

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	22M-W	SDG No.:	Q2820
Lab Sample ID:	Q2820-22	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	52.9
Sample Wt/Vol:	30.02 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
BP025411.D	1	08/13/25 09:05	08/15/25 03:03	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
100-52-7	Benzaldehyde	510	U	290	510	620	ug/Kg
108-95-2	Phenol	250	U	41.7	250	320	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	250	U	45.9	250	320	ug/Kg
95-57-8	2-Chlorophenol	250	U	46.1	250	320	ug/Kg
95-48-7	2-Methylphenol	250	U	56.5	250	320	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	250	U	70.8	250	320	ug/Kg
98-86-2	Acetophenone	250	U	55.7	250	320	ug/Kg
65794-96-9	3+4-Methylphenols	510	U	77.6	510	620	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	150	U	89.5	150	150	ug/Kg
67-72-1	Hexachloroethane	250	U	33.2	250	320	ug/Kg
98-95-3	Nitrobenzene	250	U	34.6	250	320	ug/Kg
78-59-1	Isophorone	250	U	62.0	250	320	ug/Kg
88-75-5	2-Nitrophenol	250	U	110	250	320	ug/Kg
105-67-9	2,4-Dimethylphenol	250	U	120	250	320	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	250	U	58.2	250	320	ug/Kg
120-83-2	2,4-Dichlorophenol	250	U	53.5	250	320	ug/Kg
91-20-3	Naphthalene	250	U	42.9	250	320	ug/Kg
106-47-8	4-Chloroaniline	250	U	66.9	250	320	ug/Kg
87-68-3	Hexachlorobutadiene	250	U	47.8	250	320	ug/Kg
105-60-2	Caprolactam	510	U	98.4	510	620	ug/Kg
59-50-7	4-Chloro-3-methylphenol	250	U	54.2	250	320	ug/Kg
91-57-6	2-Methylnaphthalene	250	U	48.4	250	320	ug/Kg
77-47-4	Hexachlorocyclopentadiene	510	U	220	510	620	ug/Kg
88-06-2	2,4,6-Trichlorophenol	250	U	37.4	250	320	ug/Kg
95-95-4	2,4,5-Trichlorophenol	250	U	55.0	250	320	ug/Kg
92-52-4	1,1-Biphenyl	250	U	41.2	250	320	ug/Kg
91-58-7	2-Chloronaphthalene	250	U	42.5	250	320	ug/Kg
88-74-4	2-Nitroaniline	250	U	90.9	250	320	ug/Kg
131-11-3	Dimethylphthalate	250	U	51.2	250	320	ug/Kg

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208-96-8	Acenaphthylene	250	U	54.6	250	320	ug/Kg
606-20-2	2,6-Dinitrotoluene	250	U	63.5	250	320	ug/Kg
99-09-2	3-Nitroaniline	250	U	86.9	250	320	ug/Kg
83-32-9	Acenaphthene	250	U	40.2	250	320	ug/Kg
51-28-5	2,4-Dinitrophenol	510	U	430	510	620	ug/Kg
100-02-7	4-Nitrophenol	510	U	200	510	620	ug/Kg
132-64-9	Dibenzofuran	250	U	42.9	250	320	ug/Kg
121-14-2	2,4-Dinitrotoluene	250	U	94.6	250	320	ug/Kg
84-66-2	Diethylphthalate	250	U	53.5	250	320	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	250	U	50.4	250	320	ug/Kg
86-73-7	Fluorene	250	U	47.8	250	320	ug/Kg
100-01-6	4-Nitroaniline	250	U	120	250	320	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	510	U	190	510	620	ug/Kg
86-30-6	n-Nitrosodiphenylamine	250	U	62.2	250	320	ug/Kg
101-55-3	4-Bromophenyl-phenylether	250	U	52.5	250	320	ug/Kg
118-74-1	Hexachlorobenzene	250	U	47.8	250	320	ug/Kg
1912-24-9	Atrazine	250	U	64.2	250	320	ug/Kg
87-86-5	Pentachlorophenol	510	U	96.9	510	620	ug/Kg
85-01-8	Phenanthrene	250	U	39.5	250	320	ug/Kg
120-12-7	Anthracene	250	U	62.9	250	320	ug/Kg
86-74-8	Carbazole	250	U	58.9	250	320	ug/Kg
84-74-2	Di-n-butylphthalate	250	U	90.5	250	320	ug/Kg
206-44-0	Fluoranthene	250	U	56.7	250	320	ug/Kg
129-00-0	Pyrene	250	U	68.0	250	320	ug/Kg
85-68-7	Butylbenzylphthalate	250	U	130	250	320	ug/Kg
91-94-1	3,3-Dichlorobenzidine	510	U	69.3	510	620	ug/Kg
56-55-3	Benzo(a)anthracene	250	U	43.4	250	320	ug/Kg
218-01-9	Chrysene	250	U	37.6	250	320	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	250	U	110	250	320	ug/Kg
117-84-0	Di-n-octyl phthalate	510	U	160	510	620	ug/Kg
205-99-2	Benzo(b)fluoranthene	250	U	35.9	250	320	ug/Kg

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50-32-8	Benzo(a)pyrene	250	U	55.7	250	320	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	250	U	55.0	250	320	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	250	U	51.8	250	320	ug/Kg
191-24-2	Benzo(g,h,i)perylene	250	U	48.5	250	320	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	250	U	48.4	250	320	ug/Kg
123-91-1	1,4-Dioxane	250	U	85.4	250	320	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	250	U	51.8	250	320	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	75.3		35 - 115		50%	SPK: 150
13127-88-3	Phenol-d6	74.0		34 - 127		49%	SPK: 150
4165-60-0	Nitrobenzene-d5	48.4		37 - 122		48%	SPK: 100
321-60-8	2-Fluorobiphenyl	41.7	*	44 - 115		42%	SPK: 100
118-79-6	2,4,6-Tribromophenol	76.8		39 - 132		51%	SPK: 150
1718-51-0	Terphenyl-d14	37.9	*	54 - 127		38%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	135000	7.79
1146-65-2	Naphthalene-d8	523000	10.555
15067-26-2	Acenaphthene-d10	345000	14.396
1517-22-2	Phenanthrene-d10	728000	17.189
1719-03-5	Chrysene-d12	862000	21.63
1520-96-3	Perylene-d12	1000000	24.995

TENTATIVE IDENTIFIED COMPOUNDS

000994-05-8	Butane, 2-methoxy-2-methyl-	2000	J		3.04	ug/Kg
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	290	AB		4.95	ug/Kg
000119-61-9	Benzophenone	410	J		15.8	ug/Kg
000057-10-3	n-Hexadecanoic acid	210	J		18.1	ug/Kg
018835-33-1	1-Hexacosene	360	J		21.3	ug/Kg

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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