

## Report of Analysis

|                    |                         |                 |                  |
|--------------------|-------------------------|-----------------|------------------|
| Client:            | First Environment, Inc. | Date Collected: | 08/05/25         |
| Project:           | USACE018-44 DOD         | Date Received:  | 08/08/25         |
| Client Sample ID:  | TW-518R-S               | SDG No.:        | Q2814            |
| Lab Sample ID:     | Q2814-17                | Matrix:         | Water            |
| Analytical Method: | 8270E                   | % Solid:        | 0                |
| Sample Wt/Vol:     | 990                     | Units:          | mL               |
| Soil Aliquot Vol:  |                         |                 | uL               |
| Extraction Type :  |                         | Decanted :      | N                |
| Injection Volume : |                         | GPC Factor :    | 1.0              |
| Prep Method :      |                         | Level :         | LOW              |
|                    |                         | Final Vol:      | 1000             |
|                    |                         | Test:           | SVOC-TCL BNA -20 |
|                    |                         | GPC Cleanup :   | N                |
|                    |                         | PH :            |                  |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BP025429.D        | 1         | 08/12/25 09:55 | 08/15/25 16:12 | PB169223      |

| CAS Number     | Parameter                   | Conc. | Qualifier | MDL  | LOD  | LOQ / CRQL | Units |
|----------------|-----------------------------|-------|-----------|------|------|------------|-------|
| <b>TARGETS</b> |                             |       |           |      |      |            |       |
| 100-52-7       | Benzaldehyde                | 8.10  | U         | 3.90 | 8.10 | 10.1       | ug/L  |
| 108-95-2       | Phenol                      | 4.00  | U         | 0.92 | 4.00 | 5.10       | ug/L  |
| 111-44-4       | bis(2-Chloroethyl)ether     | 4.00  | U         | 0.82 | 4.00 | 5.10       | ug/L  |
| 95-57-8        | 2-Chlorophenol              | 4.00  | U         | 0.59 | 4.00 | 5.10       | ug/L  |
| 95-48-7        | 2-Methylphenol              | 4.00  | U         | 1.10 | 4.00 | 5.10       | ug/L  |
| 108-60-1       | 2,2-oxybis(1-Chloropropane) | 4.00  | U         | 1.30 | 4.00 | 5.10       | ug/L  |
| 98-86-2        | Acetophenone                | 4.00  | U         | 0.75 | 4.00 | 5.10       | ug/L  |
| 65794-96-9     | 3+4-Methylphenols           | 8.10  | U         | 1.10 | 8.10 | 10.1       | ug/L  |
| 621-64-7       | n-Nitroso-di-n-propylamine  | 2.50  | U         | 1.40 | 2.50 | 2.50       | ug/L  |
| 67-72-1        | Hexachloroethane            | 4.00  | U         | 0.66 | 4.00 | 5.10       | ug/L  |
| 98-95-3        | Nitrobenzene                | 4.00  | U         | 0.77 | 4.00 | 5.10       | ug/L  |
| 78-59-1        | Isophorone                  | 4.00  | U         | 0.76 | 4.00 | 5.10       | ug/L  |
| 88-75-5        | 2-Nitrophenol               | 4.00  | U         | 1.80 | 4.00 | 5.10       | ug/L  |
| 105-67-9       | 2,4-Dimethylphenol          | 4.00  | U         | 1.90 | 4.00 | 5.10       | ug/L  |
| 111-91-1       | bis(2-Chloroethoxy)methane  | 4.00  | U         | 0.69 | 4.00 | 5.10       | ug/L  |
| 120-83-2       | 2,4-Dichlorophenol          | 4.00  | U         | 0.53 | 4.00 | 5.10       | ug/L  |
| 91-20-3        | Naphthalene                 | 4.00  | U         | 0.51 | 4.00 | 5.10       | ug/L  |
| 106-47-8       | 4-Chloroaniline             | 4.00  | U         | 0.85 | 4.00 | 5.10       | ug/L  |
| 87-68-3        | Hexachlorobutadiene         | 4.00  | U         | 0.55 | 4.00 | 5.10       | ug/L  |
| 105-60-2       | Caprolactam                 | 8.10  | U         | 1.10 | 8.10 | 10.1       | ug/L  |
| 59-50-7        | 4-Chloro-3-methylphenol     | 4.00  | U         | 0.60 | 4.00 | 5.10       | ug/L  |
| 91-57-6        | 2-Methylnaphthalene         | 4.00  | U         | 0.57 | 4.00 | 5.10       | ug/L  |
| 77-47-4        | Hexachlorocyclopentadiene   | 8.10  | U         | 3.70 | 8.10 | 10.1       | ug/L  |
| 88-06-2        | 2,4,6-Trichlorophenol       | 4.00  | U         | 0.52 | 4.00 | 5.10       | ug/L  |
| 95-95-4        | 2,4,5-Trichlorophenol       | 4.00  | U         | 0.63 | 4.00 | 5.10       | ug/L  |
| 92-52-4        | 1,1-Biphenyl                | 4.00  | U         | 0.54 | 4.00 | 5.10       | ug/L  |
| 91-58-7        | 2-Chloronaphthalene         | 4.00  | U         | 0.62 | 4.00 | 5.10       | ug/L  |
| 88-74-4        | 2-Nitroaniline              | 4.00  | U         | 1.30 | 4.00 | 5.10       | ug/L  |
| 131-11-3       | Dimethylphthalate           | 4.00  | U         | 0.62 | 4.00 | 5.10       | ug/L  |

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| Client Sample ID:  | TW-518R-S               | SDG No.:        | Q2814            |
| Lab Sample ID:     | Q2814-17                | Matrix:         | Water            |
| Analytical Method: | 8270E                   | % Solid:        | 0                |
| Sample Wt/Vol:     | 990      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 |
| BP025429.D        | 1         | 08/12/25 09:55 | 08/15/25 16:12 | PB169223      |

| CAS Number | Parameter                  | Conc. | Qualifier | MDL  | LOD  | LOQ / CRQL | Units |
|------------|----------------------------|-------|-----------|------|------|------------|-------|
| 208-96-8   | Acenaphthylene             | 4.00  | U         | 0.76 | 4.00 | 5.10       | ug/L  |
| 606-20-2   | 2,6-Dinitrotoluene         | 4.00  | U         | 0.93 | 4.00 | 5.10       | ug/L  |
| 99-09-2    | 3-Nitroaniline             | 4.00  | U         | 1.10 | 4.00 | 5.10       | ug/L  |
| 83-32-9    | Acenaphthene               | 4.00  | U         | 0.56 | 4.00 | 5.10       | ug/L  |
| 51-28-5    | 2,4-Dinitrophenol          | 8.10  | U         | 6.00 | 8.10 | 10.1       | ug/L  |
| 100-02-7   | 4-Nitrophenol              | 8.10  | U         | 2.40 | 8.10 | 10.1       | ug/L  |
| 132-64-9   | Dibenzofuran               | 4.00  | U         | 0.62 | 4.00 | 5.10       | ug/L  |
| 121-14-2   | 2,4-Dinitrotoluene         | 4.00  | U         | 1.20 | 4.00 | 5.10       | ug/L  |
| 84-66-2    | Diethylphthalate           | 4.00  | U         | 0.70 | 4.00 | 5.10       | ug/L  |
| 7005-72-3  | 4-Chlorophenyl-phenylether | 4.00  | U         | 0.69 | 4.00 | 5.10       | ug/L  |
| 86-73-7    | Fluorene                   | 4.00  | U         | 0.64 | 4.00 | 5.10       | ug/L  |
| 100-01-6   | 4-Nitroaniline             | 4.00  | U         | 1.50 | 4.00 | 5.10       | ug/L  |
| 534-52-1   | 4,6-Dinitro-2-methylphenol | 8.10  | U         | 2.90 | 8.10 | 10.1       | ug/L  |
| 86-30-6    | n-Nitrosodiphenylamine     | 4.00  | U         | 0.59 | 4.00 | 5.10       | ug/L  |
| 101-55-3   | 4-Bromophenyl-phenylether  | 4.00  | U         | 0.40 | 4.00 | 5.10       | ug/L  |
| 118-74-1   | Hexachlorobenzene          | 4.00  | U         | 0.53 | 4.00 | 5.10       | ug/L  |
| 1912-24-9  | Atrazine                   | 4.00  | U         | 1.00 | 4.00 | 5.10       | ug/L  |
| 87-86-5    | Pentachlorophenol          | 8.10  | U         | 1.60 | 8.10 | 10.1       | ug/L  |
| 85-01-8    | Phenanthrene               | 4.00  | U         | 0.51 | 4.00 | 5.10       | ug/L  |
| 120-12-7   | Anthracene                 | 4.00  | U         | 0.62 | 4.00 | 5.10       | ug/L  |
| 86-74-8    | Carbazole                  | 4.00  | U         | 0.73 | 4.00 | 5.10       | ug/L  |
| 84-74-2    | Di-n-butylphthalate        | 4.00  | U         | 1.20 | 4.00 | 5.10       | ug/L  |
| 206-44-0   | Fluoranthene               | 4.00  | U         | 0.83 | 4.00 | 5.10       | ug/L  |
| 129-00-0   | Pyrene                     | 4.00  | U         | 0.51 | 4.00 | 5.10       | ug/L  |
| 85-68-7    | Butylbenzylphthalate       | 4.00  | U         | 1.90 | 4.00 | 5.10       | ug/L  |
| 91-94-1    | 3,3-Dichlorobenzidine      | 8.10  | U         | 0.94 | 8.10 | 10.1       | ug/L  |
| 56-55-3    | Benzo(a)anthracene         | 4.00  | U         | 0.45 | 4.00 | 5.10       | ug/L  |
| 218-01-9   | Chrysene                   | 4.00  | U         | 0.44 | 4.00 | 5.10       | ug/L  |
| 117-81-7   | Bis(2-ethylhexyl)phthalate | 6.30  |           | 1.60 | 4.00 | 5.10       | ug/L  |
| 117-84-0   | Di-n-octyl phthalate       | 8.10  | U         | 2.40 | 8.10 | 10.1       | ug/L  |
| 205-99-2   | Benzo(b)fluoranthene       | 4.00  | U         | 0.49 | 4.00 | 5.10       | ug/L  |

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| Client Sample ID:  | TW-518R-S               | SDG No.:        | Q2814            |
| Lab Sample ID:     | Q2814-17                | Matrix:         | Water            |
| Analytical Method: | 8270E                   | % Solid:        | 0                |
| Sample Wt/Vol:     | 990 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 |
| BP025429.D        | 1         | 08/12/25 09:55 | 08/15/25 16:12 | PB169223      |

| CAS Number | Parameter                  | Conc. | Qualifier | MDL  | LOD  | LOQ / CRQL | Units |
|------------|----------------------------|-------|-----------|------|------|------------|-------|
| 207-08-9   | Benzo(k)fluoranthene       | 4.00  | U         | 0.48 | 4.00 | 5.10       | ug/L  |
| 50-32-8    | Benzo(a)pyrene             | 4.00  | U         | 0.56 | 4.00 | 5.10       | ug/L  |
| 193-39-5   | Indeno(1,2,3-cd)pyrene     | 4.00  | U         | 0.60 | 4.00 | 5.10       | ug/L  |
| 53-70-3    | Dibenzo(a,h)anthracene     | 4.00  | U         | 0.68 | 4.00 | 5.10       | ug/L  |
| 191-24-2   | Benzo(g,h,i)perylene       | 4.00  | U         | 0.70 | 4.00 | 5.10       | ug/L  |
| 95-94-3    | 1,2,4,5-Tetrachlorobenzene | 4.00  | U         | 0.53 | 4.00 | 5.10       | ug/L  |
| 123-91-1   | 1,4-Dioxane                | 4.00  | UQ        | 1.00 | 4.00 | 5.10       | ug/L  |
| 58-90-2    | 2,3,4,6-Tetrachlorophenol  | 4.00  | U         | 0.73 | 4.00 | 5.10       | ug/L  |

### SURROGATES

|            |                      |      |  |          |  |     |          |
|------------|----------------------|------|--|----------|--|-----|----------|
| 367-12-4   | 2-Fluorophenol       | 73.3 |  | 19 - 119 |  | 49% | SPK: 150 |
| 13127-88-3 | Phenol-d6            | 57.5 |  | 10 - 130 |  | 38% | SPK: 150 |
| 4165-60-0  | Nitrobenzene-d5      | 73.2 |  | 44 - 120 |  | 73% | SPK: 100 |
| 321-60-8   | 2-Fluorobiphenyl     | 67.6 |  | 44 - 119 |  | 68% | SPK: 100 |
| 118-79-6   | 2,4,6-Tribromophenol | 114  |  | 43 - 140 |  | 76% | SPK: 150 |
| 1718-51-0  | Terphenyl-d14        | 65.2 |  | 50 - 134 |  | 65% | SPK: 100 |

### INTERNAL STANDARDS

|            |                        |        |        |  |
|------------|------------------------|--------|--------|--|
| 3855-82-1  | 1,4-Dichlorobenzene-d4 | 139000 | 7.784  |  |
| 1146-65-2  | Naphthalene-d8         | 566000 | 10.548 |  |
| 15067-26-2 | Acenaphthene-d10       | 379000 | 14.395 |  |
| 1517-22-2  | Phenanthrene-d10       | 746000 | 17.195 |  |
| 1719-03-5  | Chrysene-d12           | 804000 | 21.624 |  |
| 1520-96-3  | Perylene-d12           | 897000 | 24.983 |  |

### TENTATIVE IDENTIFIED COMPOUNDS

|             |                                    |      |    |  |      |      |
|-------------|------------------------------------|------|----|--|------|------|
| 000994-05-8 | Butane, 2-methoxy-2-methyl-        | 73.3 | JB |  | 3.04 | ug/L |
| 000123-42-2 | 2-Pentanone, 4-hydroxy-4-methyl-   | 5.80 | AB |  | 4.94 | ug/L |
| 000119-61-9 | Benzophenone                       | 7.10 | J  |  | 15.8 | ug/L |
| 001008-91-9 | 1-(4-Pyridinyl)piperazine          | 5.80 | J  |  | 16.2 | ug/L |
| 000140-66-9 | Phenol, 4-(1,1,3,3-tetramethylbuty | 8.20 | J  |  | 16.3 | ug/L |
|             | unknown16.331                      | 13.6 | J  |  | 16.3 | ug/L |
| 024518-48-7 | 4-(7-Methyloctyl)phenol            | 8.90 | J  |  | 16.4 | ug/L |

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| Client Sample ID:  | TW-518R-S               | SDG No.:        | Q2814            |
| Lab Sample ID:     | Q2814-17                | Matrix:         | Water            |
| Analytical Method: | 8270E                   | % Solid:        | 0                |
| Sample Wt/Vol:     | 990 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 |
| BP025429.D        | 1         | 08/12/25 09:55 | 08/15/25 16:12 | PB169223      |

| CAS Number   | Parameter                          | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|--------------|------------------------------------|-------|-----------|-----|-----|------------|-------|
|              | unknown16.436                      | 7.60  | J         |     |     | 16.4       | ug/L  |
|              | unknown16.483                      | 5.70  | J         |     |     | 16.5       | ug/L  |
| 002050-44-4  | Acetamide, N-(2,5-dimethylphenyl)- | 4.90  | J         |     |     | 16.5       | ug/L  |
| 1000244-21-4 | 5H-Pyrrolo(3,2-d)pyrimidine-2,4-di | 14.0  | J         |     |     | 16.6       | ug/L  |
| 1000384-80-3 | 4-(1,1-Dimethylheptyl)phenol       | 8.40  | J         |     |     | 16.7       | ug/L  |
| 000537-92-8  | Acetamide, N-(3-methylphenyl)-     | 3.20  | J         |     |     | 16.7       | ug/L  |
| 005142-22-3  | 6-Amino-1-methylpurine             | 5.10  | J         |     |     | 16.7       | ug/L  |
| 000057-10-3  | n-Hexadecanoic acid                | 10.6  | J         |     |     | 18.1       | ug/L  |
| 000124-28-7  | Dimantine                          | 5.50  | J         |     |     | 19.2       | ug/L  |
| 000057-11-4  | Octadecanoic acid                  | 5.20  | J         |     |     | 19.5       | ug/L  |
| 002136-70-1  | Ethanol, 2-(tetradecyloxy)-        | 6.50  | J         |     |     | 21.3       | ug/L  |
| 000630-01-3  | Hexacosane                         | 2.50  | J         |     |     | 22.5       | ug/L  |
| 007683-64-9  | Supraene                           | 2.40  | J         |     |     | 23.5       | ug/L  |

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