

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	518R-N	SDG No.:	Q2820
Lab Sample ID:	Q2820-06	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	77.4
Sample Wt/Vol:	30.07 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
BP025382.D	1	08/12/25 09:15	08/13/25 13:22	PB169210

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
100-52-7	Benzaldehyde	350	U	200	350	430	ug/Kg
108-95-2	Phenol	170	U	28.5	170	220	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	170	U	31.3	170	220	ug/Kg
95-57-8	2-Chlorophenol	170	U	31.5	170	220	ug/Kg
95-48-7	2-Methylphenol	170	U	38.5	170	220	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	170	U	48.3	170	220	ug/Kg
98-86-2	Acetophenone	170	U	38.0	170	220	ug/Kg
65794-96-9	3+4-Methylphenols	350	U	53.0	350	430	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	100	U	61.1	100	100	ug/Kg
67-72-1	Hexachloroethane	170	U	22.7	170	220	ug/Kg
98-95-3	Nitrobenzene	170	U	23.6	170	220	ug/Kg
78-59-1	Isophorone	170	U	42.3	170	220	ug/Kg
88-75-5	2-Nitrophenol	170	U	75.0	170	220	ug/Kg
105-67-9	2,4-Dimethylphenol	170	U	83.5	170	220	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	170	U	39.7	170	220	ug/Kg
120-83-2	2,4-Dichlorophenol	170	U	36.5	170	220	ug/Kg
91-20-3	Naphthalene	170	U	29.3	170	220	ug/Kg
106-47-8	4-Chloroaniline	170	U	45.6	170	220	ug/Kg
87-68-3	Hexachlorobutadiene	170	U	32.6	170	220	ug/Kg
105-60-2	Caprolactam	350	U	67.2	350	430	ug/Kg
59-50-7	4-Chloro-3-methylphenol	170	U	37.0	170	220	ug/Kg
91-57-6	2-Methylnaphthalene	170	U	33.0	170	220	ug/Kg
77-47-4	Hexachlorocyclopentadiene	350	U	150	350	430	ug/Kg
88-06-2	2,4,6-Trichlorophenol	170	U	25.5	170	220	ug/Kg
95-95-4	2,4,5-Trichlorophenol	170	U	37.5	170	220	ug/Kg
92-52-4	1,1-Biphenyl	170	U	28.1	170	220	ug/Kg
91-58-7	2-Chloronaphthalene	170	U	29.0	170	220	ug/Kg
88-74-4	2-Nitroaniline	170	U	62.0	170	220	ug/Kg
131-11-3	Dimethylphthalate	170	U	34.9	170	220	ug/Kg

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208-96-8	Acenaphthylene	170	U	37.3	170	220	ug/Kg
606-20-2	2,6-Dinitrotoluene	170	U	43.3	170	220	ug/Kg
99-09-2	3-Nitroaniline	170	U	59.3	170	220	ug/Kg
83-32-9	Acenaphthene	170	U	27.5	170	220	ug/Kg
51-28-5	2,4-Dinitrophenol	350	U	300	350	430	ug/Kg
100-02-7	4-Nitrophenol	350	U	140	350	430	ug/Kg
132-64-9	Dibenzofuran	170	U	29.3	170	220	ug/Kg
121-14-2	2,4-Dinitrotoluene	170	U	64.6	170	220	ug/Kg
84-66-2	Diethylphthalate	170	U	36.5	170	220	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	170	U	34.4	170	220	ug/Kg
86-73-7	Fluorene	170	U	32.6	170	220	ug/Kg
100-01-6	4-Nitroaniline	170	U	82.8	170	220	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	350	U	130	350	430	ug/Kg
86-30-6	n-Nitrosodiphenylamine	170	U	42.4	170	220	ug/Kg
101-55-3	4-Bromophenyl-phenylether	170	U	35.8	170	220	ug/Kg
118-74-1	Hexachlorobenzene	170	U	32.6	170	220	ug/Kg
1912-24-9	Atrazine	170	U	43.8	170	220	ug/Kg
87-86-5	Pentachlorophenol	350	U	66.1	350	430	ug/Kg
85-01-8	Phenanthrene	170	U	26.9	170	220	ug/Kg
120-12-7	Anthracene	170	U	42.9	170	220	ug/Kg
86-74-8	Carbazole	170	U	40.2	170	220	ug/Kg
84-74-2	Di-n-butylphthalate	170	U	61.7	170	220	ug/Kg
206-44-0	Fluoranthene	170	U	38.7	170	220	ug/Kg
129-00-0	Pyrene	170	U	46.4	170	220	ug/Kg
85-68-7	Butylbenzylphthalate	170	U	92.0	170	220	ug/Kg
91-94-1	3,3-Dichlorobenzidine	350	U	47.3	350	430	ug/Kg
56-55-3	Benzo(a)anthracene	170	U	29.6	170	220	ug/Kg
218-01-9	Chrysene	170	U	25.7	170	220	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	92.5	J	76.3	170	220	ug/Kg
117-84-0	Di-n-octyl phthalate	350	U	110	350	430	ug/Kg
205-99-2	Benzo(b)fluoranthene	170	U	24.5	170	220	ug/Kg

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50-32-8	Benzo(a)pyrene	170	U	38.0	170	220	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	170	U	37.5	170	220	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	170	U	35.3	170	220	ug/Kg
191-24-2	Benzo(g,h,i)perylene	170	U	33.1	170	220	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	170	U	33.0	170	220	ug/Kg
123-91-1	1,4-Dioxane	170	U	58.3	170	220	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	170	U	35.3	170	220	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	115		35 - 115		77%	SPK: 150
13127-88-3	Phenol-d6	111		34 - 127		74%	SPK: 150
4165-60-0	Nitrobenzene-d5	78.4		37 - 122		78%	SPK: 100
321-60-8	2-Fluorobiphenyl	56.0		44 - 115		56%	SPK: 100
118-79-6	2,4,6-Tribromophenol	152		39 - 132		101%	SPK: 150
1718-51-0	Terphenyl-d14	55.6		54 - 127		56%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	169000	7.795
1146-65-2	Naphthalene-d8	654000	10.572
15067-26-2	Acenaphthene-d10	421000	14.419
1517-22-2	Phenanthrene-d10	846000	17.224
1719-03-5	Chrysene-d12	903000	21.677
1520-96-3	Perylene-d12	1040000	25.077

TENTATIVE IDENTIFIED COMPOUNDS

65-85-0	Benzoic acid	290	J			9.81	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