

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/06/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	38M-NMS	SDG No.:	Q2819
Lab Sample ID:	Q2819-17MS	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	87.5
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
BP025520.D	1	08/15/25 08:25	08/20/25 23:54	PB169259

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
100-52-7	Benzaldehyde	1000		180	310	380	ug/Kg
108-95-2	Phenol	1700		25.2	150	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1700		27.7	150	190	ug/Kg
95-57-8	2-Chlorophenol	1700		27.9	150	190	ug/Kg
95-48-7	2-Methylphenol	1700		34.1	150	190	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1700		42.8	150	190	ug/Kg
98-86-2	Acetophenone	1700		33.7	150	190	ug/Kg
65794-96-9	3+4-Methylphenols	1700		46.9	310	380	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1600		54.1	91.3	91.3	ug/Kg
67-72-1	Hexachloroethane	1700		20.1	150	190	ug/Kg
98-95-3	Nitrobenzene	1800		20.9	150	190	ug/Kg
78-59-1	Isophorone	1700		37.4	150	190	ug/Kg
88-75-5	2-Nitrophenol	1800		66.4	150	190	ug/Kg
105-67-9	2,4-Dimethylphenol	1700		74.0	150	190	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1700		35.2	150	190	ug/Kg
120-83-2	2,4-Dichlorophenol	1800		32.3	150	190	ug/Kg
91-20-3	Naphthalene	1700		25.9	150	190	ug/Kg
106-47-8	4-Chloroaniline	1200		40.4	150	190	ug/Kg
87-68-3	Hexachlorobutadiene	1700		28.9	150	190	ug/Kg
105-60-2	Caprolactam	1800		59.5	310	380	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1800		32.8	150	190	ug/Kg
91-57-6	2-Methylnaphthalene	1600		29.2	150	190	ug/Kg
77-47-4	Hexachlorocyclopentadiene	3500	E	130	310	380	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1800		22.6	150	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1900		33.2	150	190	ug/Kg
92-52-4	1,1-Biphenyl	1700		24.9	150	190	ug/Kg
91-58-7	2-Chloronaphthalene	1700		25.7	150	190	ug/Kg
88-74-4	2-Nitroaniline	1900		54.9	150	190	ug/Kg
131-11-3	Dimethylphthalate	1700		30.9	150	190	ug/Kg

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208-96-8	Acenaphthylene	1800		33.0	150	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	1900		38.4	150	190	ug/Kg
99-09-2	3-Nitroaniline	1400		52.5	150	190	ug/Kg
83-32-9	Acenaphthene	1700		24.3	150	190	ug/Kg
51-28-5	2,4-Dinitrophenol	4200	E	260	310	380	ug/Kg
100-02-7	4-Nitrophenol	3900	E	120	310	380	ug/Kg
132-64-9	Dibenzofuran	1700		25.9	150	190	ug/Kg
121-14-2	2,4-Dinitrotoluene	1900		57.2	150	190	ug/Kg
84-66-2	Diethylphthalate	1800		32.3	150	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1700		30.5	150	190	ug/Kg
86-73-7	Fluorene	1700		28.9	150	190	ug/Kg
100-01-6	4-Nitroaniline	1800		73.3	150	190	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1900		120	310	380	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1700		37.6	150	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1700		31.7	150	190	ug/Kg
118-74-1	Hexachlorobenzene	1700		28.9	150	190	ug/Kg
1912-24-9	Atrazine	1800		38.8	150	190	ug/Kg
87-86-5	Pentachlorophenol	3700	E	58.6	310	380	ug/Kg
85-01-8	Phenanthrene	1700		23.9	150	190	ug/Kg
120-12-7	Anthracene	1700		38.0	150	190	ug/Kg
86-74-8	Carbazole	1800		35.6	150	190	ug/Kg
84-74-2	Di-n-butylphthalate	1800		54.7	150	190	ug/Kg
206-44-0	Fluoranthene	1700		34.3	150	190	ug/Kg
129-00-0	Pyrene	1700		41.1	150	190	ug/Kg
85-68-7	Butylbenzylphthalate	1800		81.5	150	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1200		41.9	310	380	ug/Kg
56-55-3	Benzo(a)anthracene	1800		26.3	150	190	ug/Kg
218-01-9	Chrysene	1800		22.7	150	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1800		67.6	150	190	ug/Kg
117-84-0	Di-n-octyl phthalate	1900		99.1	310	380	ug/Kg
205-99-2	Benzo(b)fluoranthene	1700		21.7	150	190	ug/Kg

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207-08-9	Benzo(k)fluoranthene	1800		25.6	150	190	ug/Kg
50-32-8	Benzo(a)pyrene	1700		33.7	150	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1800		33.2	150	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1800		31.3	150	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1800		29.3	150	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1700		29.2	150	190	ug/Kg
123-91-1	1,4-Dioxane	1600		51.6	150	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1900		31.3	150	190	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	101	35 - 115	67%	SPK: 150
13127-88-3	Phenol-d6	98.5	34 - 127	66%	SPK: 150
4165-60-0	Nitrobenzene-d5	64.1	37 - 122	64%	SPK: 100
321-60-8	2-Fluorobiphenyl	56.9	44 - 115	57%	SPK: 100
118-79-6	2,4,6-Tribromophenol	100	39 - 132	67%	SPK: 150
1718-51-0	Terphenyl-d14	56.8	54 - 127	57%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	163000	7.784
1146-65-2	Naphthalene-d8	635000	10.554
15067-26-2	Acenaphthene-d10	403000	14.407
1517-22-2	Phenanthrene-d10	838000	17.213
1719-03-5	Chrysene-d12	894000	21.648
1520-96-3	Perylene-d12	1030000	25.012

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