

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/04/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	22BP-N	SDG No.:	Q2819
Lab Sample ID:	Q2819-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	82.9
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
BF143533.D	1	08/14/25 08:40	08/21/25 16:38	PB169242

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
100-52-7	Benzaldehyde	330	U	190	330	400	ug/Kg
108-95-2	Phenol	160	U	26.6	160	200	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	160	U	29.3	160	200	ug/Kg
95-57-8	2-Chlorophenol	160	U	29.4	160	200	ug/Kg
95-48-7	2-Methylphenol	160	U	36.0	160	200	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	160	U	45.2	160	200	ug/Kg
98-86-2	Acetophenone	160	U	35.5	160	200	ug/Kg
65794-96-9	3+4-Methylphenols	330	U	49.5	330	400	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	96.3	U	57.1	96.3	96.3	ug/Kg
67-72-1	Hexachloroethane	160	U	21.2	160	200	ug/Kg
98-95-3	Nitrobenzene	160	U	22.0	160	200	ug/Kg
78-59-1	Isophorone	160	U	39.5	160	200	ug/Kg
88-75-5	2-Nitrophenol	160	U	70.1	160	200	ug/Kg
105-67-9	2,4-Dimethylphenol	160	U	78.0	160	200	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	160	U	37.1	160	200	ug/Kg
120-83-2	2,4-Dichlorophenol	160	U	34.1	160	200	ug/Kg
91-20-3	Naphthalene	160	U	27.3	160	200	ug/Kg
106-47-8	4-Chloroaniline	160	U	42.6	160	200	ug/Kg
87-68-3	Hexachlorobutadiene	160	U	30.5	160	200	ug/Kg
105-60-2	Caprolactam	330	U	62.7	330	400	ug/Kg
59-50-7	4-Chloro-3-methylphenol	160	U	34.6	160	200	ug/Kg
91-57-6	2-Methylnaphthalene	160	U	30.8	160	200	ug/Kg
77-47-4	Hexachlorocyclopentadiene	330	U	140	330	400	ug/Kg
88-06-2	2,4,6-Trichlorophenol	160	U	23.8	160	200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	160	U	35.0	160	200	ug/Kg
92-52-4	1,1-Biphenyl	160	U	26.3	160	200	ug/Kg
91-58-7	2-Chloronaphthalene	160	U	27.1	160	200	ug/Kg
88-74-4	2-Nitroaniline	160	U	57.9	160	200	ug/Kg
131-11-3	Dimethylphthalate	160	U	32.6	160	200	ug/Kg

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208-96-8	Acenaphthylene	160	U	34.8	160	200	ug/Kg
606-20-2	2,6-Dinitrotoluene	160	U	40.5	160	200	ug/Kg
99-09-2	3-Nitroaniline	160	U	55.4	160	200	ug/Kg
83-32-9	Acenaphthene	160	U	25.7	160	200	ug/Kg
51-28-5	2,4-Dinitrophenol	330	U	280	330	400	ug/Kg
100-02-7	4-Nitrophenol	330	U	130	330	400	ug/Kg
132-64-9	Dibenzofuran	160	U	27.3	160	200	ug/Kg
121-14-2	2,4-Dinitrotoluene	160	U	60.3	160	200	ug/Kg
84-66-2	Diethylphthalate	160	U	34.1	160	200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	160	U	32.2	160	200	ug/Kg
86-73-7	Fluorene	160	U	30.5	160	200	ug/Kg
100-01-6	4-Nitroaniline	160	U	77.3	160	200	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	330	U	120	330	400	ug/Kg
86-30-6	n-Nitrosodiphenylamine	160	U	39.6	160	200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	160	U	33.5	160	200	ug/Kg
118-74-1	Hexachlorobenzene	160	U	30.5	160	200	ug/Kg
1912-24-9	Atrazine	160	U	40.9	160	200	ug/Kg
87-86-5	Pentachlorophenol	330	U	61.8	330	400	ug/Kg
85-01-8	Phenanthrene	160	U	25.2	160	200	ug/Kg
120-12-7	Anthracene	160	U	40.1	160	200	ug/Kg
86-74-8	Carbazole	160	U	37.6	160	200	ug/Kg
84-74-2	Di-n-butylphthalate	160	U	57.7	160	200	ug/Kg
206-44-0	Fluoranthene	130	J	36.1	160	200	ug/Kg
129-00-0	Pyrene	83.9	J	43.4	160	200	ug/Kg
85-68-7	Butylbenzylphthalate	160	U	86.0	160	200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	330	U	44.2	330	400	ug/Kg
56-55-3	Benzo(a)anthracene	160	U	27.7	160	200	ug/Kg
218-01-9	Chrysene	160	U	24.0	160	200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	160	U	71.3	160	200	ug/Kg
117-84-0	Di-n-octyl phthalate	330	U	100	330	400	ug/Kg
205-99-2	Benzo(b)fluoranthene	160	U	22.9	160	200	ug/Kg

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50-32-8	Benzo(a)pyrene	160	U	35.5	160	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	160	U	35.0	160	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	160	U	33.0	160	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	160	U	30.9	160	200	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	160	U	30.8	160	200	ug/Kg
123-91-1	1,4-Dioxane	160	UQ	54.4	160	200	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	160	U	33.0	160	200	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	130		35 - 115		87%	SPK: 150
13127-88-3	Phenol-d6	136		34 - 127		91%	SPK: 150
4165-60-0	Nitrobenzene-d5	97.2		37 - 122		97%	SPK: 100
321-60-8	2-Fluorobiphenyl	93.8		44 - 115		94%	SPK: 100
118-79-6	2,4,6-Tribromophenol	134		39 - 132		89%	SPK: 150
1718-51-0	Terphenyl-d14	76.2		54 - 127		76%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	113000	6.928
1146-65-2	Naphthalene-d8	428000	8.204
15067-26-2	Acenaphthene-d10	220000	9.963
1517-22-2	Phenanthrene-d10	315000	11.451
1719-03-5	Chrysene-d12	221000	14.092
1520-96-3	Perylene-d12	261000	15.592

TENTATIVE IDENTIFIED COMPOUNDS

000994-05-8	Butane, 2-methoxy-2-methyl-	2000	J		2.28	ug/Kg
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	430	AB		5.17	ug/Kg
000119-61-9	Benzophenone	360	J		10.7	ug/Kg
001454-84-8	n-Nonadecanol-1	85.9	J		14.0	ug/Kg
000192-97-2	Benzo[e]pyrene	97.1	J		15.2	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