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:	84SB-E	SDG No.:	Q2819
Lab Sample ID:	Q2819-09	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	37.6
Sample Wt/Vol:	30.09 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
BP025518.D	1	08/14/25 08:40	08/20/25 22:32	PB169242

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
100-52-7	Benzaldehyde	720	U	410	720	880	ug/Kg
108-95-2	Phenol	340	U	58.6	340	450	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	340	U	64.4	340	450	ug/Kg
95-57-8	2-Chlorophenol	340	U	64.7	340	450	ug/Kg
95-48-7	2-Methylphenol	340	U	79.3	340	450	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	340	U	99.4	340	450	ug/Kg
98-86-2	Acetophenone	340	U	78.2	340	450	ug/Kg
65794-96-9	3+4-Methylphenols	720	U	110	720	880	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	210	U	130	210	210	ug/Kg
67-72-1	Hexachloroethane	340	U	46.7	340	450	ug/Kg
98-95-3	Nitrobenzene	340	U	48.5	340	450	ug/Kg
78-59-1	Isophorone	340	U	87.0	340	450	ug/Kg
88-75-5	2-Nitrophenol	340	U	150	340	450	ug/Kg
105-67-9	2,4-Dimethylphenol	340	U	170	340	450	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	340	U	81.7	340	450	ug/Kg
120-83-2	2,4-Dichlorophenol	340	U	75.0	340	450	ug/Kg
91-20-3	Naphthalene	340	U	60.2	340	450	ug/Kg
106-47-8	4-Chloroaniline	340	U	93.9	340	450	ug/Kg
87-68-3	Hexachlorobutadiene	340	U	67.1	340	450	ug/Kg
105-60-2	Caprolactam	720	U	140	720	880	ug/Kg
59-50-7	4-Chloro-3-methylphenol	340	U	76.1	340	450	ug/Kg
91-57-6	2-Methylnaphthalene	340	U	67.9	340	450	ug/Kg
77-47-4	Hexachlorocyclopentadiene	720	U	310	720	880	ug/Kg
88-06-2	2,4,6-Trichlorophenol	340	U	52.5	340	450	ug/Kg
95-95-4	2,4,5-Trichlorophenol	340	U	77.2	340	450	ug/Kg
92-52-4	1,1-Biphenyl	340	U	57.8	340	450	ug/Kg
91-58-7	2-Chloronaphthalene	340	U	59.7	340	450	ug/Kg
88-74-4	2-Nitroaniline	340	U	130	340	450	ug/Kg
131-11-3	Dimethylphthalate	340	U	71.9	340	450	ug/Kg

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208-96-8	Acenaphthylene	340	U	76.6	340	450	ug/Kg
606-20-2	2,6-Dinitrotoluene	340	U	89.1	340	450	ug/Kg
99-09-2	3-Nitroaniline	340	U	120	340	450	ug/Kg
83-32-9	Acenaphthene	340	U	56.5	340	450	ug/Kg
51-28-5	2,4-Dinitrophenol	720	U	610	720	880	ug/Kg
100-02-7	4-Nitrophenol	720	U	280	720	880	ug/Kg
132-64-9	Dibenzofuran	340	U	60.2	340	450	ug/Kg
121-14-2	2,4-Dinitrotoluene	340	U	130	340	450	ug/Kg
84-66-2	Diethylphthalate	340	U	75.0	340	450	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	340	U	70.8	340	450	ug/Kg
86-73-7	Fluorene	340	U	67.1	340	450	ug/Kg
100-01-6	4-Nitroaniline	340	U	170	340	450	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	720	U	270	720	880	ug/Kg
86-30-6	n-Nitrosodiphenylamine	340	U	87.2	340	450	ug/Kg
101-55-3	4-Bromophenyl-phenylether	340	U	73.7	340	450	ug/Kg
118-74-1	Hexachlorobenzene	340	U	67.1	340	450	ug/Kg
1912-24-9	Atrazine	340	U	90.2	340	450	ug/Kg
87-86-5	Pentachlorophenol	720	U	140	720	880	ug/Kg
85-01-8	Phenanthrene	340	U	55.4	340	450	ug/Kg
120-12-7	Anthracene	340	U	88.3	340	450	ug/Kg
86-74-8	Carbazole	340	U	82.7	340	450	ug/Kg
84-74-2	Di-n-butylphthalate	340	U	130	340	450	ug/Kg
206-44-0	Fluoranthene	340	U	79.5	340	450	ug/Kg
129-00-0	Pyrene	340	U	95.5	340	450	ug/Kg
85-68-7	Butylbenzylphthalate	340	U	190	340	450	ug/Kg
91-94-1	3,3-Dichlorobenzidine	720	U	97.3	720	880	ug/Kg
56-55-3	Benzo(a)anthracene	340	U	61.0	340	450	ug/Kg
218-01-9	Chrysene	340	U	52.8	340	450	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	340	U	160	340	450	ug/Kg
117-84-0	Di-n-octyl phthalate	720	U	230	720	880	ug/Kg
205-99-2	Benzo(b)fluoranthene	340	U	50.4	340	450	ug/Kg

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207-08-9	Benzo(k)fluoranthene	340	U	59.4	340	450	ug/Kg
50-32-8	Benzo(a)pyrene	340	U	78.2	340	450	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	340	U	77.2	340	450	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	340	U	72.7	340	450	ug/Kg
191-24-2	Benzo(g,h,i)perylene	340	U	68.1	340	450	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	340	U	67.9	340	450	ug/Kg
123-91-1	1,4-Dioxane	340	UQ	120	340	450	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	340	U	72.7	340	450	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	97.1		35 - 115		65%	SPK: 150
13127-88-3	Phenol-d6	93.3		34 - 127		62%	SPK: 150
4165-60-0	Nitrobenzene-d5	65.3		37 - 122		65%	SPK: 100
321-60-8	2-Fluorobiphenyl	55.4		44 - 115		55%	SPK: 100
118-79-6	2,4,6-Tribromophenol	98.0		39 - 132		65%	SPK: 150
1718-51-0	Terphenyl-d14	51.5	*	54 - 127		51%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	165000	7.784				
1146-65-2	Naphthalene-d8	629000	10.555				
15067-26-2	Acenaphthene-d10	393000	14.401				
1517-22-2	Phenanthrene-d10	801000	17.195				
1719-03-5	Chrysene-d12	914000	21.636				
1520-96-3	Perylene-d12	1000000	25.013				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	3100	J			3.04	ug/Kg
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	540	AB			4.94	ug/Kg
000119-61-9	Benzophenone	510	J			15.8	ug/Kg
000057-10-3	n-Hexadecanoic acid	540	J			18.1	ug/Kg
000110-34-9	Hexadecanoic acid, 2-methylpropyl	340	JB			19.4	ug/Kg
000057-11-4	Octadecanoic acid	210	J			19.5	ug/Kg
000111-06-8	Hexadecanoic acid, butyl ester	750	JB			19.6	ug/Kg

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000646-13-9	Octadecanoic acid, 2-methylpropyl	190	J			20.5	ug/Kg
000123-95-5	Octadecanoic acid, butyl ester	630	JB			20.7	ug/Kg
018835-32-0	1-Tricosene	610	J			21.3	ug/Kg
000593-45-3	Octadecane	180	J			21.9	ug/Kg
000629-97-0	Docosane	280	J			22.6	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