

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/11/25
Project:	USACE018-44 DOD	Date Received:	08/11/25
Client Sample ID:	BIN0009-DRIVEWAY-TP-WESTSIDEMS	SDG No.:	Q2820
Lab Sample ID:	Q2830-05MS	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	81
Sample Wt/Vol:	50.01 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
BF143367.D	1	08/12/25 09:15	08/13/25 11:12	PB169210

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
100-52-7	Benzaldehyde	820		120	200	240	ug/Kg
108-95-2	Phenol	1000		16.4	96.3	130	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1100		18.0	96.3	130	ug/Kg
95-57-8	2-Chlorophenol	1100		18.1	96.3	130	ug/Kg
95-48-7	2-Methylphenol	1100		22.1	96.3	130	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1100		27.8	96.3	130	ug/Kg
98-86-2	Acetophenone	1100		21.8	96.3	130	ug/Kg
65794-96-9	3+4-Methylphenols	1000		30.4	200	240	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1100		35.1	59.2	59.2	ug/Kg
67-72-1	Hexachloroethane	1200		13.0	96.3	130	ug/Kg
98-95-3	Nitrobenzene	1100		13.6	96.3	130	ug/Kg
78-59-1	Isophorone	1100		24.3	96.3	130	ug/Kg
88-75-5	2-Nitrophenol	1400		43.1	96.3	130	ug/Kg
105-67-9	2,4-Dimethylphenol	1200		48.0	96.3	130	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1100		22.8	96.3	130	ug/Kg
120-83-2	2,4-Dichlorophenol	1200		21.0	96.3	130	ug/Kg
91-20-3	Naphthalene	1100		16.8	96.3	130	ug/Kg
106-47-8	4-Chloroaniline	600		26.2	96.3	130	ug/Kg
87-68-3	Hexachlorobutadiene	1200		18.7	96.3	130	ug/Kg
105-60-2	Caprolactam	1200		38.6	200	240	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1100		21.3	96.3	130	ug/Kg
91-57-6	2-Methylnaphthalene	1000		19.0	96.3	130	ug/Kg
77-47-4	Hexachlorocyclopentadiene	2800	E	85.9	200	240	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1300		14.7	96.3	130	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1200		21.6	96.3	130	ug/Kg
92-52-4	1,1-Biphenyl	1100		16.1	96.3	130	ug/Kg
91-58-7	2-Chloronaphthalene	1100		16.7	96.3	130	ug/Kg
88-74-4	2-Nitroaniline	1200		35.6	96.3	130	ug/Kg
131-11-3	Dimethylphthalate	1200		20.1	96.3	130	ug/Kg

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208-96-8	Acenaphthylene	1200		21.4	96.3	130	ug/Kg
606-20-2	2,6-Dinitrotoluene	1300		24.9	96.3	130	ug/Kg
99-09-2	3-Nitroaniline	820		34.1	96.3	130	ug/Kg
83-32-9	Acenaphthene	1200		15.8	96.3	130	ug/Kg
51-28-5	2,4-Dinitrophenol	2300	E	170	200	240	ug/Kg
100-02-7	4-Nitrophenol	1900		79.2	200	240	ug/Kg
132-64-9	Dibenzofuran	1100		16.8	96.3	130	ug/Kg
121-14-2	2,4-Dinitrotoluene	1300		37.1	96.3	130	ug/Kg
84-66-2	Diethylphthalate	1200		21.0	96.3	130	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1100		19.8	96.3	130	ug/Kg
86-73-7	Fluorene	1100		18.7	96.3	130	ug/Kg
100-01-6	4-Nitroaniline	1200		47.5	96.3	130	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1500		76.3	200	240	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1200		24.4	96.3	130	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1200		20.6	96.3	130	ug/Kg
118-74-1	Hexachlorobenzene	1200		18.7	96.3	130	ug/Kg
1912-24-9	Atrazine	1400		25.2	96.3	130	ug/Kg
87-86-5	Pentachlorophenol	2300	E	38.0	200	240	ug/Kg
85-01-8	Phenanthrene	1100		15.5	96.3	130	ug/Kg
120-12-7	Anthracene	1100		24.7	96.3	130	ug/Kg
86-74-8	Carbazole	1100		23.1	96.3	130	ug/Kg
84-74-2	Di-n-butylphthalate	1600		35.5	96.3	130	ug/Kg
206-44-0	Fluoranthene	1200		22.2	96.3	130	ug/Kg
129-00-0	Pyrene	870		26.7	96.3	130	ug/Kg
85-68-7	Butylbenzylphthalate	1800		52.9	96.3	130	ug/Kg
91-94-1	3,3-Dichlorobenzidine	960		27.2	200	240	ug/Kg
56-55-3	Benzo(a)anthracene	1100		17.0	96.3	130	ug/Kg
218-01-9	Chrysene	1100		14.7	96.3	130	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1800		43.8	96.3	130	ug/Kg
117-84-0	Di-n-octyl phthalate	1600		64.3	200	240	ug/Kg
205-99-2	Benzo(b)fluoranthene	1200		14.1	96.3	130	ug/Kg

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207-08-9	Benzo(k)fluoranthene	1100		16.6	96.3	130	ug/Kg
50-32-8	Benzo(a)pyrene	1200		21.8	96.3	130	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1100		21.6	96.3	130	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1100		20.3	96.3	130	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1100		19.0	96.3	130	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1100		19.0	96.3	130	ug/Kg
123-91-1	1,4-Dioxane	980		33.5	96.3	130	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1400		20.3	96.3	130	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	95.7		35 - 115		64%	SPK: 150
13127-88-3	Phenol-d6	95.4		34 - 127		64%	SPK: 150
4165-60-0	Nitrobenzene-d5	75.4		37 - 122		75%	SPK: 100
321-60-8	2-Fluorobiphenyl	68.9		44 - 115		69%	SPK: 100
118-79-6	2,4,6-Tribromophenol	121		39 - 132		81%	SPK: 150
1718-51-0	Terphenyl-d14	58.4		54 - 127		58%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	138000	6.928				
1146-65-2	Naphthalene-d8	517000	8.21				
15067-26-2	Acenaphthene-d10	273000	9.963				
1517-22-2	Phenanthrene-d10	392000	11.451				
1719-03-5	Chrysene-d12	309000	14.092				
1520-96-3	Perylene-d12	383000	15.58				

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