Alliance TECHNICAL GROUP
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:	11M-N	SDG No.:	Q2819
Lab Sample ID:	Q2819-07	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	75.9
Sample Wt/Vol:	30.03 Units: g	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 :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143525.D	1	08/14/25 08:40	08/21/25 12:46	PB169242

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
100-52-7	Benzaldehyde	360	U	210	360	430	ug/Kg
108-95-2	Phenol	170	U	29.1	170	220	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	170	U	32.0	170	220	ug/Kg
95-57-8	2-Chlorophenol	170	U	32.1	170	220	ug/Kg
95-48-7	2-Methylphenol	170	U	39.4	170	220	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	170	U	49.4	170	220	ug/Kg
98-86-2	Acetophenone	170	U	38.8	170	220	ug/Kg
65794-96-9	3+4-Methylphenols	360	U	54.1	360	430	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	110	U	62.4	110	110	ug/Kg
67-72-1	Hexachloroethane	170	U	23.2	170	220	ug/Kg
98-95-3	Nitrobenzene	170	U	24.1	170	220	ug/Kg
78-59-1	Isophorone	170	U	43.2	170	220	ug/Kg
88-75-5	2-Nitrophenol	170	U	76.6	170	220	ug/Kg
105-67-9	2,4-Dimethylphenol	170	U	85.3	170	220	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	170	U	40.5	170	220	ug/Kg
120-83-2	2,4-Dichlorophenol	170	U	37.2	170	220	ug/Kg
91-20-3	Naphthalene	780		29.9	170	220	ug/Kg
106-47-8	4-Chloroaniline	170	U	46.6	170	220	ug/Kg
87-68-3	Hexachlorobutadiene	170	U	33.3	170	220	ug/Kg
105-60-2	Caprolactam	360	U	68.6	360	430	ug/Kg
59-50-7	4-Chloro-3-methylphenol	170	U	37.8	170	220	ug/Kg
91-57-6	2-Methylnaphthalene	280		33.7	170	220	ug/Kg
77-47-4	Hexachlorocyclopentadiene	360	U	150	360	430	ug/Kg
88-06-2	2,4,6-Trichlorophenol	170	U	26.1	170	220	ug/Kg
95-95-4	2,4,5-Trichlorophenol	170	U	38.3	170	220	ug/Kg
92-52-4	1,1-Biphenyl	170	U	28.7	170	220	ug/Kg
91-58-7	2-Chloronaphthalene	170	U	29.6	170	220	ug/Kg
88-74-4	2-Nitroaniline	170	U	63.3	170	220	ug/Kg
131-11-3	Dimethylphthalate	170	U	35.7	170	220	ug/Kg

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208-96-8	Acenaphthylene	170	U	38.0	170	220	ug/Kg
606-20-2	2,6-Dinitrotoluene	170	U	44.2	170	220	ug/Kg
99-09-2	3-Nitroaniline	170	U	60.5	170	220	ug/Kg
83-32-9	Acenaphthene	480		28.0	170	220	ug/Kg
51-28-5	2,4-Dinitrophenol	360	U	300	360	430	ug/Kg
100-02-7	4-Nitrophenol	360	U	140	360	430	ug/Kg
132-64-9	Dibenzofuran	460		29.9	170	220	ug/Kg
121-14-2	2,4-Dinitrotoluene	170	U	65.9	170	220	ug/Kg
84-66-2	Diethylphthalate	170	U	37.2	170	220	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	170	U	35.1	170	220	ug/Kg
86-73-7	Fluorene	610		33.3	170	220	ug/Kg
100-01-6	4-Nitroaniline	170	U	84.5	170	220	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	360	U	140	360	430	ug/Kg
86-30-6	n-Nitrosodiphenylamine	170	U	43.3	170	220	ug/Kg
101-55-3	4-Bromophenyl-phenylether	170	U	36.6	170	220	ug/Kg
118-74-1	Hexachlorobenzene	170	U	33.3	170	220	ug/Kg
1912-24-9	Atrazine	170	U	44.8	170	220	ug/Kg
87-86-5	Pentachlorophenol	360	U	67.5	360	430	ug/Kg
85-01-8	Phenanthrene	1600		27.5	170	220	ug/Kg
120-12-7	Anthracene	210	J	43.8	170	220	ug/Kg
86-74-8	Carbazole	510		41.1	170	220	ug/Kg
84-74-2	Di-n-butylphthalate	170	U	63.0	170	220	ug/Kg
206-44-0	Fluoranthene	730		39.5	170	220	ug/Kg
129-00-0	Pyrene	420		47.4	170	220	ug/Kg
85-68-7	Butylbenzylphthalate	170	U	94.0	170	220	ug/Kg
91-94-1	3,3-Dichlorobenzidine	360	U	48.3	360	430	ug/Kg
56-55-3	Benzo(a)anthracene	160	J	30.3	170	220	ug/Kg
218-01-9	Chrysene	140	J	26.2	170	220	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	170	U	77.9	170	220	ug/Kg
117-84-0	Di-n-octyl phthalate	360	U	110	360	430	ug/Kg
205-99-2	Benzo(b)fluoranthene	110	J	25.0	170	220	ug/Kg

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207-08-9	Benzo(k)fluoranthene	170	U	29.5	170	220	ug/Kg
50-32-8	Benzo(a)pyrene	170	U	38.8	170	220	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	170	U	38.3	170	220	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	170	U	36.1	170	220	ug/Kg
191-24-2	Benzo(g,h,i)perylene	170	U	33.8	170	220	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	170	U	33.7	170	220	ug/Kg
123-91-1	1,4-Dioxane	170	UQ	59.5	170	220	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	170	U	36.1	170	220	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	84.9		35 - 115		57%	SPK: 150
13127-88-3	Phenol-d6	86.5		34 - 127		58%	SPK: 150
4165-60-0	Nitrobenzene-d5	62.8		37 - 122		63%	SPK: 100
321-60-8	2-Fluorobiphenyl	56.6		44 - 115		57%	SPK: 100
118-79-6	2,4,6-Tribromophenol	77.3		39 - 132		52%	SPK: 150
1718-51-0	Terphenyl-d14	50.5	*	54 - 127		50%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	119000	6.928				
1146-65-2	Naphthalene-d8	450000	8.204				
15067-26-2	Acenaphthene-d10	235000	9.963				
1517-22-2	Phenanthrene-d10	338000	11.451				
1719-03-5	Chrysene-d12	208000	14.092				
1520-96-3	Perylene-d12	262000	15.592				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	1600	J			2.27	ug/Kg
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	280	AB			5.16	ug/Kg
90-12-0	1-Methylnaphthalene	190	J			9.02	ug/Kg
000575-41-7	Naphthalene, 1,3-dimethyl-	160	J			9.62	ug/Kg
000644-08-6	1,1-Biphenyl, 4-methyl-	94.3	J			10.6	ug/Kg
000119-61-9	Benzophenone	300	J			10.7	ug/Kg
002235-15-6	1(2H)-Acenaphthylenone	130	J			10.9	ug/Kg

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001730-37-6	9H-Fluorene, 1-methyl-	110	J			11.1	ug/Kg
000132-65-0	Dibenzothiophene	140	J			11.3	ug/Kg
002531-84-2	Phenanthrene, 2-methyl-	110	J			12.0	ug/Kg
000613-12-7	Anthracene, 2-methyl-	180	J			12.0	ug/Kg
000203-64-5	4H-Cyclopenta[def]phenanthrene	280	J			12.1	ug/Kg
033543-31-6	Fluoranthene, 2-methyl-	120	J			13.2	ug/Kg
000123-95-5	Octadecanoic acid, butyl ester	100	JB			13.6	ug/Kg

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