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:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	10P-S	SDG No.:	Q2820
Lab Sample ID:	Q2820-15	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	88.5
Sample Wt/Vol:	30.06 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
BP025541.D	2	08/13/25 09:05	08/21/25 15:37	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
100-52-7	Benzaldehyde	610	U	350	610	740	ug/Kg
108-95-2	Phenol	290	U	49.8	290	380	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	290	U	54.8	290	380	ug/Kg
95-57-8	2-Chlorophenol	290	U	55.0	290	380	ug/Kg
95-48-7	2-Methylphenol	290	U	67.4	290	380	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	290	U	84.6	290	380	ug/Kg
98-86-2	Acetophenone	290	U	66.5	290	380	ug/Kg
65794-96-9	3+4-Methylphenols	610	U	92.7	610	740	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	180	U	110	180	180	ug/Kg
67-72-1	Hexachloroethane	290	U	39.7	290	380	ug/Kg
98-95-3	Nitrobenzene	290	U	41.3	290	380	ug/Kg
78-59-1	Isophorone	290	U	74.0	290	380	ug/Kg
88-75-5	2-Nitrophenol	290	U	130	290	380	ug/Kg
105-67-9	2,4-Dimethylphenol	290	U	150	290	380	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	290	U	69.5	290	380	ug/Kg
120-83-2	2,4-Dichlorophenol	290	U	63.8	290	380	ug/Kg
91-20-3	Naphthalene	290	U	51.2	290	380	ug/Kg
106-47-8	4-Chloroaniline	290	U	79.8	290	380	ug/Kg
87-68-3	Hexachlorobutadiene	290	U	57.1	290	380	ug/Kg
105-60-2	Caprolactam	610	U	120	610	740	ug/Kg
59-50-7	4-Chloro-3-methylphenol	290	U	64.7	290	380	ug/Kg
91-57-6	2-Methylnaphthalene	290	U	57.7	290	380	ug/Kg
77-47-4	Hexachlorocyclopentadiene	610	U	260	610	740	ug/Kg
88-06-2	2,4,6-Trichlorophenol	290	U	44.7	290	380	ug/Kg
95-95-4	2,4,5-Trichlorophenol	290	U	65.6	290	380	ug/Kg
92-52-4	1,1-Biphenyl	290	U	49.2	290	380	ug/Kg
91-58-7	2-Chloronaphthalene	290	U	50.7	290	380	ug/Kg
88-74-4	2-Nitroaniline	290	U	110	290	380	ug/Kg
131-11-3	Dimethylphthalate	290	U	61.1	290	380	ug/Kg

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208-96-8	Acenaphthylene	290	U	65.2	290	380	ug/Kg
606-20-2	2,6-Dinitrotoluene	290	U	75.8	290	380	ug/Kg
99-09-2	3-Nitroaniline	290	U	100	290	380	ug/Kg
83-32-9	Acenaphthene	290	U	48.0	290	380	ug/Kg
51-28-5	2,4-Dinitrophenol	610	U	520	610	740	ug/Kg
100-02-7	4-Nitrophenol	610	U	240	610	740	ug/Kg
132-64-9	Dibenzofuran	290	U	51.2	290	380	ug/Kg
121-14-2	2,4-Dinitrotoluene	290	U	110	290	380	ug/Kg
84-66-2	Diethylphthalate	290	U	63.8	290	380	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	290	U	60.2	290	380	ug/Kg
86-73-7	Fluorene	290	U	57.1	290	380	ug/Kg
100-01-6	4-Nitroaniline	290	U	140	290	380	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	610	U	230	610	740	ug/Kg
86-30-6	n-Nitrosodiphenylamine	290	U	74.2	290	380	ug/Kg
101-55-3	4-Bromophenyl-phenylether	290	U	62.7	290	380	ug/Kg
118-74-1	Hexachlorobenzene	290	U	57.1	290	380	ug/Kg
1912-24-9	Atrazine	290	U	76.7	290	380	ug/Kg
87-86-5	Pentachlorophenol	610	U	120	610	740	ug/Kg
85-01-8	Phenanthrene	290	U	47.1	290	380	ug/Kg
120-12-7	Anthracene	290	U	75.1	290	380	ug/Kg
86-74-8	Carbazole	290	U	70.4	290	380	ug/Kg
84-74-2	Di-n-butylphthalate	290	U	110	290	380	ug/Kg
206-44-0	Fluoranthene	290	U	67.7	290	380	ug/Kg
129-00-0	Pyrene	290	U	81.2	290	380	ug/Kg
85-68-7	Butylbenzylphthalate	290	U	160	290	380	ug/Kg
91-94-1	3,3-Dichlorobenzidine	610	U	82.8	610	740	ug/Kg
56-55-3	Benzo(a)anthracene	290	U	51.9	290	380	ug/Kg
218-01-9	Chrysene	290	U	44.9	290	380	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	290	U	130	290	380	ug/Kg
117-84-0	Di-n-octyl phthalate	610	U	200	610	740	ug/Kg
205-99-2	Benzo(b)fluoranthene	290	U	42.9	290	380	ug/Kg

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207-08-9	Benzo(k)fluoranthene	290	U	50.5	290	380	ug/Kg
50-32-8	Benzo(a)pyrene	290	U	66.5	290	380	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	290	U	65.6	290	380	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	290	U	61.8	290	380	ug/Kg
191-24-2	Benzo(g,h,i)perylene	290	U	58.0	290	380	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	290	U	57.7	290	380	ug/Kg
123-91-1	1,4-Dioxane	290	U	100	290	380	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	290	U	61.8	290	380	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	99.3		35 - 115		66%	SPK: 150
13127-88-3	Phenol-d6	95.8		34 - 127		64%	SPK: 150
4165-60-0	Nitrobenzene-d5	70.0		37 - 122		70%	SPK: 100
321-60-8	2-Fluorobiphenyl	64.0		44 - 115		64%	SPK: 100
118-79-6	2,4,6-Tribromophenol	88.5		39 - 132		59%	SPK: 150
1718-51-0	Terphenyl-d14	55.5		54 - 127		55%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	242000	7.784				
1146-65-2	Naphthalene-d8	874000	10.56				
15067-26-2	Acenaphthene-d10	479000	14.395				
1517-22-2	Phenanthrene-d10	887000	17.201				
1719-03-5	Chrysene-d12	949000	21.654				
1520-96-3	Perylene-d12	1100000	25.036				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	440	J			3.04	ug/Kg
017302-27-1	Nonane, 2,5-dimethyl-	600	J			7.71	ug/Kg
031295-56-4	Dodecane, 2,6,11-trimethyl-	450	J			7.87	ug/Kg
017302-32-8	Nonane, 3,7-dimethyl-	440	J			7.98	ug/Kg
013151-35-4	Decane, 5-methyl-	600	J			8.31	ug/Kg
002847-72-5	Decane, 4-methyl-	490	J			8.37	ug/Kg
006975-98-0	Decane, 2-methyl-	650	J			8.45	ug/Kg

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013151-34-3	Decane, 3-methyl-	790	J			8.55	ug/Kg
001120-21-4	Undecane	1800	J			9.01	ug/Kg
1000309-21-8	Sulfurous acid, cyclohexylmethyl n	420	J			9.10	ug/Kg
	unknown9.137	550	J			9.14	ug/Kg
001632-70-8	Undecane, 5-methyl-	490	J			9.25	ug/Kg
017312-54-8	Decane, 3,7-dimethyl-	470	J			9.42	ug/Kg
002980-69-0	Undecane, 4-methyl-	390	J			9.91	ug/Kg
007045-71-8	Undecane, 2-methyl-	540	J			9.99	ug/Kg
017301-23-4	Undecane, 2,6-dimethyl-	530	J			10.7	ug/Kg
000057-10-3	n-Hexadecanoic acid	1100	J			18.1	ug/Kg
000506-17-2	cis-Vaccenic acid	4200	J			19.3	ug/Kg
000057-11-4	Octadecanoic acid	1300	J			19.5	ug/Kg
001740-19-8	Dehydroabietic acid	570	J			21.3	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