

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	
Project:	USACE018-44 DOD	Date Received:	
Client Sample ID:	PB169242BS	SDG No.:	Q2819
Lab Sample ID:	PB169242BS	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	100
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
BP025489.D	1	08/14/25 08:40	08/20/25 01:07	PB169242

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
100-52-7	Benzaldehyde	940		160	270	330	ug/Kg
108-95-2	Phenol	1600		22.1	130	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1500		24.3	130	170	ug/Kg
95-57-8	2-Chlorophenol	1600		24.4	130	170	ug/Kg
95-48-7	2-Methylphenol	1600		29.9	130	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1600		37.5	130	170	ug/Kg
98-86-2	Acetophenone	1600		29.5	130	170	ug/Kg
65794-96-9	3+4-Methylphenols	1600		41.1	270	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1500		47.4	79.9	79.9	ug/Kg
67-72-1	Hexachloroethane	1500		17.6	130	170	ug/Kg
98-95-3	Nitrobenzene	1600		18.3	130	170	ug/Kg
78-59-1	Isophorone	1600		32.8	130	170	ug/Kg
88-75-5	2-Nitrophenol	1600		58.1	130	170	ug/Kg
105-67-9	2,4-Dimethylphenol	1700		64.7	130	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1600		30.8	130	170	ug/Kg
120-83-2	2,4-Dichlorophenol	1700		28.3	130	170	ug/Kg
91-20-3	Naphthalene	1600		22.7	130	170	ug/Kg
106-47-8	4-Chloroaniline	1200		35.4	130	170	ug/Kg
87-68-3	Hexachlorobutadiene	1600		25.3	130	170	ug/Kg
105-60-2	Caprolactam	1900		52.0	270	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1800		28.7	130	170	ug/Kg
91-57-6	2-Methylnaphthalene	1600		25.6	130	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	2900	E	120	270	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1600		19.8	130	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1700		29.1	130	170	ug/Kg
92-52-4	1,1-Biphenyl	1500		21.8	130	170	ug/Kg
91-58-7	2-Chloronaphthalene	1500		22.5	130	170	ug/Kg
88-74-4	2-Nitroaniline	1800		48.1	130	170	ug/Kg
131-11-3	Dimethylphthalate	1700		27.1	130	170	ug/Kg

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208-96-8	Acenaphthylene	1600		28.9	130	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	1800		33.6	130	170	ug/Kg
99-09-2	3-Nitroaniline	1400		46.0	130	170	ug/Kg
83-32-9	Acenaphthene	1600		21.3	130	170	ug/Kg
51-28-5	2,4-Dinitrophenol	4200	E	230	270	330	ug/Kg
100-02-7	4-Nitrophenol	3800	E	110	270	330	ug/Kg
132-64-9	Dibenzofuran	1600		22.7	130	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	1900		50.0	130	170	ug/Kg
84-66-2	Diethylphthalate	1800		28.3	130	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1600		26.7	130	170	ug/Kg
86-73-7	Fluorene	1600		25.3	130	170	ug/Kg
100-01-6	4-Nitroaniline	1800		64.1	130	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1800		100	270	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1600		32.9	130	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1600		27.8	130	170	ug/Kg
118-74-1	Hexachlorobenzene	1600		25.3	130	170	ug/Kg
1912-24-9	Atrazine	1700		34.0	130	170	ug/Kg
87-86-5	Pentachlorophenol	3600	E	51.2	270	330	ug/Kg
85-01-8	Phenanthrene	1600		20.9	130	170	ug/Kg
120-12-7	Anthracene	1600		33.3	130	170	ug/Kg
86-74-8	Carbazole	1700		31.2	130	170	ug/Kg
84-74-2	Di-n-butylphthalate	1700		47.9	130	170	ug/Kg
206-44-0	Fluoranthene	1700		30.0	130	170	ug/Kg
129-00-0	Pyrene	1600		36.0	130	170	ug/Kg
85-68-7	Butylbenzylphthalate	1700		71.3	130	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1200		36.7	270	330	ug/Kg
56-55-3	Benzo(a)anthracene	1700		23.0	130	170	ug/Kg
218-01-9	Chrysene	1700		19.9	130	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1700		59.1	130	170	ug/Kg
117-84-0	Di-n-octyl phthalate	1700		86.7	270	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	1800		19.0	130	170	ug/Kg

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207-08-9	Benzo(k)fluoranthene	1800		22.4	130	170	ug/Kg
50-32-8	Benzo(a)pyrene	1700		29.5	130	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1700		29.1	130	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1700		27.4	130	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1700		25.7	130	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1500		25.6	130	170	ug/Kg
123-91-1	1,4-Dioxane	1100		45.2	130	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1800		27.4	130	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	134		35 - 115		90%	SPK: 150
13127-88-3	Phenol-d6	134		34 - 127		90%	SPK: 150
4165-60-0	Nitrobenzene-d5	83.8		37 - 122		84%	SPK: 100
321-60-8	2-Fluorobiphenyl	76.8		44 - 115		77%	SPK: 100
118-79-6	2,4,6-Tribromophenol	145		39 - 132		97%	SPK: 150
1718-51-0	Terphenyl-d14	86.4		54 - 127		86%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	126000		7.796			
1146-65-2	Naphthalene-d8	506000		10.566			
15067-26-2	Acenaphthene-d10	364000		14.401			
1517-22-2	Phenanthrene-d10	786000		17.189			
1719-03-5	Chrysene-d12	838000		21.625			
1520-96-3	Perylene-d12	884000		24.989			

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