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-E	SDG No.:	Q2819
Lab Sample ID:	Q2819-08	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	71.8
Sample Wt/Vol:	30.05 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
BF143526.D	1	08/14/25 08:40	08/21/25 13:15	PB169242

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
100-52-7	Benzaldehyde	380	U	220	380	460	ug/Kg
108-95-2	Phenol	180	U	30.7	180	240	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	180	U	33.8	180	240	ug/Kg
95-57-8	2-Chlorophenol	180	U	33.9	180	240	ug/Kg
95-48-7	2-Methylphenol	180	U	41.6	180	240	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	180	U	52.1	180	240	ug/Kg
98-86-2	Acetophenone	180	U	41.0	180	240	ug/Kg
65794-96-9	3+4-Methylphenols	380	U	57.1	380	460	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	110	U	65.9	110	110	ug/Kg
67-72-1	Hexachloroethane	180	U	24.5	180	240	ug/Kg
98-95-3	Nitrobenzene	180	U	25.4	180	240	ug/Kg
78-59-1	Isophorone	180	U	45.6	180	240	ug/Kg
88-75-5	2-Nitrophenol	180	U	80.9	180	240	ug/Kg
105-67-9	2,4-Dimethylphenol	180	U	90.1	180	240	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	180	U	42.8	180	240	ug/Kg
120-83-2	2,4-Dichlorophenol	180	U	39.3	180	240	ug/Kg
91-20-3	Naphthalene	180	U	31.6	180	240	ug/Kg
106-47-8	4-Chloroaniline	180	U	49.2	180	240	ug/Kg
87-68-3	Hexachlorobutadiene	180	U	35.2	180	240	ug/Kg
105-60-2	Caprolactam	380	U	72.4	380	460	ug/Kg
59-50-7	4-Chloro-3-methylphenol	180	U	39.9	180	240	ug/Kg
91-57-6	2-Methylnaphthalene	180	U	35.6	180	240	ug/Kg
77-47-4	Hexachlorocyclopentadiene	380	U	160	380	460	ug/Kg
88-06-2	2,4,6-Trichlorophenol	180	U	27.5	180	240	ug/Kg
95-95-4	2,4,5-Trichlorophenol	180	U	40.5	180	240	ug/Kg
92-52-4	1,1-Biphenyl	180	U	30.3	180	240	ug/Kg
91-58-7	2-Chloronaphthalene	180	U	31.3	180	240	ug/Kg
88-74-4	2-Nitroaniline	180	U	66.9	180	240	ug/Kg
131-11-3	Dimethylphthalate	180	U	37.7	180	240	ug/Kg

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208-96-8	Acenaphthylene	180	U	40.2	180	240	ug/Kg
606-20-2	2,6-Dinitrotoluene	180	U	46.7	180	240	ug/Kg
99-09-2	3-Nitroaniline	180	U	64.0	180	240	ug/Kg
83-32-9	Acenaphthene	180	U	29.6	180	240	ug/Kg
51-28-5	2,4-Dinitrophenol	380	U	320	380	460	ug/Kg
100-02-7	4-Nitrophenol	380	U	150	380	460	ug/Kg
132-64-9	Dibenzofuran	180	U	31.6	180	240	ug/Kg
121-14-2	2,4-Dinitrotoluene	180	U	69.7	180	240	ug/Kg
84-66-2	Diethylphthalate	180	U	39.3	180	240	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	180	U	37.1	180	240	ug/Kg
86-73-7	Fluorene	180	U	35.2	180	240	ug/Kg
100-01-6	4-Nitroaniline	180	U	89.3	180	240	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	380	U	140	380	460	ug/Kg
86-30-6	n-Nitrosodiphenylamine	180	U	45.7	180	240	ug/Kg
101-55-3	4-Bromophenyl-phenylether	180	U	38.7	180	240	ug/Kg
118-74-1	Hexachlorobenzene	180	U	35.2	180	240	ug/Kg
1912-24-9	Atrazine	180	U	47.3	180	240	ug/Kg
87-86-5	Pentachlorophenol	380	U	71.3	380	460	ug/Kg
85-01-8	Phenanthrene	210	J	29.1	180	240	ug/Kg
120-12-7	Anthracene	180	U	46.3	180	240	ug/Kg
86-74-8	Carbazole	180	U	43.4	180	240	ug/Kg
84-74-2	Di-n-butylphthalate	180	U	66.6	180	240	ug/Kg
206-44-0	Fluoranthene	380		41.7	180	240	ug/Kg
129-00-0	Pyrene	260		50.1	180	240	ug/Kg
85-68-7	Butylbenzylphthalate	180	U	99.3	180	240	ug/Kg
91-94-1	3,3-Dichlorobenzidine	380	U	51.0	380	460	ug/Kg
56-55-3	Benzo(a)anthracene	180	J	32.0	180	240	ug/Kg
218-01-9	Chrysene	200	J	27.7	180	240	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	180	U	82.3	180	240	ug/Kg
117-84-0	Di-n-octyl phthalate	380	U	120	380	460	ug/Kg
205-99-2	Benzo(b)fluoranthene	240		26.4	180	240	ug/Kg

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207-08-9	Benzo(k)fluoranthene	93.9	J	31.1	180	240	ug/Kg
50-32-8	Benzo(a)pyrene	170	J	41.0	180	240	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	180	U	40.5	180	240	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	180	U	38.1	180	240	ug/Kg
191-24-2	Benzo(g,h,i)perylene	94.5	J	35.7	180	240	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	180	U	35.6	180	240	ug/Kg
123-91-1	1,4-Dioxane	180	UQ	62.8	180	240	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	180	U	38.1	180	240	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	59.8		35 - 115		40%	SPK: 150
13127-88-3	Phenol-d6	65.5		34 - 127		44%	SPK: 150
4165-60-0	Nitrobenzene-d5	43.3		37 - 122		43%	SPK: 100
321-60-8	2-Fluorobiphenyl	54.7		44 - 115		55%	SPK: 100
118-79-6	2,4,6-Tribromophenol	100.0		39 - 132		67%	SPK: 150
1718-51-0	Terphenyl-d14	60.2		54 - 127		60%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	122000	6.928				
1146-65-2	Naphthalene-d8	460000	8.204				
15067-26-2	Acenaphthene-d10	239000	9.963				
1517-22-2	Phenanthrene-d10	332000	11.451				
1719-03-5	Chrysene-d12	226000	14.092				
1520-96-3	Perylene-d12	280000	15.592				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	590	J			2.26	ug/Kg
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	330	AB			5.15	ug/Kg
000475-20-7	Longifolene	110	J			9.60	ug/Kg
000119-61-9	Benzophenone	240	J			10.7	ug/Kg
000511-15-9	2-Phenanthrenol, 4b,5,6,7,8,8a,9,1	160	J			13.5	ug/Kg
000123-95-5	Octadecanoic acid, butyl ester	100	JB			13.6	ug/Kg
000192-97-2	Benzo[e]pyrene	130	J			15.5	ug/Kg

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CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
000112-95-8	Eicosane	100	J			16.1	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