     | 310    | E         | 1.5   | 5.2  | 5.2        | ug/Kg |
| 56-55-3        | Benzo(a)anthracene         | 200    |           | 1.2   | 5.2  | 5.2        | ug/Kg |
| 218-01-9       | Chrysene                   | 240    |           | 1.4   | 5.2  | 5.2        | ug/Kg |
| 117-81-7       | Bis(2-ethylhexyl)phthalate | 30.6   |           | 2.3   | 10.4 | 10.4       | ug/Kg |
| 205-99-2       | Benzo(b)fluoranthene       | 300    | E         | 1.9   | 5.2  | 5.2        | ug/Kg |
| 207-08-9       | Benzo(k)fluoranthene       | 130    |           | 1.5   | 5.2  | 5.2        | ug/Kg |
| 50-32-8        | Benzo(a)pyrene             | 230    |           | 2.6   | 5.2  | 5.2        | ug/Kg |
| 193-39-5       | Indeno(1,2,3-cd)pyrene     | 150    |           | 2     | 5.2  | 5.2        | ug/Kg |
| 53-70-3        | Dibenzo(a,h)anthracene     | 55.3   |           | 1.8   | 5.2  | 5.2        | ug/Kg |
| 191-24-2       | Benzo(g,h,i)perylene       | 170    |           | 1.8   | 5.2  | 5.2        | ug/Kg |
| 123-91-1       | 1,4-Dioxane                | 19.6   |           | 3.5   | 10.4 | 10.4       | ug/Kg |

## Report of Analysis

|                    |                         |                 |                       |
|--------------------|-------------------------|-----------------|-----------------------|
| Client:            |                         | Date Collected: | 8/16/2024 12:00:00 AM |
| Project:           |                         | Date Received:  | 8/16/2024 12:00:00 AM |
| Client Sample ID:  | S-906-J-0-0.5-081624MSD | SDG No.:        | BN082224              |
| Lab Sample ID:     | P3660-07MSD             | Matrix:         | Solid                 |
| Analytical Method: | 8270-Modified           | % Moisture:     | 36.4                  |
| Sample Wt/Vol:     | 30.02      Units:    g  | Final Vol:      | 1000              uL  |
| Soil Aliquot Vol:  | uL                      | Test:           |                       |
| Extraction Type :  | Decanted :              | Level :         | LOW                   |
| Injection Volume : | GPC Factor :            | GPC Cleanup :   | PH :                  |

|                   |           |                       |                       |               |
|-------------------|-----------|-----------------------|-----------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date             | Date Analyzed         | Prep Batch ID |
| BN033578.D        | 1         | 8/19/2024 12:00:00 AM | 8/23/2024 12:00:00 AM | PB162844      |

| CAS Number                | Parameter               | Conc. | Qualifier | MDL    | LOD | LOQ / CRQL | Units     |
|---------------------------|-------------------------|-------|-----------|--------|-----|------------|-----------|
| <b>SURROGATES</b>         |                         |       |           |        |     |            |           |
| 7297-45-2                 | 2-Methylnaphthalene-d10 | 0.235 |           | 17-161 |     | 59         | SPK: -0.4 |
| 93951-69-0                | Fluoranthene-d10        | 0.175 |           | 23-138 |     | 44         | SPK: -0.4 |
| 367-12-4                  | 2-Fluorophenol          | 0.217 |           | 28-122 |     | 54         | SPK: -0.4 |
| 13127-88-3                | Phenol-d6               | 0.227 |           | 25-125 |     | 57         | SPK: -0.4 |
| 4165-60-0                 | Nitrobenzene-d5         | 0.272 |           | 33-121 |     | 68         | SPK: -0.4 |
| 321-60-8                  | 2-Fluorobiphenyl        | 0.202 |           | 32-121 |     | 50         | SPK: -0.4 |
| 118-79-6                  | 2,4,6-Tribromophenol    | 0.205 |           | 19-110 |     | 51         | SPK: -0.4 |
| 1718-51-0                 | Terphenyl-d14           | 0.121 |           | 21-130 |     | 30         | SPK: -0.4 |
| <b>INTERNAL STANDARDS</b> |                         |       |           |        |     |            |           |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4  | 7068  | 7.545     |        |     |            |           |
| 1146-65-2                 | Naphthalene-d8          | 18030 | 10.304    |        |     |            |           |
| 15067-26-2                | Acenaphthene-d10        | 8743  | 14.178    |        |     |            |           |
| 1517-22-2                 | Phenanthrene-d10        | 17410 | 16.929    |        |     |            |           |
| 1719-03-5                 | Chrysene-d12            | 16497 | 21.139    |        |     |            |           |
| 1520-96-3                 | Perylene-d12            | 17708 | 23.303    |        |     |            |           |

## Report of Analysis

|                    |                        |                 |                       |
|--------------------|------------------------|-----------------|-----------------------|
| Client:            |                        | Date Collected: | 8/16/2024 12:00:00 AM |
| Project:           |                        | Date Received:  | 8/16/2024 12:00:00 AM |
| Client Sample ID:  | 910-J-SD-0.5-1-081624  | SDG No.:        | BN082224              |
| Lab Sample ID:     | P3663-02               | Matrix:         | Solid                 |
| Analytical Method: | 8270-Modified          | % Moisture:     | 35.4                  |
| Sample Wt/Vol:     | 30.01      Units:    g | Final Vol:      | 1000              uL  |
| Soil Aliquot Vol:  | uL                     | Test:           |                       |
| Extraction Type :  | Decanted :             | Level :         | LOW                   |
| Injection Volume : | GPC Factor :           | GPC Cleanup :   | PH :                  |

|                   |           |                       |                       |               |
|-------------------|-----------|-----------------------|-----------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date             | Date Analyzed         | Prep Batch ID |
| BN033579.D        | 1         | 8/19/2024 12:00:00 AM | 8/23/2024 12:00:00 AM | PB162844      |

| CAS Number     | Parameter                  | Conc.  | Qualifier | MDL   | LOD  | LOQ / CRQL | Units |
|----------------|----------------------------|--------|-----------|-------|------|------------|-------|
| <b>TARGETS</b> |                            |        |           |       |      |            |       |
| 62-75-9        | n-Nitrosodimethylamine     | 2      | U         | 2     | 10.2 | 10.2       | ug/Kg |
| 111-44-4       | bis(2-Chloroethyl)ether    | 1.3    | U         | 1.3   | 5.1  | 5.1        | ug/Kg |
| 91-20-3        | Naphthalene                | 1.6    | J         | 1.1   | 5.1  | 5.1        | ug/Kg |
| 87-68-3        | Hexachlorobutadiene        | 1.1    | U         | 1.1   | 5.1  | 5.1        | ug/Kg |
| 91-57-6        | 2-Methylnaphthalene        | 1.2    | J         | 1.2   | 5.1  | 5.1        | ug/Kg |
| 208-96-8       | Acenaphthylene             | 5.4    |           | 0.97  | 5.1  | 5.1        | ug/Kg |
| 83-32-9        | Acenaphthene               | 7.6    |           | 0.85  | 5.1  | 5.1        | ug/Kg |
| Total PAH      | Total PAH                  | 2101.4 |           | 22.42 | 5.1  | 81.6       | ug/Kg |
| 86-73-7        | Fluorene                   | 9.7    |           | 0.93  | 5.1  | 5.1        | ug/Kg |
| 534-52-1       | 4,6-Dinitro-2-methylphenol | 6.6    | U         | 6.6   | 10.2 | 10.2       | ug/Kg |
| 101-55-3       | 4-Bromophenyl-phenylether  | 1.2    | U         | 1.2   | 5.1  | 5.1        | ug/Kg |
| 118-74-1       | Hexachlorobenzene          | 1.3    | U         | 1.3   | 5.1  | 5.1        | ug/Kg |
| 1912-24-9      | Atrazine                   | 1.2    | U         | 1.2   | 5.1  | 5.1        | ug/Kg |
| 87-86-5        | Pentachlorophenol          | 4.4    | U         | 4.4   | 10.2 | 10.2       | ug/Kg |
| 85-01-8        | Phenanthrene               | 140    |           | 0.97  | 5.1  | 5.1        | ug/Kg |
| 120-12-7       | Anthracene                 | 32.1   |           | 1.2   | 5.1  | 5.1        | ug/Kg |
| 206-44-0       | Fluoranthene               | 450    | E         | 1     | 5.1  | 5.1        | ug/Kg |
| 129-00-0       | Pyrene                     | 280    | E         | 1.5   | 5.1  | 5.1        | ug/Kg |
| 56-55-3        | Benzo(a)anthracene         | 200    |           | 1.2   | 5.1  | 5.1        | ug/Kg |
| 218-01-9       | Chrysene                   | 210    |           | 1.3   | 5.1  | 5.1        | ug/Kg |
| 117-81-7       | Bis(2-ethylhexyl)phthalate | 57.7   |           | 2.3   | 10.2 | 10.2       | ug/Kg |
| 205-99-2       | Benzo(b)fluoranthene       | 240    |           | 1.8   | 5.1  | 5.1        | ug/Kg |
| 207-08-9       | Benzo(k)fluoranthene       | 87.6   |           | 1.5   | 5.1  | 5.1        | ug/Kg |
| 50-32-8        | Benzo(a)pyrene             | 200    |           | 2.6   | 5.1  | 5.1        | ug/Kg |
| 193-39-5       | Indeno(1,2,3-cd)pyrene     | 98.4   |           | 1.9   | 5.1  | 5.1        | ug/Kg |
| 53-70-3        | Dibenzo(a,h)anthracene     | 29     |           | 1.8   | 5.1  | 5.1        | ug/Kg |
| 191-24-2       | Benzo(g,h,i)perylene       | 110    |           | 1.8   | 5.1  | 5.1        | ug/Kg |
| 123-91-1       | 1,4-Dioxane                | 5.1    | J         | 3.4   | 10.2 | 10.2       | ug/Kg |

## Report of Analysis

|                    |                       |                 |                       |
|--------------------|-----------------------|-----------------|-----------------------|
| Client:            |                       | Date Collected: | 8/16/2024 12:00:00 AM |
| Project:           |                       | Date Received:  | 8/16/2024 12:00:00 AM |
| Client Sample ID:  | 910-J-SD-0.5-1-081624 | SDG No.:        | BN082224              |
| Lab Sample ID:     | P3663-02              | Matrix:         | Solid                 |
| Analytical Method: | 8270-Modified         | % Moisture:     | 35.4                  |
| Sample Wt/Vol:     | 30.01      Units: g   | Final Vol:      | 1000      uL          |
| Soil Aliquot Vol:  | uL                    | Test:           |                       |
| Extraction Type :  | Decanted :            | Level :         | LOW                   |
| Injection Volume : | GPC Factor :          | GPC Cleanup :   | PH :                  |

|                   |           |                       |                       |               |
|-------------------|-----------|-----------------------|-----------------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date             | Date Analyzed         | Prep Batch ID |
| BN033579.D        | 1         | 8/19/2024 12:00:00 AM | 8/23/2024 12:00:00 AM | PB162844      |

| CAS Number                | Parameter               | Conc. | Qualifier | MDL    | LOD | LOQ / CRQL | Units     |
|---------------------------|-------------------------|-------|-----------|--------|-----|------------|-----------|
| <b>SURROGATES</b>         |                         |       |           |        |     |            |           |
| 7297-45-2                 | 2-Methylnaphthalene-d10 | 0.157 |           | 17-161 |     | 39         | SPK: -0.4 |
| 93951-69-0                | Fluoranthene-d10        | 0.13  |           | 23-138 |     | 32         | SPK: -0.4 |
| 367-12-4                  | 2-Fluorophenol          | 0.183 |           | 28-122 |     | 46         | SPK: -0.4 |
| 13127-88-3                | Phenol-d6               | 0.184 |           | 25-125 |     | 46         | SPK: -0.4 |
| 4165-60-0                 | Nitrobenzene-d5         | 0.19  |           | 33-121 |     | 47         | SPK: -0.4 |
| 321-60-8                  | 2-Fluorobiphenyl        | 0.142 |           | 32-121 |     | 36         | SPK: -0.4 |
| 118-79-6                  | 2,4,6-Tribromophenol    | 0.178 |           | 19-110 |     | 44         | SPK: -0.4 |
| 1718-51-0                 | Terphenyl-d14           | 0.086 |           | 21-130 |     | 22         | SPK: -0.4 |
| <b>INTERNAL STANDARDS</b> |                         |       |           |        |     |            |           |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4  | 8470  | 7.545     |        |     |            |           |
| 1146-65-2                 | Naphthalene-d8          | 22042 | 10.303    |        |     |            |           |
| 15067-26-2                | Acenaphthene-d10        | 10897 | 14.178    |        |     |            |           |
| 1517-22-2                 | Phenanthrene-d10        | 22785 | 16.929    |        |     |            |           |
| 1719-03-5                 | Chrysene-d12            | 21407 | 21.139    |        |     |            |           |
| 1520-96-3                 | Perylene-d12            | 23944 | 23.303    |        |     |            |           |

### Hit Summary Sheet SW-846

SDG No.: BN082224

Client:

| Sample ID                              | Client ID               | Parameter | Concentration              | C         | MDL    | RDL   | Units |
|----------------------------------------|-------------------------|-----------|----------------------------|-----------|--------|-------|-------|
| Client ID : TT189D2-HYD-20240813RE     |                         |           |                            |           |        |       |       |
| P3623-02RE                             | TT189D2-HYD-2024081     | Water     | 1,4-Dioxane                | 0.650     | 0.07   | 0.2   | ug/L  |
| Total Svoc :                           |                         |           |                            | 0.65      |        |       |       |
| Total Concentration:                   |                         |           |                            | 0.65      |        |       |       |
| Client ID : 918-J-SD-0-0.5-081524DL    |                         |           |                            |           |        |       |       |
| P3643-07DL                             | 918-J-SD-0-0.5-081524D  | Solid     | 2-Methylnaphthalene        | 7.000     | JD 5.4 | 22.4  | ug/Kg |
| P3643-07DL                             | 918-J-SD-0-0.5-081524D  | Solid     | Acenaphthene               | 130.000   | D 3.7  | 22.4  | ug/Kg |
| P3643-07DL                             | 918-J-SD-0-0.5-081524D  | Solid     | Anthracene                 | 120.000   | D 5.4  | 22.4  | ug/Kg |
| P3643-07DL                             | 918-J-SD-0-0.5-081524D  | Solid     | Benzo(a)anthracene         | 340.000   | D 5.2  | 22.4  | ug/Kg |
| P3643-07DL                             | 918-J-SD-0-0.5-081524D  | Solid     | Benzo(a)pyrene             | 330.000   | D 11.3 | 22.4  | ug/Kg |
| P3643-07DL                             | 918-J-SD-0-0.5-081524D  | Solid     | Benzo(b)fluoranthene       | 360.000   | D 8.1  | 22.4  | ug/Kg |
| P3643-07DL                             | 918-J-SD-0-0.5-081524D  | Solid     | Benzo(g,h,i)perylene       | 190.000   | D 7.7  | 22.4  | ug/Kg |
| P3643-07DL                             | 918-J-SD-0-0.5-081524D  | Solid     | Benzo(k)fluoranthene       | 150.000   | D 6.6  | 22.4  | ug/Kg |
| P3643-07DL                             | 918-J-SD-0-0.5-081524D  | Solid     | Bis(2-ethylhexyl)phthalate | 21.300    | JD 10  | 44.8  | ug/Kg |
| P3643-07DL                             | 918-J-SD-0-0.5-081524D  | Solid     | Chrysene                   | 330.000   | D 5.8  | 22.4  | ug/Kg |
| P3643-07DL                             | 918-J-SD-0-0.5-081524D  | Solid     | Dibenzo(a,h)anthracene     | 50.000    | D 7.9  | 22.4  | ug/Kg |
| P3643-07DL                             | 918-J-SD-0-0.5-081524D  | Solid     | Fluoranthene               | 650.000   | D 4.5  | 22.4  | ug/Kg |
| P3643-07DL                             | 918-J-SD-0-0.5-081524D  | Solid     | Fluorene                   | 120.000   | D 4.1  | 22.4  | ug/Kg |
| P3643-07DL                             | 918-J-SD-0-0.5-081524D  | Solid     | Indeno(1,2,3-cd)pyrene     | 150.000   | D 8.5  | 22.4  | ug/Kg |
| P3643-07DL                             | 918-J-SD-0-0.5-081524D  | Solid     | Naphthalene                | 9.700     | JD 4.7 | 22.4  | ug/Kg |
| P3643-07DL                             | 918-J-SD-0-0.5-081524D  | Solid     | Phenanthrene               | 510.000   | D 4.3  | 22.4  | ug/Kg |
| P3643-07DL                             | 918-J-SD-0-0.5-081524D  | Solid     | Pyrene                     | 440.000   | D 6.4  | 22.4  | ug/Kg |
| P3643-07DL                             | 918-J-SD-0-0.5-081524D  | Solid     | Total PAH                  | 3,879.000 | D 98.5 | 358.4 | ug/Kg |
| Total Svoc :                           |                         |           |                            | 7,787.00  |        |       |       |
| Total Concentration:                   |                         |           |                            | 7,787.00  |        |       |       |
| Client ID : 921-J-SD-0-0.5-081524-FDDL |                         |           |                            |           |        |       |       |
| P3643-13DL                             | 921-J-SD-0-0.5-081524-F | Solid     | Acenaphthene               | 45.500    | D 3.3  | 20    | ug/Kg |
| P3643-13DL                             | 921-J-SD-0-0.5-081524-F | Solid     | Anthracene                 | 110.000   | D 4.8  | 20    | ug/Kg |
| P3643-13DL                             | 921-J-SD-0-0.5-081524-F | Solid     | Benzo(a)anthracene         | 360.000   | D 4.6  | 20    | ug/Kg |
| P3643-13DL                             | 921-J-SD-0-0.5-081524-F | Solid     | Benzo(a)pyrene             | 350.000   | D 10.1 | 20    | ug/Kg |
| P3643-13DL                             | 921-J-SD-0-0.5-081524-F | Solid     | Benzo(b)fluoranthene       | 390.000   | D 7.2  | 20    | ug/Kg |
| P3643-13DL                             | 921-J-SD-0-0.5-081524-F | Solid     | Benzo(g,h,i)perylene       | 200.000   | D 6.9  | 20    | ug/Kg |
| P3643-13DL                             | 921-J-SD-0-0.5-081524-F | Solid     | Benzo(k)fluoranthene       | 150.000   | D 5.9  | 20    | ug/Kg |
| P3643-13DL                             | 921-J-SD-0-0.5-081524-F | Solid     | Bis(2-ethylhexyl)phthalate | 12.300    | JD 8.9 | 40    | ug/Kg |
| P3643-13DL                             | 921-J-SD-0-0.5-081524-F | Solid     | Chrysene                   | 310.000   | D 5.2  | 20    | ug/Kg |
| P3643-13DL                             | 921-J-SD-0-0.5-081524-F | Solid     | Dibenzo(a,h)anthracene     | 47.900    | D 7.1  | 20    | ug/Kg |
| P3643-13DL                             | 921-J-SD-0-0.5-081524-F | Solid     | Fluoranthene               | 740.000   | D 4.1  | 20    | ug/Kg |

### Hit Summary Sheet SW-846

SDG No.: BN082224

Client:

| Sample ID            | Client ID               | Matrix | Parameter              | Concentration | C | MDL | RDL | Units |
|----------------------|-------------------------|--------|------------------------|---------------|---|-----|-----|-------|
| P3643-13DL           | 921-J-SD-0-0.5-081524-F | Solid  | Fluorene               | 33.600        | D | 3.6 | 20  | ug/Kg |
| P3643-13DL           | 921-J-SD-0-0.5-081524-F | Solid  | Indeno(1,2,3-cd)pyrene | 170.000       | D | 7.6 | 20  | ug/Kg |
| P3643-13DL           | 921-J-SD-0-0.5-081524-F | Solid  | Phenanthrene           | 430.000       | D | 3.8 | 20  | ug/Kg |
| P3643-13DL           | 921-J-SD-0-0.5-081524-F | Solid  | Pyrene                 | 540.000       | D | 5.8 | 20  | ug/Kg |
| P3643-13DL           | 921-J-SD-0-0.5-081524-F | Solid  | Total PAH              | 3,877.000     | D | 88  | 320 | ug/Kg |
| Total Svoc :         |                         |        |                        | 7,766.30      |   |     |     |       |
| Total Concentration: |                         |        |                        | 7,766.30      |   |     |     |       |

Client ID : S-901-J-0.5-1-081624

|                      |                      |       |                            |           |   |       |      |       |
|----------------------|----------------------|-------|----------------------------|-----------|---|-------|------|-------|
| P3660-02             | S-901-J-0.5-1-081624 | Solid | 2-Methylnaphthalene        | 1.300     | J | 0.92  | 3.8  | ug/Kg |
| P3660-02             | S-901-J-0.5-1-081624 | Solid | Acenaphthene               | 4.900     |   | 0.63  | 3.8  | ug/Kg |
| P3660-02             | S-901-J-0.5-1-081624 | Solid | Acenaphthylene             | 6.100     |   | 0.72  | 3.8  | ug/Kg |
| P3660-02             | S-901-J-0.5-1-081624 | Solid | Anthracene                 | 21.200    |   | 0.91  | 3.8  | ug/Kg |
| P3660-02             | S-901-J-0.5-1-081624 | Solid | Benzo(a)anthracene         | 100.000   |   | 0.87  | 3.8  | ug/Kg |
| P3660-02             | S-901-J-0.5-1-081624 | Solid | Benzo(a)pyrene             | 120.000   |   | 1.9   | 3.8  | ug/Kg |
| P3660-02             | S-901-J-0.5-1-081624 | Solid | Benzo(b)fluoranthene       | 140.000   |   | 1.4   | 3.8  | ug/Kg |
| P3660-02             | S-901-J-0.5-1-081624 | Solid | Benzo(g,h,i)perylene       | 69.300    |   | 1.3   | 3.8  | ug/Kg |
| P3660-02             | S-901-J-0.5-1-081624 | Solid | Benzo(k)fluoranthene       | 51.500    |   | 1.1   | 3.8  | ug/Kg |
| P3660-02             | S-901-J-0.5-1-081624 | Solid | Bis(2-ethylhexyl)phthalate | 9.200     |   | 1.7   | 7.6  | ug/Kg |
| P3660-02             | S-901-J-0.5-1-081624 | Solid | Chrysene                   | 97.400    |   | 0.99  | 3.8  | ug/Kg |
| P3660-02             | S-901-J-0.5-1-081624 | Solid | Dibenzo(a,h)anthracene     | 18.300    |   | 1.3   | 3.8  | ug/Kg |
| P3660-02             | S-901-J-0.5-1-081624 | Solid | Fluoranthene               | 190.000   | E | 0.77  | 3.8  | ug/Kg |
| P3660-02             | S-901-J-0.5-1-081624 | Solid | Fluorene                   | 5.300     |   | 0.69  | 3.8  | ug/Kg |
| P3660-02             | S-901-J-0.5-1-081624 | Solid | Indeno(1,2,3-cd)pyrene     | 59.500    |   | 1.4   | 3.8  | ug/Kg |
| P3660-02             | S-901-J-0.5-1-081624 | Solid | Naphthalene                | 1.600     | J | 0.79  | 3.8  | ug/Kg |
| P3660-02             | S-901-J-0.5-1-081624 | Solid | Phenanthrene               | 79.800    |   | 0.72  | 3.8  | ug/Kg |
| P3660-02             | S-901-J-0.5-1-081624 | Solid | Pyrene                     | 140.000   |   | 1.1   | 3.8  | ug/Kg |
| P3660-02             | S-901-J-0.5-1-081624 | Solid | Total PAH                  | 1,104.000 |   | 16.59 | 60.8 | ug/Kg |
| Total Svoc :         |                      |       |                            | 2,219.40  |   |       |      |       |
| Total Concentration: |                      |       |                            | 2,219.40  |   |       |      |       |

Client ID : S-906-J-0-0.5-081624

|          |                      |       |                      |         |   |      |     |       |
|----------|----------------------|-------|----------------------|---------|---|------|-----|-------|
| P3660-05 | S-906-J-0-0.5-081624 | Solid | 2-Methylnaphthalene  | 2.300   | J | 1.3  | 5.2 | ug/Kg |
| P3660-05 | S-906-J-0-0.5-081624 | Solid | Acenaphthene         | 16.200  |   | 0.86 | 5.2 | ug/Kg |
| P3660-05 | S-906-J-0-0.5-081624 | Solid | Acenaphthylene       | 4.500   | J | 0.99 | 5.2 | ug/Kg |
| P3660-05 | S-906-J-0-0.5-081624 | Solid | Anthracene           | 34.500  |   | 1.2  | 5.2 | ug/Kg |
| P3660-05 | S-906-J-0-0.5-081624 | Solid | Benzo(a)anthracene   | 190.000 |   | 1.2  | 5.2 | ug/Kg |
| P3660-05 | S-906-J-0-0.5-081624 | Solid | Benzo(a)pyrene       | 230.000 |   | 2.6  | 5.2 | ug/Kg |
| P3660-05 | S-906-J-0-0.5-081624 | Solid | Benzo(b)fluoranthene | 320.000 | E | 1.9  | 5.2 | ug/Kg |
| P3660-05 | S-906-J-0-0.5-081624 | Solid | Benzo(g,h,i)perylene | 170.000 |   | 1.8  | 5.2 | ug/Kg |
| P3660-05 | S-906-J-0-0.5-081624 | Solid | Benzo(k)fluoranthene | 98.100  |   | 1.5  | 5.2 | ug/Kg |

### Hit Summary Sheet SW-846

SDG No.: BN082224

Client:

| Sample ID                         | Client ID             | Matrix | Parameter                  | Concentration | C | MDL   | RDL  | Units |
|-----------------------------------|-----------------------|--------|----------------------------|---------------|---|-------|------|-------|
| P3660-05                          | S-906-J-0-0.5-081624  | Solid  | Bis(2-ethylhexyl)phthalate | 9.900         | J | 2.3   | 10.4 | ug/Kg |
| P3660-05                          | S-906-J-0-0.5-081624  | Solid  | Chrysene                   | 230.000       |   | 1.3   | 5.2  | ug/Kg |
| P3660-05                          | S-906-J-0-0.5-081624  | Solid  | Dibenzo(a,h)anthracene     | 38.900        |   | 1.8   | 5.2  | ug/Kg |
| P3660-05                          | S-906-J-0-0.5-081624  | Solid  | Fluoranthene               | 500.000       | E | 1.1   | 5.2  | ug/Kg |
| P3660-05                          | S-906-J-0-0.5-081624  | Solid  | Fluorene                   | 12.500        |   | 0.94  | 5.2  | ug/Kg |
| P3660-05                          | S-906-J-0-0.5-081624  | Solid  | Indeno(1,2,3-cd)pyrene     | 140.000       |   | 2     | 5.2  | ug/Kg |
| P3660-05                          | S-906-J-0-0.5-081624  | Solid  | Naphthalene                | 3.300         | J | 1.1   | 5.2  | ug/Kg |
| P3660-05                          | S-906-J-0-0.5-081624  | Solid  | Phenanthrene               | 220.000       |   | 0.99  | 5.2  | ug/Kg |
| P3660-05                          | S-906-J-0-0.5-081624  | Solid  | Pyrene                     | 320.000       | E | 1.5   | 5.2  | ug/Kg |
| P3660-05                          | S-906-J-0-0.5-081624  | Solid  | Total PAH                  | 2,528.000     |   | 22.78 | 83.2 | ug/Kg |
| Total Svoc :                      |                       |        |                            | 5,068.20      |   |       |      |       |
| Total Concentration:              |                       |        |                            | 5,068.20      |   |       |      |       |
| Client ID : S-906-J-0.5-1-081624  |                       |        |                            |               |   |       |      |       |
| P3660-08                          | S-906-J-0.5-1-081624  | Solid  | 2-Methylnaphthalene        | 2.100         | J | 0.93  | 3.8  | ug/Kg |
| P3660-08                          | S-906-J-0.5-1-081624  | Solid  | Acenaphthene               | 15.600        |   | 0.64  | 3.8  | ug/Kg |
| P3660-08                          | S-906-J-0.5-1-081624  | Solid  | Acenaphthylene             | 1.700         | J | 0.73  | 3.8  | ug/Kg |
| P3660-08                          | S-906-J-0.5-1-081624  | Solid  | Anthracene                 | 23.800        |   | 0.92  | 3.8  | ug/Kg |
| P3660-08                          | S-906-J-0.5-1-081624  | Solid  | Benzo(a)anthracene         | 64.700        |   | 0.89  | 3.8  | ug/Kg |
| P3660-08                          | S-906-J-0.5-1-081624  | Solid  | Benzo(a)pyrene             | 66.000        |   | 1.9   | 3.8  | ug/Kg |
| P3660-08                          | S-906-J-0.5-1-081624  | Solid  | Benzo(b)fluoranthene       | 76.000        |   | 1.4   | 3.8  | ug/Kg |
| P3660-08                          | S-906-J-0.5-1-081624  | Solid  | Benzo(g,h,i)perylene       | 39.200        |   | 1.3   | 3.8  | ug/Kg |
| P3660-08                          | S-906-J-0.5-1-081624  | Solid  | Benzo(k)fluoranthene       | 30.100        |   | 1.1   | 3.8  | ug/Kg |
| P3660-08                          | S-906-J-0.5-1-081624  | Solid  | Bis(2-ethylhexyl)phthalate | 3.800         | J | 1.7   | 7.7  | ug/Kg |
| P3660-08                          | S-906-J-0.5-1-081624  | Solid  | Chrysene                   | 62.700        |   | 1     | 3.8  | ug/Kg |
| P3660-08                          | S-906-J-0.5-1-081624  | Solid  | Dibenzo(a,h)anthracene     | 9.800         |   | 1.4   | 3.8  | ug/Kg |
| P3660-08                          | S-906-J-0.5-1-081624  | Solid  | Fluoranthene               | 150.000       |   | 0.78  | 3.8  | ug/Kg |
| P3660-08                          | S-906-J-0.5-1-081624  | Solid  | Fluorene                   | 8.700         |   | 0.7   | 3.8  | ug/Kg |
| P3660-08                          | S-906-J-0.5-1-081624  | Solid  | Indeno(1,2,3-cd)pyrene     | 33.000        |   | 1.5   | 3.8  | ug/Kg |
| P3660-08                          | S-906-J-0.5-1-081624  | Solid  | Naphthalene                | 1.400         | J | 0.8   | 3.8  | ug/Kg |
| P3660-08                          | S-906-J-0.5-1-081624  | Solid  | Phenanthrene               | 92.000        |   | 0.73  | 3.8  | ug/Kg |
| P3660-08                          | S-906-J-0.5-1-081624  | Solid  | Pyrene                     | 100.000       |   | 1.1   | 3.8  | ug/Kg |
| P3660-08                          | S-906-J-0.5-1-081624  | Solid  | Total PAH                  | 774.000       |   | 16.89 | 60.8 | ug/Kg |
| Total Svoc :                      |                       |        |                            | 1,554.60      |   |       |      |       |
| Total Concentration:              |                       |        |                            | 1,554.60      |   |       |      |       |
| Client ID : 910-J-SD-0.5-1-081624 |                       |        |                            |               |   |       |      |       |
| P3663-02                          | 910-J-SD-0.5-1-081624 | Solid  | 1,4-Dioxane                | 5.100         | J | 3.4   | 10.2 | ug/Kg |
| P3663-02                          | 910-J-SD-0.5-1-081624 | Solid  | 2-Methylnaphthalene        | 1.200         | J | 1.2   | 5.1  | ug/Kg |
| P3663-02                          | 910-J-SD-0.5-1-081624 | Solid  | Acenaphthene               | 7.600         |   | 0.85  | 5.1  | ug/Kg |
| P3663-02                          | 910-J-SD-0.5-1-081624 | Solid  | Acenaphthylene             | 5.400         |   | 0.97  | 5.1  | ug/Kg |

### Hit Summary Sheet SW-846

SDG No.: BN082224

Client:

| Sample ID            | Client ID             | Matrix | Parameter                  | Concentration | C | MDL   | RDL  | Units |
|----------------------|-----------------------|--------|----------------------------|---------------|---|-------|------|-------|
| P3663-02             | 910-J-SD-0.5-1-081624 | Solid  | Anthracene                 | 32.100        |   | 1.2   | 5.1  | ug/Kg |
| P3663-02             | 910-J-SD-0.5-1-081624 | Solid  | Benzo(a)anthracene         | 200.000       |   | 1.2   | 5.1  | ug/Kg |
| P3663-02             | 910-J-SD-0.5-1-081624 | Solid  | Benzo(a)pyrene             | 200.000       |   | 2.6   | 5.1  | ug/Kg |
| P3663-02             | 910-J-SD-0.5-1-081624 | Solid  | Benzo(b)fluoranthene       | 240.000       |   | 1.8   | 5.1  | ug/Kg |
| P3663-02             | 910-J-SD-0.5-1-081624 | Solid  | Benzo(g,h,i)perylene       | 110.000       |   | 1.8   | 5.1  | ug/Kg |
| P3663-02             | 910-J-SD-0.5-1-081624 | Solid  | Benzo(k)fluoranthene       | 87.600        |   | 1.5   | 5.1  | ug/Kg |
| P3663-02             | 910-J-SD-0.5-1-081624 | Solid  | Bis(2-ethylhexyl)phthalate | 57.700        |   | 2.3   | 10.2 | ug/Kg |
| P3663-02             | 910-J-SD-0.5-1-081624 | Solid  | Chrysene                   | 210.000       |   | 1.3   | 5.1  | ug/Kg |
| P3663-02             | 910-J-SD-0.5-1-081624 | Solid  | Dibenzo(a,h)anthracene     | 29.000        |   | 1.8   | 5.1  | ug/Kg |
| P3663-02             | 910-J-SD-0.5-1-081624 | Solid  | Fluoranthene               | 450.000       | E | 1     | 5.1  | ug/Kg |
| P3663-02             | 910-J-SD-0.5-1-081624 | Solid  | Fluorene                   | 9.700         |   | 0.93  | 5.1  | ug/Kg |
| P3663-02             | 910-J-SD-0.5-1-081624 | Solid  | Indeno(1,2,3-cd)pyrene     | 98.400        |   | 1.9   | 5.1  | ug/Kg |
| P3663-02             | 910-J-SD-0.5-1-081624 | Solid  | Naphthalene                | 1.600         | J | 1.1   | 5.1  | ug/Kg |
| P3663-02             | 910-J-SD-0.5-1-081624 | Solid  | Phenanthrene               | 140.000       |   | 0.97  | 5.1  | ug/Kg |
| P3663-02             | 910-J-SD-0.5-1-081624 | Solid  | Pyrene                     | 280.000       | E | 1.5   | 5.1  | ug/Kg |
| P3663-02             | 910-J-SD-0.5-1-081624 | Solid  | Total PAH                  | 2,101.000     |   | 22.42 | 81.6 | ug/Kg |
| Total Svoc :         |                       |        |                            | 4,266.40      |   |       |      |       |
| Total Concentration: |                       |        |                            | 4,266.40      |   |       |      |       |

Client ID : 914-J-SD-0.5-081624

|                      |                     |       |                            |        |   |     |      |       |
|----------------------|---------------------|-------|----------------------------|--------|---|-----|------|-------|
| P3663-03             | 914-J-SD-0.5-081624 | Solid | Acenaphthylene             | 2.100  | J | 1.3 | 7    | ug/Kg |
| P3663-03             | 914-J-SD-0.5-081624 | Solid | Anthracene                 | 2.000  | J | 1.7 | 7    | ug/Kg |
| P3663-03             | 914-J-SD-0.5-081624 | Solid | Benzo(a)anthracene         | 11.700 |   | 1.6 | 7    | ug/Kg |
| P3663-03             | 914-J-SD-0.5-081624 | Solid | Benzo(a)pyrene             | 14.100 |   | 3.5 | 7    | ug/Kg |
| P3663-03             | 914-J-SD-0.5-081624 | Solid | Benzo(b)fluoranthene       | 25.700 |   | 2.5 | 7    | ug/Kg |
| P3663-03             | 914-J-SD-0.5-081624 | Solid | Benzo(g,h,i)perylene       | 12.500 |   | 2.4 | 7    | ug/Kg |
| P3663-03             | 914-J-SD-0.5-081624 | Solid | Benzo(k)fluoranthene       | 9.500  |   | 2.1 | 7    | ug/Kg |
| P3663-03             | 914-J-SD-0.5-081624 | Solid | Bis(2-ethylhexyl)phthalate | 4.200  | J | 3.1 | 14.1 | ug/Kg |
| P3663-03             | 914-J-SD-0.5-081624 | Solid | Chrysene                   | 20.100 |   | 1.8 | 7    | ug/Kg |
| P3663-03             | 914-J-SD-0.5-081624 | Solid | Dibenzo(a,h)anthracene     | 3.400  | J | 2.5 | 7    | ug/Kg |
| P3663-03             | 914-J-SD-0.5-081624 | Solid | Fluoranthene               | 24.800 |   | 1.4 | 7    | ug/Kg |
| P3663-03             | 914-J-SD-0.5-081624 | Solid | Indeno(1,2,3-cd)pyrene     | 10.300 |   | 2.7 | 7    | ug/Kg |
| P3663-03             | 914-J-SD-0.5-081624 | Solid | Phenanthrene               | 8.800  |   | 1.3 | 7    | ug/Kg |
| P3663-03             | 914-J-SD-0.5-081624 | Solid | Pyrene                     | 18.900 |   | 2   | 7    | ug/Kg |
| Total Svoc :         |                     |       |                            | 168.10 |   |     |      |       |
| Total Concentration: |                     |       |                            | 168.10 |   |     |      |       |

Client ID : 914-J-SD-0.1-081624

|          |                     |       |                            |       |   |     |      |       |
|----------|---------------------|-------|----------------------------|-------|---|-----|------|-------|
| P3663-04 | 914-J-SD-0.1-081624 | Solid | Benzo(a)anthracene         | 2.700 | J | 1.4 | 6.3  | ug/Kg |
| P3663-04 | 914-J-SD-0.1-081624 | Solid | Benzo(b)fluoranthene       | 3.500 | J | 2.3 | 6.3  | ug/Kg |
| P3663-04 | 914-J-SD-0.1-081624 | Solid | Bis(2-ethylhexyl)phthalate | 4.100 | J | 2.8 | 12.6 | ug/Kg |

### Hit Summary Sheet SW-846

SDG No.: BN082224

Client:

| Sample ID            | Client ID           | Matrix | Parameter    | Concentration | C | MDL   | RDL | Units |
|----------------------|---------------------|--------|--------------|---------------|---|-------|-----|-------|
| P3663-04             | 914-J-SD-0-1-081624 | Solid  | Chrysene     | 3.400         | J | 1.6   | 6.3 | ug/Kg |
| P3663-04             | 914-J-SD-0-1-081624 | Solid  | Fluoranthene | 5.200         | J | 1.3   | 6.3 | ug/Kg |
| P3663-04             | 914-J-SD-0-1-081624 | Solid  | Fluorene     | 2.700         | J | 1.1   | 6.3 | ug/Kg |
| P3663-04             | 914-J-SD-0-1-081624 | Solid  | Phenanthrene | 2.700         | J | 1.2   | 6.3 | ug/Kg |
| P3663-04             | 914-J-SD-0-1-081624 | Solid  | Pyrene       | 3.900         | J | 1.8   | 6.3 | ug/Kg |
| Total Svoc :         |                     |        |              |               |   | 28.20 |     |       |
| Total Concentration: |                     |        |              |               |   | 28.20 |     |       |

Client ID : 916-J-SD-0-0.5-081624

|                      |                       |       |                            |           |   |          |      |       |
|----------------------|-----------------------|-------|----------------------------|-----------|---|----------|------|-------|
| P3663-07             | 916-J-SD-0-0.5-081624 | Solid | 2-Methylnaphthalene        | 1.700     | J | 1.3      | 5.4  | ug/Kg |
| P3663-07             | 916-J-SD-0-0.5-081624 | Solid | Acenaphthene               | 4.000     | J | 0.89     | 5.4  | ug/Kg |
| P3663-07             | 916-J-SD-0-0.5-081624 | Solid | Acenaphthylene             | 22.500    |   | 1        | 5.4  | ug/Kg |
| P3663-07             | 916-J-SD-0-0.5-081624 | Solid | Anthracene                 | 35.000    |   | 1.3      | 5.4  | ug/Kg |
| P3663-07             | 916-J-SD-0-0.5-081624 | Solid | Benzo(a)anthracene         | 190.000   |   | 1.2      | 5.4  | ug/Kg |
| P3663-07             | 916-J-SD-0-0.5-081624 | Solid | Benzo(a)pyrene             | 190.000   |   | 2.7      | 5.4  | ug/Kg |
| P3663-07             | 916-J-SD-0-0.5-081624 | Solid | Benzo(b)fluoranthene       | 230.000   |   | 1.9      | 5.4  | ug/Kg |
| P3663-07             | 916-J-SD-0-0.5-081624 | Solid | Benzo(g,h,i)perylene       | 130.000   |   | 1.9      | 5.4  | ug/Kg |
| P3663-07             | 916-J-SD-0-0.5-081624 | Solid | Benzo(k)fluoranthene       | 97.600    |   | 1.6      | 5.4  | ug/Kg |
| P3663-07             | 916-J-SD-0-0.5-081624 | Solid | Bis(2-ethylhexyl)phthalate | 10.100    | J | 2.4      | 10.7 | ug/Kg |
| P3663-07             | 916-J-SD-0-0.5-081624 | Solid | Chrysene                   | 190.000   |   | 1.4      | 5.4  | ug/Kg |
| P3663-07             | 916-J-SD-0-0.5-081624 | Solid | Dibenzo(a,h)anthracene     | 29.300    |   | 1.9      | 5.4  | ug/Kg |
| P3663-07             | 916-J-SD-0-0.5-081624 | Solid | Fluoranthene               | 450.000   | E | 1.1      | 5.4  | ug/Kg |
| P3663-07             | 916-J-SD-0-0.5-081624 | Solid | Fluorene                   | 7.300     |   | 0.97     | 5.4  | ug/Kg |
| P3663-07             | 916-J-SD-0-0.5-081624 | Solid | Indeno(1,2,3-cd)pyrene     | 110.000   |   | 2        | 5.4  | ug/Kg |
| P3663-07             | 916-J-SD-0-0.5-081624 | Solid | Naphthalene                | 2.100     | J | 1.1      | 5.4  | ug/Kg |
| P3663-07             | 916-J-SD-0-0.5-081624 | Solid | Phenanthrene               | 160.000   |   | 1        | 5.4  | ug/Kg |
| P3663-07             | 916-J-SD-0-0.5-081624 | Solid | Pyrene                     | 290.000   | E | 1.5      | 5.4  | ug/Kg |
| P3663-07             | 916-J-SD-0-0.5-081624 | Solid | Total PAH                  | 2,137.000 |   | 23.46    | 86.4 | ug/Kg |
| Total Svoc :         |                       |       |                            |           |   | 4,286.60 |      |       |
| Total Concentration: |                       |       |                            |           |   | 4,286.60 |      |       |

Client ID : 916-J-SD-0.5-1-081624

|          |                       |       |                            |       |   |     |      |       |
|----------|-----------------------|-------|----------------------------|-------|---|-----|------|-------|
| P3663-08 | 916-J-SD-0.5-1-081624 | Solid | Benzo(a)anthracene         | 3.700 | J | 1.6 | 7    | ug/Kg |
| P3663-08 | 916-J-SD-0.5-1-081624 | Solid | Benzo(a)pyrene             | 4.100 | J | 3.5 | 7    | ug/Kg |
| P3663-08 | 916-J-SD-0.5-1-081624 | Solid | Benzo(b)fluoranthene       | 5.600 | J | 2.5 | 7    | ug/Kg |
| P3663-08 | 916-J-SD-0.5-1-081624 | Solid | Benzo(g,h,i)perylene       | 2.900 | J | 2.4 | 7    | ug/Kg |
| P3663-08 | 916-J-SD-0.5-1-081624 | Solid | Benzo(k)fluoranthene       | 2.200 | J | 2.1 | 7    | ug/Kg |
| P3663-08 | 916-J-SD-0.5-1-081624 | Solid | Bis(2-ethylhexyl)phthalate | 8.600 | J | 3.1 | 13.9 | ug/Kg |
| P3663-08 | 916-J-SD-0.5-1-081624 | Solid | Chrysene                   | 4.700 | J | 1.8 | 7    | ug/Kg |
| P3663-08 | 916-J-SD-0.5-1-081624 | Solid | Fluoranthene               | 7.200 |   | 1.4 | 7    | ug/Kg |
| P3663-08 | 916-J-SD-0.5-1-081624 | Solid | Phenanthrene               | 3.700 | J | 1.3 | 7    | ug/Kg |

### Hit Summary Sheet SW-846

SDG No.: BN082224

Client:

| Sample ID                            | Client ID              | Matrix | Parameter                  | Concentration | C | MDL  | RDL   | Units |
|--------------------------------------|------------------------|--------|----------------------------|---------------|---|------|-------|-------|
| P3663-08                             | 916-J-SD-0.5-1-081624  | Solid  | Pyrene                     | 5.900         | J | 2    | 7     | ug/Kg |
| Total Svoc :                         |                        |        |                            | 48.60         |   |      |       |       |
| Total Concentration:                 |                        |        |                            | 48.60         |   |      |       |       |
| Client ID : 919-J-SD-0-1-081624      |                        |        |                            |               |   |      |       |       |
| P3663-12                             | 919-J-SD-0-1-081624    | Solid  | Acenaphthene               | 18.400        |   | 3    | 18.2  | ug/Kg |
| P3663-12                             | 919-J-SD-0-1-081624    | Solid  | Acenaphthylene             | 6.400         | J | 3.5  | 18.2  | ug/Kg |
| P3663-12                             | 919-J-SD-0-1-081624    | Solid  | Anthracene                 | 40.800        |   | 4.4  | 18.2  | ug/Kg |
| P3663-12                             | 919-J-SD-0-1-081624    | Solid  | Benzo(a)anthracene         | 500.000       |   | 4.2  | 18.2  | ug/Kg |
| P3663-12                             | 919-J-SD-0-1-081624    | Solid  | Benzo(a)pyrene             | 630.000       |   | 9.2  | 18.2  | ug/Kg |
| P3663-12                             | 919-J-SD-0-1-081624    | Solid  | Benzo(b)fluoranthene       | 930.000       | E | 6.6  | 18.2  | ug/Kg |
| P3663-12                             | 919-J-SD-0-1-081624    | Solid  | Benzo(g,h,i)perylene       | 490.000       |   | 6.3  | 18.2  | ug/Kg |
| P3663-12                             | 919-J-SD-0-1-081624    | Solid  | Benzo(k)fluoranthene       | 330.000       |   | 5.4  | 18.2  | ug/Kg |
| P3663-12                             | 919-J-SD-0-1-081624    | Solid  | Bis(2-ethylhexyl)phthalate | 22.100        | J | 8.1  | 36.4  | ug/Kg |
| P3663-12                             | 919-J-SD-0-1-081624    | Solid  | Chrysene                   | 710.000       |   | 4.7  | 18.2  | ug/Kg |
| P3663-12                             | 919-J-SD-0-1-081624    | Solid  | Dibenzo(a,h)anthracene     | 110.000       |   | 6.5  | 18.2  | ug/Kg |
| P3663-12                             | 919-J-SD-0-1-081624    | Solid  | Fluoranthene               | 1,500.000     | E | 3.7  | 18.2  | ug/Kg |
| P3663-12                             | 919-J-SD-0-1-081624    | Solid  | Fluorene                   | 24.500        |   | 3.3  | 18.2  | ug/Kg |
| P3663-12                             | 919-J-SD-0-1-081624    | Solid  | Indeno(1,2,3-cd)pyrene     | 410.000       |   | 6.9  | 18.2  | ug/Kg |
| P3663-12                             | 919-J-SD-0-1-081624    | Solid  | Phenanthrene               | 530.000       |   | 3.5  | 18.2  | ug/Kg |
| P3663-12                             | 919-J-SD-0-1-081624    | Solid  | Pyrene                     | 910.000       |   | 5.2  | 18.2  | ug/Kg |
| P3663-12                             | 919-J-SD-0-1-081624    | Solid  | Total PAH                  | 7,140.000     |   | 80.2 | 291.2 | ug/Kg |
| Total Svoc :                         |                        |        |                            | 14,302.20     |   |      |       |       |
| Total Concentration:                 |                        |        |                            | 14,302.20     |   |      |       |       |
| Client ID : S-911-K1-SO-0-0.5-081924 |                        |        |                            |               |   |      |       |       |
| P3671-03                             | S-911-K1-SO-0-0.5-0819 | Solid  | 2-Methylnaphthalene        | 2.700         | J | 1.7  | 7     | ug/Kg |
| P3671-03                             | S-911-K1-SO-0-0.5-0819 | Solid  | Acenaphthene               | 1.600         | J | 1.2  | 7     | ug/Kg |
| P3671-03                             | S-911-K1-SO-0-0.5-0819 | Solid  | Acenaphthylene             | 2.700         | J | 1.3  | 7     | ug/Kg |
| P3671-03                             | S-911-K1-SO-0-0.5-0819 | Solid  | Anthracene                 | 4.200         | J | 1.7  | 7     | ug/Kg |
| P3671-03                             | S-911-K1-SO-0-0.5-0819 | Solid  | Benzo(a)anthracene         | 21.600        |   | 1.6  | 7     | ug/Kg |
| P3671-03                             | S-911-K1-SO-0-0.5-0819 | Solid  | Benzo(a)pyrene             | 27.400        |   | 3.5  | 7     | ug/Kg |
| P3671-03                             | S-911-K1-SO-0-0.5-0819 | Solid  | Benzo(b)fluoranthene       | 36.100        |   | 2.5  | 7     | ug/Kg |
| P3671-03                             | S-911-K1-SO-0-0.5-0819 | Solid  | Benzo(g,h,i)perylene       | 19.800        |   | 2.4  | 7     | ug/Kg |
| P3671-03                             | S-911-K1-SO-0-0.5-0819 | Solid  | Benzo(k)fluoranthene       | 13.800        |   | 2.1  | 7     | ug/Kg |
| P3671-03                             | S-911-K1-SO-0-0.5-0819 | Solid  | Bis(2-ethylhexyl)phthalate | 5.200         | J | 3.1  | 14    | ug/Kg |
| P3671-03                             | S-911-K1-SO-0-0.5-0819 | Solid  | Chrysene                   | 29.100        |   | 1.8  | 7     | ug/Kg |
| P3671-03                             | S-911-K1-SO-0-0.5-0819 | Solid  | Dibenzo(a,h)anthracene     | 4.800         | J | 2.5  | 7     | ug/Kg |
| P3671-03                             | S-911-K1-SO-0-0.5-0819 | Solid  | Fluoranthene               | 53.100        |   | 1.4  | 7     | ug/Kg |
| P3671-03                             | S-911-K1-SO-0-0.5-0819 | Solid  | Fluorene                   | 4.300         | J | 1.3  | 7     | ug/Kg |
| P3671-03                             | S-911-K1-SO-0-0.5-0819 | Solid  | Indeno(1,2,3-cd)pyrene     | 16.700        |   | 2.7  | 7     | ug/Kg |

### Hit Summary Sheet SW-846

SDG No.: BN082224

Client:

| Sample ID                               | Client ID              | Matrix | Parameter                  | Concentration | C | MDL   | RDL  | Units |
|-----------------------------------------|------------------------|--------|----------------------------|---------------|---|-------|------|-------|
| P3671-03                                | S-911-K1-SO-0-0.5-0819 | Solid  | Naphthalene                | 2.300         | J | 1.5   | 7    | ug/Kg |
| P3671-03                                | S-911-K1-SO-0-0.5-0819 | Solid  | Phenanthrene               | 23.500        |   | 1.3   | 7    | ug/Kg |
| P3671-03                                | S-911-K1-SO-0-0.5-0819 | Solid  | Pyrene                     | 37.400        |   | 2     | 7    | ug/Kg |
| P3671-03                                | S-911-K1-SO-0-0.5-0819 | Solid  | Total PAH                  | 298.000       |   | 30.8  | 112  | ug/Kg |
| Total Svoc :                            |                        |        |                            | 604.30        |   |       |      |       |
| Total Concentration:                    |                        |        |                            | 604.30        |   |       |      |       |
| Client ID : S-905-KJ-SO-0-0.5-081924    |                        |        |                            |               |   |       |      |       |
| P3671-06                                | S-905-KJ-SO-0-0.5-0819 | Solid  | 2-Methylnaphthalene        | 1.600         | J | 1     | 4.2  | ug/Kg |
| P3671-06                                | S-905-KJ-SO-0-0.5-0819 | Solid  | Acenaphthene               | 18.000        |   | 0.7   | 4.2  | ug/Kg |
| P3671-06                                | S-905-KJ-SO-0-0.5-0819 | Solid  | Acenaphthylene             | 2.400         | J | 0.8   | 4.2  | ug/Kg |
| P3671-06                                | S-905-KJ-SO-0-0.5-0819 | Solid  | Anthracene                 | 45.800        |   | 1     | 4.2  | ug/Kg |
| P3671-06                                | S-905-KJ-SO-0-0.5-0819 | Solid  | Benzo(a)anthracene         | 190.000       |   | 0.97  | 4.2  | ug/Kg |
| P3671-06                                | S-905-KJ-SO-0-0.5-0819 | Solid  | Benzo(a)pyrene             | 210.000       |   | 2.1   | 4.2  | ug/Kg |
| P3671-06                                | S-905-KJ-SO-0-0.5-0819 | Solid  | Benzo(b)fluoranthene       | 250.000       | E | 1.5   | 4.2  | ug/Kg |
| P3671-06                                | S-905-KJ-SO-0-0.5-0819 | Solid  | Benzo(g,h,i)perylene       | 120.000       |   | 1.5   | 4.2  | ug/Kg |
| P3671-06                                | S-905-KJ-SO-0-0.5-0819 | Solid  | Benzo(k)fluoranthene       | 91.700        |   | 1.3   | 4.2  | ug/Kg |
| P3671-06                                | S-905-KJ-SO-0-0.5-0819 | Solid  | Bis(2-ethylhexyl)phthalate | 73.100        |   | 1.9   | 8.4  | ug/Kg |
| P3671-06                                | S-905-KJ-SO-0-0.5-0819 | Solid  | Chrysene                   | 190.000       |   | 1.1   | 4.2  | ug/Kg |
| P3671-06                                | S-905-KJ-SO-0-0.5-0819 | Solid  | Dibenzo(a,h)anthracene     | 31.500        |   | 1.5   | 4.2  | ug/Kg |
| P3671-06                                | S-905-KJ-SO-0-0.5-0819 | Solid  | Fluoranthene               | 380.000       | E | 0.85  | 4.2  | ug/Kg |
| P3671-06                                | S-905-KJ-SO-0-0.5-0819 | Solid  | Fluorene                   | 15.500        |   | 0.77  | 4.2  | ug/Kg |
| P3671-06                                | S-905-KJ-SO-0-0.5-0819 | Solid  | Indeno(1,2,3-cd)pyrene     | 110.000       |   | 1.6   | 4.2  | ug/Kg |
| P3671-06                                | S-905-KJ-SO-0-0.5-0819 | Solid  | Naphthalene                | 2.000         | J | 0.88  | 4.2  | ug/Kg |
| P3671-06                                | S-905-KJ-SO-0-0.5-0819 | Solid  | Phenanthrene               | 210.000       |   | 0.8   | 4.2  | ug/Kg |
| P3671-06                                | S-905-KJ-SO-0-0.5-0819 | Solid  | Pyrene                     | 270.000       | E | 1.2   | 4.2  | ug/Kg |
| P3671-06                                | S-905-KJ-SO-0-0.5-0819 | Solid  | Total PAH                  | 2,136.000     |   | 18.57 | 67.2 | ug/Kg |
| Total Svoc :                            |                        |        |                            | 4,347.60      |   |       |      |       |
| Total Concentration:                    |                        |        |                            | 4,347.60      |   |       |      |       |
| Client ID : S-905-KJ-SO-0-0.5-081924-FD |                        |        |                            |               |   |       |      |       |
| P3671-07                                | S-905-KJ-SO-0-0.5-0819 | Solid  | 2-Methylnaphthalene        | 1.500         | J | 1     | 4.3  | ug/Kg |
| P3671-07                                | S-905-KJ-SO-0-0.5-0819 | Solid  | Acenaphthene               | 24.900        |   | 0.72  | 4.3  | ug/Kg |
| P3671-07                                | S-905-KJ-SO-0-0.5-0819 | Solid  | Acenaphthylene             | 3.200         | J | 0.82  | 4.3  | ug/Kg |
| P3671-07                                | S-905-KJ-SO-0-0.5-0819 | Solid  | Anthracene                 | 130.000       |   | 1     | 4.3  | ug/Kg |
| P3671-07                                | S-905-KJ-SO-0-0.5-0819 | Solid  | Benzo(a)anthracene         | 710.000       | E | 0.99  | 4.3  | ug/Kg |
| P3671-07                                | S-905-KJ-SO-0-0.5-0819 | Solid  | Benzo(a)pyrene             | 650.000       | E | 2.2   | 4.3  | ug/Kg |
| P3671-07                                | S-905-KJ-SO-0-0.5-0819 | Solid  | Benzo(b)fluoranthene       | 750.000       | E | 1.6   | 4.3  | ug/Kg |
| P3671-07                                | S-905-KJ-SO-0-0.5-0819 | Solid  | Benzo(g,h,i)perylene       | 290.000       | E | 1.5   | 4.3  | ug/Kg |
| P3671-07                                | S-905-KJ-SO-0-0.5-0819 | Solid  | Benzo(k)fluoranthene       | 280.000       | E | 1.3   | 4.3  | ug/Kg |
| P3671-07                                | S-905-KJ-SO-0-0.5-0819 | Solid  | Bis(2-ethylhexyl)phthalate | 7.800         | J | 1.9   | 8.6  | ug/Kg |

### Hit Summary Sheet SW-846

SDG No.: BN082224

Client:

| Sample ID            | Client ID                | Matrix | Parameter                  | Concentration | C | MDL  | RDL  | Units |
|----------------------|--------------------------|--------|----------------------------|---------------|---|------|------|-------|
| P3671-07             | S-905-KJ-SO-0-0.5-0819   | Solid  | Chrysene                   | 630.000       | E | 1.1  | 4.3  | ug/Kg |
| P3671-07             | S-905-KJ-SO-0-0.5-0819   | Solid  | Dibenzo(a,h)anthracene     | 90.500        |   | 1.5  | 4.3  | ug/Kg |
| P3671-07             | S-905-KJ-SO-0-0.5-0819   | Solid  | Fluoranthene               | 1,300.000     | E | 0.87 | 4.3  | ug/Kg |
| P3671-07             | S-905-KJ-SO-0-0.5-0819   | Solid  | Fluorene                   | 22.400        |   | 0.78 | 4.3  | ug/Kg |
| P3671-07             | S-905-KJ-SO-0-0.5-0819   | Solid  | Indeno(1,2,3-cd)pyrene     | 280.000       | E | 1.6  | 4.3  | ug/Kg |
| P3671-07             | S-905-KJ-SO-0-0.5-0819   | Solid  | Naphthalene                | 2.100         | J | 0.9  | 4.3  | ug/Kg |
| P3671-07             | S-905-KJ-SO-0-0.5-0819   | Solid  | Phenanthrene               | 400.000       | E | 0.82 | 4.3  | ug/Kg |
| P3671-07             | S-905-KJ-SO-0-0.5-0819   | Solid  | Pyrene                     | 710.000       | E | 1.2  | 4.3  | ug/Kg |
| P3671-07             | S-905-KJ-SO-0-0.5-0819   | Solid  | Total PAH                  | 6,273.000     |   | 18.9 | 68.8 | ug/Kg |
| Total Svoc :         |                          |        |                            | 12,555.40     |   |      |      |       |
| Total Concentration: |                          |        |                            | 12,555.40     |   |      |      |       |
|                      |                          |        |                            |               |   |      |      |       |
| Client ID :          | S-928-K1-SO-0-0.5-081924 |        |                            |               |   |      |      |       |
| P3671-09             | S-928-K1-SO-0-0.5-0819   | Solid  | Acenaphthylene             | 2.000         | J | 1.3  | 6.9  | ug/Kg |
| P3671-09             | S-928-K1-SO-0-0.5-0819   | Solid  | Anthracene                 | 2.200         | J | 1.6  | 6.9  | ug/Kg |
| P3671-09             | S-928-K1-SO-0-0.5-0819   | Solid  | Benzo(a)anthracene         | 12.900        |   | 1.6  | 6.9  | ug/Kg |
| P3671-09             | S-928-K1-SO-0-0.5-0819   | Solid  | Benzo(a)pyrene             | 15.700        |   | 3.4  | 6.9  | ug/Kg |
| P3671-09             | S-928-K1-SO-0-0.5-0819   | Solid  | Benzo(b)fluoranthene       | 21.000        |   | 2.5  | 6.9  | ug/Kg |
| P3671-09             | S-928-K1-SO-0-0.5-0819   | Solid  | Benzo(g,h,i)perylene       | 11.300        |   | 2.4  | 6.9  | ug/Kg |
| P3671-09             | S-928-K1-SO-0-0.5-0819   | Solid  | Benzo(k)fluoranthene       | 8.000         |   | 2    | 6.9  | ug/Kg |
| P3671-09             | S-928-K1-SO-0-0.5-0819   | Solid  | Bis(2-ethylhexyl)phthalate | 4.600         | J | 3.1  | 13.7 | ug/Kg |
| P3671-09             | S-928-K1-SO-0-0.5-0819   | Solid  | Chrysene                   | 17.100        |   | 1.8  | 6.9  | ug/Kg |
| P3671-09             | S-928-K1-SO-0-0.5-0819   | Solid  | Dibenzo(a,h)anthracene     | 2.700         | J | 2.4  | 6.9  | ug/Kg |
| P3671-09             | S-928-K1-SO-0-0.5-0819   | Solid  | Fluoranthene               | 28.700        |   | 1.4  | 6.9  | ug/Kg |
| P3671-09             | S-928-K1-SO-0-0.5-0819   | Solid  | Indeno(1,2,3-cd)pyrene     | 9.400         |   | 2.6  | 6.9  | ug/Kg |
| P3671-09             | S-928-K1-SO-0-0.5-0819   | Solid  | Phenanthrene               | 13.000        |   | 1.3  | 6.9  | ug/Kg |
| P3671-09             | S-928-K1-SO-0-0.5-0819   | Solid  | Pyrene                     | 23.000        |   | 2    | 6.9  | ug/Kg |
| Total Svoc :         |                          |        |                            | 171.60        |   |      |      |       |
| Total Concentration: |                          |        |                            | 171.60        |   |      |      |       |
|                      |                          |        |                            |               |   |      |      |       |
| Client ID :          | S-928-K1-SO-0.5-1-081924 |        |                            |               |   |      |      |       |
| P3671-10             | S-928-K1-SO-0.5-1-0819   | Solid  | Acenaphthylene             | 3.100         | J | 1.1  | 5.8  | ug/Kg |
| P3671-10             | S-928-K1-SO-0.5-1-0819   | Solid  | Anthracene                 | 2.000         | J | 1.4  | 5.8  | ug/Kg |
| P3671-10             | S-928-K1-SO-0.5-1-0819   | Solid  | Benzo(a)anthracene         | 9.800         |   | 1.3  | 5.8  | ug/Kg |
| P3671-10             | S-928-K1-SO-0.5-1-0819   | Solid  | Benzo(a)pyrene             | 14.000        |   | 2.9  | 5.8  | ug/Kg |
| P3671-10             | S-928-K1-SO-0.5-1-0819   | Solid  | Benzo(b)fluoranthene       | 20.900        |   | 2.1  | 5.8  | ug/Kg |
| P3671-10             | S-928-K1-SO-0.5-1-0819   | Solid  | Benzo(g,h,i)perylene       | 11.800        |   | 2    | 5.8  | ug/Kg |
| P3671-10             | S-928-K1-SO-0.5-1-0819   | Solid  | Benzo(k)fluoranthene       | 8.000         |   | 1.7  | 5.8  | ug/Kg |
| P3671-10             | S-928-K1-SO-0.5-1-0819   | Solid  | Bis(2-ethylhexyl)phthalate | 4.500         | J | 2.6  | 11.5 | ug/Kg |
| P3671-10             | S-928-K1-SO-0.5-1-0819   | Solid  | Chrysene                   | 15.800        |   | 1.5  | 5.8  | ug/Kg |
| P3671-10             | S-928-K1-SO-0.5-1-0819   | Solid  | Dibenzo(a,h)anthracene     | 2.600         | J | 2    | 5.8  | ug/Kg |

### Hit Summary Sheet SW-846

SDG No.: BN082224

Client:

| Sample ID            | Client ID                 | Matrix | Parameter                  | Concentration | C | MDL   | RDL  | Units |
|----------------------|---------------------------|--------|----------------------------|---------------|---|-------|------|-------|
| P3671-10             | S-928-K1-SO-0.5-1-0819    | Solid  | Fluoranthene               | 26.800        |   | 1.2   | 5.8  | ug/Kg |
| P3671-10             | S-928-K1-SO-0.5-1-0819    | Solid  | Fluorene                   | 1.400         | J | 1     | 5.8  | ug/Kg |
| P3671-10             | S-928-K1-SO-0.5-1-0819    | Solid  | Indeno(1,2,3-cd)pyrene     | 9.600         |   | 2.2   | 5.8  | ug/Kg |
| P3671-10             | S-928-K1-SO-0.5-1-0819    | Solid  | Phenanthrene               | 12.500        |   | 1.1   | 5.8  | ug/Kg |
| P3671-10             | S-928-K1-SO-0.5-1-0819    | Solid  | Pyrene                     | 20.000        |   | 1.7   | 5.8  | ug/Kg |
| Total Svoc :         |                           |        |                            | 162.80        |   |       |      |       |
| Total Concentration: |                           |        |                            | 162.80        |   |       |      |       |
| Client ID :          | S-903-J-SO-0.5-1.0-081924 |        |                            |               |   |       |      |       |
| P3671-12             | S-903-J-SO-0.5-1.0-0819   | Solid  | 2-Methylnaphthalene        | 2.700         | J | 0.93  | 3.8  | ug/Kg |
| P3671-12             | S-903-J-SO-0.5-1.0-0819   | Solid  | Acenaphthene               | 25.800        |   | 0.64  | 3.8  | ug/Kg |
| P3671-12             | S-903-J-SO-0.5-1.0-0819   | Solid  | Acenaphthylene             | 6.300         |   | 0.73  | 3.8  | ug/Kg |
| P3671-12             | S-903-J-SO-0.5-1.0-0819   | Solid  | Anthracene                 | 85.300        |   | 0.92  | 3.8  | ug/Kg |
| P3671-12             | S-903-J-SO-0.5-1.0-0819   | Solid  | Benzo(a)anthracene         | 310.000       | E | 0.88  | 3.8  | ug/Kg |
| P3671-12             | S-903-J-SO-0.5-1.0-0819   | Solid  | Benzo(a)pyrene             | 340.000       | E | 1.9   | 3.8  | ug/Kg |
| P3671-12             | S-903-J-SO-0.5-1.0-0819   | Solid  | Benzo(b)fluoranthene       | 420.000       | E | 1.4   | 3.8  | ug/Kg |
| P3671-12             | S-903-J-SO-0.5-1.0-0819   | Solid  | Benzo(g,h,i)perylene       | 210.000       | E | 1.3   | 3.8  | ug/Kg |
| P3671-12             | S-903-J-SO-0.5-1.0-0819   | Solid  | Benzo(k)fluoranthene       | 140.000       |   | 1.1   | 3.8  | ug/Kg |
| P3671-12             | S-903-J-SO-0.5-1.0-0819   | Solid  | Bis(2-ethylhexyl)phthalate | 53.800        |   | 1.7   | 7.7  | ug/Kg |
| P3671-12             | S-903-J-SO-0.5-1.0-0819   | Solid  | Chrysene                   | 330.000       | E | 1     | 3.8  | ug/Kg |
| P3671-12             | S-903-J-SO-0.5-1.0-0819   | Solid  | Dibenzo(a,h)anthracene     | 51.700        |   | 1.4   | 3.8  | ug/Kg |
| P3671-12             | S-903-J-SO-0.5-1.0-0819   | Solid  | Fluoranthene               | 860.000       | E | 0.78  | 3.8  | ug/Kg |
| P3671-12             | S-903-J-SO-0.5-1.0-0819   | Solid  | Fluorene                   | 26.600        |   | 0.7   | 3.8  | ug/Kg |
| P3671-12             | S-903-J-SO-0.5-1.0-0819   | Solid  | Indeno(1,2,3-cd)pyrene     | 180.000       |   | 1.5   | 3.8  | ug/Kg |
| P3671-12             | S-903-J-SO-0.5-1.0-0819   | Solid  | Naphthalene                | 3.600         | J | 0.8   | 3.8  | ug/Kg |
| P3671-12             | S-903-J-SO-0.5-1.0-0819   | Solid  | Phenanthrene               | 440.000       | E | 0.73  | 3.8  | ug/Kg |
| P3671-12             | S-903-J-SO-0.5-1.0-0819   | Solid  | Pyrene                     | 480.000       | E | 1.1   | 3.8  | ug/Kg |
| P3671-12             | S-903-J-SO-0.5-1.0-0819   | Solid  | Total PAH                  | 3,909.000     |   | 16.88 | 60.8 | ug/Kg |
| Total Svoc :         |                           |        |                            | 7,874.80      |   |       |      |       |
| Total Concentration: |                           |        |                            | 7,874.80      |   |       |      |       |
| Client ID :          | S-912-J-SO-0.5-081924     |        |                            |               |   |       |      |       |
| P3671-13             | S-912-J-SO-0.5-081924     | Solid  | 2-Methylnaphthalene        | 12.700        |   | 2.6   | 10.8 | ug/Kg |
| P3671-13             | S-912-J-SO-0.5-081924     | Solid  | Acenaphthene               | 5.900         | J | 1.8   | 10.8 | ug/Kg |
| P3671-13             | S-912-J-SO-0.5-081924     | Solid  | Acenaphthylene             | 11.300        |   | 2.1   | 10.8 | ug/Kg |
| P3671-13             | S-912-J-SO-0.5-081924     | Solid  | Anthracene                 | 19.000        |   | 2.6   | 10.8 | ug/Kg |
| P3671-13             | S-912-J-SO-0.5-081924     | Solid  | Benzo(a)anthracene         | 83.800        |   | 2.5   | 10.8 | ug/Kg |
| P3671-13             | S-912-J-SO-0.5-081924     | Solid  | Benzo(a)pyrene             | 96.100        |   | 5.4   | 10.8 | ug/Kg |
| P3671-13             | S-912-J-SO-0.5-081924     | Solid  | Benzo(b)fluoranthene       | 130.000       |   | 3.9   | 10.8 | ug/Kg |
| P3671-13             | S-912-J-SO-0.5-081924     | Solid  | Benzo(g,h,i)perylene       | 62.700        |   | 3.7   | 10.8 | ug/Kg |
| P3671-13             | S-912-J-SO-0.5-081924     | Solid  | Benzo(k)fluoranthene       | 44.000        |   | 3.2   | 10.8 | ug/Kg |

### Hit Summary Sheet SW-846

SDG No.: BN082224

Client:

| Sample ID                           | Client ID               | Matrix | Parameter                  | Concentration | C | MDL  | RDL   | Units |
|-------------------------------------|-------------------------|--------|----------------------------|---------------|---|------|-------|-------|
| P3671-13                            | S-912-J-SO-0-0.5-081924 | Solid  | Bis(2-ethylhexyl)phthalate | 16.600        | J | 4.8  | 21.5  | ug/Kg |
| P3671-13                            | S-912-J-SO-0-0.5-081924 | Solid  | Chrysene                   | 100.000       |   | 2.8  | 10.8  | ug/Kg |
| P3671-13                            | S-912-J-SO-0-0.5-081924 | Solid  | Dibenzo(a,h)anthracene     | 16.000        |   | 3.8  | 10.8  | ug/Kg |
| P3671-13                            | S-912-J-SO-0-0.5-081924 | Solid  | Fluoranthene               | 220.000       |   | 2.2  | 10.8  | ug/Kg |
| P3671-13                            | S-912-J-SO-0-0.5-081924 | Solid  | Fluorene                   | 6.800         | J | 2    | 10.8  | ug/Kg |
| P3671-13                            | S-912-J-SO-0-0.5-081924 | Solid  | Indeno(1,2,3-cd)pyrene     | 53.900        |   | 4.1  | 10.8  | ug/Kg |
| P3671-13                            | S-912-J-SO-0-0.5-081924 | Solid  | Naphthalene                | 13.200        |   | 2.2  | 10.8  | ug/Kg |
| P3671-13                            | S-912-J-SO-0-0.5-081924 | Solid  | Phenanthrene               | 100.000       |   | 2.1  | 10.8  | ug/Kg |
| P3671-13                            | S-912-J-SO-0-0.5-081924 | Solid  | Pyrene                     | 140.000       |   | 3.1  | 10.8  | ug/Kg |
| P3671-13                            | S-912-J-SO-0-0.5-081924 | Solid  | Total PAH                  | 1,102.000     |   | 47.5 | 172.8 | ug/Kg |
| Total Svoc :                        |                         |        |                            | 2,234.00      |   |      |       |       |
| Total Concentration:                |                         |        |                            | 2,234.00      |   |      |       |       |
| Client ID : S-912-J-SO-0.5-1-081924 |                         |        |                            |               |   |      |       |       |
| P3671-14                            | S-912-J-SO-0.5-1-081924 | Solid  | Benzo(a)anthracene         | 2.200         | J | 1.5  | 6.4   | ug/Kg |
| P3671-14                            | S-912-J-SO-0.5-1-081924 | Solid  | Benzo(b)fluoranthene       | 3.400         | J | 2.3  | 6.4   | ug/Kg |
| P3671-14                            | S-912-J-SO-0.5-1-081924 | Solid  | Bis(2-ethylhexyl)phthalate | 3.700         | J | 2.9  | 12.8  | ug/Kg |
| P3671-14                            | S-912-J-SO-0.5-1-081924 | Solid  | Chrysene                   | 2.700         | J | 1.7  | 6.4   | ug/Kg |
| P3671-14                            | S-912-J-SO-0.5-1-081924 | Solid  | Fluoranthene               | 4.400         | J | 1.3  | 6.4   | ug/Kg |
| P3671-14                            | S-912-J-SO-0.5-1-081924 | Solid  | Phenanthrene               | 2.300         | J | 1.2  | 6.4   | ug/Kg |
| P3671-14                            | S-912-J-SO-0.5-1-081924 | Solid  | Pyrene                     | 3.400         | J | 1.8  | 6.4   | ug/Kg |
| Total Svoc :                        |                         |        |                            | 22.10         |   |      |       |       |
| Total Concentration:                |                         |        |                            | 22.10         |   |      |       |       |

## SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

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

Lab Code: CHEM Case No.: BN081924 SAS No.: BN081924 SDG No.: BN081924

Instrument ID: \_\_\_\_\_ Calibration Date(s): 8/19/2024 : \_\_\_\_\_

Calibration Time(s): 16:16 \_\_\_\_\_

| LAB FILE ID:               |        | RRF0.1 = BN033479.D |        | RRF0.2 = BN033480.D |        | RRF0.4 = BN033481.D |       |       |
|----------------------------|--------|---------------------|--------|---------------------|--------|---------------------|-------|-------|
|                            |        | RRF0.8 = BN033482.D |        | RRF1.6 = BN033483.D |        | RRF3.2 = BN033484.D |       |       |
| COMPOUND                   | RRF0.1 | RRF0.2              | RRF0.4 | RRF0.8              | RRF1.6 | RRF3.2              | RRF   | % RSD |
| 2-Methylnaphthalene-d10    | 0.577  | 0.566               | 0.492  | 0.616               | 0.603  | 0.566               | 0.572 | 7.0   |
| Fluoranthene-d10           | 0.947  | 0.919               | 0.870  | 1.011               | 1.015  | 0.968               | 0.961 | 5.6   |
| n-Nitrosodimethylamine     | 0.545  | 0.550               | 0.456  | 0.615               | 0.575  | 0.521               | 0.535 | 10.0  |
| 2-Fluorophenol             | 1.276  | 1.281               | 1.267  | 1.350               | 1.327  | 1.196               | 1.271 | 4.5   |
| Phenol-d6                  | 1.555  | 1.576               | 1.360  | 1.677               | 1.598  | 1.464               | 1.512 | 8.1   |
| bis(2-Chloroethyl)ether    | 1.170  | 1.144               | 0.753  | 1.227               | 1.166  | 1.067               | 1.072 | 15.1  |
| Nitrobenzene-d5            | 0.341  | 0.324               | 0.303  | 0.352               | 0.345  | 0.322               | 0.332 | 5.0   |
| Naphthalene                | 1.082  | 1.068               | 0.947  | 1.155               | 1.127  | 1.042               | 1.069 | 6.2   |
| Hexachlorobutadiene        | 0.217  | 0.213               | 0.192  | 0.230               | 0.225  | 0.207               | 0.213 | 5.9   |
| 2-Methylnaphthalene        | 0.665  | 0.667               | 0.586  | 0.732               | 0.716  | 0.678               | 0.677 | 7.0   |
| 2-Fluorobiphenyl           | 1.627  | 1.601               | 1.487  | 1.761               | 1.731  | 1.609               | 1.634 | 5.5   |
| Acenaphthylene             | 1.626  | 1.609               | 1.535  | 1.870               | 1.893  | 1.837               | 1.754 | 9.0   |
| Acenaphthene               | 1.185  | 1.177               | 1.104  | 1.325               | 1.322  | 1.249               | 1.234 | 6.7   |
| Fluorene                   | 1.558  | 1.483               | 1.381  | 1.667               | 1.647  | 1.567               | 1.555 | 6.3   |
| 4,6-Dinitro-2-methylphenol | 0.051  | 0.051               | 0.051  | 0.064               | 0.069  | 0.072               | 0.062 | 18.8  |
| 2,4,6-Tribromophenol       | 0.212  | 0.202               | 0.185  | 0.220               | 0.226  | 0.223               | 0.215 | 8.0   |
| 4-Bromophenyl-phenylether  | 0.241  | 0.231               | 0.222  | 0.255               | 0.255  | 0.246               | 0.243 | 5.2   |
| Hexachlorobenzene          | 0.271  | 0.260               | 0.249  | 0.281               | 0.280  | 0.266               | 0.268 | 4.2   |
| Atrazine                   | 0.188  | 0.184               | 0.173  | 0.201               | 0.203  | 0.198               | 0.194 | 6.5   |
| Pentachlorophenol          | 0.114  | 0.098               | 0.097  | 0.118               | 0.122  | 0.128               | 0.116 | 12.8  |
| Phenanthrene               | 1.093  | 1.067               | 1.033  | 1.177               | 1.168  | 1.113               | 1.113 | 4.7   |
| Anthracene                 | 0.931  | 0.912               | 0.876  | 1.035               | 1.046  | 1.035               | 0.985 | 7.7   |
| Fluoranthene               | 1.178  | 1.153               | 1.106  | 1.303               | 1.313  | 1.266               | 1.230 | 6.7   |
| Pyrene                     | 1.756  | 1.763               | 1.704  | 1.901               | 1.855  | 1.751               | 1.785 | 3.8   |
| Terphenyl-d14              | 0.907  | 0.896               | 0.862  | 0.966               | 0.943  | 0.890               | 0.909 | 3.8   |
| Benzo (a) anthracene       | 1.485  | 1.369               | 1.317  | 1.525               | 1.529  | 1.426               | 1.446 | 5.5   |
| Chrysene                   | 1.435  | 1.392               | 1.331  | 1.557               | 1.514  | 1.403               | 1.437 | 5.3   |
| Bis(2-ethylhexyl)phthalate | 1.206  | 0.914               | 0.814  | 0.870               | 0.869  | 0.845               | 0.915 | 14.4  |
| Benzo (b) fluoranthene     | 1.524  | 1.432               | 1.336  | 1.578               | 1.573  | 1.480               | 1.494 | 5.8   |
| Benzo (k) fluoranthene     | 1.439  | 1.393               | 1.324  | 1.556               | 1.576  | 1.492               | 1.470 | 6.1   |
| Benzo (a) pyrene           | 1.228  | 1.162               | 1.096  | 1.309               | 1.317  | 1.251               | 1.236 | 6.6   |
| Indeno (1,2,3-cd) pyrene   | 1.616  | 1.580               | 1.535  | 1.779               | 1.759  | 1.661               | 1.661 | 5.4   |
| Dibenzo (a,h) anthracene   | 1.283  | 1.264               | 1.231  | 1.426               | 1.410  | 1.329               | 1.328 | 5.6   |
| Benzo (g,h,i) perylene     | 1.399  | 1.372               | 1.296  | 1.518               | 1.506  | 1.413               | 1.420 | 5.4   |
| 1,4-Dioxane                | 0.523  | 0.513               | 0.329  | 0.524               | 0.488  | 0.452               | 0.460 | 16.2  |

All other compounds must meet a minimum RRF of 0.010.

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BN082224 SAS No.: BN082224 SDG NO.: BN082224

EPA Sample No.: SSTDICCC0.4 Date Analyzed: Aug 22 2024 12:00AM

Lab File ID: BN033481.D Time Analyzed: 10:28

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

|                               | IS1 (DCB)<br>AREA # | RT #  | IS2 (NPT)<br>AREA # | RT #   | IS3 (ANT)<br>AREA # | RT #   |
|-------------------------------|---------------------|-------|---------------------|--------|---------------------|--------|
| 12 HOUR STD                   | 12893               | 7.559 | 24390               | 10.31  | 12011               | 14.19  |
| UPPER LIMIT                   | 25786               | 8.059 | 48780               | 10.814 | 24022               | 14.689 |
| LOWER LIMIT                   | 6446.5              | 7.059 | 12195               | 9.814  | 6005.5              | 13.689 |
| EPA SAMPLE NO.                |                     |       |                     |        |                     |        |
| 01 PB162844BL                 | 7475                | 7.55  | 18993               | 10.30  | 8922                | 14.18  |
| 02 TT189D2-HYD-20240813RE     | 8800                | 7.55  | 22287               | 10.30  | 10476               | 14.18  |
| 03 BPOW6-7-HYD-20240814RE     | 8536                | 7.55  | 21759               | 10.30  | 10198               | 14.18  |
| 04 924-K1-SD-0.5-1.0-081524   | 9109                | 7.55  | 23609               | 10.30  | 11609               | 14.18  |
| 05 914-J-SD-0-1-081624        | 6905                | 7.55  | 17849               | 10.30  | 8829                | 14.18  |
| 06 914-J-SD-0-0.5-081624      | 7681                | 7.55  | 19872               | 10.30  | 9323                | 14.18  |
| 07 914-J-SD-0-1-081624MS      | 7249                | 7.55  | 18735               | 10.30  | 9271                | 14.18  |
| 08 914-J-SD-0-1-081624MSD     | 7178                | 7.55  | 18909               | 10.30  | 9532                | 14.18  |
| 09 S-906-J-0.5-1-081624       | 7406                | 7.55  | 19324               | 10.30  | 9575                | 14.18  |
| 10 916-J-SD-0.5-1-081624      | 7277                | 7.55  | 18704               | 10.30  | 8929                | 14.18  |
| 11 921-J-SD-0-0.5-081524-FDDL | 8448                | 7.55  | 22107               | 10.30  | 10289               | 14.18  |
| 12 918-J-SD-0-0.5-081524DL    | 8021                | 7.55  | 20435               | 10.30  | 9323                | 14.18  |
| 13 916-J-SD-0-0.5-081624      | 8229                | 7.55  | 20757               | 10.30  | 9578                | 14.18  |
| 14 919-J-SD-0-1-081624        | 7795                | 7.55  | 19738               | 10.30  | 9172                | 14.18  |
| 15 S-901-J-0.5-1-081624       | 7749                | 7.55  | 19594               | 10.30  | 9500                | 14.18  |
| 16 PB162844BS                 | 7890                | 7.55  | 19993               | 10.30  | 8878                | 14.18  |
| 17 PB162880BL                 | 6432 *              | 7.55  | 16127               | 10.30  | 7236                | 14.18  |
| 18 PB162880BS                 | 7155                | 7.55  | 18004               | 10.30  | 7779                | 14.18  |
| 19 S-912-J-SO-0.5-1-081924    | 7004                | 7.55  | 17932               | 10.30  | 8339                | 14.18  |
| 20 S-911-K1-SO-0-0.5-081924   | 7027                | 7.55  | 17952               | 10.30  | 8336                | 14.18  |
| 21 S-905-KJ-SO-0-0.5-081924   | 7735                | 7.55  | 20459               | 10.30  | 9843                | 14.18  |
| 22 S-928-K1-SO-0-0.5-081924   | 8106                | 7.55  | 21263               | 10.30  | 10490               | 14.18  |
| 23 S-928-K1-SO-0.5-1-081924   | 7220                | 7.55  | 18938               | 10.30  | 9199                | 14.18  |

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BN082224 SAS No.: BN082224 SDG NO.: BN082224

EPA Sample No.: SSTDICCC0.4 Date Analyzed: Aug 23 2024 12:00AM

Lab File ID: BN033481.D Time Analyzed: 02:53

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

|                                | IS1 (DCB)<br>AREA # | RT #  | IS2 (NPT)<br>AREA # | RT #   | IS3 (ANT)<br>AREA # | RT #   |
|--------------------------------|---------------------|-------|---------------------|--------|---------------------|--------|
| 12 HOUR STD                    | 12893               | 7.559 | 24390               | 10.31  | 12011               | 14.19  |
| UPPER LIMIT                    | 25786               | 8.059 | 48780               | 10.814 | 24022               | 14.689 |
| LOWER LIMIT                    | 6446.5              | 7.059 | 12195               | 9.814  | 6005.5              | 13.689 |
| EPA SAMPLE NO.                 |                     |       |                     |        |                     |        |
| 24 S-928-K1-SO-0.5-1-081924MS  | 7489                | 7.55  | 19600               | 10.30  | 9306                | 14.18  |
| 25 S-928-K1-SO-0.5-1-081924MSD | 7606                | 7.55  | 20104               | 10.30  | 9559                | 14.18  |
| 26 S-912-J-SO-0-0.5-081924     | 7667                | 7.55  | 19731               | 10.30  | 9704                | 14.18  |
| 27 S-905-KJ-SO-0-0.5-081924-FD | 8063                | 7.55  | 20827               | 10.30  | 10022               | 14.18  |
| 28 S-903-J-SO-0.5-1.0-081924   | 8161                | 7.55  | 20804               | 10.30  | 10684               | 14.18  |
| 29 S-906-J-0-0.5-081624        | 8038                | 7.55  | 20821               | 10.30  | 10027               | 14.18  |
| 30 S-906-J-0-0.5-081624MS      | 7943                | 7.55  | 20409               | 10.30  | 9877                | 14.18  |
| 31 S-906-J-0-0.5-081624MSD     | 7068                | 7.55  | 18030               | 10.30  | 8743                | 14.18  |
| 32 910-J-SD-0.5-1-081624       | 8470                | 7.55  | 22042               | 10.30  | 10897               | 14.18  |

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.: BN082224 SAS No.: BN082224 SDG NO.: BN082224

EPA Sample No.: SSTDCCC0.4 Date Analyzed: Aug 22 2024 12:00AM

Lab File ID: BN033544.D Time Analyzed: 10:28

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

|                               | IS1 (DCB)<br>AREA # | RT #  | IS2 (NPT)<br>AREA # | RT #   | IS3 (ANT)<br>AREA # | RT #   |
|-------------------------------|---------------------|-------|---------------------|--------|---------------------|--------|
| 12 HOUR STD                   | 9237                | 7.545 | 24638               | 10.30  | 13033               | 14.18  |
| UPPER LIMIT                   | 18474               | 8.045 | 49276               | 10.804 | 26066               | 14.678 |
| LOWER LIMIT                   | 4618.5              | 7.045 | 12319               | 9.804  | 6516.5              | 13.678 |
| EPA SAMPLE NO.                |                     |       |                     |        |                     |        |
| 01 PB162844BL                 | 7475                | 7.55  | 18993               | 10.30  | 8922                | 14.18  |
| 02 TT189D2-HYD-20240813RE     | 8800                | 7.55  | 22287               | 10.30  | 10476               | 14.18  |
| 03 BPOW6-7-HYD-20240814RE     | 8536                | 7.55  | 21759               | 10.30  | 10198               | 14.18  |
| 04 924-K1-SD-0.5-1.0-081524   | 9109                | 7.55  | 23609               | 10.30  | 11609               | 14.18  |
| 05 914-J-SD-0-1-081624        | 6905                | 7.55  | 17849               | 10.30  | 8829                | 14.18  |
| 06 914-J-SD-0-0.5-081624      | 7681                | 7.55  | 19872               | 10.30  | 9323                | 14.18  |
| 07 914-J-SD-0-1-081624MS      | 7249                | 7.55  | 18735               | 10.30  | 9271                | 14.18  |
| 08 914-J-SD-0-1-081624MSD     | 7178                | 7.55  | 18909               | 10.30  | 9532                | 14.18  |
| 09 S-906-J-0.5-1-081624       | 7406                | 7.55  | 19324               | 10.30  | 9575                | 14.18  |
| 10 916-J-SD-0.5-1-081624      | 7277                | 7.55  | 18704               | 10.30  | 8929                | 14.18  |
| 11 921-J-SD-0-0.5-081524-FDDL | 8448                | 7.55  | 22107               | 10.30  | 10289               | 14.18  |
| 12 918-J-SD-0-0.5-081524DL    | 8021                | 7.55  | 20435               | 10.30  | 9323                | 14.18  |
| 13 916-J-SD-0-0.5-081624      | 8229                | 7.55  | 20757               | 10.30  | 9578                | 14.18  |
| 14 919-J-SD-0-1-081624        | 7795                | 7.55  | 19738               | 10.30  | 9172                | 14.18  |
| 15 S-901-J-0.5-1-081624       | 7749                | 7.55  | 19594               | 10.30  | 9500                | 14.18  |
| 16 PB162844BS                 | 7890                | 7.55  | 19993               | 10.30  | 8878                | 14.18  |

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BN082224 SAS No.: BN082224 SDG NO.: BN082224

EPA Sample No.: SSTDCCC0.4 Date Analyzed: Aug 22 2024 12:00AM

Lab File ID: BN033544.D Time Analyzed: 19:32

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

|                | IS1 (DCB)<br>AREA # | RT #  | IS2 (NPT)<br>AREA # | RT #   | IS3 (ANT)<br>AREA # | RT #   |
|----------------|---------------------|-------|---------------------|--------|---------------------|--------|
| 12 HOUR STD    | 9237                | 7.545 | 24638               | 10.30  | 13033               | 14.18  |
| UPPER LIMIT    | 18474               | 8.045 | 49276               | 10.804 | 26066               | 14.678 |
| LOWER LIMIT    | 4618.5              | 7.045 | 12319               | 9.804  | 6516.5              | 13.678 |
| EPA SAMPLE NO. |                     |       |                     |        |                     |        |

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

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

\* Values outside of QC limits.

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BN082224 SAS No.: BN082224 SDG NO.: BN082224

EPA Sample No.: SSTDCCC0.4 Date Analyzed: Aug 22 2024 12:00AM

Lab File ID: BN033563.D Time Analyzed: 22:39

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

|    |                             | IS1 (DCB)<br>AREA # | RT #  | IS2 (NPT)<br>AREA # | RT #   | IS3 (ANT)<br>AREA # | RT #   |
|----|-----------------------------|---------------------|-------|---------------------|--------|---------------------|--------|
|    | 12 HOUR STD                 | 8400                | 7.545 | 22013               | 10.30  | 10449               | 14.18  |
|    | UPPER LIMIT                 | 16800               | 8.045 | 44026               | 10.804 | 20898               | 14.678 |
|    | LOWER LIMIT                 | 4200                | 7.045 | 11006.5             | 9.804  | 5224.5              | 13.678 |
|    | EPA SAMPLE NO.              |                     |       |                     |        |                     |        |
| 01 | PB162880BL                  | 6432                | 7.55  | 16127               | 10.30  | 7236                | 14.18  |
| 02 | PB162880BS                  | 7155                | 7.55  | 18004               | 10.30  | 7779                | 14.18  |
| 03 | S-912-J-SO-0.5-1-081924     | 7004                | 7.55  | 17932               | 10.30  | 8339                | 14.18  |
| 04 | S-911-K1-SO-0-0.5-081924    | 7027                | 7.55  | 17952               | 10.30  | 8336                | 14.18  |
| 05 | S-905-KJ-SO-0-0.5-081924    | 7735                | 7.55  | 20459               | 10.30  | 9843                | 14.18  |
| 06 | S-928-K1-SO-0-0.5-081924    | 8106                | 7.55  | 21263               | 10.30  | 10490               | 14.18  |
| 07 | S-928-K1-SO-0.5-1-081924    | 7220                | 7.55  | 18938               | 10.30  | 9199                | 14.18  |
| 08 | S-928-K1-SO-0.5-1-081924MS  | 7489                | 7.55  | 19600               | 10.30  | 9306                | 14.18  |
| 09 | S-928-K1-SO-0.5-1-081924MSD | 7606                | 7.55  | 20104               | 10.30  | 9559                | 14.18  |
| 10 | S-912-J-SO-0-0.5-081924     | 7667                | 7.55  | 19731               | 10.30  | 9704                | 14.18  |
| 11 | S-905-KJ-SO-0-0.5-081924-FD | 8063                | 7.55  | 20827               | 10.30  | 10022               | 14.18  |
| 12 | S-903-J-SO-0.5-1.0-081924   | 8161                | 7.55  | 20804               | 10.30  | 10684               | 14.18  |
| 13 | S-906-J-0-0.5-081624        | 8038                | 7.55  | 20821               | 10.30  | 10027               | 14.18  |
| 14 | S-906-J-0-0.5-081624MS      | 7943                | 7.55  | 20409               | 10.30  | 9877                | 14.18  |
| 15 | S-906-J-0-0.5-081624MSD     | 7068                | 7.55  | 18030               | 10.30  | 8743                | 14.18  |
| 16 | 910-J-SD-0.5-1-081624       | 8470                | 7.55  | 22042               | 10.30  | 10897               | 14.18  |

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BN082224 SAS No.: BN082224 SDG NO.: BN082224

EPA Sample No.: SSTDCCC0.4 Date Analyzed: Aug 23 2024 12:00AM

Lab File ID: BN033563.D Time Analyzed: 07:42

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

|                | IS1 (DCB)<br>AREA # | RT #  | IS2 (NPT)<br>AREA # | RT #   | IS3 (ANT)<br>AREA # | RT #   |
|----------------|---------------------|-------|---------------------|--------|---------------------|--------|
| 12 HOUR STD    | 8400                | 7.545 | 22013               | 10.30  | 10449               | 14.18  |
| UPPER LIMIT    | 16800               | 8.045 | 44026               | 10.804 | 20898               | 14.678 |
| LOWER LIMIT    | 4200                | 7.045 | 11006.5             | 9.804  | 5224.5              | 13.678 |
| EPA SAMPLE NO. |                     |       |                     |        |                     |        |

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

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

\* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BN082224 SAS No.: BN082224 SDG NO.: BN082224

EPA Sample No.: SSTDICCC0.4 Date Analyzed: Aug 22 2024 12:00AM

Lab File ID: BN033481.D Time Analyzed: 10:28

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

|    |                            | IS4 (PHN)<br>AREA # | RT #   | IS5 (CRY)<br>AREA # | RT #   | IS6 (PRY)<br>AREA # | RT #  |
|----|----------------------------|---------------------|--------|---------------------|--------|---------------------|-------|
|    | 12 HOUR STD                | 24497               | 16.942 | 16119               | 21.148 | 15903               | 23.32 |
|    | UPPER LIMIT                | 48994               | 17.442 | 32238               | 21.648 | 31806               | 23.82 |
|    | LOWER LIMIT                | 12248.5             | 16.442 | 8059.5              | 20.648 | 7951.5              | 22.82 |
|    | EPA SAMPLE NO.             |                     |        |                     |        |                     |       |
| 01 | PB162844BL                 | 17406               | 16.93  | 11087               | 21.14  | 11524               | 23.31 |
| 02 | TT189D2-HYD-20240813RE     | 21227               | 16.93  | 16322               | 21.14  | 15551               | 23.31 |
| 03 | BPOW6-7-HYD-20240814RE     | 20015               | 16.93  | 14208               | 21.14  | 10594               | 23.31 |
| 04 | 924-K1-SD-0.5-1.0-081524   | 23645               | 16.93  | 15274               | 21.14  | 15445               | 23.31 |
| 05 | 914-J-SD-0-1-081624        | 19258               | 16.93  | 16834               | 21.14  | 18945               | 23.31 |
| 06 | 914-J-SD-0-0.5-081624      | 17884               | 16.93  | 13716               | 21.14  | 14372               | 23.31 |
| 07 | 914-J-SD-0-1-081624MS      | 19633               | 16.93  | 17227               | 21.14  | 19817               | 23.31 |
| 08 | 914-J-SD-0-1-081624MSD     | 19730               | 16.93  | 17425               | 21.14  | 19758               | 23.31 |
| 09 | S-906-J-0.5-1-081624       | 20037               | 16.93  | 18331               | 21.14  | 19415               | 23.31 |
| 10 | 916-J-SD-0.5-1-081624      | 17949               | 16.93  | 14804               | 21.14  | 16545               | 23.31 |
| 11 | 921-J-SD-0-0.5-081524-FDDL | 19427               | 16.93  | 15770               | 21.14  | 16544               | 23.31 |
| 12 | 918-J-SD-0-0.5-081524DL    | 17605               | 16.93  | 15216               | 21.14  | 16830               | 23.31 |
| 13 | 916-J-SD-0-0.5-081624      | 18941               | 16.93  | 17576               | 21.14  | 19504               | 23.31 |
| 14 | 919-J-SD-0-1-081624        | 18185               | 16.93  | 16263               | 21.14  | 17555               | 23.31 |
| 15 | S-901-J-0.5-1-081624       | 19308               | 16.93  | 17490               | 21.14  | 18970               | 23.31 |
| 16 | PB162844BS                 | 16514               | 16.93  | 13670               | 21.14  | 15332               | 23.31 |
| 17 | PB162880BL                 | 13552               | 16.93  | 11004               | 21.14  | 11993               | 23.31 |
| 18 | PB162880BS                 | 14031               | 16.93  | 11303               | 21.14  | 12304               | 23.31 |
| 19 | S-912-J-SO-0.5-1-081924    | 15941               | 16.93  | 12739               | 21.14  | 14091               | 23.30 |
| 20 | S-911-K1-SO-0-0.5-081924   | 17399               | 16.93  | 14980               | 21.14  | 17231               | 23.30 |
| 21 | S-905-KJ-SO-0-0.5-081924   | 18367               | 16.93  | 15413               | 21.14  | 16704               | 23.30 |

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BN082224 SAS No.: BN082224 SDG NO.: BN082224

EPA Sample No.: SSTDICCC0.4 Date Analyzed: Aug 23 2024 12:00AM

Lab File ID: BN033481.D Time Analyzed: 01:41

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

|                                | IS4 (PHN)<br>AREA # | RT #   | IS5 (CRY)<br>AREA # | RT #   | IS6 (PRY)<br>AREA # | RT #  |
|--------------------------------|---------------------|--------|---------------------|--------|---------------------|-------|
| 12 HOUR STD                    | 24497               | 16.942 | 16119               | 21.148 | 15903               | 23.32 |
| UPPER LIMIT                    | 48994               | 17.442 | 32238               | 21.648 | 31806               | 23.82 |
| LOWER LIMIT                    | 12248.5             | 16.442 | 8059.5              | 20.648 | 7951.5              | 22.82 |
| EPA SAMPLE NO.                 |                     |        |                     |        |                     |       |
| 22 S-928-K1-SO-0-0.5-081924    | 20512               | 16.93  | 15408               | 21.14  | 17341               | 23.30 |
| 23 S-928-K1-SO-0.5-1-081924    | 18224               | 16.93  | 14086               | 21.14  | 15519               | 23.30 |
| 24 S-928-K1-SO-0.5-1-081924MS  | 18439               | 16.93  | 15566               | 21.13  | 17073               | 23.30 |
| 25 S-928-K1-SO-0.5-1-081924MSI | 18339               | 16.93  | 15128               | 21.14  | 16860               | 23.30 |
| 26 S-912-J-SO-0-0.5-081924     | 20199               | 16.93  | 18846               | 21.14  | 20277               | 23.30 |
| 27 S-905-KJ-SO-0-0.5-081924-FI | 20045               | 16.93  | 22012               | 21.14  | 22949               | 23.30 |
| 28 S-903-J-SO-0.5-1.0-081924   | 19994               | 16.93  | 20246               | 21.14  | 21193               | 23.30 |
| 29 S-906-J-0-0.5-081624        | 19198               | 16.93  | 17574               | 21.13  | 18720               | 23.30 |
| 30 S-906-J-0-0.5-081624MS      | 20268               | 16.93  | 18737               | 21.14  | 20324               | 23.30 |
| 31 S-906-J-0-0.5-081624MSD     | 17410               | 16.93  | 16497               | 21.14  | 17708               | 23.30 |
| 32 910-J-SD-0.5-1-081624       | 22785               | 16.93  | 21407               | 21.14  | 23944               | 23.30 |

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.: BN082224 SAS No.: BN082224 SDG NO.: BN082224

EPA Sample No.: SSTDCCC0.4 Date Analyzed: Aug 22 2024 12:00AM

Lab File ID: BN033544.D Time Analyzed: 10:28

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

|    |                            | IS4 (PHN)<br>AREA # | RT #   | IS5 (CRY)<br>AREA # | RT #   | IS6 (PRY)<br>AREA # | RT #   |
|----|----------------------------|---------------------|--------|---------------------|--------|---------------------|--------|
|    | 12 HOUR STD                | 28085               | 16.929 | 19178               | 21.139 | 17184               | 23.309 |
|    | UPPER LIMIT                | 56170               | 17.429 | 38356               | 21.639 | 34368               | 23.809 |
|    | LOWER LIMIT                | 14042.5             | 16.429 | 9589                | 20.639 | 8592                | 22.809 |
|    | EPA SAMPLE NO.             |                     |        |                     |        |                     |        |
| 01 | PB162844BL                 | 17406               | 16.93  | 11087               | 21.14  | 11524               | 23.31  |
| 02 | TT189D2-HYD-20240813RE     | 21227               | 16.93  | 16322               | 21.14  | 15551               | 23.31  |
| 03 | BPOW6-7-HYD-20240814RE     | 20015               | 16.93  | 14208               | 21.14  | 10594               | 23.31  |
| 04 | 924-K1-SD-0.5-1.0-081524   | 23645               | 16.93  | 15274               | 21.14  | 15445               | 23.31  |
| 05 | 914-J-SD-0-1-081624        | 19258               | 16.93  | 16834               | 21.14  | 18945               | 23.31  |
| 06 | 914-J-SD-0-0.5-081624      | 17884               | 16.93  | 13716               | 21.14  | 14372               | 23.31  |
| 07 | 914-J-SD-0-1-081624MS      | 19633               | 16.93  | 17227               | 21.14  | 19817               | 23.31  |
| 08 | 914-J-SD-0-1-081624MSD     | 19730               | 16.93  | 17425               | 21.14  | 19758               | 23.31  |
| 09 | S-906-J-0.5-1-081624       | 20037               | 16.93  | 18331               | 21.14  | 19415               | 23.31  |
| 10 | 916-J-SD-0.5-1-081624      | 17949               | 16.93  | 14804               | 21.14  | 16545               | 23.31  |
| 11 | 921-J-SD-0-0.5-081524-FDDL | 19427               | 16.93  | 15770               | 21.14  | 16544               | 23.31  |
| 12 | 918-J-SD-0-0.5-081524DL    | 17605               | 16.93  | 15216               | 21.14  | 16830               | 23.31  |
| 13 | 916-J-SD-0-0.5-081624      | 18941               | 16.93  | 17576               | 21.14  | 19504               | 23.31  |
| 14 | 919-J-SD-0-1-081624        | 18185               | 16.93  | 16263               | 21.14  | 17555               | 23.31  |
| 15 | S-901-J-0.5-1-081624       | 19308               | 16.93  | 17490               | 21.14  | 18970               | 23.31  |
| 16 | PB162844BS                 | 16514               | 16.93  | 13670               | 21.14  | 15332               | 23.31  |

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BN082224 SAS No.: BN082224 SDG NO.: BN082224

EPA Sample No.: SSTDCCC0.4 Date Analyzed: Aug 22 2024 12:00AM

Lab File ID: BN033544.D Time Analyzed: 19:32

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

|                | IS4 (PHN)<br>AREA # | RT #   | IS5 (CRY)<br>AREA # | RT #   | IS6 (PRY)<br>AREA # | RT #   |
|----------------|---------------------|--------|---------------------|--------|---------------------|--------|
| 12 HOUR STD    | 28085               | 16.929 | 19178               | 21.139 | 17184               | 23.309 |
| UPPER LIMIT    | 56170               | 17.429 | 38356               | 21.639 | 34368               | 23.809 |
| LOWER LIMIT    | 14042.5             | 16.429 | 9589                | 20.639 | 8592                | 22.809 |
| EPA SAMPLE NO. |                     |        |                     |        |                     |        |

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

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

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

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BN082224 SAS No.: BN082224 SDG NO.: BN082224

EPA Sample No.: SSTDCCC0.4 Date Analyzed: Aug 22 2024 12:00AM

Lab File ID: BN033563.D Time Analyzed: 22:39

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

|    |                             | IS4 (PHN)<br>AREA # | RT #   | IS5 (CRY)<br>AREA # | RT #   | IS6 (PRY)<br>AREA # | RT #   |
|----|-----------------------------|---------------------|--------|---------------------|--------|---------------------|--------|
|    | 12 HOUR STD                 | 19500               | 16.929 | 13945               | 21.139 | 14856               | 23.303 |
|    | UPPER LIMIT                 | 39000               | 17.429 | 27890               | 21.639 | 29712               | 23.803 |
|    | LOWER LIMIT                 | 9750                | 16.429 | 6972.5              | 20.639 | 7428                | 22.803 |
|    | EPA SAMPLE NO.              |                     |        |                     |        |                     |        |
| 01 | PB162880BL                  | 13552               | 16.93  | 11004               | 21.14  | 11993               | 23.31  |
| 02 | PB162880BS                  | 14031               | 16.93  | 11303               | 21.14  | 12304               | 23.31  |
| 03 | S-912-J-SO-0.5-1-081924     | 15941               | 16.93  | 12739               | 21.14  | 14091               | 23.30  |
| 04 | S-911-K1-SO-0-0.5-081924    | 17399               | 16.93  | 14980               | 21.14  | 17231               | 23.30  |
| 05 | S-905-KJ-SO-0-0.5-081924    | 18367               | 16.93  | 15413               | 21.14  | 16704               | 23.30  |
| 06 | S-928-K1-SO-0-0.5-081924    | 20512               | 16.93  | 15408               | 21.14  | 17341               | 23.30  |
| 07 | S-928-K1-SO-0.5-1-081924    | 18224               | 16.93  | 14086               | 21.14  | 15519               | 23.30  |
| 08 | S-928-K1-SO-0.5-1-081924MS  | 18439               | 16.93  | 15566               | 21.13  | 17073               | 23.30  |
| 09 | S-928-K1-SO-0.5-1-081924MSI | 18339               | 16.93  | 15128               | 21.14  | 16860               | 23.30  |
| 10 | S-912-J-SO-0-0.5-081924     | 20199               | 16.93  | 18846               | 21.14  | 20277               | 23.30  |
| 11 | S-905-KJ-SO-0-0.5-081924-FI | 20045               | 16.93  | 22012               | 21.14  | 22949               | 23.30  |
| 12 | S-903-J-SO-0.5-1.0-081924   | 19994               | 16.93  | 20246               | 21.14  | 21193               | 23.30  |
| 13 | S-906-J-0-0.5-081624        | 19198               | 16.93  | 17574               | 21.13  | 18720               | 23.30  |
| 14 | S-906-J-0-0.5-081624MS      | 20268               | 16.93  | 18737               | 21.14  | 20324               | 23.30  |
| 15 | S-906-J-0-0.5-081624MSD     | 17410               | 16.93  | 16497               | 21.14  | 17708               | 23.30  |
| 16 | 910-J-SD-0.5-1-081624       | 22785               | 16.93  | 21407               | 21.14  | 23944               | 23.30  |

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BN082224 SAS No.: BN082224 SDG NO.: BN082224

EPA Sample No.: SSTDCCC0.4 Date Analyzed: Aug 23 2024 12:00AM

Lab File ID: BN033563.D Time Analyzed: 07:42

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

|                | IS4 (PHN)<br>AREA # | RT #   | IS5 (CRY)<br>AREA # | RT #   | IS6 (PRY)<br>AREA # | RT #   |
|----------------|---------------------|--------|---------------------|--------|---------------------|--------|
| 12 HOUR STD    | 19500               | 16.929 | 13945               | 21.139 | 14856               | 23.303 |
| UPPER LIMIT    | 39000               | 17.429 | 27890               | 21.639 | 29712               | 23.803 |
| LOWER LIMIT    | 9750                | 16.429 | 6972.5              | 20.639 | 7428                | 22.803 |
| EPA SAMPLE NO. |                     |        |                     |        |                     |        |

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

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

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

## Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: BN082224

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

Analytical Method: **8270-Modified**

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

| Lab Sample ID | Parameter                  | Spike | Result | Unit  | Rec | RPD | Qual | RPD  |     | Limits |     |
|---------------|----------------------------|-------|--------|-------|-----|-----|------|------|-----|--------|-----|
|               |                            |       |        |       |     |     |      | Qual | Low | High   | RPD |
| PB162844BS    | n-Nitrosodimethylamine     | 13.3  | 11.2   | ug/Kg | 84  |     |      |      | 27  | 120    |     |
|               | bis(2-Chloroethyl)ether    | 13.3  | 13.6   | ug/Kg | 102 |     |      |      | 48  | 114    |     |
|               | Naphthalene                | 13.3  | 12.8   | ug/Kg | 96  |     |      |      | 63  | 120    |     |
|               | Hexachlorobutadiene        | 13.3  | 12.6   | ug/Kg | 95  |     |      |      | 47  | 116    |     |
|               | 2-Methylnaphthalene        | 13.3  | 12.5   | ug/Kg | 94  |     |      |      | 54  | 111    |     |
|               | Acenaphthylene             | 13.3  | 13.3   | ug/Kg | 100 |     |      |      | 61  | 110    |     |
|               | Acenaphthene               | 13.3  | 12.6   | ug/Kg | 95  |     |      |      | 65  | 112    |     |
|               | Total PAH                  | 212.8 | 219.1  | ug/Kg | 103 |     |      |      | 65  | 112    |     |
|               | Fluorene                   | 13.3  | 11.9   | ug/Kg | 89  |     |      |      | 61  | 115    |     |
|               | 4,6-Dinitro-2-methylphenol | 13.3  | 7.2    | ug/Kg | 54  |     |      |      | 20  | 150    |     |
|               | 4-Bromophenyl-phenylether  | 13.3  | 12.6   | ug/Kg | 95  |     |      |      | 20  | 150    |     |
|               | Hexachlorobenzene          | 13.3  | 12.8   | ug/Kg | 96  |     |      |      | 52  | 117    |     |
|               | Atrazine                   | 13.3  | 12.7   | ug/Kg | 95  |     |      |      | 20  | 150    |     |
|               | Pentachlorophenol          | 26.6  | 25.6   | ug/Kg | 96  |     |      |      | 47  | 116    |     |
|               | Phenanthrene               | 13.3  | 13.4   | ug/Kg | 101 |     |      |      | 61  | 120    |     |
|               | Anthracene                 | 13.3  | 13.6   | ug/Kg | 102 |     |      |      | 60  | 115    |     |
|               | Fluoranthene               | 13.3  | 13.2   | ug/Kg | 99  |     |      |      | 56  | 124    |     |
|               | Pyrene                     | 13.3  | 11.5   | ug/Kg | 86  |     |      |      | 58  | 125    |     |
|               | Benzo(a)anthracene         | 13.3  | 14.7   | ug/Kg | 111 |     |      |      | 45  | 129    |     |
|               | Chrysene                   | 13.3  | 14.9   | ug/Kg | 112 |     |      |      | 62  | 123    |     |
|               | bis(2-Ethylhexyl)phthalate | 13.3  | 12.6   | ug/Kg | 95  |     |      |      | 60  | 119    |     |
|               | Benzo(b)fluoranthene       | 13.3  | 13.7   | ug/Kg | 103 |     |      |      | 47  | 123    |     |
|               | Benzo(k)fluoranthene       | 13.3  | 14.2   | ug/Kg | 107 |     |      |      | 69  | 123    |     |
|               | Benzo(a)pyrene             | 13.3  | 15.7   | ug/Kg | 118 |     |      |      | 53  | 123    |     |
|               | Indeno(1,2,3-cd)pyrene     | 13.3  | 15.1   | ug/Kg | 114 |     |      |      | 62  | 131    |     |
|               | Dibenz(a,h)anthracene      | 13.3  | 14.8   | ug/Kg | 111 |     |      |      | 57  | 120    |     |
|               | Benzo(g,h,i)perylene       | 13.3  | 13.7   | ug/Kg | 103 |     |      |      | 66  | 121    |     |
|               | 1,4-Dioxane                | 13.3  | 10.3   | ug/Kg | 77  |     |      |      | 70  | 130    |     |

## Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: BN082224

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

Analytical Method: **8270-Modified**

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

| Lab Sample ID | Parameter                  | Spike | Result | Unit  | Rec | RPD | Qual | RPD  |     | Limits |     |
|---------------|----------------------------|-------|--------|-------|-----|-----|------|------|-----|--------|-----|
|               |                            |       |        |       |     |     |      | Qual | Low | High   | RPD |
| PB162880BS    | n-Nitrosodimethylamine     | 13.3  | 11.8   | ug/Kg | 89  |     |      |      | 27  | 120    |     |
|               | bis(2-Chloroethyl)ether    | 13.3  | 12.6   | ug/Kg | 95  |     |      |      | 48  | 114    |     |
|               | Naphthalene                | 13.3  | 12     | ug/Kg | 90  |     |      |      | 63  | 120    |     |
|               | Hexachlorobutadiene        | 13.3  | 12.1   | ug/Kg | 91  |     |      |      | 47  | 116    |     |
|               | 2-Methylnaphthalene        | 13.3  | 11.5   | ug/Kg | 86  |     |      |      | 54  | 111    |     |
|               | Acenaphthylene             | 13.3  | 12.2   | ug/Kg | 92  |     |      |      | 61  | 110    |     |
|               | Acenaphthene               | 13.3  | 11.8   | ug/Kg | 89  |     |      |      | 65  | 112    |     |
|               | Total PAH                  | 212.8 | 194.1  | ug/Kg | 91  |     |      |      | 65  | 112    |     |
|               | Fluorene                   | 13.3  | 11     | ug/Kg | 83  |     |      |      | 61  | 115    |     |
|               | 4,6-Dinitro-2-methylphenol | 13.3  | 6.7    | ug/Kg | 50  |     |      |      | 20  | 150    |     |
|               | 4-Bromophenyl-phenylether  | 13.3  | 11.8   | ug/Kg | 89  |     |      |      | 20  | 150    |     |
|               | Hexachlorobenzene          | 13.3  | 12     | ug/Kg | 90  |     |      |      | 52  | 117    |     |
|               | Atrazine                   | 13.3  | 11.4   | ug/Kg | 86  |     |      |      | 20  | 150    |     |
|               | Pentachlorophenol          | 26.7  | 19.7   | ug/Kg | 74  |     |      |      | 47  | 116    |     |
|               | Phenanthrene               | 13.3  | 12.5   | ug/Kg | 94  |     |      |      | 61  | 120    |     |
|               | Anthracene                 | 13.3  | 12.4   | ug/Kg | 93  |     |      |      | 60  | 115    |     |
|               | Fluoranthene               | 13.3  | 11.9   | ug/Kg | 89  |     |      |      | 56  | 124    |     |
|               | Pyrene                     | 13.3  | 10.7   | ug/Kg | 80  |     |      |      | 58  | 125    |     |
|               | Benzo(a)anthracene         | 13.3  | 12.1   | ug/Kg | 91  |     |      |      | 45  | 129    |     |
|               | Chrysene                   | 13.3  | 12.7   | ug/Kg | 95  |     |      |      | 62  | 123    |     |
|               | bis(2-Ethylhexyl)phthalate | 13.3  | 9.6    | ug/Kg | 72  |     |      |      | 60  | 119    |     |
|               | Benzo(b)fluoranthene       | 13.3  | 11.8   | ug/Kg | 89  |     |      |      | 47  | 123    |     |
|               | Benzo(k)fluoranthene       | 13.3  | 12     | ug/Kg | 90  |     |      |      | 69  | 123    |     |
|               | Benzo(a)pyrene             | 13.3  | 13.1   | ug/Kg | 98  |     |      |      | 53  | 123    |     |
|               | Indeno(1,2,3-cd)pyrene     | 13.3  | 13     | ug/Kg | 98  |     |      |      | 62  | 131    |     |
|               | Dibenz(a,h)anthracene      | 13.3  | 12.8   | ug/Kg | 96  |     |      |      | 57  | 120    |     |
|               | Benzo(g,h,i)perylene       | 13.3  | 12.1   | ug/Kg | 91  |     |      |      | 66  | 121    |     |
|               | 1,4-Dioxane                | 13.3  | 9.9    | ug/Kg | 74  |     |      |      | 70  | 130    |     |

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB162844BL

Lab Name: CHEMTECH

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

Lab Code: CHEM Case No.: BN082224

SAS No.: BN082224 SDG NO.: BN082224

Lab File ID: BN033545.D

Lab Sample ID: PB162844BL

Instrument ID: BNA\_N

Date Extracted: 08/19/2024

Matrix: (soil/water) Solid

Date Analyzed: 08/22/2024

Level: (low/med) LOW

Time Analyzed: 10:28

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 |
|-------------------------|------------------|----------------|------------------|
| S-906-J-0-0.5-081624    | P3660-05         | BN033576.D     | 08/23/2024       |
| S-906-J-0-0.5-081624MS  | P3660-06MS       | BN033577.D     | 08/23/2024       |
| S-906-J-0-0.5-081624MSD | P3660-07MSD      | BN033578.D     | 08/23/2024       |
| 910-J-SD-0.5-1-081624   | P3663-02         | BN033579.D     | 08/23/2024       |
| 914-J-SD-0-1-081624     | P3663-04         | BN033549.D     | 08/22/2024       |
| 914-J-SD-0-0.5-081624   | P3663-03         | BN033550.D     | 08/22/2024       |
| 914-J-SD-0-1-081624MS   | P3663-05MS       | BN033551.D     | 08/22/2024       |
| 914-J-SD-0-1-081624MSD  | P3663-06MSD      | BN033552.D     | 08/22/2024       |
| S-906-J-0.5-1-081624    | P3660-08         | BN033553.D     | 08/22/2024       |
| 916-J-SD-0.5-1-081624   | P3663-08         | BN033554.D     | 08/22/2024       |
| 916-J-SD-0-0.5-081624   | P3663-07         | BN033557.D     | 08/22/2024       |
| 919-J-SD-0-1-081624     | P3663-12         | BN033558.D     | 08/22/2024       |
| S-901-J-0.5-1-081624    | P3660-02         | BN033559.D     | 08/22/2024       |
| PB162844BS              | PB162844BS       | BN033560.D     | 08/22/2024       |

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

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

924-K1-SD-0.5-1.0-0

Lab Name: CHEMTECH

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

Lab Code: CHEM Case No.: BN082224

SAS No.: BN082224 SDG NO.: BN082224

Lab File ID: BN033548.D

Lab Sample ID: P3643-10

Instrument ID: BNA\_N

Date Extracted: 08/20/2024

Matrix: (soil/water) Solid

Date Analyzed: 08/22/2024

Level: (low/med) LOW

Time Analyzed: 12:17

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 |
|--------------------------|------------------|----------------|------------------|
| 924-K1-SD-0.5-1.0-081524 | P3643-10         | BN033548.D     | 08/22/2024       |

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

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB162880BL

Lab Name: CHEMTECH

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

Lab Code: CHEM Case No.: BN082224

SAS No.: BN082224 SDG NO.: BN082224

Lab File ID: BN033564.D

Lab Sample ID: PB162880BL

Instrument ID: BNA\_N

Date Extracted: 08/21/2024

Matrix: (soil/water) Solid

Date Analyzed: 08/22/2024

Level: (low/med) LOW

Time Analyzed: 22:39

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 |
|-----------------------------|------------------|----------------|------------------|
| PB162880BS                  | PB162880BS       | BN033565.D     | 08/22/2024       |
| S-912-J-SO-0.5-1-081924     | P3671-14         | BN033566.D     | 08/22/2024       |
| S-911-K1-SO-0-0.5-081924    | P3671-03         | BN033567.D     | 08/23/2024       |
| S-905-KJ-SO-0-0.5-081924    | P3671-06         | BN033568.D     | 08/23/2024       |
| S-928-K1-SO-0-0.5-081924    | P3671-09         | BN033569.D     | 08/23/2024       |
| S-928-K1-SO-0.5-1-081924    | P3671-10         | BN033570.D     | 08/23/2024       |
| S-928-K1-SO-0.5-1-081924MS  | P3671-10MS       | BN033571.D     | 08/23/2024       |
| S-928-K1-SO-0.5-1-081924MSD | P3671-10MSD      | BN033572.D     | 08/23/2024       |
| S-912-J-SO-0-0.5-081924     | P3671-13         | BN033573.D     | 08/23/2024       |
| S-905-KJ-SO-0-0.5-081924-FD | P3671-07         | BN033574.D     | 08/23/2024       |
| S-903-J-SO-0.5-1.0-081924   | P3671-12         | BN033575.D     | 08/23/2024       |

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

**Matrix Spike/Matrix Spike Duplicate Summary**

**SW-846**

**SDG No.:** BN082224

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

**Analytical Method:** **8270-Modified**

| Parameter                        | Spike | Sample Result                                  | Result | Units                       | Rec | Rec Qual | RPD | RPD Qual | Low | Limits High | RPD |
|----------------------------------|-------|------------------------------------------------|--------|-----------------------------|-----|----------|-----|----------|-----|-------------|-----|
| <b>Lab Sample ID: P3663-05MS</b> |       | <b>Client Sample ID: 914-J-SD-0-1-081624MS</b> |        | <b>DataFile: BN033551.D</b> |     |          |     |          |     |             |     |
| n-Nitrosodimethylamine           | 25.4  |                                                | 24.6   | ug/Kg                       | 97  |          |     |          | 19  | 144         |     |
| bis(2-Chloroethyl)ether          | 25.4  |                                                | 24.2   | ug/Kg                       | 95  |          |     |          | 43  | 134         |     |
| Naphthalene                      | 25.4  |                                                | 23.6   | ug/Kg                       | 93  |          |     |          | 37  | 129         |     |
| Hexachlorobutadiene              | 25.4  |                                                | 22.3   | ug/Kg                       | 88  |          |     |          | 37  | 132         |     |
| 2-Methylnaphthalene              | 25.4  |                                                | 23.7   | ug/Kg                       | 93  |          |     |          | 37  | 139         |     |
| Acenaphthylene                   | 25.4  |                                                | 25     | ug/Kg                       | 98  |          |     |          | 21  | 147         |     |
| Acenaphthene                     | 25.4  |                                                | 23.9   | ug/Kg                       | 94  |          |     |          | 19  | 141         |     |
| Total PAH                        | 406.4 | 0                                              | 410.2  | ug/Kg                       | 101 |          |     |          | 19  | 141         |     |
| Fluorene                         | 25.4  | 2.7                                            | 25.5   | ug/Kg                       | 90  |          |     |          | 10  | 167         |     |
| 4,6-Dinitro-2-methylphenol       | 25.4  |                                                | 22.6   | ug/Kg                       | 89  |          |     |          | 20  | 150         |     |
| 4-Bromophenyl-phenylether        | 25.4  |                                                | 22.1   | ug/Kg                       | 87  |          |     |          | 20  | 150         |     |
| Hexachlorobenzene                | 25.4  |                                                | 21.5   | ug/Kg                       | 85  |          |     |          | 43  | 132         |     |
| Atrazine                         | 25.4  |                                                | 23.3   | ug/Kg                       | 92  |          |     |          | 20  | 150         |     |
| Pentachlorophenol                | 50.8  |                                                | 46.3   | ug/Kg                       | 91  |          |     |          | 10  | 146         |     |
| Phenanthrene                     | 25.4  | 2.7                                            | 26.5   | ug/Kg                       | 94  |          |     |          | 27  | 146         |     |
| Anthracene                       | 25.4  |                                                | 25.6   | ug/Kg                       | 101 |          |     |          | 12  | 166         |     |
| Fluoranthene                     | 25.4  | 5.2                                            | 29.5   | ug/Kg                       | 96  |          |     |          | 20  | 150         |     |
| Pyrene                           | 25.4  | 3.9                                            | 24     | ug/Kg                       | 79  |          |     |          | 10  | 163         |     |
| Benzo(a)anthracene               | 25.4  | 2.7                                            | 26.6   | ug/Kg                       | 94  |          |     |          | 10  | 175         |     |
| Chrysene                         | 25.4  | 3.4                                            | 27.3   | ug/Kg                       | 94  |          |     |          | 32  | 143         |     |
| bis(2-Ethylhexyl)phthalate       | 25.4  | 4.1                                            | 26.5   | ug/Kg                       | 88  |          |     |          | 39  | 159         |     |
| Benzo(b)fluoranthene             | 25.4  | 3.5                                            | 25.3   | ug/Kg                       | 86  |          |     |          | 10  | 188         |     |
| Benzo(k)fluoranthene             | 25.4  | 0                                              | 24.4   | ug/Kg                       | 96  |          |     |          | 42  | 122         |     |
| Benzo(a)pyrene                   | 25.4  | 0                                              | 28     | ug/Kg                       | 110 |          |     |          | 10  | 175         |     |
| Indeno(1,2,3-cd)pyrene           | 25.4  | 0                                              | 26.2   | ug/Kg                       | 103 |          |     |          | 10  | 175         |     |
| Dibenz(a,h)anthracene            | 25.4  |                                                | 24.6   | ug/Kg                       | 97  |          |     |          | 10  | 170         |     |
| Benzo(g,h,i)perylene             | 25.4  | 0                                              | 24.2   | ug/Kg                       | 95  |          |     |          | 10  | 168         |     |
| 1,4-Dioxane                      | 25.4  |                                                | 23.8   | ug/Kg                       | 94  |          |     |          | 70  | 130         |     |

**Matrix Spike/Matrix Spike Duplicate Summary**

**SW-846**

**SDG No.:** BN082224

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

**Analytical Method:** 8270-Modified

| Parameter                         | Spike | Sample Result                                   | Result | Units                       | Rec | Rec Qual | RPD | RPD Qual | Low | Limits High | RPD |
|-----------------------------------|-------|-------------------------------------------------|--------|-----------------------------|-----|----------|-----|----------|-----|-------------|-----|
| <b>Lab Sample ID: P3663-06MSD</b> |       | <b>Client Sample ID: 914-J-SD-0-1-081624MSD</b> |        | <b>DataFile: BN033552.D</b> |     |          |     |          |     |             |     |
| n-Nitrosodimethylamine            | 25.4  |                                                 | 27.2   | ug/Kg                       | 107 |          | 10  |          | 19  | 144         | 20  |
| bis(2-Chloroethyl)ether           | 25.4  |                                                 | 26.4   | ug/Kg                       | 104 |          | 9   |          | 43  | 134         | 20  |
| Naphthalene                       | 25.4  |                                                 | 25.4   | ug/Kg                       | 100 |          | 7   |          | 37  | 129         | 20  |
| Hexachlorobutadiene               | 25.4  |                                                 | 23.8   | ug/Kg                       | 94  |          | 7   |          | 37  | 132         | 20  |
| 2-Methylnaphthalene               | 25.4  |                                                 | 25.6   | ug/Kg                       | 101 |          | 8   |          | 37  | 139         | 20  |
| Acenaphthylene                    | 25.4  |                                                 | 26.7   | ug/Kg                       | 105 |          | 7   |          | 21  | 147         | 20  |
| Acenaphthene                      | 25.4  |                                                 | 24.8   | ug/Kg                       | 98  |          | 4   |          | 19  | 141         | 20  |
| Total PAH                         | 406.4 | 0                                               | 439.3  | ug/Kg                       | 108 |          | 7   |          | 19  | 141         | 20  |
| Fluorene                          | 25.4  | 2.7                                             | 27.3   | ug/Kg                       | 97  |          | 7   |          | 10  | 167         | 20  |
| 4,6-Dinitro-2-methylphenol        | 25.4  |                                                 | 24     | ug/Kg                       | 94  |          | 5   |          | 20  | 150         | 20  |
| 4-Bromophenyl-phenylether         | 25.4  |                                                 | 23.6   | ug/Kg                       | 93  |          | 7   |          | 20  | 150         | 20  |
| Hexachlorobenzene                 | 25.4  |                                                 | 23.6   | ug/Kg                       | 93  |          | 9   |          | 43  | 132         | 20  |
| Atrazine                          | 25.4  |                                                 | 25.9   | ug/Kg                       | 102 |          | 10  |          | 20  | 150         | 20  |
| Pentachlorophenol                 | 50.7  |                                                 | 52     | ug/Kg                       | 103 |          | 12  |          | 10  | 146         | 20  |
| Phenanthrene                      | 25.4  | 2.7                                             | 28.9   | ug/Kg                       | 103 |          | 9   |          | 27  | 146         | 20  |
| Anthracene                        | 25.4  |                                                 | 27.9   | ug/Kg                       | 110 |          | 9   |          | 12  | 166         | 20  |
| Fluoranthene                      | 25.4  | 5.2                                             | 31.9   | ug/Kg                       | 105 |          | 9   |          | 20  | 150         | 20  |
| Pyrene                            | 25.4  | 3.9                                             | 25.9   | ug/Kg                       | 87  |          | 10  |          | 10  | 163         | 20  |
| Benzo(a)anthracene                | 25.4  | 2.7                                             | 28.9   | ug/Kg                       | 103 |          | 9   |          | 10  | 175         | 20  |
| Chrysene                          | 25.4  | 3.4                                             | 29.4   | ug/Kg                       | 102 |          | 8   |          | 32  | 143         | 20  |
| bis(2-Ethylhexyl)phthalate        | 25.4  | 4.1                                             | 29.4   | ug/Kg                       | 100 |          | 13  |          | 39  | 159         | 20  |
| Benzo(b)fluoranthene              | 25.4  | 3.5                                             | 27     | ug/Kg                       | 93  |          | 8   |          | 10  | 188         | 20  |
| Benzo(k)fluoranthene              | 25.4  | 0                                               | 26.4   | ug/Kg                       | 104 |          | 8   |          | 42  | 122         | 20  |
| Benzo(a)pyrene                    | 25.4  | 0                                               | 30.1   | ug/Kg                       | 119 |          | 8   |          | 10  | 175         | 20  |
| Indeno(1,2,3-cd)pyrene            | 25.4  | 0                                               | 27.6   | ug/Kg                       | 109 |          | 6   |          | 10  | 175         | 20  |
| Dibenz(a,h)anthracene             | 25.4  |                                                 | 25.7   | ug/Kg                       | 101 |          | 4   |          | 10  | 170         | 20  |
| Benzo(g,h,i)perylene              | 25.4  | 0                                               | 25.4   | ug/Kg                       | 100 |          | 5   |          | 10  | 168         | 20  |
| 1,4-Dioxane                       | 25.4  |                                                 | 25.2   | ug/Kg                       | 99  |          | 5   |          | 70  | 130         | 20  |

**Matrix Spike/Matrix Spike Duplicate Summary**

**SW-846**

**SDG No.:** BN082224

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

**Analytical Method:** **8270-Modified**

| Parameter                        | Spike | Sample Result                                   | Result | Units                       | Rec  | Rec Qual | RPD | RPD Qual | Low | Limits High | RPD |
|----------------------------------|-------|-------------------------------------------------|--------|-----------------------------|------|----------|-----|----------|-----|-------------|-----|
| <b>Lab Sample ID: P3660-06MS</b> |       | <b>Client Sample ID: S-906-J-0-0.5-081624MS</b> |        | <b>DataFile: BN033577.D</b> |      |          |     |          |     |             |     |
| n-Nitrosodimethylamine           | 20.9  |                                                 | 19.2   | ug/Kg                       | 92   |          |     |          | 19  | 144         |     |
| bis(2-Chloroethyl)ether          | 20.9  |                                                 | 45.7   | ug/Kg                       | 219  | *        |     |          | 43  | 134         |     |
| Naphthalene                      | 20.9  | 3.3                                             | 20.7   | ug/Kg                       | 83   |          |     |          | 37  | 129         |     |
| Hexachlorobutadiene              | 20.9  |                                                 | 17.9   | ug/Kg                       | 86   |          |     |          | 37  | 132         |     |
| 2-Methylnaphthalene              | 20.9  | 2.3                                             | 20     | ug/Kg                       | 85   |          |     |          | 37  | 139         |     |
| Acenaphthylene                   | 20.9  | 4.5                                             | 23.1   | ug/Kg                       | 89   |          |     |          | 21  | 147         |     |
| Acenaphthene                     | 20.9  | 16.2                                            | 31.4   | ug/Kg                       | 73   |          |     |          | 19  | 141         |     |
| Total PAH                        | 334.4 | 2528                                            | 2348.6 | ug/Kg                       | -54  | *        |     |          | 19  | 141         |     |
| Fluorene                         | 20.9  | 12.5                                            | 27.8   | ug/Kg                       | 73   |          |     |          | 10  | 167         |     |
| 4,6-Dinitro-2-methylphenol       | 20.9  |                                                 | 12.1   | ug/Kg                       | 58   |          |     |          | 20  | 150         |     |
| 4-Bromophenyl-phenylether        | 20.9  |                                                 | 17.3   | ug/Kg                       | 83   |          |     |          | 20  | 150         |     |
| Hexachlorobenzene                | 20.9  |                                                 | 17.6   | ug/Kg                       | 84   |          |     |          | 43  | 132         |     |
| Atrazine                         | 20.9  |                                                 | 19.1   | ug/Kg                       | 91   |          |     |          | 20  | 150         |     |
| Pentachlorophenol                | 41.9  |                                                 | 37.6   | ug/Kg                       | 90   |          |     |          | 10  | 146         |     |
| Phenanthrene                     | 20.9  | 220                                             | 190    | ug/Kg                       | -144 | *        |     |          | 27  | 146         |     |
| Anthracene                       | 20.9  | 34.5                                            | 47.6   | ug/Kg                       | 63   |          |     |          | 12  | 166         |     |
| Fluoranthene                     | 20.9  | 500                                             | 430    | ug/Kg                       | -335 | *        |     |          | 20  | 150         |     |
| Pyrene                           | 20.9  | 320                                             | 280    | ug/Kg                       | -191 | *        |     |          | 10  | 163         |     |
| Benzo(a)anthracene               | 20.9  | 190                                             | 170    | ug/Kg                       | -96  | *        |     |          | 10  | 175         |     |
| Chrysene                         | 20.9  | 230                                             | 220    | ug/Kg                       | -48  | *        |     |          | 32  | 143         |     |
| bis(2-Ethylhexyl)phthalate       | 20.9  | 9.9                                             | 27.8   | ug/Kg                       | 86   |          |     |          | 39  | 159         |     |
| Benzo(b)fluoranthene             | 20.9  | 320                                             | 280    | ug/Kg                       | -191 | *        |     |          | 10  | 188         |     |
| Benzo(k)fluoranthene             | 20.9  | 98.1                                            | 99.8   | ug/Kg                       | 8    | *        |     |          | 42  | 122         |     |
| Benzo(a)pyrene                   | 20.9  | 230                                             | 200    | ug/Kg                       | -144 | *        |     |          | 10  | 175         |     |
| Indeno(1,2,3-cd)pyrene           | 20.9  | 140                                             | 130    | ug/Kg                       | -48  | *        |     |          | 10  | 175         |     |
| Dibenz(a,h)anthracene            | 20.9  | 38.9                                            | 48.2   | ug/Kg                       | 44   |          |     |          | 10  | 170         |     |
| Benzo(g,h,i)perylene             | 20.9  | 170                                             | 150    | ug/Kg                       | -96  | *        |     |          | 10  | 168         |     |
| 1,4-Dioxane                      | 20.9  |                                                 | 17.8   | ug/Kg                       | 85   |          |     |          | 70  | 130         |     |

**Matrix Spike/Matrix Spike Duplicate Summary**

**SW-846**

**SDG No.:** BN082224

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

**Analytical Method:** 8270-Modified

| Parameter                         | Spike | Sample Result                                    | Result | Units                       | Rec | Rec Qual | RPD  | RPD Qual | Low | Limits High | RPD |
|-----------------------------------|-------|--------------------------------------------------|--------|-----------------------------|-----|----------|------|----------|-----|-------------|-----|
| <b>Lab Sample ID: P3660-07MSD</b> |       | <b>Client Sample ID: S-906-J-0-0.5-081624MSD</b> |        | <b>DataFile: BN033578.D</b> |     |          |      |          |     |             |     |
| n-Nitrosodimethylamine            | 21    |                                                  | 21.2   | ug/Kg                       | 101 |          | 9    |          | 19  | 144         | 20  |
| bis(2-Chloroethyl)ether           | 21    |                                                  | 51.5   | ug/Kg                       | 245 | *        | 11   |          | 43  | 134         | 20  |
| Naphthalene                       | 21    | 3.3                                              | 23.5   | ug/Kg                       | 96  |          | 15   |          | 37  | 129         | 20  |
| Hexachlorobutadiene               | 21    |                                                  | 20.3   | ug/Kg                       | 97  |          | 12   |          | 37  | 132         | 20  |
| 2-Methylnaphthalene               | 21    | 2.3                                              | 22.6   | ug/Kg                       | 97  |          | 13   |          | 37  | 139         | 20  |
| Acenaphthylene                    | 21    | 4.5                                              | 26     | ug/Kg                       | 102 |          | 14   |          | 21  | 147         | 20  |
| Acenaphthene                      | 21    | 16.2                                             | 35.2   | ug/Kg                       | 90  |          | 21   | *        | 19  | 141         | 20  |
| Total PAH                         | 336   | 2528                                             | 2665.9 | ug/Kg                       | 41  |          | 1462 | *        | 19  | 141         | 20  |
| Fluorene                          | 21    | 12.5                                             | 31.2   | ug/Kg                       | 89  |          | 20   |          | 10  | 167         | 20  |
| 4,6-Dinitro-2-methylphenol        | 21    |                                                  | 13     | ug/Kg                       | 62  |          | 7    |          | 20  | 150         | 20  |
| 4-Bromophenyl-phenylether         | 21    |                                                  | 20.3   | ug/Kg                       | 97  |          | 16   |          | 20  | 150         | 20  |
| Hexachlorobenzene                 | 21    |                                                  | 20.5   | ug/Kg                       | 98  |          | 15   |          | 43  | 132         | 20  |
| Atrazine                          | 21    |                                                  | 21.6   | ug/Kg                       | 103 |          | 12   |          | 20  | 150         | 20  |
| Pentachlorophenol                 | 41.9  |                                                  | 43.6   | ug/Kg                       | 104 |          | 14   |          | 10  | 146         | 20  |
| Phenanthrene                      | 21    | 220                                              | 220    | ug/Kg                       | 0   | *        | 200  | *        | 27  | 146         | 20  |
| Anthracene                        | 21    | 34.5                                             | 54.7   | ug/Kg                       | 96  |          | 42   | *        | 12  | 166         | 20  |
| Fluoranthene                      | 21    | 500                                              | 490    | ug/Kg                       | -48 | *        | 150  | *        | 20  | 150         | 20  |
| Pyrene                            | 21    | 320                                              | 310    | ug/Kg                       | -48 | *        | 120  | *        | 10  | 163         | 20  |
| Benzo(a)anthracene                | 21    | 190                                              | 200    | ug/Kg                       | 48  |          | 600  | *        | 10  | 175         | 20  |
| Chrysene                          | 21    | 230                                              | 240    | ug/Kg                       | 48  |          |      |          | 32  | 143         | 20  |
| bis(2-Ethylhexyl)phthalate        | 21    | 9.9                                              | 30.6   | ug/Kg                       | 99  |          | 14   |          | 39  | 159         | 20  |
| Benzo(b)fluoranthene              | 21    | 320                                              | 300    | ug/Kg                       | -95 | *        | 67   | *        | 10  | 188         | 20  |
| Benzo(k)fluoranthene              | 21    | 98.1                                             | 130    | ug/Kg                       | 152 | *        | 180  | *        | 42  | 122         | 20  |
| Benzo(a)pyrene                    | 21    | 230                                              | 230    | ug/Kg                       | 0   | *        | 200  | *        | 10  | 175         | 20  |
| Indeno(1,2,3-cd)pyrene            | 21    | 140                                              | 150    | ug/Kg                       | 48  |          |      |          | 10  | 175         | 20  |
| Dibenz(a,h)anthracene             | 21    | 38.9                                             | 55.3   | ug/Kg                       | 78  |          | 56   | *        | 10  | 170         | 20  |
| Benzo(g,h,i)perylene              | 21    | 170                                              | 170    | ug/Kg                       | 0   | *        | 200  | *        | 10  | 168         | 20  |
| 1,4-Dioxane                       | 21    |                                                  | 19.6   | ug/Kg                       | 93  |          | 9    |          | 70  | 130         | 20  |

**Matrix Spike/Matrix Spike Duplicate Summary**

**SW-846**

**SDG No.:** BN082224

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

**Analytical Method:** **8270-Modified**

| Parameter                        | Spike | Sample Result                                       | Result | Units                       | Rec | Rec Qual | RPD | RPD Qual | Low | Limits High | RPD |
|----------------------------------|-------|-----------------------------------------------------|--------|-----------------------------|-----|----------|-----|----------|-----|-------------|-----|
| <b>Lab Sample ID: P3671-10MS</b> |       | <b>Client Sample ID: S-928-K1-SO-0.5-1-081924MS</b> |        | <b>DataFile: BN033571.D</b> |     |          |     |          |     |             |     |
| n-Nitrosodimethylamine           | 23.3  |                                                     | 22.4   | ug/Kg                       | 96  |          |     |          | 19  | 144         |     |
| bis(2-Chloroethyl)ether          | 23.3  |                                                     | 24.9   | ug/Kg                       | 107 |          |     |          | 43  | 134         |     |
| Naphthalene                      | 23.3  |                                                     | 23.8   | ug/Kg                       | 102 |          |     |          | 37  | 129         |     |
| Hexachlorobutadiene              | 23.3  |                                                     | 22.5   | ug/Kg                       | 97  |          |     |          | 37  | 132         |     |
| 2-Methylnaphthalene              | 23.3  |                                                     | 23.2   | ug/Kg                       | 100 |          |     |          | 37  | 139         |     |
| Acenaphthylene                   | 23.3  | 3.1                                                 | 26.7   | ug/Kg                       | 101 |          |     |          | 21  | 147         |     |
| Acenaphthene                     | 23.3  |                                                     | 22.9   | ug/Kg                       | 98  |          |     |          | 19  | 141         |     |
| Total PAH                        | 372.8 | 158.3                                               | 523.7  | ug/Kg                       | 140 |          |     |          | 19  | 141         |     |
| Fluorene                         | 23.3  | 1.4                                                 | 22.5   | ug/Kg                       | 91  |          |     |          | 10  | 167         |     |
| 4,6-Dinitro-2-methylphenol       | 23.3  |                                                     | 17.2   | ug/Kg                       | 74  |          |     |          | 20  | 150         |     |
| 4-Bromophenyl-phenylether        | 23.3  |                                                     | 21.8   | ug/Kg                       | 94  |          |     |          | 20  | 150         |     |
| Hexachlorobenzene                | 23.3  |                                                     | 21.9   | ug/Kg                       | 94  |          |     |          | 43  | 132         |     |
| Atrazine                         | 23.3  |                                                     | 23.1   | ug/Kg                       | 99  |          |     |          | 20  | 150         |     |
| Pentachlorophenol                | 46.6  |                                                     | 42.6   | ug/Kg                       | 91  |          |     |          | 10  | 146         |     |
| Phenanthrene                     | 23.3  | 12.5                                                | 35.4   | ug/Kg                       | 98  |          |     |          | 27  | 146         |     |
| Anthracene                       | 23.3  | 2                                                   | 26.7   | ug/Kg                       | 106 |          |     |          | 12  | 166         |     |
| Fluoranthene                     | 23.3  | 26.8                                                | 51     | ug/Kg                       | 104 |          |     |          | 20  | 150         |     |
| Pyrene                           | 23.3  | 20                                                  | 39.6   | ug/Kg                       | 84  |          |     |          | 10  | 163         |     |
| Benzo(a)anthracene               | 23.3  | 9.8                                                 | 33.8   | ug/Kg                       | 103 |          |     |          | 10  | 175         |     |
| Chrysene                         | 23.3  | 15.8                                                | 38.8   | ug/Kg                       | 99  |          |     |          | 32  | 143         |     |
| bis(2-Ethylhexyl)phthalate       | 23.3  | 4.5                                                 | 28.7   | ug/Kg                       | 104 |          |     |          | 39  | 159         |     |
| Benzo(b)fluoranthene             | 23.3  | 20.9                                                | 40.7   | ug/Kg                       | 85  |          |     |          | 10  | 188         |     |
| Benzo(k)fluoranthene             | 23.3  | 8                                                   | 32.7   | ug/Kg                       | 106 |          |     |          | 42  | 122         |     |
| Benzo(a)pyrene                   | 23.3  | 14                                                  | 38.7   | ug/Kg                       | 106 |          |     |          | 10  | 175         |     |
| Indeno(1,2,3-cd)pyrene           | 23.3  | 9.6                                                 | 32.7   | ug/Kg                       | 99  |          |     |          | 10  | 175         |     |
| Dibenz(a,h)anthracene            | 23.3  | 2.6                                                 | 25.2   | ug/Kg                       | 97  |          |     |          | 10  | 170         |     |
| Benzo(g,h,i)perylene             | 23.3  | 11.8                                                | 32.5   | ug/Kg                       | 89  |          |     |          | 10  | 168         |     |
| 1,4-Dioxane                      | 23.3  |                                                     | 19.8   | ug/Kg                       | 85  |          |     |          | 70  | 130         |     |

**Matrix Spike/Matrix Spike Duplicate Summary**

**SW-846**

**SDG No.:** BN082224

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

**Analytical Method:** **8270-Modified**

| Parameter                         | Spike | Sample Result                                        | Result | Units                       | Rec | Rec Qual | RPD | RPD Qual | Low | Limits High | RPD |
|-----------------------------------|-------|------------------------------------------------------|--------|-----------------------------|-----|----------|-----|----------|-----|-------------|-----|
| <b>Lab Sample ID: P3671-10MSD</b> |       | <b>Client Sample ID: S-928-K1-SO-0.5-1-081924MSD</b> |        | <b>DataFile: BN033572.D</b> |     |          |     |          |     |             |     |
| n-Nitrosodimethylamine            | 23.3  |                                                      | 23.9   | ug/Kg                       | 103 |          | 7   |          | 19  | 144         | 20  |
| bis(2-Chloroethyl)ether           | 23.3  |                                                      | 25.5   | ug/Kg                       | 109 |          | 2   |          | 43  | 134         | 20  |
| Naphthalene                       | 23.3  |                                                      | 24.5   | ug/Kg                       | 105 |          | 3   |          | 37  | 129         | 20  |
| Hexachlorobutadiene               | 23.3  |                                                      | 22.8   | ug/Kg                       | 98  |          | 1   |          | 37  | 132         | 20  |
| 2-Methylnaphthalene               | 23.3  |                                                      | 24.1   | ug/Kg                       | 103 |          | 3   |          | 37  | 139         | 20  |
| Acenaphthylene                    | 23.3  | 3.1                                                  | 27.9   | ug/Kg                       | 106 |          | 5   |          | 21  | 147         | 20  |
| Acenaphthene                      | 23.3  |                                                      | 23.7   | ug/Kg                       | 102 |          | 4   |          | 19  | 141         | 20  |
| Total PAH                         | 372.8 | 158.3                                                | 541.3  | ug/Kg                       | 145 | *        | 4   |          | 19  | 141         | 20  |
| Fluorene                          | 23.3  | 1.4                                                  | 23.4   | ug/Kg                       | 94  |          | 3   |          | 10  | 167         | 20  |
| 4,6-Dinitro-2-methylphenol        | 23.3  |                                                      | 18.3   | ug/Kg                       | 79  |          | 7   |          | 20  | 150         | 20  |
| 4-Bromophenyl-phenylether         | 23.3  |                                                      | 23.2   | ug/Kg                       | 100 |          | 6   |          | 20  | 150         | 20  |
| Hexachlorobenzene                 | 23.3  |                                                      | 23     | ug/Kg                       | 99  |          | 5   |          | 43  | 132         | 20  |
| Atrazine                          | 23.3  |                                                      | 24.3   | ug/Kg                       | 104 |          | 5   |          | 20  | 150         | 20  |
| Pentachlorophenol                 | 46.6  |                                                      | 45.3   | ug/Kg                       | 97  |          | 6   |          | 10  | 146         | 20  |
| Phenanthrene                      | 23.3  | 12.5                                                 | 37.4   | ug/Kg                       | 107 |          | 9   |          | 27  | 146         | 20  |
| Anthracene                        | 23.3  | 2                                                    | 28.2   | ug/Kg                       | 112 |          | 6   |          | 12  | 166         | 20  |
| Fluoranthene                      | 23.3  | 26.8                                                 | 52.2   | ug/Kg                       | 109 |          | 5   |          | 20  | 150         | 20  |
| Pyrene                            | 23.3  | 20                                                   | 41.3   | ug/Kg                       | 91  |          | 8   |          | 10  | 163         | 20  |
| Benzo(a)anthracene                | 23.3  | 9.8                                                  | 35     | ug/Kg                       | 108 |          | 5   |          | 10  | 175         | 20  |
| Chrysene                          | 23.3  | 15.8                                                 | 40.8   | ug/Kg                       | 107 |          | 8   |          | 32  | 143         | 20  |
| bis(2-Ethylhexyl)phthalate        | 23.3  | 4.5                                                  | 30.6   | ug/Kg                       | 112 |          | 7   |          | 39  | 159         | 20  |
| Benzo(b)fluoranthene              | 23.3  | 20.9                                                 | 42.6   | ug/Kg                       | 93  |          | 9   |          | 10  | 188         | 20  |
| Benzo(k)fluoranthene              | 23.3  | 8                                                    | 32.3   | ug/Kg                       | 104 |          | 2   |          | 42  | 122         | 20  |
| Benzo(a)pyrene                    | 23.3  | 14                                                   | 39.7   | ug/Kg                       | 110 |          | 4   |          | 10  | 175         | 20  |
| Indeno(1,2,3-cd)pyrene            | 23.3  | 9.6                                                  | 33.3   | ug/Kg                       | 102 |          | 3   |          | 10  | 175         | 20  |
| Dibenz(a,h)anthracene             | 23.3  | 2.6                                                  | 25.7   | ug/Kg                       | 99  |          | 2   |          | 10  | 170         | 20  |
| Benzo(g,h,i)perylene              | 23.3  | 11.8                                                 | 33.3   | ug/Kg                       | 92  |          | 3   |          | 10  | 168         | 20  |
| 1,4-Dioxane                       | 23.3  |                                                      | 20.1   | ug/Kg                       | 86  |          | 1   |          | 70  | 130         | 20  |

## Surrogate Summary

SW-846

SDG No.: **BN082224**

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

Analytical Method: **8270-Modified**

| Lab Sample ID | Client ID                | Datafile | Parameter               | Spike<br>(PPM) | Result<br>(PPM) | Recovery (%) | Qual | Limits (%) |      |
|---------------|--------------------------|----------|-------------------------|----------------|-----------------|--------------|------|------------|------|
|               |                          |          |                         |                |                 |              |      | Low        | High |
| P3623-02RE    | TT189D2-HYD-20BN033546.D |          | 2-Methylnaphthalene-d10 | 0.4            | 0.01            | 2            | *    | 20         | 139  |
|               |                          |          | Fluoranthene-d10        | 0.4            | 0.16            | 41           |      | 30         | 150  |
|               |                          |          | 2-Fluorophenol          | 0.4            | 0.01            | 3            | *    | 10         | 100  |
|               |                          |          | Phenol-d6               | 0.4            | 0.00            | 0            | *    | 10         | 100  |
|               |                          |          | Nitrobenzene-d5         | 0.4            | 0.26            | 65           |      | 27         | 123  |
|               |                          |          | 2-Fluorobiphenyl        | 0.4            | 0.27            | 67           |      | 34         | 132  |
|               |                          |          | 2,4,6-Tribromophenol    | 0.4            | 0.16            | 39           |      | 10         | 131  |
|               |                          |          | Terphenyl-d14           | 0.4            | 0.36            | 91           |      | 35         | 157  |
| P3623-03RE    | BPOW6-7-HYD-20BN033547.D |          | 2-Methylnaphthalene-d10 | 0.4            | 0.02            | 5            | *    | 20         | 139  |
|               |                          |          | Fluoranthene-d10        | 0.4            | 0.21            | 53           |      | 30         | 150  |
|               |                          |          | 2-Fluorophenol          | 0.4            | 0.01            | 2            | *    | 10         | 100  |
|               |                          |          | Phenol-d6               | 0.4            | 0.00            | 1            | *    | 10         | 100  |
|               |                          |          | Nitrobenzene-d5         | 0.4            | 0.31            | 78           |      | 27         | 123  |
|               |                          |          | 2-Fluorobiphenyl        | 0.4            | 0.32            | 81           |      | 34         | 132  |
|               |                          |          | 2,4,6-Tribromophenol    | 0.4            | 0.25            | 63           |      | 10         | 131  |
|               |                          |          | Terphenyl-d14           | 0.4            | 0.42            | 106          |      | 35         | 157  |

## Surrogate Summary

SW-846

SDG No.: **BN082224**

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

Analytical Method: **8270-Modified**

| Lab Sample ID | Client ID                     | Datafile | Parameter               | Spike<br>(PPM) | Result<br>(PPM) | Recovery (%) | Qual | Limits (%) |      |
|---------------|-------------------------------|----------|-------------------------|----------------|-----------------|--------------|------|------------|------|
|               |                               |          |                         |                |                 |              |      | Low        | High |
| P3660-02      | S-901-J-0.5-1-0816:BN033559.D |          | 2-Methylnaphthalene-d10 | 0.4            | 0.17            | 42           |      | 17         | 161  |
|               |                               |          | Fluoranthene-d10        | 0.4            | 0.14            | 34           |      | 23         | 138  |
|               |                               |          | 2-Fluorophenol          | 0.4            | 0.15            | 38           |      | 28         | 122  |
|               |                               |          | Phenol-d6               | 0.4            | 0.16            | 40           |      | 25         | 125  |
|               |                               |          | Nitrobenzene-d5         | 0.4            | 0.19            | 47           |      | 33         | 121  |
|               |                               |          | 2-Fluorobiphenyl        | 0.4            | 0.16            | 40           |      | 32         | 121  |
|               |                               |          | 2,4,6-Tribromophenol    | 0.4            | 0.16            | 40           |      | 19         | 110  |
|               |                               |          | Terphenyl-d14           | 0.4            | 0.10            | 26           |      | 21         | 130  |
| P3660-05      | S-906-J-0-0.5-0816:BN033576.D |          | 2-Methylnaphthalene-d10 | 0.4            | 0.24            | 60           |      | 17         | 161  |
|               |                               |          | Fluoranthene-d10        | 0.4            | 0.19            | 47           |      | 23         | 138  |
|               |                               |          | 2-Fluorophenol          | 0.4            | 0.25            | 62           |      | 28         | 122  |
|               |                               |          | Phenol-d6               | 0.4            | 0.26            | 64           |      | 25         | 125  |
|               |                               |          | Nitrobenzene-d5         | 0.4            | 0.30            | 74           |      | 33         | 121  |
|               |                               |          | 2-Fluorobiphenyl        | 0.4            | 0.22            | 55           |      | 32         | 121  |
|               |                               |          | 2,4,6-Tribromophenol    | 0.4            | 0.24            | 60           |      | 19         | 110  |
|               |                               |          | Terphenyl-d14           | 0.4            | 0.13            | 33           |      | 21         | 130  |
| P3660-06MS    | S-906-J-0-0.5-0816:BN033577.D |          | 2-Methylnaphthalene-d10 | 0.4            | 0.21            | 52           |      | 17         | 161  |
|               |                               |          | Fluoranthene-d10        | 0.4            | 0.15            | 38           |      | 23         | 138  |
|               |                               |          | 2-Fluorophenol          | 0.4            | 0.19            | 48           |      | 28         | 122  |
|               |                               |          | Phenol-d6               | 0.4            | 0.20            | 50           |      | 25         | 125  |
|               |                               |          | Nitrobenzene-d5         | 0.4            | 0.24            | 59           |      | 33         | 121  |
|               |                               |          | 2-Fluorobiphenyl        | 0.4            | 0.18            | 44           |      | 32         | 121  |
|               |                               |          | 2,4,6-Tribromophenol    | 0.4            | 0.18            | 44           |      | 19         | 110  |
|               |                               |          | Terphenyl-d14           | 0.4            | 0.11            | 27           |      | 21         | 130  |
| P3660-07MSD   | S-906-J-0-0.5-0816:BN033578.D |          | 2-Methylnaphthalene-d10 | 0.4            | 0.24            | 59           |      | 17         | 161  |
|               |                               |          | Fluoranthene-d10        | 0.4            | 0.18            | 44           |      | 23         | 138  |
|               |                               |          | 2-Fluorophenol          | 0.4            | 0.22            | 54           |      | 28         | 122  |
|               |                               |          | Phenol-d6               | 0.4            | 0.23            | 57           |      | 25         | 125  |
|               |                               |          | Nitrobenzene-d5         | 0.4            | 0.27            | 68           |      | 33         | 121  |
|               |                               |          | 2-Fluorobiphenyl        | 0.4            | 0.20            | 50           |      | 32         | 121  |
|               |                               |          | 2,4,6-Tribromophenol    | 0.4            | 0.21            | 51           |      | 19         | 110  |
|               |                               |          | Terphenyl-d14           | 0.4            | 0.12            | 30           |      | 21         | 130  |
| P3660-08      | S-906-J-0.5-1-0816:BN033553.D |          | 2-Methylnaphthalene-d10 | 0.4            | 0.20            | 50           |      | 17         | 161  |
|               |                               |          | Fluoranthene-d10        | 0.4            | 0.17            | 43           |      | 23         | 138  |
|               |                               |          | 2-Fluorophenol          | 0.4            | 0.20            | 50           |      | 28         | 122  |
|               |                               |          | Phenol-d6               | 0.4            | 0.20            | 51           |      | 25         | 125  |
|               |                               |          | Nitrobenzene-d5         | 0.4            | 0.23            | 58           |      | 33         | 121  |
|               |                               |          | 2-Fluorobiphenyl        | 0.4            | 0.19            | 47           |      | 32         | 121  |
|               |                               |          | 2,4,6-Tribromophenol    | 0.4            | 0.20            | 49           |      | 19         | 110  |
|               |                               |          | Terphenyl-d14           | 0.4            | 0.13            | 31           |      | 21         | 130  |
| P3663-02      | 910-J-SD-0.5-1-081BN033579.D  |          | 2-Methylnaphthalene-d10 | 0.4            | 0.16            | 39           |      | 17         | 161  |
|               |                               |          | Fluoranthene-d10        | 0.4            | 0.13            | 32           |      | 23         | 138  |
|               |                               |          | 2-Fluorophenol          | 0.4            | 0.18            | 46           |      | 28         | 122  |
|               |                               |          | Phenol-d6               | 0.4            | 0.18            | 46           |      | 25         | 125  |
|               |                               |          | Nitrobenzene-d5         | 0.4            | 0.19            | 47           |      | 33         | 121  |
|               |                               |          | 2-Fluorobiphenyl        | 0.4            | 0.14            | 36           |      | 32         | 121  |
|               |                               |          | 2,4,6-Tribromophenol    | 0.4            | 0.18            | 44           |      | 19         | 110  |
|               |                               |          | Terphenyl-d14           | 0.4            | 0.09            | 22           |      | 21         | 130  |
| P3663-03      | 914-J-SD-0-0.5-081BN033550.D  |          | 2-Methylnaphthalene-d10 | 0.4            | 0.17            | 42           |      | 17         | 161  |

## Surrogate Summary

SW-846

SDG No.: **BN082224**

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

Analytical Method: **8270-Modified**

| Lab Sample ID | Client ID                    | Datafile | Parameter               | Spike<br>(PPM) | Result<br>(PPM) | Recovery (%) | Qual | Limits (%) |      |
|---------------|------------------------------|----------|-------------------------|----------------|-----------------|--------------|------|------------|------|
|               |                              |          |                         |                |                 |              |      | Low        | High |
| P3663-03      | 914-J-SD-0-0.5-081BN033550.D |          | Fluoranthene-d10        | 0.4            | 0.13            | 33           |      | 23         | 138  |
|               |                              |          | 2-Fluorophenol          | 0.4            | 0.18            | 44           |      | 28         | 122  |
|               |                              |          | Phenol-d6               | 0.4            | 0.18            | 45           |      | 25         | 125  |
|               |                              |          | Nitrobenzene-d5         | 0.4            | 0.20            | 51           |      | 33         | 121  |
|               |                              |          | 2-Fluorobiphenyl        | 0.4            | 0.17            | 41           |      | 32         | 121  |
|               |                              |          | 2,4,6-Tribromophenol    | 0.4            | 0.14            | 36           |      | 19         | 110  |
|               |                              |          | Terphenyl-d14           | 0.4            | 0.11            | 28           |      | 21         | 130  |
| P3663-04      | 914-J-SD-0-1-0816:BN033549.D |          | 2-Methylnaphthalene-d10 | 0.4            | 0.19            | 48           |      | 17         | 161  |
|               |                              |          | Fluoranthene-d10        | 0.4            | 0.17            | 41           |      | 23         | 138  |
|               |                              |          | 2-Fluorophenol          | 0.4            | 0.20            | 50           |      | 28         | 122  |
|               |                              |          | Phenol-d6               | 0.4            | 0.20            | 50           |      | 25         | 125  |
|               |                              |          | Nitrobenzene-d5         | 0.4            | 0.24            | 61           |      | 33         | 121  |
|               |                              |          | 2-Fluorobiphenyl        | 0.4            | 0.19            | 46           |      | 32         | 121  |
|               |                              |          | 2,4,6-Tribromophenol    | 0.4            | 0.18            | 46           |      | 19         | 110  |
| P3663-05MS    | 914-J-SD-0-1-0816:BN033551.D |          | Terphenyl-d14           | 0.4            | 0.14            | 34           |      | 21         | 130  |
|               |                              |          | 2-Methylnaphthalene-d10 | 0.4            | 0.36            | 89           |      | 17         | 161  |
|               |                              |          | Fluoranthene-d10        | 0.4            | 0.17            | 41           |      | 23         | 138  |
|               |                              |          | 2-Fluorophenol          | 0.4            | 0.20            | 51           |      | 28         | 122  |
|               |                              |          | Phenol-d6               | 0.4            | 0.21            | 52           |      | 25         | 125  |
|               |                              |          | Nitrobenzene-d5         | 0.4            | 0.24            | 60           |      | 33         | 121  |
|               |                              |          | 2-Fluorobiphenyl        | 0.4            | 0.19            | 47           |      | 32         | 121  |
| P3663-06MSD   | 914-J-SD-0-1-0816:BN033552.D |          | 2,4,6-Tribromophenol    | 0.4            | 0.19            | 48           |      | 19         | 110  |
|               |                              |          | Terphenyl-d14           | 0.4            | 0.13            | 34           |      | 21         | 130  |
|               |                              |          | 2-Methylnaphthalene-d10 | 0.4            | 0.39            | 97           |      | 17         | 161  |
|               |                              |          | Fluoranthene-d10        | 0.4            | 0.18            | 45           |      | 23         | 138  |
|               |                              |          | 2-Fluorophenol          | 0.4            | 0.22            | 56           |      | 28         | 122  |
|               |                              |          | Phenol-d6               | 0.4            | 0.23            | 57           |      | 25         | 125  |
|               |                              |          | Nitrobenzene-d5         | 0.4            | 0.26            | 65           |      | 33         | 121  |
| P3663-07      | 916-J-SD-0-0.5-081BN033557.D |          | 2-Fluorobiphenyl        | 0.4            | 0.20            | 50           |      | 32         | 121  |
|               |                              |          | 2,4,6-Tribromophenol    | 0.4            | 0.21            | 52           |      | 19         | 110  |
|               |                              |          | Terphenyl-d14           | 0.4            | 0.15            | 36           |      | 21         | 130  |
|               |                              |          | 2-Methylnaphthalene-d10 | 0.4            | 0.15            | 37           |      | 17         | 161  |
|               |                              |          | Fluoranthene-d10        | 0.4            | 0.12            | 31           |      | 23         | 138  |
|               |                              |          | 2-Fluorophenol          | 0.4            | 0.17            | 41           |      | 28         | 122  |
|               |                              |          | Phenol-d6               | 0.4            | 0.16            | 41           |      | 25         | 125  |
| P3663-08      | 916-J-SD-0.5-1-081BN033554.D |          | Nitrobenzene-d5         | 0.4            | 0.19            | 49           |      | 33         | 121  |
|               |                              |          | 2-Fluorobiphenyl        | 0.4            | 0.14            | 36           |      | 32         | 121  |
|               |                              |          | 2,4,6-Tribromophenol    | 0.4            | 0.14            | 36           |      | 19         | 110  |
|               |                              |          | Terphenyl-d14           | 0.4            | 0.10            | 24           |      | 21         | 130  |
|               |                              |          | 2-Methylnaphthalene-d10 | 0.4            | 0.21            | 52           |      | 17         | 161  |
|               |                              |          | Fluoranthene-d10        | 0.4            | 0.18            | 44           |      | 23         | 138  |
|               |                              |          | 2-Fluorophenol          | 0.4            | 0.21            | 52           |      | 28         | 122  |
| P3663-12      | 919-J-SD-0-1-0816:BN033558.D |          | Phenol-d6               | 0.4            | 0.21            | 52           |      | 25         | 125  |
|               |                              |          | Nitrobenzene-d5         | 0.4            | 0.27            | 66           |      | 33         | 121  |
|               |                              |          | 2-Fluorobiphenyl        | 0.4            | 0.20            | 51           |      | 32         | 121  |
|               |                              |          | 2,4,6-Tribromophenol    | 0.4            | 0.20            | 49           |      | 19         | 110  |
|               |                              |          | Terphenyl-d14           | 0.4            | 0.15            | 38           |      | 21         | 130  |
|               |                              |          | 2-Methylnaphthalene-d10 | 0.4            | 0.10            | 25           |      | 17         | 161  |
|               |                              |          | Fluoranthene-d10        | 0.4            | 0.07            | 17           | *    | 23         | 138  |

## Surrogate Summary

SW-846

SDG No.: **BN082224**

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

Analytical Method: **8270-Modified**

| Lab Sample ID | Client ID                    | Datafile   | Parameter               | Spike<br>(PPM) | Result<br>(PPM) | Recovery (%) | Qual | Limits (%) |      |
|---------------|------------------------------|------------|-------------------------|----------------|-----------------|--------------|------|------------|------|
|               |                              |            |                         |                |                 |              |      | Low        | High |
| P3663-12      | 919-J-SD-0-1-0816:BN033558.D |            | 2-Fluorophenol          | 0.4            | 0.11            | 28           |      | 28         | 122  |
|               |                              |            | Phenol-d6               | 0.4            | 0.11            | 28           |      | 25         | 125  |
|               |                              |            | Nitrobenzene-d5         | 0.4            | 0.12            | 30           | *    | 33         | 121  |
|               |                              |            | 2-Fluorobiphenyl        | 0.4            | 0.09            | 23           | *    | 32         | 121  |
|               |                              |            | 2,4,6-Tribromophenol    | 0.4            | 0.11            | 26           |      | 19         | 110  |
|               |                              |            | Terphenyl-d14           | 0.4            | 0.05            | 13           | *    | 21         | 130  |
| PB162844BL    | PB162844BL                   | BN033545.D | 2-Methylnaphthalene-d10 | 0.4            | 0.38            | 95           |      | 17         | 161  |
|               |                              |            | Fluoranthene-d10        | 0.4            | 0.37            | 94           |      | 23         | 138  |
|               |                              |            | 2-Fluorophenol          | 0.4            | 0.34            | 84           |      | 28         | 122  |
|               |                              |            | Phenol-d6               | 0.4            | 0.33            | 82           |      | 25         | 125  |
|               |                              |            | Nitrobenzene-d5         | 0.4            | 0.38            | 95           |      | 33         | 121  |
|               |                              |            | 2-Fluorobiphenyl        | 0.4            | 0.41            | 101          |      | 32         | 121  |
|               |                              |            | 2,4,6-Tribromophenol    | 0.4            | 0.31            | 78           |      | 19         | 110  |
|               |                              |            | Terphenyl-d14           | 0.4            | 0.42            | 105          |      | 21         | 130  |
|               |                              |            | 2-Methylnaphthalene-d10 | 0.4            | 0.53            | 132          |      | 17         | 161  |
|               |                              |            | Fluoranthene-d10        | 0.4            | 0.38            | 96           |      | 23         | 138  |
| PB162844BS    | PB162844BS                   | BN033560.D | 2-Fluorophenol          | 0.4            | 0.32            | 79           |      | 28         | 122  |
|               |                              |            | Phenol-d6               | 0.4            | 0.31            | 78           |      | 25         | 125  |
|               |                              |            | Nitrobenzene-d5         | 0.4            | 0.37            | 91           |      | 33         | 121  |
|               |                              |            | 2-Fluorobiphenyl        | 0.4            | 0.39            | 97           |      | 32         | 121  |
|               |                              |            | 2,4,6-Tribromophenol    | 0.4            | 0.30            | 74           |      | 19         | 110  |
|               |                              |            | Terphenyl-d14           | 0.4            | 0.35            | 87           |      | 21         | 130  |

## Surrogate Summary

SW-846

SDG No.: **BN082224**

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

Analytical Method: **8270-Modified**

| Lab Sample ID | Client ID                    | Datafile | Parameter               | Spike<br>(PPM) | Result<br>(PPM) | Recovery (%) | Qual | Limits (%) |      |
|---------------|------------------------------|----------|-------------------------|----------------|-----------------|--------------|------|------------|------|
|               |                              |          |                         |                |                 |              |      | Low        | High |
| P3643-07DL    | 918-J-SD-0-0.5-081BN033556.D |          | 2-Methylnaphthalene-d10 | 0.4            | 0.13            | 32           |      | 17         | 161  |
|               |                              |          | Fluoranthene-d10        | 0.4            | 0.12            | 30           |      | 23         | 138  |
|               |                              |          | 2-Fluorophenol          | 0.4            | 0.13            | 31           |      | 28         | 122  |
|               |                              |          | Phenol-d6               | 0.4            | 0.13            | 32           |      | 25         | 125  |
|               |                              |          | Nitrobenzene-d5         | 0.4            | 0.14            | 35           |      | 33         | 121  |
|               |                              |          | 2-Fluorobiphenyl        | 0.4            | 0.14            | 34           |      | 32         | 121  |
|               |                              |          | 2,4,6-Tribromophenol    | 0.4            | 0.14            | 35           |      | 19         | 110  |
|               |                              |          | Terphenyl-d14           | 0.4            | 0.11            | 28           |      | 21         | 130  |
| P3643-10      | 924-K1-SD-0.5-1.0-BN033548.D |          | 2-Methylnaphthalene-d10 | 0.4            | 0.11            | 28           |      | 17         | 161  |
|               |                              |          | Fluoranthene-d10        | 0.4            | 0.11            | 26           |      | 23         | 138  |
|               |                              |          | 2-Fluorophenol          | 0.4            | 0.10            | 25           | *    | 28         | 122  |
|               |                              |          | Phenol-d6               | 0.4            | 0.11            | 26           |      | 25         | 125  |
|               |                              |          | Nitrobenzene-d5         | 0.4            | 0.14            | 36           |      | 33         | 121  |
|               |                              |          | 2-Fluorobiphenyl        | 0.4            | 0.14            | 36           |      | 32         | 121  |
|               |                              |          | 2,4,6-Tribromophenol    | 0.4            | 0.09            | 23           |      | 19         | 110  |
|               |                              |          | Terphenyl-d14           | 0.4            | 0.14            | 34           |      | 21         | 130  |
| P3643-13DL    | 921-J-SD-0-0.5-081BN033555.D |          | 2-Methylnaphthalene-d10 | 0.4            | 0.19            | 47           |      | 17         | 161  |
|               |                              |          | Fluoranthene-d10        | 0.4            | 0.18            | 44           |      | 23         | 138  |
|               |                              |          | 2-Fluorophenol          | 0.4            | 0.19            | 46           |      | 28         | 122  |
|               |                              |          | Phenol-d6               | 0.4            | 0.19            | 46           |      | 25         | 125  |
|               |                              |          | Nitrobenzene-d5         | 0.4            | 0.22            | 55           |      | 33         | 121  |
|               |                              |          | 2-Fluorobiphenyl        | 0.4            | 0.20            | 50           |      | 32         | 121  |
|               |                              |          | 2,4,6-Tribromophenol    | 0.4            | 0.18            | 45           |      | 19         | 110  |
|               |                              |          | Terphenyl-d14           | 0.4            | 0.17            | 41           |      | 21         | 130  |

## Surrogate Summary

SW-846

SDG No.: **BN082224**

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

Analytical Method: **8270-Modified**

| Lab Sample ID | Client ID                    | Datafile | Parameter               | Spike<br>(PPM) | Result<br>(PPM) | Recovery (%) | Qual | Limits (%) |      |
|---------------|------------------------------|----------|-------------------------|----------------|-----------------|--------------|------|------------|------|
|               |                              |          |                         |                |                 |              |      | Low        | High |
| P3671-03      | S-911-K1-SO-0-0.5.BN033567.D |          | 2-Methylnaphthalene-d10 | 0.4            | 0.21            | 53           |      | 17         | 161  |
|               |                              |          | Fluoranthene-d10        | 0.4            | 0.18            | 44           |      | 23         | 138  |
|               |                              |          | 2-Fluorophenol          | 0.4            | 0.21            | 51           |      | 28         | 122  |
|               |                              |          | Phenol-d6               | 0.4            | 0.20            | 50           |      | 25         | 125  |
|               |                              |          | Nitrobenzene-d5         | 0.4            | 0.29            | 73           |      | 33         | 121  |
|               |                              |          | 2-Fluorobiphenyl        | 0.4            | 0.21            | 52           |      | 32         | 121  |
|               |                              |          | 2,4,6-Tribromophenol    | 0.4            | 0.20            | 49           |      | 19         | 110  |
|               |                              |          | Terphenyl-d14           | 0.4            | 0.14            | 36           |      | 21         | 130  |
| P3671-06      | S-905-KJ-SO-0-0.5.BN033568.D |          | 2-Methylnaphthalene-d10 | 0.4            | 0.16            | 40           |      | 17         | 161  |
|               |                              |          | Fluoranthene-d10        | 0.4            | 0.11            | 28           |      | 23         | 138  |
|               |                              |          | 2-Fluorophenol          | 0.4            | 0.16            | 40           |      | 28         | 122  |
|               |                              |          | Phenol-d6               | 0.4            | 0.17            | 42           |      | 25         | 125  |
|               |                              |          | Nitrobenzene-d5         | 0.4            | 0.19            | 47           |      | 33         | 121  |
|               |                              |          | 2-Fluorobiphenyl        | 0.4            | 0.15            | 38           |      | 32         | 121  |
|               |                              |          | 2,4,6-Tribromophenol    | 0.4            | 0.15            | 37           |      | 19         | 110  |
|               |                              |          | Terphenyl-d14           | 0.4            | 0.09            | 22           |      | 21         | 130  |
| P3671-07      | S-905-KJ-SO-0-0.5.BN033574.D |          | 2-Methylnaphthalene-d10 | 0.4            | 0.17            | 43           |      | 17         | 161  |
|               |                              |          | Fluoranthene-d10        | 0.4            | 0.14            | 34           |      | 23         | 138  |
|               |                              |          | 2-Fluorophenol          | 0.4            | 0.25            | 62           |      | 28         | 122  |
|               |                              |          | Phenol-d6               | 0.4            | 0.23            | 57           |      | 25         | 125  |
|               |                              |          | Nitrobenzene-d5         | 0.4            | 0.24            | 60           |      | 33         | 121  |
|               |                              |          | 2-Fluorobiphenyl        | 0.4            | 0.16            | 41           |      | 32         | 121  |
|               |                              |          | 2,4,6-Tribromophenol    | 0.4            | 0.20            | 50           |      | 19         | 110  |
|               |                              |          | Terphenyl-d14           | 0.4            | 0.10            | 24           |      | 21         | 130  |
| P3671-09      | S-928-K1-SO-0-0.5.BN033569.D |          | 2-Methylnaphthalene-d10 | 0.4            | 0.15            | 37           |      | 17         | 161  |
|               |                              |          | Fluoranthene-d10        | 0.4            | 0.13            | 32           |      | 23         | 138  |
|               |                              |          | 2-Fluorophenol          | 0.4            | 0.16            | 40           |      | 28         | 122  |
|               |                              |          | Phenol-d6               | 0.4            | 0.16            | 41           |      | 25         | 125  |
|               |                              |          | Nitrobenzene-d5         | 0.4            | 0.20            | 49           |      | 33         | 121  |
|               |                              |          | 2-Fluorobiphenyl        | 0.4            | 0.15            | 37           |      | 32         | 121  |
|               |                              |          | 2,4,6-Tribromophenol    | 0.4            | 0.14            | 36           |      | 19         | 110  |
|               |                              |          | Terphenyl-d14           | 0.4            | 0.12            | 31           |      | 21         | 130  |
| P3671-10      | S-928-K1-SO-0.5-1.BN033570.D |          | 2-Methylnaphthalene-d10 | 0.4            | 0.24            | 59           |      | 17         | 161  |
|               |                              |          | Fluoranthene-d10        | 0.4            | 0.19            | 47           |      | 23         | 138  |
|               |                              |          | 2-Fluorophenol          | 0.4            | 0.26            | 66           |      | 28         | 122  |
|               |                              |          | Phenol-d6               | 0.4            | 0.27            | 68           |      | 25         | 125  |
|               |                              |          | Nitrobenzene-d5         | 0.4            | 0.34            | 84           |      | 33         | 121  |
|               |                              |          | 2-Fluorobiphenyl        | 0.4            | 0.24            | 59           |      | 32         | 121  |
|               |                              |          | 2,4,6-Tribromophenol    | 0.4            | 0.23            | 56           |      | 19         | 110  |
|               |                              |          | Terphenyl-d14           | 0.4            | 0.17            | 43           |      | 21         | 130  |
| P3671-10MS    | S-928-K1-SO-0.5-1.BN033571.D |          | 2-Methylnaphthalene-d10 | 0.4            | 0.35            | 87           |      | 17         | 161  |
|               |                              |          | Fluoranthene-d10        | 0.4            | 0.19            | 47           |      | 23         | 138  |
|               |                              |          | 2-Fluorophenol          | 0.4            | 0.25            | 63           |      | 28         | 122  |
|               |                              |          | Phenol-d6               | 0.4            | 0.26            | 64           |      | 25         | 125  |
|               |                              |          | Nitrobenzene-d5         | 0.4            | 0.31            | 77           |      | 33         | 121  |
|               |                              |          | 2-Fluorobiphenyl        | 0.4            | 0.22            | 56           |      | 32         | 121  |
|               |                              |          | 2,4,6-Tribromophenol    | 0.4            | 0.22            | 56           |      | 19         | 110  |
|               |                              |          | Terphenyl-d14           | 0.4            | 0.16            | 41           |      | 21         | 130  |
| P3671-10MSD   | S-928-K1-SO-0.5-1.BN033572.D |          | 2-Methylnaphthalene-d10 | 0.4            | 0.36            | 91           |      | 17         | 161  |

## Surrogate Summary

SW-846

SDG No.: **BN082224**

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

Analytical Method: **8270-Modified**

| Lab Sample ID | Client ID                     | Datafile   | Parameter               | Spike<br>(PPM) | Result<br>(PPM) | Recovery (%) | Qual | Limits (%) |      |
|---------------|-------------------------------|------------|-------------------------|----------------|-----------------|--------------|------|------------|------|
|               |                               |            |                         |                |                 |              |      | Low        | High |
| P3671-10MSD   | S-928-K1-SO-0.5-1 BN033572.D  |            | Fluoranthene-d10        | 0.4            | 0.20            | 49           |      | 23         | 138  |
|               |                               |            | 2-Fluorophenol          | 0.4            | 0.26            | 66           |      | 28         | 122  |
|               |                               |            | Phenol-d6               | 0.4            | 0.27            | 68           |      | 25         | 125  |
|               |                               |            | Nitrobenzene-d5         | 0.4            | 0.33            | 81           |      | 33         | 121  |
|               |                               |            | 2-Fluorobiphenyl        | 0.4            | 0.23            | 58           |      | 32         | 121  |
|               |                               |            | 2,4,6-Tribromophenol    | 0.4            | 0.23            | 58           |      | 19         | 110  |
|               |                               |            | Terphenyl-d14           | 0.4            | 0.17            | 43           |      | 21         | 130  |
| P3671-12      | S-903-J-SO-0.5-1.0 BN033575.D |            | 2-Methylnaphthalene-d10 | 0.4            | 0.17            | 41           |      | 17         | 161  |
|               |                               |            | Fluoranthene-d10        | 0.4            | 0.16            | 41           |      | 23         | 138  |
|               |                               |            | 2-Fluorophenol          | 0.4            | 0.16            | 39           |      | 28         | 122  |
|               |                               |            | Phenol-d6               | 0.4            | 0.16            | 39           |      | 25         | 125  |
|               |                               |            | Nitrobenzene-d5         | 0.4            | 0.19            | 48           |      | 33         | 121  |
|               |                               |            | 2-Fluorobiphenyl        | 0.4            | 0.15            | 38           |      | 32         | 121  |
|               |                               |            | 2,4,6-Tribromophenol    | 0.4            | 0.16            | 41           |      | 19         | 110  |
| P3671-13      | S-912-J-SO-0.5-0 BN033573.D   |            | Terphenyl-d14           | 0.4            | 0.12            | 31           |      | 21         | 130  |
|               |                               |            | 2-Methylnaphthalene-d10 | 0.4            | 0.19            | 47           |      | 17         | 161  |
|               |                               |            | Fluoranthene-d10        | 0.4            | 0.13            | 32           |      | 23         | 138  |
|               |                               |            | 2-Fluorophenol          | 0.4            | 0.20            | 49           |      | 28         | 122  |
|               |                               |            | Phenol-d6               | 0.4            | 0.20            | 50           |      | 25         | 125  |
|               |                               |            | Nitrobenzene-d5         | 0.4            | 0.27            | 68           |      | 33         | 121  |
|               |                               |            | 2-Fluorobiphenyl        | 0.4            | 0.17            | 43           |      | 32         | 121  |
| P3671-14      | S-912-J-SO-0.5-1-0 BN033566.D |            | 2,4,6-Tribromophenol    | 0.4            | 0.19            | 49           |      | 19         | 110  |
|               |                               |            | Terphenyl-d14           | 0.4            | 0.10            | 24           |      | 21         | 130  |
|               |                               |            | 2-Methylnaphthalene-d10 | 0.4            | 0.13            | 32           |      | 17         | 161  |
|               |                               |            | Fluoranthene-d10        | 0.4            | 0.10            | 24           |      | 23         | 138  |
|               |                               |            | 2-Fluorophenol          | 0.4            | 0.13            | 32           |      | 28         | 122  |
|               |                               |            | Phenol-d6               | 0.4            | 0.13            | 32           |      | 25         | 125  |
|               |                               |            | Nitrobenzene-d5         | 0.4            | 0.17            | 41           |      | 33         | 121  |
| PB162880BL    | PB162880BL                    | BN033564.D | 2-Fluorobiphenyl        | 0.4            | 0.13            | 33           |      | 32         | 121  |
|               |                               |            | 2,4,6-Tribromophenol    | 0.4            | 0.11            | 28           |      | 19         | 110  |
|               |                               |            | Terphenyl-d14           | 0.4            | 0.08            | 20           | *    | 21         | 130  |
|               |                               |            | 2-Methylnaphthalene-d10 | 0.4            | 0.36            | 90           |      | 17         | 161  |
|               |                               |            | Fluoranthene-d10        | 0.4            | 0.40            | 100          |      | 23         | 138  |
|               |                               |            | 2-Fluorophenol          | 0.4            | 0.31            | 76           |      | 28         | 122  |
|               |                               |            | Phenol-d6               | 0.4            | 0.30            | 75           |      | 25         | 125  |
| PB162880BS    | PB162880BS                    | BN033565.D | Nitrobenzene-d5         | 0.4            | 0.38            | 96           |      | 33         | 121  |
|               |                               |            | 2-Fluorobiphenyl        | 0.4            | 0.40            | 100          |      | 32         | 121  |
|               |                               |            | 2,4,6-Tribromophenol    | 0.4            | 0.25            | 63           |      | 19         | 110  |
|               |                               |            | Terphenyl-d14           | 0.4            | 0.37            | 91           |      | 21         | 130  |
|               |                               |            | 2-Methylnaphthalene-d10 | 0.4            | 0.37            | 93           |      | 17         | 161  |
|               |                               |            | Fluoranthene-d10        | 0.4            | 0.36            | 89           |      | 23         | 138  |
|               |                               |            | 2-Fluorophenol          | 0.4            | 0.29            | 72           |      | 28         | 122  |
|               |                               |            | Phenol-d6               | 0.4            | 0.28            | 69           |      | 25         | 125  |
|               |                               |            | Nitrobenzene-d5         | 0.4            | 0.36            | 90           |      | 33         | 121  |
|               |                               |            | 2-Fluorobiphenyl        | 0.4            | 0.39            | 97           |      | 32         | 121  |
|               |                               |            | 2,4,6-Tribromophenol    | 0.4            | 0.24            | 60           |      | 19         | 110  |
|               |                               |            | Terphenyl-d14           | 0.4            | 0.32            | 80           |      | 21         | 130  |

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK  
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: BN082224

Lab Code: CHEM

SAS No.: BN082224

SDG NO.: BN082224

Lab File ID: BN033543.D

DFTPP Injection Date: 08/22/2024

Instrument ID: BNA\_N

DFTPP Injection Time: 09:12

| m/e | ION ABUNDANCE CRITERIA             | % RELATIVE ABUNDANCE |
|-----|------------------------------------|----------------------|
| 51  | 10.0 - 80.0% of mass 198           | 33.8                 |
| 68  | Less than 2.0% of mass 69          | 0.6 ( 1.7 ) 1        |
| 69  | Mass 69 relative abundance         | 37                   |
| 70  | Less than 2.0% of mass 69          | 0.2 ( 0.4 ) 1        |
| 127 | 10.0 - 80.0% of mass 198           | 48.5                 |
| 197 | Less than 2.0% of mass 198         | 0.3                  |
| 198 | Base Peak, 100% relative abundance | 100                  |
| 199 | 5.0 to 9.0% of mass 198            | 7                    |
| 275 | 10.0 - 60.0% of mass 198           | 27.3                 |
| 365 | Greater than 1% of mass 198        | 3.7                  |
| 441 | Present, but less than mass 443    | 12.1                 |
| 442 | Greater than 50% of mass 198       | 72.5                 |
| 443 | 15.0 - 24.0% of mass 442           | 15.2 ( 20.9 ) 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 |
|----------------------------|------------------|----------------|------------------|------------------|
| SSTDCCC0.4                 | SSTDCCC0.4       | BN033544.D     | 08/22/2024       | 09:52            |
| PB162844BL                 | PB162844BL       | BN033545.D     | 08/22/2024       | 10:28            |
| TT189D2-HYD-20240813RE     | P3623-02RE       | BN033546.D     | 08/22/2024       | 11:04            |
| BPOW6-7-HYD-20240814RE     | P3623-03RE       | BN033547.D     | 08/22/2024       | 11:41            |
| 924-K1-SD-0.5-1.0-081524   | P3643-10         | BN033548.D     | 08/22/2024       | 12:17            |
| 914-J-SD-0-1-081624        | P3663-04         | BN033549.D     | 08/22/2024       | 12:53            |
| 914-J-SD-0-0.5-081624      | P3663-03         | BN033550.D     | 08/22/2024       | 13:29            |
| 914-J-SD-0-1-081624MS      | P3663-05MS       | BN033551.D     | 08/22/2024       | 14:06            |
| 914-J-SD-0-1-081624MSD     | P3663-06MSD      | BN033552.D     | 08/22/2024       | 14:42            |
| S-906-J-0.5-1-081624       | P3660-08         | BN033553.D     | 08/22/2024       | 15:18            |
| 916-J-SD-0.5-1-081624      | P3663-08         | BN033554.D     | 08/22/2024       | 15:54            |
| 921-J-SD-0-0.5-081524-FDDL | P3643-13DL       | BN033555.D     | 08/22/2024       | 16:30            |
| 918-J-SD-0-0.5-081524DL    | P3643-07DL       | BN033556.D     | 08/22/2024       | 17:07            |
| 916-J-SD-0-0.5-081624      | P3663-07         | BN033557.D     | 08/22/2024       | 17:43            |
| 919-J-SD-0-1-081624        | P3663-12         | BN033558.D     | 08/22/2024       | 18:19            |
| S-901-J-0.5-1-081624       | P3660-02         | BN033559.D     | 08/22/2024       | 18:56            |
| PB162844BS                 | PB162844BS       | BN033560.D     | 08/22/2024       | 19:32            |
| SSTDCCC0.4EC               | SSTDCCC0.4       | BN033561.D     | 08/22/2024       | 20:08            |

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK  
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: BN082224

Lab Code: CHEM

SAS No.: BN082224 SDG NO.: BN082224

Lab File ID: BN033562.D

DFTPP Injection Date: 08/22/2024

Instrument ID: BNA\_N

DFTPP Injection Time: 21:24

| m/e | ION ABUNDANCE CRITERIA             | % RELATIVE ABUNDANCE |
|-----|------------------------------------|----------------------|
| 51  | 10.0 - 80.0% of mass 198           | 37.9                 |
| 68  | Less than 2.0% of mass 69          | 0.7 ( 1.8 ) 1        |
| 69  | Mass 69 relative abundance         | 40                   |
| 70  | Less than 2.0% of mass 69          | 0.2 ( 0.5 ) 1        |
| 127 | 10.0 - 80.0% of mass 198           | 49.7                 |
| 197 | Less than 2.0% of mass 198         | 0.3                  |
| 198 | Base Peak, 100% relative abundance | 100                  |
| 199 | 5.0 to 9.0% of mass 198            | 6.8                  |
| 275 | 10.0 - 60.0% of mass 198           | 27                   |
| 365 | Greater than 1% of mass 198        | 3.6                  |
| 441 | Present, but less than mass 443    | 10.6                 |
| 442 | Greater than 50% of mass 198       | 72.9                 |
| 443 | 15.0 - 24.0% of mass 442           | 13.4 ( 18.4 ) 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 |
|-----------------------------|------------------|----------------|------------------|------------------|
| SSTDCCC0.4                  | SSTDCCC0.4       | BN033563.D     | 08/22/2024       | 22:03            |
| PB162880BL                  | PB162880BL       | BN033564.D     | 08/22/2024       | 22:39            |
| PB162880BS                  | PB162880BS       | BN033565.D     | 08/22/2024       | 23:16            |
| S-912-J-SO-0.5-1-081924     | P3671-14         | BN033566.D     | 08/22/2024       | 23:52            |
| S-911-K1-SO-0-0.5-081924    | P3671-03         | BN033567.D     | 08/23/2024       | 00:28            |
| S-905-KJ-SO-0-0.5-081924    | P3671-06         | BN033568.D     | 08/23/2024       | 01:05            |
| S-928-K1-SO-0-0.5-081924    | P3671-09         | BN033569.D     | 08/23/2024       | 01:41            |
| S-928-K1-SO-0.5-1-081924    | P3671-10         | BN033570.D     | 08/23/2024       | 02:17            |
| S-928-K1-SO-0.5-1-081924MS  | P3671-10MS       | BN033571.D     | 08/23/2024       | 02:53            |
| S-928-K1-SO-0.5-1-081924MSD | P3671-10MSD      | BN033572.D     | 08/23/2024       | 03:30            |
| S-912-J-SO-0-0.5-081924     | P3671-13         | BN033573.D     | 08/23/2024       | 04:06            |
| S-905-KJ-SO-0-0.5-081924-FD | P3671-07         | BN033574.D     | 08/23/2024       | 04:42            |
| S-903-J-SO-0.5-1.0-081924   | P3671-12         | BN033575.D     | 08/23/2024       | 05:18            |
| S-906-J-0-0.5-081624        | P3660-05         | BN033576.D     | 08/23/2024       | 05:54            |
| S-906-J-0-0.5-081624MS      | P3660-06MS       | BN033577.D     | 08/23/2024       | 06:30            |
| S-906-J-0-0.5-081624MSD     | P3660-07MSD      | BN033578.D     | 08/23/2024       | 07:06            |
| 910-J-SD-0.5-1-081624       | P3663-02         | BN033579.D     | 08/23/2024       | 07:42            |
| SSTDCCC0.4EC                | SSTDCCC0.4       | BN033580.D     | 08/23/2024       | 08:18            |