

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	10PC-W	SDG No.:	Q2820
Lab Sample ID:	Q2820-11	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	92.4
Sample Wt/Vol:	30.09	Units:	g
Soil Aliquot Vol:			uL
Extraction Type :		Decanted :	N
Injection Volume :		GPC Factor :	1.0
Prep Method :	SW3541	Level :	LOW
		Test:	SVOC-TCL BNA -20
		Final Vol:	1000
		PH :	
		GPC Cleanup :	N

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025409.D	1	08/13/25 09:05	08/15/25 01:41	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
100-52-7	Benzaldehyde	290	U	170	290	360	ug/Kg
108-95-2	Phenol	140	U	23.8	140	180	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	140	U	26.2	140	180	ug/Kg
95-57-8	2-Chlorophenol	140	U	26.3	140	180	ug/Kg
95-48-7	2-Methylphenol	140	U	32.3	140	180	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	140	U	40.5	140	180	ug/Kg
98-86-2	Acetophenone	140	U	31.8	140	180	ug/Kg
65794-96-9	3+4-Methylphenols	290	U	44.3	290	360	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	86.3	U	51.1	86.3	86.3	ug/Kg
67-72-1	Hexachloroethane	140	U	19.0	140	180	ug/Kg
98-95-3	Nitrobenzene	140	U	19.7	140	180	ug/Kg
78-59-1	Isophorone	140	U	35.4	140	180	ug/Kg
88-75-5	2-Nitrophenol	140	U	62.8	140	180	ug/Kg
105-67-9	2,4-Dimethylphenol	140	U	69.9	140	180	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	140	U	33.2	140	180	ug/Kg
120-83-2	2,4-Dichlorophenol	140	U	30.5	140	180	ug/Kg
91-20-3	Naphthalene	140	U	24.5	140	180	ug/Kg
106-47-8	4-Chloroaniline	140	U	38.2	140	180	ug/Kg
87-68-3	Hexachlorobutadiene	140	U	27.3	140	180	ug/Kg
105-60-2	Caprolactam	290	U	56.2	290	360	ug/Kg
59-50-7	4-Chloro-3-methylphenol	140	U	31.0	140	180	ug/Kg
91-57-6	2-Methylnaphthalene	140	U	27.6	140	180	ug/Kg
77-47-4	Hexachlorocyclopentadiene	290	U	130	290	360	ug/Kg
88-06-2	2,4,6-Trichlorophenol	140	U	21.4	140	180	ug/Kg
95-95-4	2,4,5-Trichlorophenol	140	U	31.4	140	180	ug/Kg
92-52-4	1,1-Biphenyl	140	U	23.5	140	180	ug/Kg
91-58-7	2-Chloronaphthalene	140	U	24.3	140	180	ug/Kg
88-74-4	2-Nitroaniline	140	U	51.9	140	180	ug/Kg
131-11-3	Dimethylphthalate	140	U	29.2	140	180	ug/Kg

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208-96-8	Acenaphthylene	140	U	31.2	140	180	ug/Kg
606-20-2	2,6-Dinitrotoluene	140	U	36.3	140	180	ug/Kg
99-09-2	3-Nitroaniline	140	U	49.6	140	180	ug/Kg
83-32-9	Acenaphthene	140	U	23.0	140	180	ug/Kg
51-28-5	2,4-Dinitrophenol	290	U	250	290	360	ug/Kg
100-02-7	4-Nitrophenol	290	U	120	290	360	ug/Kg
132-64-9	Dibenzofuran	140	U	24.5	140	180	ug/Kg
121-14-2	2,4-Dinitrotoluene	140	U	54.1	140	180	ug/Kg
84-66-2	Diethylphthalate	140	U	30.5	140	180	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	140	U	28.8	140	180	ug/Kg
86-73-7	Fluorene	140	U	27.3	140	180	ug/Kg
100-01-6	4-Nitroaniline	140	U	69.3	140	180	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	290	U	110	290	360	ug/Kg
86-30-6	n-Nitrosodiphenylamine	140	U	35.5	140	180	ug/Kg
101-55-3	4-Bromophenyl-phenylether	140	U	30.0	140	180	ug/Kg
118-74-1	Hexachlorobenzene	140	U	27.3	140	180	ug/Kg
1912-24-9	Atrazine	140	U	36.7	140	180	ug/Kg
87-86-5	Pentachlorophenol	290	U	55.4	290	360	ug/Kg
85-01-8	Phenanthrene	140	U	22.6	140	180	ug/Kg
120-12-7	Anthracene	140	U	35.9	140	180	ug/Kg
86-74-8	Carbazole	140	U	33.7	140	180	ug/Kg
84-74-2	Di-n-butylphthalate	140	U	51.7	140	180	ug/Kg
206-44-0	Fluoranthene	140	U	32.4	140	180	ug/Kg
129-00-0	Pyrene	140	U	38.8	140	180	ug/Kg
85-68-7	Butylbenzylphthalate	140	U	77.0	140	180	ug/Kg
91-94-1	3,3-Dichlorobenzidine	290	U	39.6	290	360	ug/Kg
56-55-3	Benzo(a)anthracene	140	U	24.8	140	180	ug/Kg
218-01-9	Chrysene	140	U	21.5	140	180	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	140	U	63.9	140	180	ug/Kg
117-84-0	Di-n-octyl phthalate	290	U	93.7	290	360	ug/Kg
205-99-2	Benzo(b)fluoranthene	140	U	20.5	140	180	ug/Kg

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50-32-8	Benzo(a)pyrene	140	U	31.8	140	180	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	140	U	31.4	140	180	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	140	U	29.6	140	180	ug/Kg
191-24-2	Benzo(g,h,i)perylene	140	U	27.7	140	180	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	140	U	27.6	140	180	ug/Kg
123-91-1	1,4-Dioxane	140	U	48.8	140	180	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	140	U	29.6	140	180	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	80.8		35 - 115		54%	SPK: 150
13127-88-3	Phenol-d6	82.1		34 - 127		55%	SPK: 150
4165-60-0	Nitrobenzene-d5	50.5		37 - 122		50%	SPK: 100
321-60-8	2-Fluorobiphenyl	51.0		44 - 115		51%	SPK: 100
118-79-6	2,4,6-Tribromophenol	86.7		39 - 132		58%	SPK: 150
1718-51-0	Terphenyl-d14	50.3	*	54 - 127		50%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	139000	7.789
1146-65-2	Naphthalene-d8	560000	10.566
15067-26-2	Acenaphthene-d10	368000	14.407
1517-22-2	Phenanthrene-d10	771000	17.201
1719-03-5	Chrysene-d12	900000	21.636
1520-96-3	Perylene-d12	1010000	25.012

TENTATIVE IDENTIFIED COMPOUNDS

000994-05-8	Butane, 2-methoxy-2-methyl-	940	J		3.04	ug/Kg
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	180	AB		4.95	ug/Kg
000119-61-9	Benzophenone	270	J		15.8	ug/Kg
000057-10-3	n-Hexadecanoic acid	200	J		18.1	ug/Kg
959261-25-7	Pentafluoropropionic acid, octadec	190	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