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

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-N	SDG No.:	Q2814
Lab Sample ID:	Q2814-18	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	980 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
BP025430.D	1	08/12/25 09:55	08/15/25 16:54	PB169223

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
100-52-7	Benzaldehyde	8.20	U	4.00	8.20	10.2	ug/L
108-95-2	Phenol	4.10	U	0.93	4.10	5.10	ug/L
111-44-4	bis(2-Chloroethyl)ether	4.10	U	0.83	4.10	5.10	ug/L
95-57-8	2-Chlorophenol	4.10	U	0.59	4.10	5.10	ug/L
95-48-7	2-Methylphenol	4.10	U	1.10	4.10	5.10	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	4.10	U	1.30	4.10	5.10	ug/L
98-86-2	Acetophenone	4.10	U	0.76	4.10	5.10	ug/L
65794-96-9	3+4-Methylphenols	8.20	U	1.10	8.20	10.2	ug/L
621-64-7	n-Nitroso-di-n-propylamine	2.60	U	1.40	2.60	2.60	ug/L
67-72-1	Hexachloroethane	4.10	U	0.66	4.10	5.10	ug/L
98-95-3	Nitrobenzene	4.10	U	0.78	4.10	5.10	ug/L
78-59-1	Isophorone	4.10	U	0.77	4.10	5.10	ug/L
88-75-5	2-Nitrophenol	4.10	U	1.80	4.10	5.10	ug/L
105-67-9	2,4-Dimethylphenol	4.10	U	1.90	4.10	5.10	ug/L
111-91-1	bis(2-Chloroethoxy)methane	4.10	U	0.69	4.10	5.10	ug/L
120-83-2	2,4-Dichlorophenol	4.10	U	0.53	4.10	5.10	ug/L
91-20-3	Naphthalene	4.10	U	0.51	4.10	5.10	ug/L
106-47-8	4-Chloroaniline	4.10	U	0.86	4.10	5.10	ug/L
87-68-3	Hexachlorobutadiene	4.10	U	0.55	4.10	5.10	ug/L
105-60-2	Caprolactam	8.20	U	1.20	8.20	10.2	ug/L
59-50-7	4-Chloro-3-methylphenol	4.10	U	0.60	4.10	5.10	ug/L
91-57-6	2-Methylnaphthalene	4.10	U	0.57	4.10	5.10	ug/L
77-47-4	Hexachlorocyclopentadiene	8.20	U	3.70	8.20	10.2	ug/L
88-06-2	2,4,6-Trichlorophenol	4.10	U	0.52	4.10	5.10	ug/L
95-95-4	2,4,5-Trichlorophenol	4.10	U	0.63	4.10	5.10	ug/L
92-52-4	1,1-Biphenyl	4.10	U	0.54	4.10	5.10	ug/L
91-58-7	2-Chloronaphthalene	4.10	U	0.62	4.10	5.10	ug/L
88-74-4	2-Nitroaniline	4.10	U	1.30	4.10	5.10	ug/L
131-11-3	Dimethylphthalate	4.10	U	0.62	4.10	5.10	ug/L

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Lab Sample ID:	Q2814-18	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	980 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
BP025430.D	1	08/12/25 09:55	08/15/25 16:54	PB169223

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
208-96-8	Acenaphthylene	4.10	U	0.77	4.10	5.10	ug/L
606-20-2	2,6-Dinitrotoluene	4.10	U	0.94	4.10	5.10	ug/L
99-09-2	3-Nitroaniline	4.10	U	1.10	4.10	5.10	ug/L
83-32-9	Acenaphthene	4.10	U	0.56	4.10	5.10	ug/L
51-28-5	2,4-Dinitrophenol	8.20	U	6.10	8.20	10.2	ug/L
100-02-7	4-Nitrophenol	8.20	U	2.40	8.20	10.2	ug/L
132-64-9	Dibenzofuran	4.10	U	0.62	4.10	5.10	ug/L
121-14-2	2,4-Dinitrotoluene	4.10	U	1.20	4.10	5.10	ug/L
84-66-2	Diethylphthalate	4.10	U	0.70	4.10	5.10	ug/L
7005-72-3	4-Chlorophenyl-phenylether	4.10	U	0.69	4.10	5.10	ug/L
86-73-7	Fluorene	4.10	U	0.64	4.10	5.10	ug/L
100-01-6	4-Nitroaniline	4.10	U	1.50	4.10	5.10	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	8.20	U	2.90	8.20	10.2	ug/L
86-30-6	n-Nitrosodiphenylamine	4.10	U	0.59	4.10	5.10	ug/L
101-55-3	4-Bromophenyl-phenylether	4.10	U	0.41	4.10	5.10	ug/L
118-74-1	Hexachlorobenzene	4.10	U	0.53	4.10	5.10	ug/L
1912-24-9	Atrazine	4.10	U	1.00	4.10	5.10	ug/L
87-86-5	Pentachlorophenol	8.20	U	1.60	8.20	10.2	ug/L
85-01-8	Phenanthrene	4.10	U	0.51	4.10	5.10	ug/L
120-12-7	Anthracene	4.10	U	0.62	4.10	5.10	ug/L
86-74-8	Carbazole	4.10	U	0.73	4.10	5.10	ug/L
84-74-2	Di-n-butylphthalate	4.10	U	1.20	4.10	5.10	ug/L
206-44-0	Fluoranthene	4.10	U	0.84	4.10	5.10	ug/L
129-00-0	Pyrene	4.10	U	0.51	4.10	5.10	ug/L
85-68-7	Butylbenzylphthalate	4.10	U	2.00	4.10	5.10	ug/L
91-94-1	3,3-Dichlorobenzidine	8.20	U	0.95	8.20	10.2	ug/L
56-55-3	Benzo(a)anthracene	4.10	U	0.46	4.10	5.10	ug/L
218-01-9	Chrysene	4.10	U	0.45	4.10	5.10	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	4.10	U	1.60	4.10	5.10	ug/L
117-84-0	Di-n-octyl phthalate	8.20	U	2.40	8.20	10.2	ug/L
205-99-2	Benzo(b)fluoranthene	4.10	U	0.50	4.10	5.10	ug/L

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Lab Sample ID:	Q2814-18	Matrix:	Water
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Sample Wt/Vol:	980 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 :
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BP025430.D	1	08/12/25 09:55	08/15/25 16:54	PB169223

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	4.10	U	0.49	4.10	5.10	ug/L
50-32-8	Benzo(a)pyrene	4.10	U	0.56	4.10	5.10	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	4.10	U	0.60	4.10	5.10	ug/L
53-70-3	Dibenzo(a,h)anthracene	4.10	U	0.68	4.10	5.10	ug/L
191-24-2	Benzo(g,h,i)perylene	4.10	U	0.70	4.10	5.10	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	4.10	U	0.53	4.10	5.10	ug/L
123-91-1	1,4-Dioxane	4.10	UQ	1.00	4.10	5.10	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	4.10	U	0.73	4.10	5.10	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	52.9		19 - 119		35%	SPK: 150
13127-88-3	Phenol-d6	44.2		10 - 130		29%	SPK: 150
4165-60-0	Nitrobenzene-d5	46.5		44 - 120		46%	SPK: 100
321-60-8	2-Fluorobiphenyl	42.6	*	44 - 119		43%	SPK: 100
118-79-6	2,4,6-Tribromophenol	73.5		43 - 140		49%	SPK: 150
1718-51-0	Terphenyl-d14	44.6	*	50 - 134		45%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	145000	7.79				
1146-65-2	Naphthalene-d8	586000	10.554				
15067-26-2	Acenaphthene-d10	407000	14.407				
1517-22-2	Phenanthrene-d10	854000	17.195				
1719-03-5	Chrysene-d12	897000	21.642				
1520-96-3	Perylene-d12	1020000	25.007				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	82.5	JB			3.04	ug/L
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	7.00	AB			4.95	ug/L
	unknown10.049	3.20	J			10.0	ug/L
000119-61-9	Benzophenone	15.6	J			15.8	ug/L
000947-19-3	Methanone, (1-hydroxycyclohexyl)ph	2.50	J			16.4	ug/L
000057-10-3	n-Hexadecanoic acid	14.4	J			18.1	ug/L
032624-67-2	10,18-Bisnorabieta-8,11,13-triene	2.40	J			19.0	ug/L

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File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025430.D	1	08/12/25 09:55	08/15/25 16:54	PB169223

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
000060-33-3	9,12-Octadecadienoic acid (Z,Z)-	2.10	J			19.3	ug/L
002027-47-6	9-Octadecenoic acid	2.20	J			19.3	ug/L
000057-11-4	Octadecanoic acid	5.10	J			19.5	ug/L
000112-95-8	Eicosane	2.20	J			20.8	ug/L
001599-67-3	1-Docosene	12.6	J			21.3	ug/L
000646-31-1	Tetracosane	3.50	J			21.9	ug/L
000629-94-7	Heneicosane	4.40	J			22.6	ug/L
000629-92-5	Nonadecane	2.70	J			23.3	ug/L
000111-02-4	Squalene	3.80	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