

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	10P-W	SDG No.:	Q2820
Lab Sample ID:	Q2820-13	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	91.2
Sample Wt/Vol:	30.03 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
BP025501.D	1	08/13/25 09:05	08/20/25 09:19	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
100-52-7	Benzaldehyde	300	U	170	300	360	ug/Kg
108-95-2	Phenol	140	U	24.2	140	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	140	U	26.6	140	190	ug/Kg
95-57-8	2-Chlorophenol	140	U	26.7	140	190	ug/Kg
95-48-7	2-Methylphenol	140	U	32.8	140	190	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	140	U	41.1	140	190	ug/Kg
98-86-2	Acetophenone	140	U	32.3	140	190	ug/Kg
65794-96-9	3+4-Methylphenols	300	U	45.0	300	360	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	87.6	U	51.9	87.6	87.6	ug/Kg
67-72-1	Hexachloroethane	140	U	19.3	140	190	ug/Kg
98-95-3	Nitrobenzene	140	U	20.0	140	190	ug/Kg
78-59-1	Isophorone	140	U	35.9	140	190	ug/Kg
88-75-5	2-Nitrophenol	140	U	63.8	140	190	ug/Kg
105-67-9	2,4-Dimethylphenol	140	U	71.0	140	190	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	140	U	33.7	140	190	ug/Kg
120-83-2	2,4-Dichlorophenol	140	U	31.0	140	190	ug/Kg
91-20-3	Naphthalene	140	U	24.9	140	190	ug/Kg
106-47-8	4-Chloroaniline	140	U	38.8	140	190	ug/Kg
87-68-3	Hexachlorobutadiene	140	U	27.7	140	190	ug/Kg
105-60-2	Caprolactam	300	U	57.1	300	360	ug/Kg
59-50-7	4-Chloro-3-methylphenol	140	U	31.4	140	190	ug/Kg
91-57-6	2-Methylnaphthalene	140	U	28.0	140	190	ug/Kg
77-47-4	Hexachlorocyclopentadiene	300	U	130	300	360	ug/Kg
88-06-2	2,4,6-Trichlorophenol	140	U	21.7	140	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	140	U	31.9	140	190	ug/Kg
92-52-4	1,1-Biphenyl	140	U	23.9	140	190	ug/Kg
91-58-7	2-Chloronaphthalene	140	U	24.6	140	190	ug/Kg
88-74-4	2-Nitroaniline	140	U	52.7	140	190	ug/Kg
131-11-3	Dimethylphthalate	140	U	29.7	140	190	ug/Kg

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208-96-8	Acenaphthylene	140	U	31.7	140	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	140	U	36.8	140	190	ug/Kg
99-09-2	3-Nitroaniline	140	U	50.4	140	190	ug/Kg
83-32-9	Acenaphthene	140	U	23.3	140	190	ug/Kg
51-28-5	2,4-Dinitrophenol	300	U	250	300	360	ug/Kg
100-02-7	4-Nitrophenol	300	U	120	300	360	ug/Kg
132-64-9	Dibenzofuran	140	U	24.9	140	190	ug/Kg
121-14-2	2,4-Dinitrotoluene	140	U	54.9	140	190	ug/Kg
84-66-2	Diethylphthalate	140	U	31.0	140	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	140	U	29.2	140	190	ug/Kg
86-73-7	Fluorene	140	U	27.7	140	190	ug/Kg
100-01-6	4-Nitroaniline	140	U	70.3	140	190	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	300	U	110	300	360	ug/Kg
86-30-6	n-Nitrosodiphenylamine	140	U	36.0	140	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	140	U	30.5	140	190	ug/Kg
118-74-1	Hexachlorobenzene	140	U	27.7	140	190	ug/Kg
1912-24-9	Atrazine	140	U	37.2	140	190	ug/Kg
87-86-5	Pentachlorophenol	300	U	56.2	300	360	ug/Kg
85-01-8	Phenanthrene	140	U	22.9	140	190	ug/Kg
120-12-7	Anthracene	140	U	36.5	140	190	ug/Kg
86-74-8	Carbazole	140	U	34.2	140	190	ug/Kg
84-74-2	Di-n-butylphthalate	140	U	52.5	140	190	ug/Kg
206-44-0	Fluoranthene	140	U	32.9	140	190	ug/Kg
129-00-0	Pyrene	140	U	39.4	140	190	ug/Kg
85-68-7	Butylbenzylphthalate	140	U	78.2	140	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	300	U	40.2	300	360	ug/Kg
56-55-3	Benzo(a)anthracene	140	U	25.2	140	190	ug/Kg
218-01-9	Chrysene	140	U	21.8	140	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	140	U	64.8	140	190	ug/Kg
117-84-0	Di-n-octyl phthalate	300	U	95.1	300	360	ug/Kg
205-99-2	Benzo(b)fluoranthene	140	U	20.8	140	190	ug/Kg

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207-08-9	Benzo(k)fluoranthene	140	U	24.5	140	190	ug/Kg
50-32-8	Benzo(a)pyrene	140	U	32.3	140	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	140	U	31.9	140	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	140	U	30.0	140	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	140	U	28.2	140	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	140	U	28.0	140	190	ug/Kg
123-91-1	1,4-Dioxane	140	U	49.5	140	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	140	U	30.0	140	190	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	90.8		35 - 115		61%	SPK: 150
13127-88-3	Phenol-d6	92.1		34 - 127		61%	SPK: 150
4165-60-0	Nitrobenzene-d5	58.8		37 - 122		59%	SPK: 100
321-60-8	2-Fluorobiphenyl	55.5		44 - 115		56%	SPK: 100
118-79-6	2,4,6-Tribromophenol	96.7		39 - 132		64%	SPK: 150
1718-51-0	Terphenyl-d14	55.1		54 - 127		55%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	145000	7.784
1146-65-2	Naphthalene-d8	568000	10.554
15067-26-2	Acenaphthene-d10	385000	14.407
1517-22-2	Phenanthrene-d10	796000	17.201
1719-03-5	Chrysene-d12	860000	21.648
1520-96-3	Perylene-d12	921000	25.012

TENTATIVE IDENTIFIED COMPOUNDS

000994-05-8	Butane, 2-methoxy-2-methyl-	1100	J		3.04	ug/Kg
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	230	AB		4.95	ug/Kg
000119-61-9	Benzophenone	320	J		15.8	ug/Kg
000057-10-3	n-Hexadecanoic acid	270	J		18.1	ug/Kg
000110-34-9	Hexadecanoic acid, 2-methylpropyl	160	J		19.4	ug/Kg
000057-11-4	Octadecanoic acid	86.9	J		19.5	ug/Kg
000111-06-8	Hexadecanoic acid, butyl ester	260	J		19.6	ug/Kg

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000646-13-9	Octadecanoic acid, 2-methylpropyl	88.4	J			20.5	ug/Kg
000123-95-5	Octadecanoic acid, butyl ester	210	J			20.7	ug/Kg
000112-88-9	1-Octadecene	310	J			21.3	ug/Kg
000629-78-7	Heptadecane	82.2	J			21.9	ug/Kg
000297-03-0	Cyclotetracosane	200	J			22.6	ug/Kg
070475-51-3	9-Methylheneicosane	82.5	J			23.3	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