

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	705R-S	SDG No.:	Q2820
Lab Sample ID:	Q2820-09	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	55.8
Sample Wt/Vol:	30.02	Units:	g
Soil Aliquot Vol:			uL
Extraction Type :		Decanted :	N
Injection Volume :		GPC Factor :	1.0
Prep Method :	SW3541	Level :	LOW
		GPC Cleanup :	N
		PH :	
		Test:	SVOC-TCL BNA -20

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025384.D	1	08/12/25 09:15	08/13/25 14:46	PB169210

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
100-52-7	Benzaldehyde	480	U	280	480	590	ug/Kg
108-95-2	Phenol	230	U	39.6	230	300	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	230	U	43.5	230	300	ug/Kg
95-57-8	2-Chlorophenol	230	U	43.7	230	300	ug/Kg
95-48-7	2-Methylphenol	230	U	53.5	230	300	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	230	U	67.2	230	300	ug/Kg
98-86-2	Acetophenone	230	U	52.8	230	300	ug/Kg
65794-96-9	3+4-Methylphenols	480	U	73.6	480	590	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	140	U	84.9	140	140	ug/Kg
67-72-1	Hexachloroethane	230	U	31.5	230	300	ug/Kg
98-95-3	Nitrobenzene	230	U	32.8	230	300	ug/Kg
78-59-1	Isophorone	230	U	58.7	230	300	ug/Kg
88-75-5	2-Nitrophenol	230	U	100	230	300	ug/Kg
105-67-9	2,4-Dimethylphenol	230	U	120	230	300	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	230	U	55.2	230	300	ug/Kg
120-83-2	2,4-Dichlorophenol	230	U	50.7	230	300	ug/Kg
91-20-3	Naphthalene	230	U	40.7	230	300	ug/Kg
106-47-8	4-Chloroaniline	230	U	63.4	230	300	ug/Kg
87-68-3	Hexachlorobutadiene	230	U	45.3	230	300	ug/Kg
105-60-2	Caprolactam	480	U	93.3	480	590	ug/Kg
59-50-7	4-Chloro-3-methylphenol	230	U	51.4	230	300	ug/Kg
91-57-6	2-Methylnaphthalene	230	U	45.8	230	300	ug/Kg
77-47-4	Hexachlorocyclopentadiene	480	U	210	480	590	ug/Kg
88-06-2	2,4,6-Trichlorophenol	230	U	35.5	230	300	ug/Kg
95-95-4	2,4,5-Trichlorophenol	230	U	52.1	230	300	ug/Kg
92-52-4	1,1-Biphenyl	230	U	39.0	230	300	ug/Kg
91-58-7	2-Chloronaphthalene	230	U	40.3	230	300	ug/Kg
88-74-4	2-Nitroaniline	230	U	86.1	230	300	ug/Kg
131-11-3	Dimethylphthalate	230	U	48.5	230	300	ug/Kg

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208-96-8	Acenaphthylene	230	U	51.8	230	300	ug/Kg
606-20-2	2,6-Dinitrotoluene	230	U	60.2	230	300	ug/Kg
99-09-2	3-Nitroaniline	230	U	82.4	230	300	ug/Kg
83-32-9	Acenaphthene	230	U	38.1	230	300	ug/Kg
51-28-5	2,4-Dinitrophenol	480	U	410	480	590	ug/Kg
100-02-7	4-Nitrophenol	480	U	190	480	590	ug/Kg
132-64-9	Dibenzofuran	230	U	40.7	230	300	ug/Kg
121-14-2	2,4-Dinitrotoluene	230	U	89.7	230	300	ug/Kg
84-66-2	Diethylphthalate	230	U	50.7	230	300	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	230	U	47.8	230	300	ug/Kg
86-73-7	Fluorene	230	U	45.3	230	300	ug/Kg
100-01-6	4-Nitroaniline	230	U	110	230	300	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	480	U	180	480	590	ug/Kg
86-30-6	n-Nitrosodiphenylamine	230	U	58.9	230	300	ug/Kg
101-55-3	4-Bromophenyl-phenylether	230	U	49.8	230	300	ug/Kg
118-74-1	Hexachlorobenzene	230	U	45.3	230	300	ug/Kg
1912-24-9	Atrazine	230	U	60.9	230	300	ug/Kg
87-86-5	Pentachlorophenol	480	U	91.9	480	590	ug/Kg
85-01-8	Phenanthrene	230	U	37.4	230	300	ug/Kg
120-12-7	Anthracene	230	U	59.6	230	300	ug/Kg
86-74-8	Carbazole	230	U	55.9	230	300	ug/Kg
84-74-2	Di-n-butylphthalate	230	U	85.8	230	300	ug/Kg
206-44-0	Fluoranthene	230	U	53.7	230	300	ug/Kg
129-00-0	Pyrene	230	U	64.5	230	300	ug/Kg
85-68-7	Butylbenzylphthalate	230	U	130	230	300	ug/Kg
91-94-1	3,3-Dichlorobenzidine	480	U	65.7	480	590	ug/Kg
56-55-3	Benzo(a)anthracene	230	U	41.2	230	300	ug/Kg
218-01-9	Chrysene	230	U	35.6	230	300	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	230	U	110	230	300	ug/Kg
117-84-0	Di-n-octyl phthalate	480	U	160	480	590	ug/Kg
205-99-2	Benzo(b)fluoranthene	230	U	34.0	230	300	ug/Kg

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207-08-9	Benzo(k)fluoranthene	230	U	40.1	230	300	ug/Kg
50-32-8	Benzo(a)pyrene	230	U	52.8	230	300	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	230	U	52.1	230	300	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	230	U	49.1	230	300	ug/Kg
191-24-2	Benzo(g,h,i)perylene	230	U	46.0	230	300	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	230	U	45.8	230	300	ug/Kg
123-91-1	1,4-Dioxane	230	U	80.9	230	300	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	230	U	49.1	230	300	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	77.6		35 - 115		52%	SPK: 150
13127-88-3	Phenol-d6	70.1		34 - 127		47%	SPK: 150
4165-60-0	Nitrobenzene-d5	52.7		37 - 122		53%	SPK: 100
321-60-8	2-Fluorobiphenyl	47.8		44 - 115		48%	SPK: 100
118-79-6	2,4,6-Tribromophenol	107		39 - 132		71%	SPK: 150
1718-51-0	Terphenyl-d14	46.8	*	54 - 127		47%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	141000	7.796
1146-65-2	Naphthalene-d8	543000	10.572
15067-26-2	Acenaphthene-d10	336000	14.425
1517-22-2	Phenanthrene-d10	669000	17.219
1719-03-5	Chrysene-d12	758000	21.672
1520-96-3	Perylene-d12	855000	25.071

TENTATIVE IDENTIFIED COMPOUNDS

000994-05-8	Butane, 2-methoxy-2-methyl-	1400	J		3.04	ug/Kg
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	310	AB		4.95	ug/Kg
000119-61-9	Benzophenone	220	J		15.8	ug/Kg
000057-10-3	n-Hexadecanoic acid	330	J		18.2	ug/Kg
018835-33-1	1-Hexacosene	360	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