

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	88H-EMSD	SDG No.:	Q2820
Lab Sample ID:	Q2820-17MSD	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	82.6
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
BP025416.D	1	08/13/25 09:05	08/15/25 06:29	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
100-52-7	Benzaldehyde	1100		190	330	400	ug/Kg
108-95-2	Phenol	1900		26.7	160	210	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1700		29.4	160	210	ug/Kg
95-57-8	2-Chlorophenol	1900		29.5	160	210	ug/Kg
95-48-7	2-Methylphenol	1900		36.1	160	210	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1700		45.3	160	210	ug/Kg
98-86-2	Acetophenone	1800		35.7	160	210	ug/Kg
65794-96-9	3+4-Methylphenols	1900		49.7	330	400	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1700		57.3	96.7	96.7	ug/Kg
67-72-1	Hexachloroethane	1700		21.3	160	210	ug/Kg
98-95-3	Nitrobenzene	1800		22.1	160	210	ug/Kg
78-59-1	Isophorone	1800		39.6	160	210	ug/Kg
88-75-5	2-Nitrophenol	1900		70.3	160	210	ug/Kg
105-67-9	2,4-Dimethylphenol	2000		78.3	160	210	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1800		37.2	160	210	ug/Kg
120-83-2	2,4-Dichlorophenol	2000		34.2	160	210	ug/Kg
91-20-3	Naphthalene	1800		27.4	160	210	ug/Kg
106-47-8	4-Chloroaniline	1000		42.8	160	210	ug/Kg
87-68-3	Hexachlorobutadiene	1800		30.6	160	210	ug/Kg
105-60-2	Caprolactam	1900		63.0	330	400	ug/Kg
59-50-7	4-Chloro-3-methylphenol	2000		34.7	160	210	ug/Kg
91-57-6	2-Methylnaphthalene	1800		30.9	160	210	ug/Kg
77-47-4	Hexachlorocyclopentadiene	3600	E	140	330	400	ug/Kg
88-06-2	2,4,6-Trichlorophenol	2000		23.9	160	210	ug/Kg
95-95-4	2,4,5-Trichlorophenol	2000		35.2	160	210	ug/Kg
92-52-4	1,1-Biphenyl	1800		26.3	160	210	ug/Kg
91-58-7	2-Chloronaphthalene	1800		27.2	160	210	ug/Kg
88-74-4	2-Nitroaniline	2000		58.1	160	210	ug/Kg
131-11-3	Dimethylphthalate	1800		32.8	160	210	ug/Kg

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208-96-8	Acenaphthylene	1800		34.9	160	210	ug/Kg
606-20-2	2,6-Dinitrotoluene	1900		40.6	160	210	ug/Kg
99-09-2	3-Nitroaniline	1300		55.6	160	210	ug/Kg
83-32-9	Acenaphthene	1800		25.7	160	210	ug/Kg
51-28-5	2,4-Dinitrophenol	4100	E	280	330	400	ug/Kg
100-02-7	4-Nitrophenol	4000	E	130	330	400	ug/Kg
132-64-9	Dibenzofuran	1800		27.4	160	210	ug/Kg
121-14-2	2,4-Dinitrotoluene	2000		60.6	160	210	ug/Kg
84-66-2	Diethylphthalate	1800		34.2	160	210	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1800		32.3	160	210	ug/Kg
86-73-7	Fluorene	1800		30.6	160	210	ug/Kg
100-01-6	4-Nitroaniline	1800		77.6	160	210	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1900		120	330	400	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1800		39.8	160	210	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1800		33.6	160	210	ug/Kg
118-74-1	Hexachlorobenzene	1800		30.6	160	210	ug/Kg
1912-24-9	Atrazine	1900		41.1	160	210	ug/Kg
87-86-5	Pentachlorophenol	4000	E	62.0	330	400	ug/Kg
85-01-8	Phenanthrene	1800		25.3	160	210	ug/Kg
120-12-7	Anthracene	1800		40.2	160	210	ug/Kg
86-74-8	Carbazole	1900		37.7	160	210	ug/Kg
84-74-2	Di-n-butylphthalate	1900		57.9	160	210	ug/Kg
206-44-0	Fluoranthene	1900		36.3	160	210	ug/Kg
129-00-0	Pyrene	1800		43.5	160	210	ug/Kg
85-68-7	Butylbenzylphthalate	1900		86.3	160	210	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1100		44.4	330	400	ug/Kg
56-55-3	Benzo(a)anthracene	1900		27.8	160	210	ug/Kg
218-01-9	Chrysene	1900		24.1	160	210	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1900		71.6	160	210	ug/Kg
117-84-0	Di-n-octyl phthalate	1900		100	330	400	ug/Kg
205-99-2	Benzo(b)fluoranthene	1800		23.0	160	210	ug/Kg

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207-08-9	Benzo(k)fluoranthene	1900		27.1	160	210	ug/Kg
50-32-8	Benzo(a)pyrene	1900		35.7	160	210	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1900		35.2	160	210	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1900		33.1	160	210	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1800		31.1	160	210	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1800		30.9	160	210	ug/Kg
123-91-1	1,4-Dioxane	1500		54.6	160	210	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	2000		33.1	160	210	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	88.1		35 - 115		59%	SPK: 150
13127-88-3	Phenol-d6	89.6		34 - 127		60%	SPK: 150
4165-60-0	Nitrobenzene-d5	54.5		37 - 122		55%	SPK: 100
321-60-8	2-Fluorobiphenyl	50.8		44 - 115		51%	SPK: 100
118-79-6	2,4,6-Tribromophenol	89.7		39 - 132		60%	SPK: 150
1718-51-0	Terphenyl-d14	48.8	*	54 - 127		49%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	152000		7.795			
1146-65-2	Naphthalene-d8	612000		10.56			
15067-26-2	Acenaphthene-d10	408000		14.407			
1517-22-2	Phenanthrene-d10	838000		17.201			
1719-03-5	Chrysene-d12	922000		21.648			
1520-96-3	Perylene-d12	1090000		25.024			

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