

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	
Project:	USACE018-44 DOD	Date Received:	
Client Sample ID:	PB169242BL	SDG No.:	Q2819
Lab Sample ID:	PB169242BL	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	100
Sample Wt/Vol:	30.01 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
BP025488.D	1	08/14/25 08:40	08/20/25 00:27	PB169242

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
100-52-7	Benzaldehyde	270	U	160	270	330	ug/Kg
108-95-2	Phenol	130	U	22.1	130	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	130	U	24.3	130	170	ug/Kg
95-57-8	2-Chlorophenol	130	U	24.4	130	170	ug/Kg
95-48-7	2-Methylphenol	130	U	29.9	130	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	130	U	37.5	130	170	ug/Kg
98-86-2	Acetophenone	130	U	29.5	130	170	ug/Kg
65794-96-9	3+4-Methylphenols	270	U	41.1	270	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	80.0	U	47.4	80.0	80.0	ug/Kg
67-72-1	Hexachloroethane	130	U	17.6	130	170	ug/Kg
98-95-3	Nitrobenzene	130	U	18.3	130	170	ug/Kg
78-59-1	Isophorone	130	U	32.8	130	170	ug/Kg
88-75-5	2-Nitrophenol	130	U	58.2	130	170	ug/Kg
105-67-9	2,4-Dimethylphenol	130	U	64.8	130	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	130	U	30.8	130	170	ug/Kg
120-83-2	2,4-Dichlorophenol	130	U	28.3	130	170	ug/Kg
91-20-3	Naphthalene	130	U	22.7	130	170	ug/Kg
106-47-8	4-Chloroaniline	130	U	35.4	130	170	ug/Kg
87-68-3	Hexachlorobutadiene	130	U	25.3	130	170	ug/Kg
105-60-2	Caprolactam	270	U	52.1	270	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	130	U	28.7	130	170	ug/Kg
91-57-6	2-Methylnaphthalene	130	U	25.6	130	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	270	U	120	270	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	130	U	19.8	130	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	130	U	29.1	130	170	ug/Kg
92-52-4	1,1-Biphenyl	130	U	21.8	130	170	ug/Kg
91-58-7	2-Chloronaphthalene	130	U	22.5	130	170	ug/Kg
88-74-4	2-Nitroaniline	130	U	48.1	130	170	ug/Kg
131-11-3	Dimethylphthalate	130	U	27.1	130	170	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	
Project:	USACE018-44 DOD	Date Received:	
Client Sample ID:	PB169242BL	SDG No.:	Q2819
Lab Sample ID:	PB169242BL	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	100
Sample Wt/Vol:	30.01 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
BP025488.D	1	08/14/25 08:40	08/20/25 00:27	PB169242

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	130	U	28.9	130	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	130	U	33.6	130	170	ug/Kg
99-09-2	3-Nitroaniline	130	U	46.0	130	170	ug/Kg
83-32-9	Acenaphthene	130	U	21.3	130	170	ug/Kg
51-28-5	2,4-Dinitrophenol	270	U	230	270	330	ug/Kg
100-02-7	4-Nitrophenol	270	U	110	270	330	ug/Kg
132-64-9	Dibenzofuran	130	U	22.7	130	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	130	U	50.1	130	170	ug/Kg
84-66-2	Diethylphthalate	130	U	28.3	130	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	130	U	26.7	130	170	ug/Kg
86-73-7	Fluorene	130	U	25.3	130	170	ug/Kg
100-01-6	4-Nitroaniline	130	U	64.2	130	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	270	U	100	270	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	130	U	32.9	130	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	130	U	27.8	130	170	ug/Kg
118-74-1	Hexachlorobenzene	130	U	25.3	130	170	ug/Kg
1912-24-9	Atrazine	130	U	34.0	130	170	ug/Kg
87-86-5	Pentachlorophenol	270	U	51.3	270	330	ug/Kg
85-01-8	Phenanthrene	130	U	20.9	130	170	ug/Kg
120-12-7	Anthracene	130	U	33.3	130	170	ug/Kg
86-74-8	Carbazole	130	U	31.2	130	170	ug/Kg
84-74-2	Di-n-butylphthalate	130	U	47.9	130	170	ug/Kg
206-44-0	Fluoranthene	130	U	30.0	130	170	ug/Kg
129-00-0	Pyrene	130	U	36.0	130	170	ug/Kg
85-68-7	Butylbenzylphthalate	130	U	71.4	130	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	270	U	36.7	270	330	ug/Kg
56-55-3	Benzo(a)anthracene	130	U	23.0	130	170	ug/Kg
218-01-9	Chrysene	130	U	19.9	130	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	130	U	59.2	130	170	ug/Kg
117-84-0	Di-n-octyl phthalate	270	U	86.8	270	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	130	U	19.0	130	170	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	
Project:	USACE018-44 DOD	Date Received:	
Client Sample ID:	PB169242BL	SDG No.:	Q2819
Lab Sample ID:	PB169242BL	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	100
Sample Wt/Vol:	30.01 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
BP025488.D	1	08/14/25 08:40	08/20/25 00:27	PB169242

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	130	U	22.4	130	170	ug/Kg
50-32-8	Benzo(a)pyrene	130	U	29.5	130	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	130	U	29.1	130	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	130	U	27.4	130	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	130	U	25.7	130	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	130	U	25.6	130	170	ug/Kg
123-91-1	1,4-Dioxane	130	U	45.2	130	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	130	U	27.4	130	170	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	139		35 - 115		92%	SPK: 150
13127-88-3	Phenol-d6	132		34 - 127		88%	SPK: 150
4165-60-0	Nitrobenzene-d5	88.9		37 - 122		89%	SPK: 100
321-60-8	2-Fluorobiphenyl	82.6		44 - 115		83%	SPK: 100
118-79-6	2,4,6-Tribromophenol	145		39 - 132		97%	SPK: 150
1718-51-0	Terphenyl-d14	83.3		54 - 127		83%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	158000	7.79
1146-65-2	Naphthalene-d8	605000	10.56
15067-26-2	Acenaphthene-d10	392000	14.395
1517-22-2	Phenanthrene-d10	838000	17.189
1719-03-5	Chrysene-d12	919000	21.63
1520-96-3	Perylene-d12	1040000	25.001

TENTATIVE IDENTIFIED COMPOUNDS

000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	300	A		4.94	ug/Kg
000110-34-9	Hexadecanoic acid, 2-methylpropyl	97.0	J		19.4	ug/Kg
000111-06-8	Hexadecanoic acid, butyl ester	180	J		19.6	ug/Kg
000123-95-5	Octadecanoic acid, butyl ester	140	J		20.7	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	
Project:	USACE018-44 DOD	Date Received:	
Client Sample ID:	PB169242BL	SDG No.:	Q2819
Lab Sample ID:	PB169242BL	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	100
Sample Wt/Vol:	30.01 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
BP025488.D	1	08/14/25 08:40	08/20/25 00:27	PB169242

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
------------	-----------	-------	-----------	-----	-----	------------	-------------------

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