

## Report of Analysis

|                    |                         |                 |                  |
|--------------------|-------------------------|-----------------|------------------|
| Client:            | First Environment, Inc. | Date Collected: |                  |
| Project:           | USACE018-44 DOD         | Date Received:  |                  |
| Client Sample ID:  | PB169223BS              | SDG No.:        | Q2814            |
| Lab Sample ID:     | PB169223BS              | Matrix:         | Water            |
| Analytical Method: | 8270E                   | % Solid:        | 0                |
| Sample Wt/Vol:     | 1000 Units: mL          | Final Vol:      | 1000 uL          |
| Soil Aliquot Vol:  | uL                      | Test:           | SVOC-TCL BNA -20 |
| Extraction Type :  | Decanted : N            | Level :         | LOW              |
| Injection Volume : | GPC Factor : 1.0        | GPC Cleanup :   | N PH :           |
| Prep Method :      |                         |                 |                  |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BF143500.D        | 1         | 08/12/25 09:55 | 08/20/25 23:03 | PB169223      |

| CAS Number     | Parameter                   | Conc. | Qualifier | MDL  | LOD  | LOQ / CRQL | Units |
|----------------|-----------------------------|-------|-----------|------|------|------------|-------|
| <b>TARGETS</b> |                             |       |           |      |      |            |       |
| 100-52-7       | Benzaldehyde                | 27.0  |           | 3.90 | 8.00 | 10.0       | ug/L  |
| 108-95-2       | Phenol                      | 40.2  |           | 0.91 | 4.00 | 5.00       | ug/L  |
| 111-44-4       | bis(2-Chloroethyl)ether     | 40.6  |           | 0.81 | 4.00 | 5.00       | ug/L  |
| 95-57-8        | 2-Chlorophenol              | 41.6  |           | 0.58 | 4.00 | 5.00       | ug/L  |
| 95-48-7        | 2-Methylphenol              | 42.7  |           | 1.10 | 4.00 | 5.00       | ug/L  |
| 108-60-1       | 2,2-oxybis(1-Chloropropane) | 41.0  |           | 1.30 | 4.00 | 5.00       | ug/L  |
| 98-86-2        | Acetophenone                | 42.9  |           | 0.74 | 4.00 | 5.00       | ug/L  |
| 65794-96-9     | 3+4-Methylphenols           | 43.1  |           | 1.10 | 8.00 | 10.0       | ug/L  |
| 621-64-7       | n-Nitroso-di-n-propylamine  | 42.4  |           | 1.40 | 2.50 | 2.50       | ug/L  |
| 67-72-1        | Hexachloroethane            | 40.5  |           | 0.65 | 4.00 | 5.00       | ug/L  |
| 98-95-3        | Nitrobenzene                | 42.2  |           | 0.76 | 4.00 | 5.00       | ug/L  |
| 78-59-1        | Isophorone                  | 43.9  |           | 0.75 | 4.00 | 5.00       | ug/L  |
| 88-75-5        | 2-Nitrophenol               | 44.1  |           | 1.80 | 4.00 | 5.00       | ug/L  |
| 105-67-9       | 2,4-Dimethylphenol          | 46.3  |           | 1.90 | 4.00 | 5.00       | ug/L  |
| 111-91-1       | bis(2-Chloroethoxy)methane  | 43.3  |           | 0.68 | 4.00 | 5.00       | ug/L  |
| 120-83-2       | 2,4-Dichlorophenol          | 42.7  |           | 0.52 | 4.00 | 5.00       | ug/L  |
| 91-20-3        | Naphthalene                 | 41.4  |           | 0.50 | 4.00 | 5.00       | ug/L  |
| 106-47-8       | 4-Chloroaniline             | 40.4  |           | 0.84 | 4.00 | 5.00       | ug/L  |
| 87-68-3        | Hexachlorobutadiene         | 41.8  |           | 0.54 | 4.00 | 5.00       | ug/L  |
| 105-60-2       | Caprolactam                 | 49.3  |           | 1.10 | 8.00 | 10.0       | ug/L  |
| 59-50-7        | 4-Chloro-3-methylphenol     | 44.7  |           | 0.59 | 4.00 | 5.00       | ug/L  |
| 91-57-6        | 2-Methylnaphthalene         | 38.6  |           | 0.56 | 4.00 | 5.00       | ug/L  |
| 77-47-4        | Hexachlorocyclopentadiene   | 100   | E         | 3.60 | 8.00 | 10.0       | ug/L  |
| 88-06-2        | 2,4,6-Trichlorophenol       | 44.4  |           | 0.51 | 4.00 | 5.00       | ug/L  |
| 95-95-4        | 2,4,5-Trichlorophenol       | 43.2  |           | 0.62 | 4.00 | 5.00       | ug/L  |
| 92-52-4        | 1,1-Biphenyl                | 43.3  |           | 0.53 | 4.00 | 5.00       | ug/L  |
| 91-58-7        | 2-Chloronaphthalene         | 42.7  |           | 0.61 | 4.00 | 5.00       | ug/L  |
| 88-74-4        | 2-Nitroaniline              | 45.7  |           | 1.30 | 4.00 | 5.00       | ug/L  |
| 131-11-3       | Dimethylphthalate           | 45.8  |           | 0.61 | 4.00 | 5.00       | ug/L  |

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| Lab Sample ID:     | PB169223BS              | Matrix:         | Water            |
| Analytical Method: | 8270E                   | % Solid:        | 0                |
| Sample Wt/Vol:     | 1000 Units: mL          | Final Vol:      | 1000 uL          |
| Soil Aliquot Vol:  | uL                      | Test:           | SVOC-TCL BNA -20 |
| Extraction Type :  | Decanted : N            | Level :         | LOW              |
| Injection Volume : | GPC Factor : 1.0        | GPC Cleanup :   | N PH :           |
| Prep Method :      |                         |                 |                  |

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| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BF143500.D        | 1         | 08/12/25 09:55 | 08/20/25 23:03 | PB169223      |

| CAS Number | Parameter                  | Conc. | Qualifier | MDL  | LOD  | LOQ / CRQL | Units |
|------------|----------------------------|-------|-----------|------|------|------------|-------|
| 208-96-8   | Acenaphthylene             | 47.7  |           | 0.75 | 4.00 | 5.00       | ug/L  |
| 606-20-2   | 2,6-Dinitrotoluene         | 47.4  |           | 0.92 | 4.00 | 5.00       | ug/L  |
| 99-09-2    | 3-Nitroaniline             | 39.6  |           | 1.10 | 4.00 | 5.00       | ug/L  |
| 83-32-9    | Acenaphthene               | 45.6  |           | 0.55 | 4.00 | 5.00       | ug/L  |
| 51-28-5    | 2,4-Dinitrophenol          | 76.8  |           | 6.00 | 8.00 | 10.0       | ug/L  |
| 100-02-7   | 4-Nitrophenol              | 92.9  | E         | 2.40 | 8.00 | 10.0       | ug/L  |
| 132-64-9   | Dibenzofuran               | 43.2  |           | 0.61 | 4.00 | 5.00       | ug/L  |
| 121-14-2   | 2,4-Dinitrotoluene         | 48.0  |           | 1.20 | 4.00 | 5.00       | ug/L  |
| 84-66-2    | Diethylphthalate           | 46.3  |           | 0.69 | 4.00 | 5.00       | ug/L  |
| 7005-72-3  | 4-Chlorophenyl-phenylether | 42.8  |           | 0.68 | 4.00 | 5.00       | ug/L  |
| 86-73-7    | Fluorene                   | 43.4  |           | 0.63 | 4.00 | 5.00       | ug/L  |
| 100-01-6   | 4-Nitroaniline             | 45.6  |           | 1.50 | 4.00 | 5.00       | ug/L  |
| 534-52-1   | 4,6-Dinitro-2-methylphenol | 45.7  |           | 2.90 | 8.00 | 10.0       | ug/L  |
| 86-30-6    | n-Nitrosodiphenylamine     | 45.0  |           | 0.58 | 4.00 | 5.00       | ug/L  |
| 101-55-3   | 4-Bromophenyl-phenylether  | 44.5  |           | 0.40 | 4.00 | 5.00       | ug/L  |
| 118-74-1   | Hexachlorobenzene          | 44.8  |           | 0.52 | 4.00 | 5.00       | ug/L  |
| 1912-24-9  | Atrazine                   | 48.5  |           | 1.00 | 4.00 | 5.00       | ug/L  |
| 87-86-5    | Pentachlorophenol          | 90.0  | E         | 1.60 | 8.00 | 10.0       | ug/L  |
| 85-01-8    | Phenanthrene               | 43.3  |           | 0.50 | 4.00 | 5.00       | ug/L  |
| 120-12-7   | Anthracene                 | 43.4  |           | 0.61 | 4.00 | 5.00       | ug/L  |
| 86-74-8    | Carbazole                  | 44.2  |           | 0.72 | 4.00 | 5.00       | ug/L  |
| 84-74-2    | Di-n-butylphthalate        | 48.2  |           | 1.20 | 4.00 | 5.00       | ug/L  |
| 206-44-0   | Fluoranthene               | 42.9  |           | 0.82 | 4.00 | 5.00       | ug/L  |
| 129-00-0   | Pyrene                     | 45.4  |           | 0.50 | 4.00 | 5.00       | ug/L  |
| 85-68-7    | Butylbenzylphthalate       | 48.1  |           | 1.90 | 4.00 | 5.00       | ug/L  |
| 91-94-1    | 3,3-Dichlorobenzidine      | 40.5  |           | 0.93 | 8.00 | 10.0       | ug/L  |
| 56-55-3    | Benzo(a)anthracene         | 43.2  |           | 0.45 | 4.00 | 5.00       | ug/L  |
| 218-01-9   | Chrysene                   | 45.1  |           | 0.44 | 4.00 | 5.00       | ug/L  |
| 117-81-7   | Bis(2-ethylhexyl)phthalate | 46.0  |           | 1.60 | 4.00 | 5.00       | ug/L  |
| 117-84-0   | Di-n-octyl phthalate       | 45.7  |           | 2.30 | 8.00 | 10.0       | ug/L  |
| 205-99-2   | Benzo(b)fluoranthene       | 44.6  |           | 0.49 | 4.00 | 5.00       | ug/L  |

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| Sample Wt/Vol:     | 1000 Units: mL          | Final Vol:      | 1000 uL          |
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| Extraction Type :  | Decanted : N            | Level :         | LOW              |
| Injection Volume : | GPC Factor : 1.0        | GPC Cleanup :   | N PH :           |
| Prep Method :      |                         |                 |                  |

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|-------------------|-----------|----------------|----------------|---------------|
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| BF143500.D        | 1         | 08/12/25 09:55 | 08/20/25 23:03 | PB169223      |

| CAS Number                | Parameter                  | Conc.  | Qualifier | MDL      | LOD  | LOQ / CRQL | Units    |
|---------------------------|----------------------------|--------|-----------|----------|------|------------|----------|
| 207-08-9                  | Benzo(k)fluoranthene       | 44.1   |           | 0.48     | 4.00 | 5.00       | ug/L     |
| 50-32-8                   | Benzo(a)pyrene             | 46.9   |           | 0.55     | 4.00 | 5.00       | ug/L     |
| 193-39-5                  | Indeno(1,2,3-cd)pyrene     | 46.5   |           | 0.59     | 4.00 | 5.00       | ug/L     |
| 53-70-3                   | Dibenzo(a,h)anthracene     | 47.6   |           | 0.67     | 4.00 | 5.00       | ug/L     |
| 191-24-2                  | Benzo(g,h,i)perylene       | 47.1   |           | 0.69     | 4.00 | 5.00       | ug/L     |
| 95-94-3                   | 1,2,4,5-Tetrachlorobenzene | 42.1   |           | 0.52     | 4.00 | 5.00       | ug/L     |
| 123-91-1                  | 1,4-Dioxane                | 34.2   |           | 1.00     | 4.00 | 5.00       | ug/L     |
| 58-90-2                   | 2,3,4,6-Tetrachlorophenol  | 49.3   |           | 0.72     | 4.00 | 5.00       | ug/L     |
| <b>SURROGATES</b>         |                            |        |           |          |      |            |          |
| 367-12-4                  | 2-Fluorophenol             | 112    |           | 19 - 119 |      | 75%        | SPK: 150 |
| 13127-88-3                | Phenol-d6                  | 114    |           | 10 - 130 |      | 76%        | SPK: 150 |
| 4165-60-0                 | Nitrobenzene-d5            | 84.1   |           | 44 - 120 |      | 84%        | SPK: 100 |
| 321-60-8                  | 2-Fluorobiphenyl           | 82.9   |           | 44 - 119 |      | 83%        | SPK: 100 |
| 118-79-6                  | 2,4,6-Tribromophenol       | 128    |           | 43 - 140 |      | 85%        | SPK: 150 |
| 1718-51-0                 | Terphenyl-d14              | 91.9   |           | 50 - 134 |      | 92%        | SPK: 100 |
| <b>INTERNAL STANDARDS</b> |                            |        |           |          |      |            |          |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4     | 131000 | 6.928     |          |      |            |          |
| 1146-65-2                 | Naphthalene-d8             | 493000 | 8.21      |          |      |            |          |
| 15067-26-2                | Acenaphthene-d10           | 270000 | 9.969     |          |      |            |          |
| 1517-22-2                 | Phenanthrene-d10           | 417000 | 11.457    |          |      |            |          |
| 1719-03-5                 | Chrysene-d12               | 228000 | 14.098    |          |      |            |          |
| 1520-96-3                 | Perylene-d12               | 266000 | 15.592    |          |      |            |          |

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products