

Hit Summary Sheet SW-846

SDG No.: Q2820
Client: First Environment, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID:	82H-W								
Q2820-02	82H-W	SOIL	Acetone	30.4		3.60	15.1	18.9	ug/Kg
Q2820-02	82H-W	SOIL	Carbon Disulfide	2.20	J	0.80	3.00	3.80	ug/Kg
Q2820-02	82H-W	SOIL	Methylene Chloride	4.60	J	2.70	6.00	7.60	ug/Kg
			Total Voc :	37.2					
Q2820-02	82H-W	SOIL	unknown12.928	* 6.40	J	0		0	ug/Kg
			Total Tics :	6.40					
			Total Concentration:	43.6					
Client ID:	82H-N								
Q2820-03	82H-N	SOIL	Acetone	12.1	J	3.60	15.0	18.8	ug/Kg
Q2820-03	82H-N	SOIL	Methylene Chloride	4.70	J	2.70	6.00	7.50	ug/Kg
			Total Voc :	16.8					
			Total Concentration:	16.8					
Client ID:	518R-E								
Q2820-05	518R-E	SOIL	Acetone	190		9.90	41.6	52.0	ug/Kg
Q2820-05	518R-E	SOIL	Methylene Chloride	11.0	J	7.30	16.6	20.8	ug/Kg
Q2820-05	518R-E	SOIL	2-Butanone	36.3	J	13.6	41.6	52.0	ug/Kg
			Total Voc :	237					
			Total Concentration:	237					
Client ID:	518R-N								
Q2820-06	518R-N	SOIL	Acetone	180		8.80	37.1	46.4	ug/Kg
Q2820-06	518R-N	SOIL	Carbon Disulfide	35.5		2.00	7.40	9.30	ug/Kg
			Total Voc :	216					
			Total Concentration:	216					
Client ID:	518R-W								
Q2820-08	518R-W	SOIL	Acetone	33.9		3.70	15.7	19.7	ug/Kg
Q2820-08	518R-W	SOIL	Methylene Chloride	6.60	J	2.80	6.30	7.90	ug/Kg
			Total Voc :	40.5					
			Total Concentration:	40.5					
Client ID:	705R-S								
Q2820-09	705R-S	SOIL	Acetone	30.8	J	6.60	28.0	35.0	ug/Kg
			Total Voc :	30.8					
			Total Concentration:	30.8					
Client ID:	SOIL-DUP-2								
Q2820-10	SOIL-DUP-2	SOIL	Acetone	91.9		9.10	38.3	47.9	ug/Kg
Q2820-10	SOIL-DUP-2	SOIL	Carbon Disulfide	6.60	J	2.00	7.70	9.60	ug/Kg
			Total Voc :	98.5					
			Total Concentration:	98.5					
Client ID:	10P-W								
Q2820-13	10P-W	SOIL	Acetone	9.30	J	2.80	12.0	15.0	ug/Kg

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SDG No.: Q2820

Client: First Environment, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Q2820-13	10P-W	SOIL	Methylene Chloride	3.30	J	2.10	4.80	6.00	ug/Kg
			Total Voc :	12.6					
			Total Concentration:	12.6					
Client ID:	10P-S								
Q2820-15	10P-S	SOIL	unknown12.651	* 6.90	J	0		0	ug/Kg
Q2820-15	10P-S	SOIL	unknown12.730	* 15.0	J	0		0	ug/Kg
Q2820-15	10P-S	SOIL	Naphthalene, decahydro-	* 19.2	J	0		0	ug/Kg
Q2820-15	10P-S	SOIL	Cyclohexane, (2-methylpropyl)	* 13.5	J	0		0	ug/Kg
Q2820-15	10P-S	SOIL	Naphthalene, decahydro-2-metl	* 12.8	J	0		0	ug/Kg
Q2820-15	10P-S	SOIL	2-Octene, 2,6-dimethyl-	* 11.5	J	0		0	ug/Kg
Q2820-15	10P-S	SOIL	1-Ethyl-2,2,6-trimethylcyclohe:	* 6.10	J	0		0	ug/Kg
Q2820-15	10P-S	SOIL	cis-Decalin, 2-syn-methyl-	* 6.20	J	0		0	ug/Kg
Q2820-15	10P-S	SOIL	3,4-Dimethylpent-2-en-1-ol	* 9.20	J	0		0	ug/Kg
Q2820-15	10P-S	SOIL	Isobutyl undecyl carbonate	* 6.60	J	0		0	ug/Kg
			Total Tics :	107					
			Total Concentration:	107					
Client ID:	88H-N								
Q2820-18	88H-N	SOIL	Acetone	64.0		3.60	15.3	19.1	ug/Kg
Q2820-18	88H-N	SOIL	2-Butanone	6.70	J	5.00	15.3	19.1	ug/Kg
			Total Voc :	70.7					
			Total Concentration:	70.7					
Client ID:	88H-W								
Q2820-19	88H-W	SOIL	Acetone	58.9		2.80	11.7	14.7	ug/Kg
Q2820-19	88H-W	SOIL	Methylene Chloride	3.80	J	2.10	4.70	5.90	ug/Kg
Q2820-19	88H-W	SOIL	2-Butanone	5.50	J	3.80	11.7	14.7	ug/Kg
			Total Voc :	68.2					
			Total Concentration:	68.2					
Client ID:	88H-S								
Q2820-20	88H-S	SOIL	Acetone	47.3		3.20	13.5	16.9	ug/Kg
			Total Voc :	47.3					
Q2820-20	88H-S	SOIL	Dimethyl sulfide	* 4.30	J	0		0	ug/Kg
			Total Tics :	4.30					
			Total Concentration:	51.6					
Client ID:	22M-W								
Q2820-22	22M-W	SOIL	Acetone	18.1	J	5.50	23.4	29.2	ug/Kg
Q2820-22	22M-W	SOIL	Carbon Disulfide	4.70	J	1.20	4.70	5.80	ug/Kg
			Total Voc :	22.8					
			Total Concentration:	22.8					
Client ID:	22M-S								
Q2820-24	22M-S	SOIL	Acetone	8.00	J	4.40	18.8	23.4	ug/Kg

Hit Summary Sheet
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SDG No.: Q2820

Client: First Environment, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Q2820-24	22M-S	SOIL	Carbon Disulfide	2.60	J	0.99	3.80	4.70	ug/Kg
			Total Voc :	10.6					
Q2820-24	22M-S	SOIL	unknown15.505	* 150	J	0		0	ug/Kg
Q2820-24	22M-S	SOIL	Naphthalene, decahydro-	* 91.7	J	0		0	ug/Kg
Q2820-24	22M-S	SOIL	Dodecane	* 64.1	J	0		0	ug/Kg
Q2820-24	22M-S	SOIL	Tridecane	* 100	J	0		0	ug/Kg
Q2820-24	22M-S	SOIL	Octane, 2,6-dimethyl-	* 310	J	0		0	ug/Kg
Q2820-24	22M-S	SOIL	1-Methyldecahydronaphthalene	* 91.3	J	0		0	ug/Kg
Q2820-24	22M-S	SOIL	Naphthalene, decahydro-2-metl	* 150	J	0		0	ug/Kg
Q2820-24	22M-S	SOIL	Dodecane, 2,6,10-trimethyl-	* 100	J	0		0	ug/Kg
Q2820-24	22M-S	SOIL	Undecane, 2,6-dimethyl-	* 250	J	0		0	ug/Kg
Q2820-24	22M-S	SOIL	Decahydro-1,1,4a,5,6-pentamet	* 120	J	0		0	ug/Kg
			Total Tics :	1430					
			Total Concentration:	1440					



SAMPLE DATA

A

B

C

D

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/06/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	82H-S	SDG No.:	Q2820
Lab Sample ID:	Q2820-01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	82.5
Sample Wt/Vol:	6.57 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY023141.D	1	08/19/25 11:20	VY081925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	3.70	U	1.10	3.70	4.60	ug/Kg
74-87-3	Chloromethane	2.30	U	1.10	2.30	4.60	ug/Kg
75-01-4	Vinyl Chloride	2.30	U	0.73	2.30	4.60	ug/Kg
74-83-9	Bromomethane	3.70	U	0.99	3.70	4.60	ug/Kg
75-00-3	Chloroethane	2.30	U	1.20	2.30	4.60	ug/Kg
75-69-4	Trichlorofluoromethane	3.70	U	1.10	3.70	4.60	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	2.30	U	0.98	2.30	4.60	ug/Kg
75-35-4	1,1-Dichloroethene	2.30	U	0.92	2.30	4.60	ug/Kg
67-64-1	Acetone	18.4	U	4.40	18.4	23.1	ug/Kg
75-15-0	Carbon Disulfide	3.70	U	0.98	3.70	4.60	ug/Kg
1634-04-4	Methyl tert-butyl Ether	2.30	U	0.67	2.30	4.60	ug/Kg
79-20-9	Methyl Acetate	3.70	U	1.40	3.70	4.60	ug/Kg
75-09-2	Methylene Chloride	7.40	U	3.30	7.40	9.20	ug/Kg
156-60-5	trans-1,2-Dichloroethene	2.30	U	0.79	2.30	4.60	ug/Kg
75-34-3	1,1-Dichloroethane	2.30	U	0.74	2.30	4.60	ug/Kg
110-82-7	Cyclohexane	2.30	U	0.73	2.30	4.60	ug/Kg
78-93-3	2-Butanone	18.4	U	6.00	18.4	23.1	ug/Kg
56-23-5	Carbon Tetrachloride	2.30	U	0.89	2.30	4.60	ug/Kg
156-59-2	cis-1,2-Dichloroethene	2.30	U	0.69	2.30	4.60	ug/Kg
74-97-5	Bromochloromethane	3.70	U	1.10	3.70	4.60	ug/Kg
67-66-3	Chloroform	3.70	U	0.77	3.70	4.60	ug/Kg
71-55-6	1,1,1-Trichloroethane	2.30	U	0.86	2.30	4.60	ug/Kg
108-87-2	Methylcyclohexane	2.30	U	0.84	2.30	4.60	ug/Kg
71-43-2	Benzene	2.30	U	0.73	2.30	4.60	ug/Kg
107-06-2	1,2-Dichloroethane	2.30	U	0.73	2.30	4.60	ug/Kg
79-01-6	Trichloroethene	2.30	U	0.75	2.30	4.60	ug/Kg
78-87-5	1,2-Dichloropropane	2.30	U	0.84	2.30	4.60	ug/Kg
75-27-4	Bromodichloromethane	2.30	U	0.72	2.30	4.60	ug/Kg
108-10-1	4-Methyl-2-Pentanone	11.5	U	3.30	11.5	23.1	ug/Kg
108-88-3	Toluene	2.30	U	0.72	2.30	4.60	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/06/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	82H-S	SDG No.:	Q2820
Lab Sample ID:	Q2820-01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	82.5
Sample Wt/Vol:	6.57 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY023141.D	1	08/19/25 11:20	VY081925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	2.30	U	0.60	2.30	4.60	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	2.30	U	0.57	2.30	4.60	ug/Kg
79-00-5	1,1,2-Trichloroethane	2.30	U	0.85	2.30	4.60	ug/Kg
591-78-6	2-Hexanone	11.5	U	3.40	11.5	23.1	ug/Kg
124-48-1	Dibromochloromethane	2.30	U	0.80	2.30	4.60	ug/Kg
106-93-4	1,2-Dibromoethane	2.30	U	0.81	2.30	4.60	ug/Kg
127-18-4	Tetrachloroethene	2.30	U	0.97	2.30	4.60	ug/Kg
108-90-7	Chlorobenzene	2.30	U	0.84	2.30	4.60	ug/Kg
100-41-4	Ethyl Benzene	2.30	U	0.62	2.30	4.60	ug/Kg
179601-23-1	m/p-Xylenes	4.60	U	1.10	4.60	9.20	ug/Kg
95-47-6	o-Xylene	2.30	U	0.76	2.30	4.60	ug/Kg
100-42-5	Styrene	2.30	U	0.65	2.30	4.60	ug/Kg
75-25-2	Bromoform	2.30	U	0.79	2.30	4.60	ug/Kg
98-82-8	Isopropylbenzene	2.30	U	0.72	2.30	4.60	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	2.30	U	1.10	2.30	4.60	ug/Kg
541-73-1	1,3-Dichlorobenzene	2.30	U	1.60	2.30	4.60	ug/Kg
106-46-7	1,4-Dichlorobenzene	2.30	U	1.40	2.30	4.60	ug/Kg
95-50-1	1,2-Dichlorobenzene	2.30	U	1.30	2.30	4.60	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3.70	U	1.70	3.70	4.60	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	3.70	U	2.70	3.70	4.60	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	3.70	U	2.90	3.70	4.60	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	52.2		71 - 136		104%	SPK: 50
1868-53-7	Dibromofluoromethane	51.1		78 - 119		102%	SPK: 50
2037-26-5	Toluene-d8	50.7		85 - 116		101%	SPK: 50
460-00-4	4-Bromofluorobenzene	42.2		79 - 119		84%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	633000	7.707				
540-36-3	1,4-Difluorobenzene	1180000	8.616				
3114-55-4	Chlorobenzene-d5	988000	11.414				
3855-82-1	1,4-Dichlorobenzene-d4	334000	13.347				

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/06/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	82H-S	SDG No.:	Q2820
Lab Sample ID:	Q2820-01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	82.5
Sample Wt/Vol:	6.57	Units:	g
Soil Aliquot Vol:			uL
GC Column:	RXI-624	ID :	0.25
Prep Method :		Level :	LOW
		Final Vol:	5000
		Test:	VOC-TCLVOA-10

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY023141.D	1	08/19/25 11:20	VY081925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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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

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/06/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	82H-W	SDG No.:	Q2820
Lab Sample ID:	Q2820-02	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	83.5
Sample Wt/Vol:	7.92 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032085.D	1	08/14/25 12:02	VW081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	3.00	U	0.86	3.00	3.80	ug/Kg
74-87-3	Chloromethane	1.90	U	0.86	1.90	3.80	ug/Kg
75-01-4	Vinyl Chloride	1.90	U	0.60	1.90	3.80	ug/Kg
74-83-9	Bromomethane	3.00	U	0.81	3.00	3.80	ug/Kg
75-00-3	Chloroethane	1.90	U	0.95	1.90	3.80	ug/Kg
75-69-4	Trichlorofluoromethane	3.00	U	0.91	3.00	3.80	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.90	U	0.80	1.90	3.80	ug/Kg
75-35-4	1,1-Dichloroethene	1.90	U	0.76	1.90	3.80	ug/Kg
67-64-1	Acetone	30.4		3.60	15.1	18.9	ug/Kg
75-15-0	Carbon Disulfide	2.20	J	0.80	3.00	3.80	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.90	U	0.55	1.90	3.80	ug/Kg
79-20-9	Methyl Acetate	3.00	U	1.20	3.00	3.80	ug/Kg
75-09-2	Methylene Chloride	4.60	J	2.70	6.00	7.60	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.90	U	0.65	1.90	3.80	ug/Kg
75-34-3	1,1-Dichloroethane	1.90	U	0.60	1.90	3.80	ug/Kg
110-82-7	Cyclohexane	1.90	U	0.60	1.90	3.80	ug/Kg
78-93-3	2-Butanone	15.1	U	4.90	15.1	18.9	ug/Kg
56-23-5	Carbon Tetrachloride	1.90	U	0.73	1.90	3.80	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1.90	U	0.57	1.90	3.80	ug/Kg
74-97-5	Bromochloromethane	3.00	U	0.87	3.00	3.80	ug/Kg
67-66-3	Chloroform	3.00	U	0.64	3.00	3.80	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.90	U	0.70	1.90	3.80	ug/Kg
108-87-2	Methylcyclohexane	1.90	U	0.69	1.90	3.80	ug/Kg
71-43-2	Benzene	1.90	U	0.60	1.90	3.80	ug/Kg
107-06-2	1,2-Dichloroethane	1.90	U	0.60	1.90	3.80	ug/Kg
79-01-6	Trichloroethene	1.90	U	0.61	1.90	3.80	ug/Kg
78-87-5	1,2-Dichloropropane	1.90	U	0.69	1.90	3.80	ug/Kg
75-27-4	Bromodichloromethane	1.90	U	0.59	1.90	3.80	ug/Kg
108-10-1	4-Methyl-2-Pentanone	9.50	U	2.70	9.50	18.9	ug/Kg
108-88-3	Toluene	1.90	U	0.59	1.90	3.80	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/06/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	82H-W	SDG No.:	Q2820
Lab Sample ID:	Q2820-02	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	83.5
Sample Wt/Vol:	7.92	Units:	g
Soil Aliquot Vol:			uL
GC Column:	RXI-624	ID :	0.25
Prep Method :		Level :	LOW

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032085.D	1	08/14/25 12:02	VW081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	1.90	U	0.49	1.90	3.80	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1.90	U	0.47	1.90	3.80	ug/Kg
79-00-5	1,1,2-Trichloroethane	1.90	U	0.70	1.90	3.80	ug/Kg
591-78-6	2-Hexanone	9.50	U	2.80	9.50	18.9	ug/Kg
124-48-1	Dibromochloromethane	1.90	U	0.66	1.90	3.80	ug/Kg
106-93-4	1,2-Dibromoethane	1.90	U	0.67	1.90	3.80	ug/Kg
127-18-4	Tetrachloroethene	1.90	U	0.79	1.90	3.80	ug/Kg
108-90-7	Chlorobenzene	1.90	U	0.69	1.90	3.80	ug/Kg
100-41-4	Ethyl Benzene	1.90	U	0.51	1.90	3.80	ug/Kg
179601-23-1	m/p-Xylenes	3.80	U	0.94	3.80	7.60	ug/Kg
95-47-6	o-Xylene	1.90	U	0.62	1.90	3.80	ug/Kg
100-42-5	Styrene	1.90	U	0.54	1.90	3.80	ug/Kg
75-25-2	Bromoform	1.90	U	0.65	1.90	3.80	ug/Kg
98-82-8	Isopropylbenzene	1.90	U	0.59	1.90	3.80	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.90	U	0.91	1.90	3.80	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.90	U	1.30	1.90	3.80	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.90	U	1.20	1.90	3.80	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.90	U	1.10	1.90	3.80	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3.00	U	1.40	3.00	3.80	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	3.00	U	2.20	3.00	3.80	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	3.00	U	2.40	3.00	3.80	ug/Kg

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	58.2	71 - 136	116%	SPK: 50
1868-53-7	Dibromofluoromethane	55.4	78 - 119	111%	SPK: 50
2037-26-5	Toluene-d8	50.8	85 - 116	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.6	79 - 119	103%	SPK: 50

INTERNAL STANDARDS

363-72-4	Pentafluorobenzene	151000	7.965
540-36-3	1,4-Difluorobenzene	312000	8.855
3114-55-4	Chlorobenzene-d5	317000	11.629
3855-82-1	1,4-Dichlorobenzene-d4	149000	13.556

TENTATIVE IDENTIFIED COMPOUNDS

C

D

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/06/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	82H-W	SDG No.:	Q2820
Lab Sample ID:	Q2820-02	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	83.5
Sample Wt/Vol:	7.92 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032085.D	1	08/14/25 12:02	VW081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
	unknown12.928	6.40	J			12.9	ug/Kg

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

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/06/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	82H-N	SDG No.:	Q2820
Lab Sample ID:	Q2820-03	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	87.4
Sample Wt/Vol:	7.62 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032086.D	1	08/14/25 12:24	VW081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	3.00	U	0.86	3.00	3.80	ug/Kg
74-87-3	Chloromethane	1.90	U	0.86	1.90	3.80	ug/Kg
75-01-4	Vinyl Chloride	1.90	U	0.59	1.90	3.80	ug/Kg
74-83-9	Bromomethane	3.00	U	0.80	3.00	3.80	ug/Kg
75-00-3	Chloroethane	1.90	U	0.95	1.90	3.80	ug/Kg
75-69-4	Trichlorofluoromethane	3.00	U	0.91	3.00	3.80	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.90	U	0.80	1.90	3.80	ug/Kg
75-35-4	1,1-Dichloroethene	1.90	U	0.75	1.90	3.80	ug/Kg
67-64-1	Acetone	12.1	J	3.60	15.0	18.8	ug/Kg
75-15-0	Carbon Disulfide	3.00	U	0.80	3.00	3.80	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.90	U	0.55	1.90	3.80	ug/Kg
79-20-9	Methyl Acetate	3.00	U	1.20	3.00	3.80	ug/Kg
75-09-2	Methylene Chloride	4.70	J	2.70	6.00	7.50	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.90	U	0.65	1.90	3.80	ug/Kg
75-34-3	1,1-Dichloroethane	1.90	U	0.60	1.90	3.80	ug/Kg
110-82-7	Cyclohexane	1.90	U	0.59	1.90	3.80	ug/Kg
78-93-3	2-Butanone	15.0	U	4.90	15.0	18.8	ug/Kg
56-23-5	Carbon Tetrachloride	1.90	U	0.73	1.90	3.80	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1.90	U	0.56	1.90	3.80	ug/Kg
74-97-5	Bromochloromethane	3.00	U	0.86	3.00	3.80	ug/Kg
67-66-3	Chloroform	3.00	U	0.63	3.00	3.80	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.90	U	0.70	1.90	3.80	ug/Kg
108-87-2	Methylcyclohexane	1.90	U	0.68	1.90	3.80	ug/Kg
71-43-2	Benzene	1.90	U	0.59	1.90	3.80	ug/Kg
107-06-2	1,2-Dichloroethane	1.90	U	0.59	1.90	3.80	ug/Kg
79-01-6	Trichloroethene	1.90	U	0.61	1.90	3.80	ug/Kg
78-87-5	1,2-Dichloropropane	1.90	U	0.68	1.90	3.80	ug/Kg
75-27-4	Bromodichloromethane	1.90	U	0.59	1.90	3.80	ug/Kg
108-10-1	4-Methyl-2-Pentanone	9.40	U	2.70	9.40	18.8	ug/Kg
108-88-3	Toluene	1.90	U	0.59	1.90	3.80	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/06/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	82H-N	SDG No.:	Q2820
Lab Sample ID:	Q2820-03	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	87.4
Sample Wt/Vol:	7.62 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032086.D	1	08/14/25 12:24	VW081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	1.90	U	0.49	1.90	3.80	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1.90	U	0.47	1.90	3.80	ug/Kg
79-00-5	1,1,2-Trichloroethane	1.90	U	0.69	1.90	3.80	ug/Kg
591-78-6	2-Hexanone	9.40	U	2.80	9.40	18.8	ug/Kg
124-48-1	Dibromochloromethane	1.90	U	0.65	1.90	3.80	ug/Kg
106-93-4	1,2-Dibromoethane	1.90	U	0.66	1.90	3.80	ug/Kg
127-18-4	Tetrachloroethene	1.90	U	0.79	1.90	3.80	ug/Kg
108-90-7	Chlorobenzene	1.90	U	0.68	1.90	3.80	ug/Kg
100-41-4	Ethyl Benzene	1.90	U	0.50	1.90	3.80	ug/Kg
179601-23-1	m/p-Xylenes	3.80	U	0.93	3.80	7.50	ug/Kg
95-47-6	o-Xylene	1.90	U	0.62	1.90	3.80	ug/Kg
100-42-5	Styrene	1.90	U	0.53	1.90	3.80	ug/Kg
75-25-2	Bromoform	1.90	U	0.65	1.90	3.80	ug/Kg
98-82-8	Isopropylbenzene	1.90	U	0.59	1.90	3.80	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.90	U	0.91	1.90	3.80	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.90	U	1.30	1.90	3.80	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.90	U	1.20	1.90	3.80	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.90	U	1.10	1.90	3.80	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3.00	U	1.40	3.00	3.80	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	3.00	U	2.20	3.00	3.80	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	3.00	U	2.40	3.00	3.80	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	57.5		71 - 136		115%	SPK: 50
1868-53-7	Dibromofluoromethane	55.7		78 - 119		111%	SPK: 50
2037-26-5	Toluene-d8	52.2		85 - 116		104%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.2		79 - 119		104%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	158000	7.965				
540-36-3	1,4-Difluorobenzene	312000	8.849				
3114-55-4	Chlorobenzene-d5	306000	11.629				
3855-82-1	1,4-Dichlorobenzene-d4	150000	13.556				

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/06/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	82H-N	SDG No.:	Q2820
Lab Sample ID:	Q2820-03	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	87.4
Sample Wt/Vol:	7.62 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032086.D	1	08/14/25 12:24	VW081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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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

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/06/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	SOIL-DUP-1	SDG No.:	Q2820
Lab Sample ID:	Q2820-04	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	86.8
Sample Wt/Vol:	7.8 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032087.D	1	08/14/25 12:46	VW081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	3.00	U	0.84	3.00	3.70	ug/Kg
74-87-3	Chloromethane	1.80	U	0.84	1.80	3.70	ug/Kg
75-01-4	Vinyl Chloride	1.80	U	0.58	1.80	3.70	ug/Kg
74-83-9	Bromomethane	3.00	U	0.79	3.00	3.70	ug/Kg
75-00-3	Chloroethane	1.80	U	0.93	1.80	3.70	ug/Kg
75-69-4	Trichlorofluoromethane	3.00	U	0.89	3.00	3.70	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.80	U	0.78	1.80	3.70	ug/Kg
75-35-4	1,1-Dichloroethene	1.80	U	0.74	1.80	3.70	ug/Kg
67-64-1	Acetone	14.8	U	3.50	14.8	18.5	ug/Kg
75-15-0	Carbon Disulfide	3.00	U	0.78	3.00	3.70	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.80	U	0.54	1.80	3.70	ug/Kg
79-20-9	Methyl Acetate	3.00	U	1.10	3.00	3.70	ug/Kg
75-09-2	Methylene Chloride	5.90	U	2.60	5.90	7.40	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.80	U	0.64	1.80	3.70	ug/Kg
75-34-3	1,1-Dichloroethane	1.80	U	0.59	1.80	3.70	ug/Kg
110-82-7	Cyclohexane	1.80	U	0.58	1.80	3.70	ug/Kg
78-93-3	2-Butanone	14.8	U	4.80	14.8	18.5	ug/Kg
56-23-5	Carbon Tetrachloride	1.80	U	0.72	1.80	3.70	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1.80	U	0.55	1.80	3.70	ug/Kg
74-97-5	Bromochloromethane	3.00	U	0.85	3.00	3.70	ug/Kg
67-66-3	Chloroform	3.00	U	0.62	3.00	3.70	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.80	U	0.69	1.80	3.70	ug/Kg
108-87-2	Methylcyclohexane	1.80	U	0.67	1.80	3.70	ug/Kg
71-43-2	Benzene	1.80	U	0.58	1.80	3.70	ug/Kg
107-06-2	1,2-Dichloroethane	1.80	U	0.58	1.80	3.70	ug/Kg
79-01-6	Trichloroethene	1.80	U	0.60	1.80	3.70	ug/Kg
78-87-5	1,2-Dichloropropane	1.80	U	0.67	1.80	3.70	ug/Kg
75-27-4	Bromodichloromethane	1.80	U	0.58	1.80	3.70	ug/Kg
108-10-1	4-Methyl-2-Pentanone	9.20	U	2.60	9.20	18.5	ug/Kg
108-88-3	Toluene	1.80	U	0.58	1.80	3.70	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/06/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	SOIL-DUP-1	SDG No.:	Q2820
Lab Sample ID:	Q2820-04	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	86.8
Sample Wt/Vol:	7.8 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032087.D	1	08/14/25 12:46	VW081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	1.80	U	0.48	1.80	3.70	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1.80	U	0.46	1.80	3.70	ug/Kg
79-00-5	1,1,2-Trichloroethane	1.80	U	0.68	1.80	3.70	ug/Kg
591-78-6	2-Hexanone	9.20	U	2.70	9.20	18.5	ug/Kg
124-48-1	Dibromochloromethane	1.80	U	0.64	1.80	3.70	ug/Kg
106-93-4	1,2-Dibromoethane	1.80	U	0.65	1.80	3.70	ug/Kg
127-18-4	Tetrachloroethene	1.80	U	0.78	1.80	3.70	ug/Kg
108-90-7	Chlorobenzene	1.80	U	0.67	1.80	3.70	ug/Kg
100-41-4	Ethyl Benzene	1.80	U	0.49	1.80	3.70	ug/Kg
179601-23-1	m/p-Xylenes	3.70	U	0.92	3.70	7.40	ug/Kg
95-47-6	o-Xylene	1.80	U	0.61	1.80	3.70	ug/Kg
100-42-5	Styrene	1.80	U	0.52	1.80	3.70	ug/Kg
75-25-2	Bromoform	1.80	U	0.64	1.80	3.70	ug/Kg
98-82-8	Isopropylbenzene	1.80	U	0.58	1.80	3.70	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.80	U	0.89	1.80	3.70	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.80	U	1.30	1.80	3.70	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.80	U	1.20	1.80	3.70	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.80	U	1.10	1.80	3.70	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3.00	U	1.40	3.00	3.70	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	3.00	U	2.20	3.00	3.70	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	3.00	U	2.30	3.00	3.70	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	58.1		71 - 136		116%	SPK: 50
1868-53-7	Dibromofluoromethane	56.6		78 - 119		113%	SPK: 50
2037-26-5	Toluene-d8	51.4		85 - 116		103%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.7		79 - 119		101%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	155000	7.965				
540-36-3	1,4-Difluorobenzene	307000	8.855				
3114-55-4	Chlorobenzene-d5	312000	11.629				
3855-82-1	1,4-Dichlorobenzene-d4	148000	13.556				

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/06/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	SOIL-DUP-1	SDG No.:	Q2820
Lab Sample ID:	Q2820-04	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	86.8
Sample Wt/Vol:	7.8 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032087.D	1	08/14/25 12:46	VW081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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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

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-E	SDG No.:	Q2820
Lab Sample ID:	Q2820-05	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	48.8
Sample Wt/Vol:	4.93 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032088.D	1	08/14/25 13:09	VW081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	8.30	U	2.40	8.30	10.4	ug/Kg
74-87-3	Chloromethane	5.20	U	2.40	5.20	10.4	ug/Kg
75-01-4	Vinyl Chloride	5.20	U	1.60	5.20	10.4	ug/Kg
74-83-9	Bromomethane	8.30	U	2.20	8.30	10.4	ug/Kg
75-00-3	Chloroethane	5.20	U	2.60	5.20	10.4	ug/Kg
75-69-4	Trichlorofluoromethane	8.30	U	2.50	8.30	10.4	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	5.20	U	2.20	5.20	10.4	ug/Kg
75-35-4	1,1-Dichloroethene	5.20	U	2.10	5.20	10.4	ug/Kg
67-64-1	Acetone	190		9.90	41.6	52.0	ug/Kg
75-15-0	Carbon Disulfide	8.30	U	2.20	8.30	10.4	ug/Kg
1634-04-4	Methyl tert-butyl Ether	5.20	U	1.50	5.20	10.4	ug/Kg
79-20-9	Methyl Acetate	8.30	U	3.20	8.30	10.4	ug/Kg
75-09-2	Methylene Chloride	11.0	J	7.30	16.6	20.8	ug/Kg
156-60-5	trans-1,2-Dichloroethene	5.20	U	1.80	5.20	10.4	ug/Kg
75-34-3	1,1-Dichloroethane	5.20	U	1.70	5.20	10.4	ug/Kg
110-82-7	Cyclohexane	5.20	U	1.60	5.20	10.4	ug/Kg
78-93-3	2-Butanone	36.3	J	13.6	41.6	52.0	ug/Kg
56-23-5	Carbon Tetrachloride	5.20	U	2.00	5.20	10.4	ug/Kg
156-59-2	cis-1,2-Dichloroethene	5.20	U	1.60	5.20	10.4	ug/Kg
74-97-5	Bromochloromethane	8.30	U	2.40	8.30	10.4	ug/Kg
67-66-3	Chloroform	8.30	U	1.70	8.30	10.4	ug/Kg
71-55-6	1,1,1-Trichloroethane	5.20	U	1.90	5.20	10.4	ug/Kg
108-87-2	Methylcyclohexane	5.20	U	1.90	5.20	10.4	ug/Kg
71-43-2	Benzene	5.20	U	1.60	5.20	10.4	ug/Kg
107-06-2	1,2-Dichloroethane	5.20	U	1.60	5.20	10.4	ug/Kg
79-01-6	Trichloroethene	5.20	U	1.70	5.20	10.4	ug/Kg
78-87-5	1,2-Dichloropropane	5.20	U	1.90	5.20	10.4	ug/Kg
75-27-4	Bromodichloromethane	5.20	U	1.60	5.20	10.4	ug/Kg
108-10-1	4-Methyl-2-Pentanone	26.0	U	7.40	26.0	52.0	ug/Kg
108-88-3	Toluene	5.20	U	1.60	5.20	10.4	ug/Kg

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-E	SDG No.:	Q2820
Lab Sample ID:	Q2820-05	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	48.8
Sample Wt/Vol:	4.93 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032088.D	1	08/14/25 13:09	VW081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	5.20	U	1.40	5.20	10.4	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	5.20	U	1.30	5.20	10.4	ug/Kg
79-00-5	1,1,2-Trichloroethane	5.20	U	1.90	5.20	10.4	ug/Kg
591-78-6	2-Hexanone	26.0	U	7.70	26.0	52.0	ug/Kg
124-48-1	Dibromochloromethane	5.20	U	1.80	5.20	10.4	ug/Kg
106-93-4	1,2-Dibromoethane	5.20	U	1.80	5.20	10.4	ug/Kg
127-18-4	Tetrachloroethene	5.20	U	2.20	5.20	10.4	ug/Kg
108-90-7	Chlorobenzene	5.20	U	1.90	5.20	10.4	ug/Kg
100-41-4	Ethyl Benzene	5.20	U	1.40	5.20	10.4	ug/Kg
179601-23-1	m/p-Xylenes	10.4	U	2.60	10.4	20.8	ug/Kg
95-47-6	o-Xylene	5.20	U	1.70	5.20	10.4	ug/Kg
100-42-5	Styrene	5.20	U	1.50	5.20	10.4	ug/Kg
75-25-2	Bromoform	5.20	U	1.80	5.20	10.4	ug/Kg
98-82-8	Isopropylbenzene	5.20	U	1.60	5.20	10.4	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	5.20	U	2.50	5.20	10.4	ug/Kg
541-73-1	1,3-Dichlorobenzene	5.20	U	3.60	5.20	10.4	ug/Kg
106-46-7	1,4-Dichlorobenzene	5.20	U	3.20	5.20	10.4	ug/Kg
95-50-1	1,2-Dichlorobenzene	5.20	U	3.00	5.20	10.4	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	8.30	U	3.80	8.30	10.4	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	8.30	U	6.20	8.30	10.4	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	8.30	U	6.60	8.30	10.4	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	59.5		71 - 136		119%	SPK: 50
1868-53-7	Dibromofluoromethane	56.2		78 - 119		112%	SPK: 50
2037-26-5	Toluene-d8	50.2		85 - 116		100%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.2		79 - 119		94%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	143000	7.965				
540-36-3	1,4-Difluorobenzene	288000	8.855				
3114-55-4	Chlorobenzene-d5	280000	11.629				
3855-82-1	1,4-Dichlorobenzene-d4	126000	13.556				

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-E	SDG No.:	Q2820
Lab Sample ID:	Q2820-05	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	48.8
Sample Wt/Vol:	4.93 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032088.D	1	08/14/25 13:09	VW081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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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

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:	8260D	% Solid:	77.4
Sample Wt/Vol:	3.48 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032089.D	1	08/14/25 13:31	VW081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	7.40	U	2.10	7.40	9.30	ug/Kg
74-87-3	Chloromethane	4.60	U	2.10	4.60	9.30	ug/Kg
75-01-4	Vinyl Chloride	4.60	U	1.50	4.60	9.30	ug/Kg
74-83-9	Bromomethane	7.40	U	2.00	7.40	9.30	ug/Kg
75-00-3	Chloroethane	4.60	U	2.30	4.60	9.30	ug/Kg
75-69-4	Trichlorofluoromethane	7.40	U	2.20	7.40	9.30	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	4.60	U	2.00	4.60	9.30	ug/Kg
75-35-4	1,1-Dichloroethene	4.60	U	1.90	4.60	9.30	ug/Kg
67-64-1	Acetone	180		8.80	37.1	46.4	ug/Kg
75-15-0	Carbon Disulfide	35.5		2.00	7.40	9.30	ug/Kg
1634-04-4	Methyl tert-butyl Ether	4.60	U	1.40	4.60	9.30	ug/Kg
79-20-9	Methyl Acetate	7.40	U	2.90	7.40	9.30	ug/Kg
75-09-2	Methylene Chloride	14.9	U	6.60	14.9	18.6	ug/Kg
156-60-5	trans-1,2-Dichloroethene	4.60	U	1.60	4.60	9.30	ug/Kg
75-34-3	1,1-Dichloroethane	4.60	U	1.50	4.60	9.30	ug/Kg
110-82-7	Cyclohexane	4.60	U	1.50	4.60	9.30	ug/Kg
78-93-3	2-Butanone	37.1	U	12.1	37.1	46.4	ug/Kg
56-23-5	Carbon Tetrachloride	4.60	U	1.80	4.60	9.30	ug/Kg
156-59-2	cis-1,2-Dichloroethene	4.60	U	1.40	4.60	9.30	ug/Kg
74-97-5	Bromochloromethane	7.40	U	2.10	7.40	9.30	ug/Kg
67-66-3	Chloroform	7.40	U	1.60	7.40	9.30	ug/Kg
71-55-6	1,1,1-Trichloroethane	4.60	U	1.70	4.60	9.30	ug/Kg
108-87-2	Methylcyclohexane	4.60	U	1.70	4.60	9.30	ug/Kg
71-43-2	Benzene	4.60	U	1.50	4.60	9.30	ug/Kg
107-06-2	1,2-Dichloroethane	4.60	U	1.50	4.60	9.30	ug/Kg
79-01-6	Trichloroethene	4.60	U	1.50	4.60	9.30	ug/Kg
78-87-5	1,2-Dichloropropane	4.60	U	1.70	4.60	9.30	ug/Kg
75-27-4	Bromodichloromethane	4.60	U	1.40	4.60	9.30	ug/Kg
108-10-1	4-Methyl-2-Pentanone	23.2	U	6.60	23.2	46.4	ug/Kg
108-88-3	Toluene	4.60	U	1.40	4.60	9.30	ug/Kg

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:	8260D	% Solid:	77.4
Sample Wt/Vol:	3.48 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032089.D	1	08/14/25 13:31	VW081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	4.60	U	1.20	4.60	9.30	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	4.60	U	1.20	4.60	9.30	ug/Kg
79-00-5	1,1,2-Trichloroethane	4.60	U	1.70	4.60	9.30	ug/Kg
591-78-6	2-Hexanone	23.2	U	6.80	23.2	46.4	ug/Kg
124-48-1	Dibromochloromethane	4.60	U	1.60	4.60	9.30	ug/Kg
106-93-4	1,2-Dibromoethane	4.60	U	1.60	4.60	9.30	ug/Kg
127-18-4	Tetrachloroethene	4.60	U	1.90	4.60	9.30	ug/Kg
108-90-7	Chlorobenzene	4.60	U	1.70	4.60	9.30	ug/Kg
100-41-4	Ethyl Benzene	4.60	U	1.20	4.60	9.30	ug/Kg
179601-23-1	m/p-Xylenes	9.30	U	2.30	9.30	18.6	ug/Kg
95-47-6	o-Xylene	4.60	U	1.50	4.60	9.30	ug/Kg
100-42-5	Styrene	4.60	U	1.30	4.60	9.30	ug/Kg
75-25-2	Bromoform	4.60	U	1.60	4.60	9.30	ug/Kg
98-82-8	Isopropylbenzene	4.60	U	1.40	4.60	9.30	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	4.60	U	2.20	4.60	9.30	ug/Kg
541-73-1	1,3-Dichlorobenzene	4.60	U	3.20	4.60	9.30	ug/Kg
106-46-7	1,4-Dichlorobenzene	4.60	U	2.90	4.60	9.30	ug/Kg
95-50-1	1,2-Dichlorobenzene	4.60	U	2.70	4.60	9.30	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	7.40	U	3.40	7.40	9.30	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	7.40	U	5.50	7.40	9.30	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	7.40	U	5.90	7.40	9.30	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	54.5		71 - 136		109%	SPK: 50
1868-53-7	Dibromofluoromethane	54.8		78 - 119		110%	SPK: 50
2037-26-5	Toluene-d8	48.4		85 - 116		97%	SPK: 50
460-00-4	4-Bromofluorobenzene	41.0		79 - 119		82%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	136000	7.965				
540-36-3	1,4-Difluorobenzene	268000	8.849				
3114-55-4	Chlorobenzene-d5	244000	11.629				
3855-82-1	1,4-Dichlorobenzene-d4	97100	13.556				

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:	8260D	% Solid:	77.4
Sample Wt/Vol:	3.48 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032089.D	1	08/14/25 13:31	VW081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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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

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-S	SDG No.:	Q2820
Lab Sample ID:	Q2820-07	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	78.6
Sample Wt/Vol:	6.26 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032090.D	1	08/14/25 13:54	VW081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	4.10	U	1.20	4.10	5.10	ug/Kg
74-87-3	Chloromethane	2.50	U	1.20	2.50	5.10	ug/Kg
75-01-4	Vinyl Chloride	2.50	U	0.80	2.50	5.10	ug/Kg
74-83-9	Bromomethane	4.10	U	1.10	4.10	5.10	ug/Kg
75-00-3	Chloroethane	2.50	U	1.30	2.50	5.10	ug/Kg
75-69-4	Trichlorofluoromethane	4.10	U	1.20	4.10	5.10	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	2.50	U	1.10	2.50	5.10	ug/Kg
75-35-4	1,1-Dichloroethene	2.50	U	1.00	2.50	5.10	ug/Kg
67-64-1	Acetone	20.3	U	4.80	20.3	25.4	ug/Kg
75-15-0	Carbon Disulfide	4.10	U	1.10	4.10	5.10	ug/Kg
1634-04-4	Methyl tert-butyl Ether	2.50	U	0.74	2.50	5.10	ug/Kg
79-20-9	Methyl Acetate	4.10	U	1.60	4.10	5.10	ug/Kg
75-09-2	Methylene Chloride	8.10	U	3.60	8.10	10.2	ug/Kg
156-60-5	trans-1,2-Dichloroethene	2.50	U	0.87	2.50	5.10	ug/Kg
75-34-3	1,1-Dichloroethane	2.50	U	0.81	2.50	5.10	ug/Kg
110-82-7	Cyclohexane	2.50	U	0.80	2.50	5.10	ug/Kg
78-93-3	2-Butanone	20.3	U	6.60	20.3	25.4	ug/Kg
56-23-5	Carbon Tetrachloride	2.50	U	0.99	2.50	5.10	ug/Kg
156-59-2	cis-1,2-Dichloroethene	2.50	U	0.76	2.50	5.10	ug/Kg
74-97-5	Bromochloromethane	4.10	U	1.20	4.10	5.10	ug/Kg
67-66-3	Chloroform	4.10	U	0.85	4.10	5.10	ug/Kg
71-55-6	1,1,1-Trichloroethane	2.50	U	0.95	2.50	5.10	ug/Kg
108-87-2	Methylcyclohexane	2.50	U	0.92	2.50	5.10	ug/Kg
71-43-2	Benzene	2.50	U	0.80	2.50	5.10	ug/Kg
107-06-2	1,2-Dichloroethane	2.50	U	0.80	2.50	5.10	ug/Kg
79-01-6	Trichloroethene	2.50	U	0.82	2.50	5.10	ug/Kg
78-87-5	1,2-Dichloropropane	2.50	U	0.92	2.50	5.10	ug/Kg
75-27-4	Bromodichloromethane	2.50	U	0.79	2.50	5.10	ug/Kg
108-10-1	4-Methyl-2-Pentanone	12.7	U	3.60	12.7	25.4	ug/Kg
108-88-3	Toluene	2.50	U	0.79	2.50	5.10	ug/Kg

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-S	SDG No.:	Q2820
Lab Sample ID:	Q2820-07	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	78.6
Sample Wt/Vol:	6.26 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032090.D	1	08/14/25 13:54	VW081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	2.50	U	0.66	2.50	5.10	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	2.50	U	0.63	2.50	5.10	ug/Kg
79-00-5	1,1,2-Trichloroethane	2.50	U	0.93	2.50	5.10	ug/Kg
591-78-6	2-Hexanone	12.7	U	3.70	12.7	25.4	ug/Kg
124-48-1	Dibromochloromethane	2.50	U	0.88	2.50	5.10	ug/Kg
106-93-4	1,2-Dibromoethane	2.50	U	0.89	2.50	5.10	ug/Kg
127-18-4	Tetrachloroethene	2.50	U	1.10	2.50	5.10	ug/Kg
108-90-7	Chlorobenzene	2.50	U	0.92	2.50	5.10	ug/Kg
100-41-4	Ethyl Benzene	2.50	U	0.68	2.50	5.10	ug/Kg
179601-23-1	m/p-Xylenes	5.10	U	1.30	5.10	10.2	ug/Kg
95-47-6	o-Xylene	2.50	U	0.83	2.50	5.10	ug/Kg
100-42-5	Styrene	2.50	U	0.72	2.50	5.10	ug/Kg
75-25-2	Bromoform	2.50	U	0.87	2.50	5.10	ug/Kg
98-82-8	Isopropylbenzene	2.50	U	0.79	2.50	5.10	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	2.50	U	1.20	2.50	5.10	ug/Kg
541-73-1	1,3-Dichlorobenzene	2.50	U	1.70	2.50	5.10	ug/Kg
106-46-7	1,4-Dichlorobenzene	2.50	U	1.60	2.50	5.10	ug/Kg
95-50-1	1,2-Dichlorobenzene	2.50	U	1.50	2.50	5.10	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	4.10	U	1.90	4.10	5.10	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	4.10	U	3.00	4.10	5.10	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	4.10	U	3.20	4.10	5.10	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	57.2		71 - 136		114%	SPK: 50
1868-53-7	Dibromofluoromethane	54.7		78 - 119		109%	SPK: 50
2037-26-5	Toluene-d8	48.0		85 - 116		96%	SPK: 50
460-00-4	4-Bromofluorobenzene	45.9		79 - 119		92%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	146000	7.965				
540-36-3	1,4-Difluorobenzene	301000	8.855				
3114-55-4	Chlorobenzene-d5	281000	11.629				
3855-82-1	1,4-Dichlorobenzene-d4	122000	13.556				

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-S	SDG No.:	Q2820
Lab Sample ID:	Q2820-07	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	78.6
Sample Wt/Vol:	6.26 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032090.D	1	08/14/25 13:54	VW081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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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

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-W	SDG No.:	Q2820
Lab Sample ID:	Q2820-08	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	89
Sample Wt/Vol:	7.14 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032091.D	1	08/14/25 14:16	VW081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	3.10	U	0.90	3.10	3.90	ug/Kg
74-87-3	Chloromethane	2.00	U	0.90	2.00	3.90	ug/Kg
75-01-4	Vinyl Chloride	2.00	U	0.62	2.00	3.90	ug/Kg
74-83-9	Bromomethane	3.10	U	0.84	3.10	3.90	ug/Kg
75-00-3	Chloroethane	2.00	U	0.99	2.00	3.90	ug/Kg
75-69-4	Trichlorofluoromethane	3.10	U	0.95	3.10	3.90	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	2.00	U	0.83	2.00	3.90	ug/Kg
75-35-4	1,1-Dichloroethene	2.00	U	0.79	2.00	3.90	ug/Kg
67-64-1	Acetone	33.9		3.70	15.7	19.7	ug/Kg
75-15-0	Carbon Disulfide	3.10	U	0.83	3.10	3.90	ug/Kg
1634-04-4	Methyl tert-butyl Ether	2.00	U	0.57	2.00	3.90	ug/Kg
79-20-9	Methyl Acetate	3.10	U	1.20	3.10	3.90	ug/Kg
75-09-2	Methylene Chloride	6.60	J	2.80	6.30	7.90	ug/Kg
156-60-5	trans-1,2-Dichloroethene	2.00	U	0.68	2.00	3.90	ug/Kg
75-34-3	1,1-Dichloroethane	2.00	U	0.63	2.00	3.90	ug/Kg
110-82-7	Cyclohexane	2.00	U	0.62	2.00	3.90	ug/Kg
78-93-3	2-Butanone	15.7	U	5.10	15.7	19.7	ug/Kg
56-23-5	Carbon Tetrachloride	2.00	U	0.76	2.00	3.90	ug/Kg
156-59-2	cis-1,2-Dichloroethene	2.00	U	0.59	2.00	3.90	ug/Kg
74-97-5	Bromochloromethane	3.10	U	0.90	3.10	3.90	ug/Kg
67-66-3	Chloroform	3.10	U	0.66	3.10	3.90	ug/Kg
71-55-6	1,1,1-Trichloroethane	2.00	U	0.73	2.00	3.90	ug/Kg
108-87-2	Methylcyclohexane	2.00	U	0.72	2.00	3.90	ug/Kg
71-43-2	Benzene	2.00	U	0.62	2.00	3.90	ug/Kg
107-06-2	1,2-Dichloroethane	2.00	U	0.62	2.00	3.90	ug/Kg
79-01-6	Trichloroethene	2.00	U	0.64	2.00	3.90	ug/Kg
78-87-5	1,2-Dichloropropane	2.00	U	0.72	2.00	3.90	ug/Kg
75-27-4	Bromodichloromethane	2.00	U	0.61	2.00	3.90	ug/Kg
108-10-1	4-Methyl-2-Pentanone	9.80	U	2.80	9.80	19.7	ug/Kg
108-88-3	Toluene	2.00	U	0.61	2.00	3.90	ug/Kg

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-W	SDG No.:	Q2820
Lab Sample ID:	Q2820-08	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	89
Sample Wt/Vol:	7.14 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032091.D	1	08/14/25 14:16	VW081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	2.00	U	0.51	2.00	3.90	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	2.00	U	0.49	2.00	3.90	ug/Kg
79-00-5	1,1,2-Trichloroethane	2.00	U	0.72	2.00	3.90	ug/Kg
591-78-6	2-Hexanone	9.80	U	2.90	9.80	19.7	ug/Kg
124-48-1	Dibromochloromethane	2.00	U	0.68	2.00	3.90	ug/Kg
106-93-4	1,2-Dibromoethane	2.00	U	0.69	2.00	3.90	ug/Kg
127-18-4	Tetrachloroethene	2.00	U	0.83	2.00	3.90	ug/Kg
108-90-7	Chlorobenzene	2.00	U	0.72	2.00	3.90	ug/Kg
100-41-4	Ethyl Benzene	2.00	U	0.53	2.00	3.90	ug/Kg
179601-23-1	m/p-Xylenes	3.90	U	0.98	3.90	7.90	ug/Kg
95-47-6	o-Xylene	2.00	U	0.65	2.00	3.90	ug/Kg
100-42-5	Styrene	2.00	U	0.56	2.00	3.90	ug/Kg
75-25-2	Bromoform	2.00	U	0.68	2.00	3.90	ug/Kg
98-82-8	Isopropylbenzene	2.00	U	0.61	2.00	3.90	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	2.00	U	0.95	2.00	3.90	ug/Kg
541-73-1	1,3-Dichlorobenzene	2.00	U	1.30	2.00	3.90	ug/Kg
106-46-7	1,4-Dichlorobenzene	2.00	U	1.20	2.00	3.90	ug/Kg
95-50-1	1,2-Dichlorobenzene	2.00	U	1.10	2.00	3.90	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3.10	U	1.40	3.10	3.90	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	3.10	U	2.30	3.10	3.90	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	3.10	U	2.50	3.10	3.90	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	59.0		71 - 136		118%	SPK: 50
1868-53-7	Dibromofluoromethane	59.4		78 - 119		119%	SPK: 50
2037-26-5	Toluene-d8	53.0		85 - 116		106%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.8		79 - 119		102%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	141000	7.959				
540-36-3	1,4-Difluorobenzene	276000	8.855				
3114-55-4	Chlorobenzene-d5	280000	11.635				
3855-82-1	1,4-Dichlorobenzene-d4	128000	13.556				

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-W	SDG No.:	Q2820
Lab Sample ID:	Q2820-08	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	89
Sample Wt/Vol:	7.14 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032091.D	1	08/14/25 14:16	VW081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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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

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:	8260D	% Solid:	55.8
Sample Wt/Vol:	6.4 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032092.D	1	08/14/25 14:39	VW081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	5.60	U	1.60	5.60	7.00	ug/Kg
74-87-3	Chloromethane	3.50	U	1.60	3.50	7.00	ug/Kg
75-01-4	Vinyl Chloride	3.50	U	1.10	3.50	7.00	ug/Kg
74-83-9	Bromomethane	5.60	U	1.50	5.60	7.00	ug/Kg
75-00-3	Chloroethane	3.50	U	1.80	3.50	7.00	ug/Kg
75-69-4	Trichlorofluoromethane	5.60	U	1.70	5.60	7.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	3.50	U	1.50	3.50	7.00	ug/Kg
75-35-4	1,1-Dichloroethene	3.50	U	1.40	3.50	7.00	ug/Kg
67-64-1	Acetone	30.8	J	6.60	28.0	35.0	ug/Kg
75-15-0	Carbon Disulfide	5.60	U	1.50	5.60	7.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	3.50	U	1.00	3.50	7.00	ug/Kg
79-20-9	Methyl Acetate	5.60	U	2.20	5.60	7.00	ug/Kg
75-09-2	Methylene Chloride	11.2	U	4.90	11.2	14.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	3.50	U	1.20	3.50	7.00	ug/Kg
75-34-3	1,1-Dichloroethane	3.50	U	1.10	3.50	7.00	ug/Kg
110-82-7	Cyclohexane	3.50	U	1.10	3.50	7.00	ug/Kg
78-93-3	2-Butanone	28.0	U	9.20	28.0	35.0	ug/Kg
56-23-5	Carbon Tetrachloride	3.50	U	1.40	3.50	7.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	3.50	U	1.10	3.50	7.00	ug/Kg
74-97-5	Bromochloromethane	5.60	U	1.60	5.60	7.00	ug/Kg
67-66-3	Chloroform	5.60	U	1.20	5.60	7.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	3.50	U	1.30	3.50	7.00	ug/Kg
108-87-2	Methylcyclohexane	3.50	U	1.30	3.50	7.00	ug/Kg
71-43-2	Benzene	3.50	U	1.10	3.50	7.00	ug/Kg
107-06-2	1,2-Dichloroethane	3.50	U	1.10	3.50	7.00	ug/Kg
79-01-6	Trichloroethene	3.50	U	1.10	3.50	7.00	ug/Kg
78-87-5	1,2-Dichloropropane	3.50	U	1.30	3.50	7.00	ug/Kg
75-27-4	Bromodichloromethane	3.50	U	1.10	3.50	7.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	17.5	U	5.00	17.5	35.0	ug/Kg
108-88-3	Toluene	3.50	U	1.10	3.50	7.00	ug/Kg

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:	8260D	% Solid:	55.8
Sample Wt/Vol:	6.4 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032092.D	1	08/14/25 14:39	VW081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	3.50	U	0.91	3.50	7.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	3.50	U	0.87	3.50	7.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	3.50	U	1.30	3.50	7.00	ug/Kg
591-78-6	2-Hexanone	17.5	U	5.20	17.5	35.0	ug/Kg
124-48-1	Dibromochloromethane	3.50	U	1.20	3.50	7.00	ug/Kg
106-93-4	1,2-Dibromoethane	3.50	U	1.20	3.50	7.00	ug/Kg
127-18-4	Tetrachloroethene	3.50	U	1.50	3.50	7.00	ug/Kg
108-90-7	Chlorobenzene	3.50	U	1.30	3.50	7.00	ug/Kg
100-41-4	Ethyl Benzene	3.50	U	0.94	3.50	7.00	ug/Kg
179601-23-1	m/p-Xylenes	7.00	U	1.70	7.00	14.0	ug/Kg
95-47-6	o-Xylene	3.50	U	1.10	3.50	7.00	ug/Kg
100-42-5	Styrene	3.50	U	0.99	3.50	7.00	ug/Kg
75-25-2	Bromoform	3.50	U	1.20	3.50	7.00	ug/Kg
98-82-8	Isopropylbenzene	3.50	U	1.10	3.50	7.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	3.50	U	1.70	3.50	7.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	3.50	U	2.40	3.50	7.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	3.50	U	2.20	3.50	7.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	3.50	U	2.00	3.50	7.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	5.60	U	2.60	5.60	7.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	5.60	U	4.20	5.60	7.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	5.60	U	4.50	5.60	7.00	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	65.6		71 - 136		131%	SPK: 50
1868-53-7	Dibromofluoromethane	55.3		78 - 119		111%	SPK: 50
2037-26-5	Toluene-d8	48.7		85 - 116		97%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.8		79 - 119		98%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	140000	7.959				
540-36-3	1,4-Difluorobenzene	293000	8.849				
3114-55-4	Chlorobenzene-d5	286000	11.635				
3855-82-1	1,4-Dichlorobenzene-d4	130000	13.556				

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:	8260D	% Solid:	55.8
Sample Wt/Vol:	6.4	Units:	g
Soil Aliquot Vol:			uL
GC Column:	RXI-624	ID :	0.25
Prep Method :		Level :	LOW
		Final Vol:	5000
		Test:	VOC-TCLVOA-10

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032092.D	1	08/14/25 14:39	VW081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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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

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	SOIL-DUP-2	SDG No.:	Q2820
Lab Sample ID:	Q2820-10	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	48.4
Sample Wt/Vol:	5.39 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032093.D	1	08/14/25 15:01	VW081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	7.70	U	2.20	7.70	9.60	ug/Kg
74-87-3	Chloromethane	4.80	U	2.20	4.80	9.60	ug/Kg
75-01-4	Vinyl Chloride	4.80	U	1.50	4.80	9.60	ug/Kg
74-83-9	Bromomethane	7.70	U	2.10	7.70	9.60	ug/Kg
75-00-3	Chloroethane	4.80	U	2.40	4.80	9.60	ug/Kg
75-69-4	Trichlorofluoromethane	7.70	U	2.30	7.70	9.60	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	4.80	U	2.00	4.80	9.60	ug/Kg
75-35-4	1,1-Dichloroethene	4.80	U	1.90	4.80	9.60	ug/Kg
67-64-1	Acetone	91.9		9.10	38.3	47.9	ug/Kg
75-15-0	Carbon Disulfide	6.60	J	2.00	7.70	9.60	ug/Kg
1634-04-4	Methyl tert-butyl Ether	4.80	U	1.40	4.80	9.60	ug/Kg
79-20-9	Methyl Acetate	7.70	U	3.00	7.70	9.60	ug/Kg
75-09-2	Methylene Chloride	15.3	U	6.80	15.3	19.2	ug/Kg
156-60-5	trans-1,2-Dichloroethene	4.80	U	1.60	4.80	9.60	ug/Kg
75-34-3	1,1-Dichloroethane	4.80	U	1.50	4.80	9.60	ug/Kg
110-82-7	Cyclohexane	4.80	U	1.50	4.80	9.60	ug/Kg
78-93-3	2-Butanone	38.3	U	12.5	38.3	47.9	ug/Kg
56-23-5	Carbon Tetrachloride	4.80	U	1.90	4.80	9.60	ug/Kg
156-59-2	cis-1,2-Dichloroethene	4.80	U	1.40	4.80	9.60	ug/Kg
74-97-5	Bromochloromethane	7.70	U	2.20	7.70	9.60	ug/Kg
67-66-3	Chloroform	7.70	U	1.60	7.70	9.60	ug/Kg
71-55-6	1,1,1-Trichloroethane	4.80	U	1.80	4.80	9.60	ug/Kg
108-87-2	Methylcyclohexane	4.80	U	1.70	4.80	9.60	ug/Kg
71-43-2	Benzene	4.80	U	1.50	4.80	9.60	ug/Kg
107-06-2	1,2-Dichloroethane	4.80	U	1.50	4.80	9.60	ug/Kg
79-01-6	Trichloroethene	4.80	U	1.60	4.80	9.60	ug/Kg
78-87-5	1,2-Dichloropropane	4.80	U	1.70	4.80	9.60	ug/Kg
75-27-4	Bromodichloromethane	4.80	U	1.50	4.80	9.60	ug/Kg
108-10-1	4-Methyl-2-Pentanone	24.0	U	6.90	24.0	47.9	ug/Kg
108-88-3	Toluene	4.80	U	1.50	4.80	9.60	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	SOIL-DUP-2	SDG No.:	Q2820
Lab Sample ID:	Q2820-10	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	48.4
Sample Wt/Vol:	5.39 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032093.D	1	08/14/25 15:01	VW081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	4.80	U	1.20	4.80	9.60	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	4.80	U	1.20	4.80	9.60	ug/Kg
79-00-5	1,1,2-Trichloroethane	4.80	U	1.80	4.80	9.60	ug/Kg
591-78-6	2-Hexanone	24.0	U	7.10	24.0	47.9	ug/Kg
124-48-1	Dibromochloromethane	4.80	U	1.70	4.80	9.60	ug/Kg
106-93-4	1,2-Dibromoethane	4.80	U	1.70	4.80	9.60	ug/Kg
127-18-4	Tetrachloroethene	4.80	U	2.00	4.80	9.60	ug/Kg
108-90-7	Chlorobenzene	4.80	U	1.70	4.80	9.60	ug/Kg
100-41-4	Ethyl Benzene	4.80	U	1.30	4.80	9.60	ug/Kg
179601-23-1	m/p-Xylenes	9.60	U	2.40	9.60	19.2	ug/Kg
95-47-6	o-Xylene	4.80	U	1.60	4.80	9.60	ug/Kg
100-42-5	Styrene	4.80	U	1.40	4.80	9.60	ug/Kg
75-25-2	Bromoform	4.80	U	1.60	4.80	9.60	ug/Kg
98-82-8	Isopropylbenzene	4.80	U	1.50	4.80	9.60	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	4.80	U	2.30	4.80	9.60	ug/Kg
541-73-1	1,3-Dichlorobenzene	4.80	U	3.30	4.80	9.60	ug/Kg
106-46-7	1,4-Dichlorobenzene	4.80	U	3.00	4.80	9.60	ug/Kg
95-50-1	1,2-Dichlorobenzene	4.80	U	2.80	4.80	9.60	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	7.70	U	3.50	7.70	9.60	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	7.70	U	5.70	7.70	9.60	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	7.70	U	6.10	7.70	9.60	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	59.4		71 - 136		119%	SPK: 50
1868-53-7	Dibromofluoromethane	56.6		78 - 119		113%	SPK: 50
2037-26-5	Toluene-d8	50.1		85 - 116		100%	SPK: 50
460-00-4	4-Bromofluorobenzene	43.7		79 - 119		87%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	132000	7.965				
540-36-3	1,4-Difluorobenzene	266000	8.849				
3114-55-4	Chlorobenzene-d5	258000	11.636				
3855-82-1	1,4-Dichlorobenzene-d4	103000	13.556				

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	SOIL-DUP-2	SDG No.:	Q2820
Lab Sample ID:	Q2820-10	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	48.4
Sample Wt/Vol:	5.39 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032093.D	1	08/14/25 15:01	VW081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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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

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	10PC-W	SDG No.:	Q2820
Lab Sample ID:	Q2820-11	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	92.4
Sample Wt/Vol:	6.37 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032094.D	1	08/14/25 15:24	VW081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	3.40	U	0.97	3.40	4.20	ug/Kg
74-87-3	Chloromethane	2.10	U	0.97	2.10	4.20	ug/Kg
75-01-4	Vinyl Chloride	2.10	U	0.67	2.10	4.20	ug/Kg
74-83-9	Bromomethane	3.40	U	0.91	3.40	4.20	ug/Kg
75-00-3	Chloroethane	2.10	U	1.10	2.10	4.20	ug/Kg
75-69-4	Trichlorofluoromethane	3.40	U	1.00	3.40	4.20	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	2.10	U	0.90	2.10	4.20	ug/Kg
75-35-4	1,1-Dichloroethene	2.10	U	0.85	2.10	4.20	ug/Kg
67-64-1	Acetone	17.0	U	4.00	17.0	21.2	ug/Kg
75-15-0	Carbon Disulfide	3.40	U	0.90	3.40	4.20	ug/Kg
1634-04-4	Methyl tert-butyl Ether	2.10	U	0.62	2.10	4.20	ug/Kg
79-20-9	Methyl Acetate	3.40	U	1.30	3.40	4.20	ug/Kg
75-09-2	Methylene Chloride	6.80	U	3.00	6.80	8.50	ug/Kg
156-60-5	trans-1,2-Dichloroethene	2.10	U	0.73	2.10	4.20	ug/Kg
75-34-3	1,1-Dichloroethane	2.10	U	0.68	2.10	4.20	ug/Kg
110-82-7	Cyclohexane	2.10	U	0.67	2.10	4.20	ug/Kg
78-93-3	2-Butanone	17.0	U	5.60	17.0	21.2	ug/Kg
56-23-5	Carbon Tetrachloride	2.10	U	0.82	2.10	4.20	ug/Kg
156-59-2	cis-1,2-Dichloroethene	2.10	U	0.64	2.10	4.20	ug/Kg
74-97-5	Bromochloromethane	3.40	U	0.98	3.40	4.20	ug/Kg
67-66-3	Chloroform	3.40	U	0.71	3.40	4.20	ug/Kg
71-55-6	1,1,1-Trichloroethane	2.10	U	0.79	2.10	4.20	ug/Kg
108-87-2	Methylcyclohexane	2.10	U	0.77	2.10	4.20	ug/Kg
71-43-2	Benzene	2.10	U	0.67	2.10	4.20	ug/Kg
107-06-2	1,2-Dichloroethane	2.10	U	0.67	2.10	4.20	ug/Kg
79-01-6	Trichloroethene	2.10	U	0.69	2.10	4.20	ug/Kg
78-87-5	1,2-Dichloropropane	2.10	U	0.77	2.10	4.20	ug/Kg
75-27-4	Bromodichloromethane	2.10	U	0.66	2.10	4.20	ug/Kg
108-10-1	4-Methyl-2-Pentanone	10.6	U	3.00	10.6	21.2	ug/Kg
108-88-3	Toluene	2.10	U	0.66	2.10	4.20	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	10PC-W	SDG No.:	Q2820
Lab Sample ID:	Q2820-11	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	92.4
Sample Wt/Vol:	6.37 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032094.D	1	08/14/25 15:24	VW081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	2.10	U	0.55	2.10	4.20	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	2.10	U	0.53	2.10	4.20	ug/Kg
79-00-5	1,1,2-Trichloroethane	2.10	U	0.78	2.10	4.20	ug/Kg
591-78-6	2-Hexanone	10.6	U	3.10	10.6	21.2	ug/Kg
124-48-1	Dibromochloromethane	2.10	U	0.74	2.10	4.20	ug/Kg
106-93-4	1,2-Dibromoethane	2.10	U	0.75	2.10	4.20	ug/Kg
127-18-4	Tetrachloroethene	2.10	U	0.89	2.10	4.20	ug/Kg
108-90-7	Chlorobenzene	2.10	U	0.77	2.10	4.20	ug/Kg
100-41-4	Ethyl Benzene	2.10	U	0.57	2.10	4.20	ug/Kg
179601-23-1	m/p-Xylenes	4.20	U	1.10	4.20	8.50	ug/Kg
95-47-6	o-Xylene	2.10	U	0.70	2.10	4.20	ug/Kg
100-42-5	Styrene	2.10	U	0.60	2.10	4.20	ug/Kg
75-25-2	Bromoform	2.10	U	0.73	2.10	4.20	ug/Kg
98-82-8	Isopropylbenzene	2.10	U	0.66	2.10	4.20	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	2.10	U	1.00	2.10	4.20	ug/Kg
541-73-1	1,3-Dichlorobenzene	2.10	U	1.50	2.10	4.20	ug/Kg
106-46-7	1,4-Dichlorobenzene	2.10	U	1.30	2.10	4.20	ug/Kg
95-50-1	1,2-Dichlorobenzene	2.10	U	1.20	2.10	4.20	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3.40	U	1.60	3.40	4.20	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	3.40	U	2.50	3.40	4.20	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	3.40	U	2.70	3.40	4.20	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	59.8		71 - 136		120%	SPK: 50
1868-53-7	Dibromofluoromethane	55.3		78 - 119		111%	SPK: 50
2037-26-5	Toluene-d8	50.3		85 - 116		101%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.7		79 - 119		105%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	137000	7.959				
540-36-3	1,4-Difluorobenzene	286000	8.849				
3114-55-4	Chlorobenzene-d5	284000	11.629				
3855-82-1	1,4-Dichlorobenzene-d4	146000	13.556				

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	10PC-W	SDG No.:	Q2820
Lab Sample ID:	Q2820-11	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	92.4
Sample Wt/Vol:	6.37 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032094.D	1	08/14/25 15:24	VW081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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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

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	10PC-S	SDG No.:	Q2820
Lab Sample ID:	Q2820-12	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	92.1
Sample Wt/Vol:	6.37 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032095.D	1	08/14/25 15:47	VW081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	3.40	U	0.97	3.40	4.30	ug/Kg
74-87-3	Chloromethane	2.10	U	0.97	2.10	4.30	ug/Kg
75-01-4	Vinyl Chloride	2.10	U	0.67	2.10	4.30	ug/Kg
74-83-9	Bromomethane	3.40	U	0.91	3.40	4.30	ug/Kg
75-00-3	Chloroethane	2.10	U	1.10	2.10	4.30	ug/Kg
75-69-4	Trichlorofluoromethane	3.40	U	1.00	3.40	4.30	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	2.10	U	0.90	2.10	4.30	ug/Kg
75-35-4	1,1-Dichloroethene	2.10	U	0.85	2.10	4.30	ug/Kg
67-64-1	Acetone	17.0	U	4.00	17.0	21.3	ug/Kg
75-15-0	Carbon Disulfide	3.40	U	0.90	3.40	4.30	ug/Kg
1634-04-4	Methyl tert-butyl Ether	2.10	U	0.62	2.10	4.30	ug/Kg
79-20-9	Methyl Acetate	3.40	U	1.30	3.40	4.30	ug/Kg
75-09-2	Methylene Chloride	6.80	U	3.00	6.80	8.50	ug/Kg
156-60-5	trans-1,2-Dichloroethene	2.10	U	0.73	2.10	4.30	ug/Kg
75-34-3	1,1-Dichloroethane	2.10	U	0.68	2.10	4.30	ug/Kg
110-82-7	Cyclohexane	2.10	U	0.67	2.10	4.30	ug/Kg
78-93-3	2-Butanone	17.0	U	5.60	17.0	21.3	ug/Kg
56-23-5	Carbon Tetrachloride	2.10	U	0.83	2.10	4.30	ug/Kg
156-59-2	cis-1,2-Dichloroethene	2.10	U	0.64	2.10	4.30	ug/Kg
74-97-5	Bromochloromethane	3.40	U	0.98	3.40	4.30	ug/Kg
67-66-3	Chloroform	3.40	U	0.72	3.40	4.30	ug/Kg
71-55-6	1,1,1-Trichloroethane	2.10	U	0.79	2.10	4.30	ug/Kg
108-87-2	Methylcyclohexane	2.10	U	0.78	2.10	4.30	ug/Kg
71-43-2	Benzene	2.10	U	0.67	2.10	4.30	ug/Kg
107-06-2	1,2-Dichloroethane	2.10	U	0.67	2.10	4.30	ug/Kg
79-01-6	Trichloroethene	2.10	U	0.69	2.10	4.30	ug/Kg
78-87-5	1,2-Dichloropropane	2.10	U	0.78	2.10	4.30	ug/Kg
75-27-4	Bromodichloromethane	2.10	U	0.66	2.10	4.30	ug/Kg
108-10-1	4-Methyl-2-Pentanone	10.7	U	3.10	10.7	21.3	ug/Kg
108-88-3	Toluene	2.10	U	0.66	2.10	4.30	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	10PC-S	SDG No.:	Q2820
Lab Sample ID:	Q2820-12	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	92.1
Sample Wt/Vol:	6.37 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032095.D	1	08/14/25 15:47	VW081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	2.10	U	0.55	2.10	4.30	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	2.10	U	0.53	2.10	4.30	ug/Kg
79-00-5	1,1,2-Trichloroethane	2.10	U	0.78	2.10	4.30	ug/Kg
591-78-6	2-Hexanone	10.7	U	3.10	10.7	21.3	ug/Kg
124-48-1	Dibromochloromethane	2.10	U	0.74	2.10	4.30	ug/Kg
106-93-4	1,2-Dibromoethane	2.10	U	0.75	2.10	4.30	ug/Kg
127-18-4	Tetrachloroethene	2.10	U	0.89	2.10	4.30	ug/Kg
108-90-7	Chlorobenzene	2.10	U	0.78	2.10	4.30	ug/Kg
100-41-4	Ethyl Benzene	2.10	U	0.57	2.10	4.30	ug/Kg
179601-23-1	m/p-Xylenes	4.30	U	1.10	4.30	8.50	ug/Kg
95-47-6	o-Xylene	2.10	U	0.70	2.10	4.30	ug/Kg
100-42-5	Styrene	2.10	U	0.61	2.10	4.30	ug/Kg
75-25-2	Bromoform	2.10	U	0.73	2.10	4.30	ug/Kg
98-82-8	Isopropylbenzene	2.10	U	0.66	2.10	4.30	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	2.10	U	1.00	2.10	4.30	ug/Kg
541-73-1	1,3-Dichlorobenzene	2.10	U	1.50	2.10	4.30	ug/Kg
106-46-7	1,4-Dichlorobenzene	2.10	U	1.30	2.10	4.30	ug/Kg
95-50-1	1,2-Dichlorobenzene	2.10	U	1.20	2.10	4.30	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3.40	U	1.60	3.40	4.30	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	3.40	U	2.50	3.40	4.30	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	3.40	U	2.70	3.40	4.30	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	57.1		71 - 136		114%	SPK: 50
1868-53-7	Dibromofluoromethane	56.8		78 - 119		114%	SPK: 50
2037-26-5	Toluene-d8	50.7		85 - 116		101%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.6		79 - 119		101%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	147000	7.959				
540-36-3	1,4-Difluorobenzene	292000	8.849				
3114-55-4	Chlorobenzene-d5	295000	11.635				
3855-82-1	1,4-Dichlorobenzene-d4	141000	13.556				

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	10PC-S	SDG No.:	Q2820
Lab Sample ID:	Q2820-12	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	92.1
Sample Wt/Vol:	6.37 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032095.D	1	08/14/25 15:47	VW081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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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

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	10P-W	SDG No.:	Q2820
Lab Sample ID:	Q2820-13	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	91.2
Sample Wt/Vol:	9.13 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032096.D	1	08/14/25 16:10	VW081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	2.40	U	0.68	2.40	3.00	ug/Kg
74-87-3	Chloromethane	1.50	U	0.68	1.50	3.00	ug/Kg
75-01-4	Vinyl Chloride	1.50	U	0.47	1.50	3.00	ug/Kg
74-83-9	Bromomethane	2.40	U	0.64	2.40	3.00	ug/Kg
75-00-3	Chloroethane	1.50	U	0.76	1.50	3.00	ug/Kg
75-69-4	Trichlorofluoromethane	2.40	U	0.73	2.40	3.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.50	U	0.64	1.50	3.00	ug/Kg
75-35-4	1,1-Dichloroethene	1.50	U	0.60	1.50	3.00	ug/Kg
67-64-1	Acetone	9.30	J	2.80	12.0	15.0	ug/Kg
75-15-0	Carbon Disulfide	2.40	U	0.64	2.40	3.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.50	U	0.44	1.50	3.00	ug/Kg
79-20-9	Methyl Acetate	2.40	U	0.92	2.40	3.00	ug/Kg
75-09-2	Methylene Chloride	3.30	J	2.10	4.80	6.00	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.50	U	0.52	1.50	3.00	ug/Kg
75-34-3	1,1-Dichloroethane	1.50	U	0.48	1.50	3.00	ug/Kg
110-82-7	Cyclohexane	1.50	U	0.47	1.50	3.00	ug/Kg
78-93-3	2-Butanone	12.0	U	3.90	12.0	15.0	ug/Kg
56-23-5	Carbon Tetrachloride	1.50	U	0.58	1.50	3.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1.50	U	0.45	1.50	3.00	ug/Kg
74-97-5	Bromochloromethane	2.40	U	0.69	2.40	3.00	ug/Kg
67-66-3	Chloroform	2.40	U	0.50	2.40	3.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.50	U	0.56	1.50	3.00	ug/Kg
108-87-2	Methylcyclohexane	1.50	U	0.55	1.50	3.00	ug/Kg
71-43-2	Benzene	1.50	U	0.47	1.50	3.00	ug/Kg
107-06-2	1,2-Dichloroethane	1.50	U	0.47	1.50	3.00	ug/Kg
79-01-6	Trichloroethene	1.50	U	0.49	1.50	3.00	ug/Kg
78-87-5	1,2-Dichloropropane	1.50	U	0.55	1.50	3.00	ug/Kg
75-27-4	Bromodichloromethane	1.50	U	0.47	1.50	3.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	7.50	U	2.10	7.50	15.0	ug/Kg
108-88-3	Toluene	1.50	U	0.47	1.50	3.00	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	10P-W	SDG No.:	Q2820
Lab Sample ID:	Q2820-13	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	91.2
Sample Wt/Vol:	9.13 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032096.D	1	08/14/25 16:10	VW081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	1.50	U	0.39	1.50	3.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1.50	U	0.37	1.50	3.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	1.50	U	0.55	1.50	3.00	ug/Kg
591-78-6	2-Hexanone	7.50	U	2.20	7.50	15.0	ug/Kg
124-48-1	Dibromochloromethane	1.50	U	0.52	1.50	3.00	ug/Kg
106-93-4	1,2-Dibromoethane	1.50	U	0.53	1.50	3.00	ug/Kg
127-18-4	Tetrachloroethene	1.50	U	0.63	1.50	3.00	ug/Kg
108-90-7	Chlorobenzene	1.50	U	0.55	1.50	3.00	ug/Kg
100-41-4	Ethyl Benzene	1.50	U	0.40	1.50	3.00	ug/Kg
179601-23-1	m/p-Xylenes	3.00	U	0.74	3.00	6.00	ug/Kg
95-47-6	o-Xylene	1.50	U	0.49	1.50	3.00	ug/Kg
100-42-5	Styrene	1.50	U	0.43	1.50	3.00	ug/Kg
75-25-2	Bromoform	1.50	U	0.52	1.50	3.00	ug/Kg
98-82-8	Isopropylbenzene	1.50	U	0.47	1.50	3.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.50	U	0.73	1.50	3.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.50	U	1.00	1.50	3.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.50	U	0.94	1.50	3.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.50	U	0.87	1.50	3.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	2.40	U	1.10	2.40	3.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2.40	U	1.80	2.40	3.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	2.40	U	1.90	2.40	3.00	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	54.2		71 - 136		108%	SPK: 50
1868-53-7	Dibromofluoromethane	52.8		78 - 119		106%	SPK: 50
2037-26-5	Toluene-d8	46.6		85 - 116		93%	SPK: 50
460-00-4	4-Bromofluorobenzene	45.5		79 - 119		91%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	154000	7.965				
540-36-3	1,4-Difluorobenzene	317000	8.855				
3114-55-4	Chlorobenzene-d5	348000	11.635				
3855-82-1	1,4-Dichlorobenzene-d4	179000	13.556				

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	10P-W	SDG No.:	Q2820
Lab Sample ID:	Q2820-13	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	91.2
Sample Wt/Vol:	9.13 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032096.D	1	08/14/25 16:10	VW081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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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

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	10P-E	SDG No.:	Q2820
Lab Sample ID:	Q2820-14	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	81.3
Sample Wt/Vol:	7.65 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032097.D	1	08/14/25 16:32	VW081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	3.20	U	0.92	3.20	4.00	ug/Kg
74-87-3	Chloromethane	2.00	U	0.92	2.00	4.00	ug/Kg
75-01-4	Vinyl Chloride	2.00	U	0.64	2.00	4.00	ug/Kg
74-83-9	Bromomethane	3.20	U	0.86	3.20	4.00	ug/Kg
75-00-3	Chloroethane	2.00	U	1.00	2.00	4.00	ug/Kg
75-69-4	Trichlorofluoromethane	3.20	U	0.97	3.20	4.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	2.00	U	0.85	2.00	4.00	ug/Kg
75-35-4	1,1-Dichloroethene	2.00	U	0.80	2.00	4.00	ug/Kg
67-64-1	Acetone	16.1	U	3.80	16.1	20.1	ug/Kg
75-15-0	Carbon Disulfide	3.20	U	0.85	3.20	4.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	2.00	U	0.59	2.00	4.00	ug/Kg
79-20-9	Methyl Acetate	3.20	U	1.20	3.20	4.00	ug/Kg
75-09-2	Methylene Chloride	6.40	U	2.80	6.40	8.00	ug/Kg
156-60-5	trans-1,2-Dichloroethene	2.00	U	0.69	2.00	4.00	ug/Kg
75-34-3	1,1-Dichloroethane	2.00	U	0.64	2.00	4.00	ug/Kg
110-82-7	Cyclohexane	2.00	U	0.64	2.00	4.00	ug/Kg
78-93-3	2-Butanone	16.1	U	5.30	16.1	20.1	ug/Kg
56-23-5	Carbon Tetrachloride	2.00	U	0.78	2.00	4.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	2.00	U	0.60	2.00	4.00	ug/Kg
74-97-5	Bromochloromethane	3.20	U	0.92	3.20	4.00	ug/Kg
67-66-3	Chloroform	3.20	U	0.68	3.20	4.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	2.00	U	0.75	2.00	4.00	ug/Kg
108-87-2	Methylcyclohexane	2.00	U	0.73	2.00	4.00	ug/Kg
71-43-2	Benzene	2.00	U	0.64	2.00	4.00	ug/Kg
107-06-2	1,2-Dichloroethane	2.00	U	0.64	2.00	4.00	ug/Kg
79-01-6	Trichloroethene	2.00	U	0.65	2.00	4.00	ug/Kg
78-87-5	1,2-Dichloropropane	2.00	U	0.73	2.00	4.00	ug/Kg
75-27-4	Bromodichloromethane	2.00	U	0.63	2.00	4.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	10.0	U	2.90	10.0	20.1	ug/Kg
108-88-3	Toluene	2.00	U	0.63	2.00	4.00	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	10P-E	SDG No.:	Q2820
Lab Sample ID:	Q2820-14	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	81.3
Sample Wt/Vol:	7.65 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032097.D	1	08/14/25 16:32	VW081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	2.00	U	0.52	2.00	4.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	2.00	U	0.50	2.00	4.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	2.00	U	0.74	2.00	4.00	ug/Kg
591-78-6	2-Hexanone	10.0	U	3.00	10.0	20.1	ug/Kg
124-48-1	Dibromochloromethane	2.00	U	0.70	2.00	4.00	ug/Kg
106-93-4	1,2-Dibromoethane	2.00	U	0.71	2.00	4.00	ug/Kg
127-18-4	Tetrachloroethene	2.00	U	0.84	2.00	4.00	ug/Kg
108-90-7	Chlorobenzene	2.00	U	0.73	2.00	4.00	ug/Kg
100-41-4	Ethyl Benzene	2.00	U	0.54	2.00	4.00	ug/Kg
179601-23-1	m/p-Xylenes	4.00	U	1.00	4.00	8.00	ug/Kg
95-47-6	o-Xylene	2.00	U	0.66	2.00	4.00	ug/Kg
100-42-5	Styrene	2.00	U	0.57	2.00	4.00	ug/Kg
75-25-2	Bromoform	2.00	U	0.69	2.00	4.00	ug/Kg
98-82-8	Isopropylbenzene	2.00	U	0.63	2.00	4.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	2.00	U	0.97	2.00	4.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	2.00	U	1.40	2.00	4.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	2.00	U	1.30	2.00	4.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	2.00	U	1.20	2.00	4.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3.20	U	1.50	3.20	4.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	3.20	U	2.40	3.20	4.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	3.20	U	2.60	3.20	4.00	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	61.1		71 - 136		122%	SPK: 50
1868-53-7	Dibromofluoromethane	53.1		78 - 119		106%	SPK: 50
2037-26-5	Toluene-d8	47.7		85 - 116		95%	SPK: 50
460-00-4	4-Bromofluorobenzene	45.1		79 - 119		90%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	132000	7.959				
540-36-3	1,4-Difluorobenzene	288000	8.849				
3114-55-4	Chlorobenzene-d5	286000	11.635				
3855-82-1	1,4-Dichlorobenzene-d4	140000	13.556				

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	10P-E	SDG No.:	Q2820
Lab Sample ID:	Q2820-14	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	81.3
Sample Wt/Vol:	7.65 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032097.D	1	08/14/25 16:32	VW081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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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

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	10P-S	SDG No.:	Q2820
Lab Sample ID:	Q2820-15	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	88.5
Sample Wt/Vol:	7.75 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY023142.D	1	08/19/25 11:44	VY081925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	2.90	U	0.83	2.90	3.60	ug/Kg
74-87-3	Chloromethane	1.80	U	0.83	1.80	3.60	ug/Kg
75-01-4	Vinyl Chloride	1.80	U	0.58	1.80	3.60	ug/Kg
74-83-9	Bromomethane	2.90	U	0.78	2.90	3.60	ug/Kg
75-00-3	Chloroethane	1.80	U	0.92	1.80	3.60	ug/Kg
75-69-4	Trichlorofluoromethane	2.90	U	0.88	2.90	3.60	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.80	U	0.77	1.80	3.60	ug/Kg
75-35-4	1,1-Dichloroethene	1.80	U	0.73	1.80	3.60	ug/Kg
67-64-1	Acetone	14.6	U	3.50	14.6	18.2	ug/Kg
75-15-0	Carbon Disulfide	2.90	U	0.77	2.90	3.60	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.80	U	0.53	1.80	3.60	ug/Kg
79-20-9	Methyl Acetate	2.90	U	1.10	2.90	3.60	ug/Kg
75-09-2	Methylene Chloride	5.80	U	2.60	5.80	7.30	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.80	U	0.63	1.80	3.60	ug/Kg
75-34-3	1,1-Dichloroethane	1.80	U	0.58	1.80	3.60	ug/Kg
110-82-7	Cyclohexane	1.80	U	0.58	1.80	3.60	ug/Kg
78-93-3	2-Butanone	14.6	U	4.80	14.6	18.2	ug/Kg
56-23-5	Carbon Tetrachloride	1.80	U	0.71	1.80	3.60	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1.80	U	0.55	1.80	3.60	ug/Kg
74-97-5	Bromochloromethane	2.90	U	0.84	2.90	3.60	ug/Kg
67-66-3	Chloroform	2.90	U	0.61	2.90	3.60	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.80	U	0.68	1.80	3.60	ug/Kg
108-87-2	Methylcyclohexane	1.80	U	0.66	1.80	3.60	ug/Kg
71-43-2	Benzene	1.80	U	0.58	1.80	3.60	ug/Kg
107-06-2	1,2-Dichloroethane	1.80	U	0.58	1.80	3.60	ug/Kg
79-01-6	Trichloroethene	1.80	U	0.59	1.80	3.60	ug/Kg
78-87-5	1,2-Dichloropropane	1.80	U	0.66	1.80	3.60	ug/Kg
75-27-4	Bromodichloromethane	1.80	U	0.57	1.80	3.60	ug/Kg
108-10-1	4-Methyl-2-Pentanone	9.10	U	2.60	9.10	18.2	ug/Kg
108-88-3	Toluene	1.80	U	0.57	1.80	3.60	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	10P-S	SDG No.:	Q2820
Lab Sample ID:	Q2820-15	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	88.5
Sample Wt/Vol:	7.75	Units:	g
Soil Aliquot Vol:			uL
GC Column:	RXI-624	ID :	0.25
Prep Method :		Level :	LOW

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY023142.D	1	08/19/25 11:44	VY081925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	1.80	U	0.47	1.80	3.60	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1.80	U	0.45	1.80	3.60	ug/Kg
79-00-5	1,1,2-Trichloroethane	1.80	U	0.67	1.80	3.60	ug/Kg
591-78-6	2-Hexanone	9.10	U	2.70	9.10	18.2	ug/Kg
124-48-1	Dibromochloromethane	1.80	U	0.63	1.80	3.60	ug/Kg
106-93-4	1,2-Dibromoethane	1.80	U	0.64	1.80	3.60	ug/Kg
127-18-4	Tetrachloroethene	1.80	U	0.77	1.80	3.60	ug/Kg
108-90-7	Chlorobenzene	1.80	U	0.66	1.80	3.60	ug/Kg
100-41-4	Ethyl Benzene	1.80	U	0.49	1.80	3.60	ug/Kg
179601-23-1	m/p-Xylenes	3.60	U	0.90	3.60	7.30	ug/Kg
95-47-6	o-Xylene	1.80	U	0.60	1.80	3.60	ug/Kg
100-42-5	Styrene	1.80	U	0.52	1.80	3.60	ug/Kg
75-25-2	Bromoform	1.80	U	0.63	1.80	3.60	ug/Kg
98-82-8	Isopropylbenzene	1.80	U	0.57	1.80	3.60	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.80	U	0.88	1.80	3.60	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.80	U	1.20	1.80	3.60	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.80	U	1.10	1.80	3.60	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.80	U	1.10	1.80	3.60	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	2.90	U	1.30	2.90	3.60	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2.90	U	2.20	2.90	3.60	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	2.90	U	2.30	2.90	3.60	ug/Kg

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	53.2	71 - 136	106%	SPK: 50
1868-53-7	Dibromofluoromethane	52.6	78 - 119	105%	SPK: 50
2037-26-5	Toluene-d8	51.2	85 - 116	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.2	79 - 119	100%	SPK: 50

INTERNAL STANDARDS

363-72-4	Pentafluorobenzene	633000	7.707
540-36-3	1,4-Difluorobenzene	1170000	8.615
3114-55-4	Chlorobenzene-d5	1040000	11.413
3855-82-1	1,4-Dichlorobenzene-d4	448000	13.346

TENTATIVE IDENTIFIED COMPOUNDS

D

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	10P-S	SDG No.:	Q2820
Lab Sample ID:	Q2820-15	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	88.5
Sample Wt/Vol:	7.75 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY023142.D	1	08/19/25 11:44	VY081925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
004057-42-5	2-Octene, 2,6-dimethyl-	11.5	J			12.6	ug/Kg
	unknown12.651	6.90	J			12.7	ug/Kg
	unknown12.730	15.0	J			12.7	ug/Kg
1000195-06-9	3,4-Dimethylpent-2-en-1-ol	9.20	J			13.0	ug/Kg
001678-98-4	Cyclohexane, (2-methylpropyl)-	13.5	J			13.2	ug/Kg
1000372-78-8	Isobutyl undecyl carbonate	6.60	J			13.3	ug/Kg
071186-27-1	1-Ethyl-2,2,6-trimethylcyclohexane	6.10	J			13.5	ug/Kg
000091-17-8	Naphthalene, decahydro-	19.2	J			13.7	ug/Kg
002958-76-1	Naphthalene, decahydro-2-methyl-	12.8	J			14.2	ug/Kg
1000155-85-6	cis-Decalin, 2-syn-methyl-	6.20	J			14.3	ug/Kg

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

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	10P-N	SDG No.:	Q2820
Lab Sample ID:	Q2820-16	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	86.2
Sample Wt/Vol:	6.08 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032099.D	1	08/14/25 17:17	VW081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	3.80	U	1.10	3.80	4.80	ug/Kg
74-87-3	Chloromethane	2.40	U	1.10	2.40	4.80	ug/Kg
75-01-4	Vinyl Chloride	2.40	U	0.75	2.40	4.80	ug/Kg
74-83-9	Bromomethane	3.80	U	1.00	3.80	4.80	ug/Kg
75-00-3	Chloroethane	2.40	U	1.20	2.40	4.80	ug/Kg
75-69-4	Trichlorofluoromethane	3.80	U	1.20	3.80	4.80	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	2.40	U	1.00	2.40	4.80	ug/Kg
75-35-4	1,1-Dichloroethene	2.40	U	0.95	2.40	4.80	ug/Kg
67-64-1	Acetone	19.1	U	4.50	19.1	23.9	ug/Kg
75-15-0	Carbon Disulfide	3.80	U	1.00	3.80	4.80	ug/Kg
1634-04-4	Methyl tert-butyl Ether	2.40	U	0.70	2.40	4.80	ug/Kg
79-20-9	Methyl Acetate	3.80	U	1.50	3.80	4.80	ug/Kg
75-09-2	Methylene Chloride	7.60	U	3.40	7.60	9.50	ug/Kg
156-60-5	trans-1,2-Dichloroethene	2.40	U	0.82	2.40	4.80	ug/Kg
75-34-3	1,1-Dichloroethane	2.40	U	0.76	2.40	4.80	ug/Kg
110-82-7	Cyclohexane	2.40	U	0.75	2.40	4.80	ug/Kg
78-93-3	2-Butanone	19.1	U	6.20	19.1	23.9	ug/Kg
56-23-5	Carbon Tetrachloride	2.40	U	0.93	2.40	4.80	ug/Kg
156-59-2	cis-1,2-Dichloroethene	2.40	U	0.72	2.40	4.80	ug/Kg
74-97-5	Bromochloromethane	3.80	U	1.10	3.80	4.80	ug/Kg
67-66-3	Chloroform	3.80	U	0.80	3.80	4.80	ug/Kg
71-55-6	1,1,1-Trichloroethane	2.40	U	0.89	2.40	4.80	ug/Kg
108-87-2	Methylcyclohexane	2.40	U	0.87	2.40	4.80	ug/Kg
71-43-2	Benzene	2.40	U	0.75	2.40	4.80	ug/Kg
107-06-2	1,2-Dichloroethane	2.40	U	0.75	2.40	4.80	ug/Kg
79-01-6	Trichloroethene	2.40	U	0.77	2.40	4.80	ug/Kg
78-87-5	1,2-Dichloropropane	2.40	U	0.87	2.40	4.80	ug/Kg
75-27-4	Bromodichloromethane	2.40	U	0.74	2.40	4.80	ug/Kg
108-10-1	4-Methyl-2-Pentanone	11.9	U	3.40	11.9	23.9	ug/Kg
108-88-3	Toluene	2.40	U	0.74	2.40	4.80	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	10P-N	SDG No.:	Q2820
Lab Sample ID:	Q2820-16	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	86.2
Sample Wt/Vol:	6.08 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032099.D	1	08/14/25 17:17	VW081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	2.40	U	0.62	2.40	4.80	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	2.40	U	0.59	2.40	4.80	ug/Kg
79-00-5	1,1,2-Trichloroethane	2.40	U	0.88	2.40	4.80	ug/Kg
591-78-6	2-Hexanone	11.9	U	3.50	11.9	23.9	ug/Kg
124-48-1	Dibromochloromethane	2.40	U	0.83	2.40	4.80	ug/Kg
106-93-4	1,2-Dibromoethane	2.40	U	0.84	2.40	4.80	ug/Kg
127-18-4	Tetrachloroethene	2.40	U	1.00	2.40	4.80	ug/Kg
108-90-7	Chlorobenzene	2.40	U	0.87	2.40	4.80	ug/Kg
100-41-4	Ethyl Benzene	2.40	U	0.64	2.40	4.80	ug/Kg
179601-23-1	m/p-Xylenes	4.80	U	1.20	4.80	9.50	ug/Kg
95-47-6	o-Xylene	2.40	U	0.78	2.40	4.80	ug/Kg
100-42-5	Styrene	2.40	U	0.68	2.40	4.80	ug/Kg
75-25-2	Bromoform	2.40	U	0.82	2.40	4.80	ug/Kg
98-82-8	Isopropylbenzene	2.40	U	0.74	2.40	4.80	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	2.40	U	1.20	2.40	4.80	ug/Kg
541-73-1	1,3-Dichlorobenzene	2.40	U	1.60	2.40	4.80	ug/Kg
106-46-7	1,4-Dichlorobenzene	2.40	U	1.50	2.40	4.80	ug/Kg
95-50-1	1,2-Dichlorobenzene	2.40	U	1.40	2.40	4.80	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3.80	U	1.80	3.80	4.80	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	3.80	U	2.80	3.80	4.80	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	3.80	U	3.00	3.80	4.80	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	59.6		71 - 136		119%	SPK: 50
1868-53-7	Dibromofluoromethane	55.1		78 - 119		110%	SPK: 50
2037-26-5	Toluene-d8	50.5		85 - 116		101%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.5		79 - 119		103%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	140000	7.959				
540-36-3	1,4-Difluorobenzene	294000	8.855				
3114-55-4	Chlorobenzene-d5	292000	11.629				
3855-82-1	1,4-Dichlorobenzene-d4	143000	13.556				

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	10P-N	SDG No.:	Q2820
Lab Sample ID:	Q2820-16	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	86.2
Sample Wt/Vol:	6.08 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032099.D	1	08/14/25 17:17	VW081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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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

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	88H-E	SDG No.:	Q2820
Lab Sample ID:	Q2820-17	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	82.6
Sample Wt/Vol:	6.84 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032100.D	1	08/14/25 17:40	VW081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	3.50	U	1.00	3.50	4.40	ug/Kg
74-87-3	Chloromethane	2.20	U	1.00	2.20	4.40	ug/Kg
75-01-4	Vinyl Chloride	2.20	U	0.70	2.20	4.40	ug/Kg
74-83-9	Bromomethane	3.50	U	0.95	3.50	4.40	ug/Kg
75-00-3	Chloroethane	2.20	U	1.10	2.20	4.40	ug/Kg
75-69-4	Trichlorofluoromethane	3.50	U	1.10	3.50	4.40	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	2.20	U	0.94	2.20	4.40	ug/Kg
75-35-4	1,1-Dichloroethene	2.20	U	0.88	2.20	4.40	ug/Kg
67-64-1	Acetone	17.7	U	4.20	17.7	22.1	ug/Kg
75-15-0	Carbon Disulfide	3.50	U	0.94	3.50	4.40	ug/Kg
1634-04-4	Methyl tert-butyl Ether	2.20	U	0.65	2.20	4.40	ug/Kg
79-20-9	Methyl Acetate	3.50	U	1.40	3.50	4.40	ug/Kg
75-09-2	Methylene Chloride	7.10	U	3.10	7.10	8.80	ug/Kg
156-60-5	trans-1,2-Dichloroethene	2.20	U	0.76	2.20	4.40	ug/Kg
75-34-3	1,1-Dichloroethane	2.20	U	0.71	2.20	4.40	ug/Kg
110-82-7	Cyclohexane	2.20	U	0.70	2.20	4.40	ug/Kg
78-93-3	2-Butanone	17.7	U	5.80	17.7	22.1	ug/Kg
56-23-5	Carbon Tetrachloride	2.20	U	0.86	2.20	4.40	ug/Kg
156-59-2	cis-1,2-Dichloroethene	2.20	U	0.66	2.20	4.40	ug/Kg
74-97-5	Bromochloromethane	3.50	U	1.00	3.50	4.40	ug/Kg
67-66-3	Chloroform	3.50	U	0.74	3.50	4.40	ug/Kg
71-55-6	1,1,1-Trichloroethane	2.20	U	0.82	2.20	4.40	ug/Kg
108-87-2	Methylcyclohexane	2.20	U	0.81	2.20	4.40	ug/Kg
71-43-2	Benzene	2.20	U	0.70	2.20	4.40	ug/Kg
107-06-2	1,2-Dichloroethane	2.20	U	0.70	2.20	4.40	ug/Kg
79-01-6	Trichloroethene	2.20	U	0.72	2.20	4.40	ug/Kg
78-87-5	1,2-Dichloropropane	2.20	U	0.81	2.20	4.40	ug/Kg
75-27-4	Bromodichloromethane	2.20	U	0.69	2.20	4.40	ug/Kg
108-10-1	4-Methyl-2-Pentanone	11.1	U	3.20	11.1	22.1	ug/Kg
108-88-3	Toluene	2.20	U	0.69	2.20	4.40	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	88H-E	SDG No.:	Q2820
Lab Sample ID:	Q2820-17	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	82.6
Sample Wt/Vol:	6.84 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032100.D	1	08/14/25 17:40	VW081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	2.20	U	0.58	2.20	4.40	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	2.20	U	0.55	2.20	4.40	ug/Kg
79-00-5	1,1,2-Trichloroethane	2.20	U	0.81	2.20	4.40	ug/Kg
591-78-6	2-Hexanone	11.1	U	3.30	11.1	22.1	ug/Kg
124-48-1	Dibromochloromethane	2.20	U	0.77	2.20	4.40	ug/Kg
106-93-4	1,2-Dibromoethane	2.20	U	0.78	2.20	4.40	ug/Kg
127-18-4	Tetrachloroethene	2.20	U	0.93	2.20	4.40	ug/Kg
108-90-7	Chlorobenzene	2.20	U	0.81	2.20	4.40	ug/Kg
100-41-4	Ethyl Benzene	2.20	U	0.59	2.20	4.40	ug/Kg
179601-23-1	m/p-Xylenes	4.40	U	1.10	4.40	8.80	ug/Kg
95-47-6	o-Xylene	2.20	U	0.73	2.20	4.40	ug/Kg
100-42-5	Styrene	2.20	U	0.63	2.20	4.40	ug/Kg
75-25-2	Bromoform	2.20	U	0.76	2.20	4.40	ug/Kg
98-82-8	Isopropylbenzene	2.20	U	0.69	2.20	4.40	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	2.20	U	1.10	2.20	4.40	ug/Kg
541-73-1	1,3-Dichlorobenzene	2.20	U	1.50	2.20	4.40	ug/Kg
106-46-7	1,4-Dichlorobenzene	2.20	U	1.40	2.20	4.40	ug/Kg
95-50-1	1,2-Dichlorobenzene	2.20	U	1.30	2.20	4.40	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3.50	U	1.60	3.50	4.40	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	3.50	U	2.60	3.50	4.40	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	3.50	U	2.80	3.50	4.40	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	60.2		71 - 136		120%	SPK: 50
1868-53-7	Dibromofluoromethane	55.2		78 - 119		110%	SPK: 50
2037-26-5	Toluene-d8	49.1		85 - 116		98%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.8		79 - 119		98%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	139000	7.965				
540-36-3	1,4-Difluorobenzene	294000	8.849				
3114-55-4	Chlorobenzene-d5	290000	11.635				
3855-82-1	1,4-Dichlorobenzene-d4	141000	13.556				

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	88H-E	SDG No.:	Q2820
Lab Sample ID:	Q2820-17	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	82.6
Sample Wt/Vol:	6.84 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032100.D	1	08/14/25 17:40	VW081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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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

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	88H-N	SDG No.:	Q2820
Lab Sample ID:	Q2820-18	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	86.3
Sample Wt/Vol:	7.59 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032101.D	1	08/14/25 18:02	VW081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	3.10	U	0.87	3.10	3.80	ug/Kg
74-87-3	Chloromethane	1.90	U	0.87	1.90	3.80	ug/Kg
75-01-4	Vinyl Chloride	1.90	U	0.60	1.90	3.80	ug/Kg
74-83-9	Bromomethane	3.10	U	0.82	3.10	3.80	ug/Kg
75-00-3	Chloroethane	1.90	U	0.96	1.90	3.80	ug/Kg
75-69-4	Trichlorofluoromethane	3.10	U	0.92	3.10	3.80	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.90	U	0.81	1.90	3.80	ug/Kg
75-35-4	1,1-Dichloroethene	1.90	U	0.76	1.90	3.80	ug/Kg
67-64-1	Acetone	64.0		3.60	15.3	19.1	ug/Kg
75-15-0	Carbon Disulfide	3.10	U	0.81	3.10	3.80	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.90	U	0.56	1.90	3.80	ug/Kg
79-20-9	Methyl Acetate	3.10	U	1.20	3.10	3.80	ug/Kg
75-09-2	Methylene Chloride	6.10	U	2.70	6.10	7.60	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.90	U	0.66	1.90	3.80	ug/Kg
75-34-3	1,1-Dichloroethane	1.90	U	0.61	1.90	3.80	ug/Kg
110-82-7	Cyclohexane	1.90	U	0.60	1.90	3.80	ug/Kg
78-93-3	2-Butanone	6.70	J	5.00	15.3	19.1	ug/Kg
56-23-5	Carbon Tetrachloride	1.90	U	0.74	1.90	3.80	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1.90	U	0.57	1.90	3.80	ug/Kg
74-97-5	Bromochloromethane	3.10	U	0.88	3.10	3.80	ug/Kg
67-66-3	Chloroform	3.10	U	0.64	3.10	3.80	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.90	U	0.71	1.90	3.80	ug/Kg
108-87-2	Methylcyclohexane	1.90	U	0.69	1.90	3.80	ug/Kg
71-43-2	Benzene	1.90	U	0.60	1.90	3.80	ug/Kg
107-06-2	1,2-Dichloroethane	1.90	U	0.60	1.90	3.80	ug/Kg
79-01-6	Trichloroethene	1.90	U	0.62	1.90	3.80	ug/Kg
78-87-5	1,2-Dichloropropane	1.90	U	0.69	1.90	3.80	ug/Kg
75-27-4	Bromodichloromethane	1.90	U	0.60	1.90	3.80	ug/Kg
108-10-1	4-Methyl-2-Pentanone	9.50	U	2.70	9.50	19.1	ug/Kg
108-88-3	Toluene	1.90	U	0.60	1.90	3.80	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	88H-N	SDG No.:	Q2820
Lab Sample ID:	Q2820-18	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	86.3
Sample Wt/Vol:	7.59 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032101.D	1	08/14/25 18:02	VW081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	1.90	U	0.50	1.90	3.80	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1.90	U	0.47	1.90	3.80	ug/Kg
79-00-5	1,1,2-Trichloroethane	1.90	U	0.70	1.90	3.80	ug/Kg
591-78-6	2-Hexanone	9.50	U	2.80	9.50	19.1	ug/Kg
124-48-1	Dibromochloromethane	1.90	U	0.66	1.90	3.80	ug/Kg
106-93-4	1,2-Dibromoethane	1.90	U	0.67	1.90	3.80	ug/Kg
127-18-4	Tetrachloroethene	1.90	U	0.80	1.90	3.80	ug/Kg
108-90-7	Chlorobenzene	1.90	U	0.69	1.90	3.80	ug/Kg
100-41-4	Ethyl Benzene	1.90	U	0.51	1.90	3.80	ug/Kg
179601-23-1	m/p-Xylenes	3.80	U	0.95	3.80	7.60	ug/Kg
95-47-6	o-Xylene	1.90	U	0.63	1.90	3.80	ug/Kg
100-42-5	Styrene	1.90	U	0.54	1.90	3.80	ug/Kg
75-25-2	Bromoform	1.90	U	0.66	1.90	3.80	ug/Kg
98-82-8	Isopropylbenzene	1.90	U	0.60	1.90	3.80	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.90	U	0.92	1.90	3.80	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.90	U	1.30	1.90	3.80	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.90	U	1.20	1.90	3.80	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.90	U	1.10	1.90	3.80	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3.10	U	1.40	3.10	3.80	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	3.10	U	2.30	3.10	3.80	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	3.10	U	2.40	3.10	3.80	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	58.4		71 - 136		117%	SPK: 50
1868-53-7	Dibromofluoromethane	55.7		78 - 119		111%	SPK: 50
2037-26-5	Toluene-d8	50.5		85 - 116		101%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.0		79 - 119		106%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	147000	7.959				
540-36-3	1,4-Difluorobenzene	297000	8.856				
3114-55-4	Chlorobenzene-d5	296000	11.629				
3855-82-1	1,4-Dichlorobenzene-d4	149000	13.556				

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	88H-N	SDG No.:	Q2820
Lab Sample ID:	Q2820-18	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	86.3
Sample Wt/Vol:	7.59 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032101.D	1	08/14/25 18:02	VW081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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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

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	88H-W	SDG No.:	Q2820
Lab Sample ID:	Q2820-19	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	88.6
Sample Wt/Vol:	9.63 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032102.D	1	08/14/25 18:25	VW081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	2.30	U	0.67	2.30	2.90	ug/Kg
74-87-3	Chloromethane	1.50	U	0.67	1.50	2.90	ug/Kg
75-01-4	Vinyl Chloride	1.50	U	0.46	1.50	2.90	ug/Kg
74-83-9	Bromomethane	2.30	U	0.63	2.30	2.90	ug/Kg
75-00-3	Chloroethane	1.50	U	0.74	1.50	2.90	ug/Kg
75-69-4	Trichlorofluoromethane	2.30	U	0.71	2.30	2.90	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.50	U	0.62	1.50	2.90	ug/Kg
75-35-4	1,1-Dichloroethene	1.50	U	0.59	1.50	2.90	ug/Kg
67-64-1	Acetone	58.9		2.80	11.7	14.7	ug/Kg
75-15-0	Carbon Disulfide	2.30	U	0.62	2.30	2.90	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.50	U	0.43	1.50	2.90	ug/Kg
79-20-9	Methyl Acetate	2.30	U	0.90	2.30	2.90	ug/Kg
75-09-2	Methylene Chloride	3.80	J	2.10	4.70	5.90	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.50	U	0.50	1.50	2.90	ug/Kg
75-34-3	1,1-Dichloroethane	1.50	U	0.47	1.50	2.90	ug/Kg
110-82-7	Cyclohexane	1.50	U	0.46	1.50	2.90	ug/Kg
78-93-3	2-Butanone	5.50	J	3.80	11.7	14.7	ug/Kg
56-23-5	Carbon Tetrachloride	1.50	U	0.57	1.50	2.90	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1.50	U	0.44	1.50	2.90	ug/Kg
74-97-5	Bromochloromethane	2.30	U	0.67	2.30	2.90	ug/Kg
67-66-3	Chloroform	2.30	U	0.49	2.30	2.90	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.50	U	0.54	1.50	2.90	ug/Kg
108-87-2	Methylcyclohexane	1.50	U	0.53	1.50	2.90	ug/Kg
71-43-2	Benzene	1.50	U	0.46	1.50	2.90	ug/Kg
107-06-2	1,2-Dichloroethane	1.50	U	0.46	1.50	2.90	ug/Kg
79-01-6	Trichloroethene	1.50	U	0.47	1.50	2.90	ug/Kg
78-87-5	1,2-Dichloropropane	1.50	U	0.53	1.50	2.90	ug/Kg
75-27-4	Bromodichloromethane	1.50	U	0.46	1.50	2.90	ug/Kg
108-10-1	4-Methyl-2-Pentanone	7.30	U	2.10	7.30	14.7	ug/Kg
108-88-3	Toluene	1.50	U	0.46	1.50	2.90	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	88H-W	SDG No.:	Q2820
Lab Sample ID:	Q2820-19	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	88.6
Sample Wt/Vol:	9.63 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032102.D	1	08/14/25 18:25	VW081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	1.50	U	0.38	1.50	2.90	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1.50	U	0.36	1.50	2.90	ug/Kg
79-00-5	1,1,2-Trichloroethane	1.50	U	0.54	1.50	2.90	ug/Kg
591-78-6	2-Hexanone	7.30	U	2.20	7.30	14.7	ug/Kg
124-48-1	Dibromochloromethane	1.50	U	0.51	1.50	2.90	ug/Kg
106-93-4	1,2-Dibromoethane	1.50	U	0.52	1.50	2.90	ug/Kg
127-18-4	Tetrachloroethene	1.50	U	0.62	1.50	2.90	ug/Kg
108-90-7	Chlorobenzene	1.50	U	0.53	1.50	2.90	ug/Kg
100-41-4	Ethyl Benzene	1.50	U	0.39	1.50	2.90	ug/Kg
179601-23-1	m/p-Xylenes	2.90	U	0.73	2.90	5.90	ug/Kg
95-47-6	o-Xylene	1.50	U	0.48	1.50	2.90	ug/Kg
100-42-5	Styrene	1.50	U	0.42	1.50	2.90	ug/Kg
75-25-2	Bromoform	1.50	U	0.50	1.50	2.90	ug/Kg
98-82-8	Isopropylbenzene	1.50	U	0.46	1.50	2.90	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.50	U	0.71	1.50	2.90	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.50	U	1.00	1.50	2.90	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.50	U	0.91	1.50	2.90	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.50	U	0.85	1.50	2.90	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	2.30	U	1.10	2.30	2.90	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2.30	U	1.70	2.30	2.90	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	2.30	U	1.90	2.30	2.90	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	59.5		71 - 136		119%	SPK: 50
1868-53-7	Dibromofluoromethane	54.5		78 - 119		109%	SPK: 50
2037-26-5	Toluene-d8	50.2		85 - 116		100%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.0		79 - 119		100%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	140000	7.965				
540-36-3	1,4-Difluorobenzene	295000	8.855				
3114-55-4	Chlorobenzene-d5	290000	11.629				
3855-82-1	1,4-Dichlorobenzene-d4	145000	13.556				

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	88H-W	SDG No.:	Q2820
Lab Sample ID:	Q2820-19	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	88.6
Sample Wt/Vol:	9.63 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032102.D	1	08/14/25 18:25	VW081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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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

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	88H-S	SDG No.:	Q2820
Lab Sample ID:	Q2820-20	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	84.6
Sample Wt/Vol:	8.76 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032103.D	1	08/14/25 18:47	VW081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	2.70	U	0.77	2.70	3.40	ug/Kg
74-87-3	Chloromethane	1.70	U	0.77	1.70	3.40	ug/Kg
75-01-4	Vinyl Chloride	1.70	U	0.53	1.70	3.40	ug/Kg
74-83-9	Bromomethane	2.70	U	0.72	2.70	3.40	ug/Kg
75-00-3	Chloroethane	1.70	U	0.85	1.70	3.40	ug/Kg
75-69-4	Trichlorofluoromethane	2.70	U	0.82	2.70	3.40	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.70	U	0.72	1.70	3.40	ug/Kg
75-35-4	1,1-Dichloroethene	1.70	U	0.67	1.70	3.40	ug/Kg
67-64-1	Acetone	47.3		3.20	13.5	16.9	ug/Kg
75-15-0	Carbon Disulfide	2.70	U	0.72	2.70	3.40	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.70	U	0.49	1.70	3.40	ug/Kg
79-20-9	Methyl Acetate	2.70	U	1.00	2.70	3.40	ug/Kg
75-09-2	Methylene Chloride	5.40	U	2.40	5.40	6.70	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.70	U	0.58	1.70	3.40	ug/Kg
75-34-3	1,1-Dichloroethane	1.70	U	0.54	1.70	3.40	ug/Kg
110-82-7	Cyclohexane	1.70	U	0.53	1.70	3.40	ug/Kg
78-93-3	2-Butanone	13.5	U	4.40	13.5	16.9	ug/Kg
56-23-5	Carbon Tetrachloride	1.70	U	0.65	1.70	3.40	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1.70	U	0.51	1.70	3.40	ug/Kg
74-97-5	Bromochloromethane	2.70	U	0.78	2.70	3.40	ug/Kg
67-66-3	Chloroform	2.70	U	0.57	2.70	3.40	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.70	U	0.63	1.70	3.40	ug/Kg
108-87-2	Methylcyclohexane	1.70	U	0.61	1.70	3.40	ug/Kg
71-43-2	Benzene	1.70	U	0.53	1.70	3.40	ug/Kg
107-06-2	1,2-Dichloroethane	1.70	U	0.53	1.70	3.40	ug/Kg
79-01-6	Trichloroethene	1.70	U	0.55	1.70	3.40	ug/Kg
78-87-5	1,2-Dichloropropane	1.70	U	0.61	1.70	3.40	ug/Kg
75-27-4	Bromodichloromethane	1.70	U	0.53	1.70	3.40	ug/Kg
108-10-1	4-Methyl-2-Pentanone	8.40	U	2.40	8.40	16.9	ug/Kg
108-88-3	Toluene	1.70	U	0.53	1.70	3.40	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	88H-S	SDG No.:	Q2820
Lab Sample ID:	Q2820-20	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	84.6
Sample Wt/Vol:	8.76	Units:	g
Soil Aliquot Vol:			uL
GC Column:	RXI-624	Final Vol:	5000
Prep Method :	ID : 0.25	Test:	VOC-TCLVOA-10
		Level :	LOW

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032103.D	1	08/14/25 18:47	VW081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	1.70	U	0.44	1.70	3.40	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1.70	U	0.42	1.70	3.40	ug/Kg
79-00-5	1,1,2-Trichloroethane	1.70	U	0.62	1.70	3.40	ug/Kg
591-78-6	2-Hexanone	8.40	U	2.50	8.40	16.9	ug/Kg
124-48-1	Dibromochloromethane	1.70	U	0.59	1.70	3.40	ug/Kg
106-93-4	1,2-Dibromoethane	1.70	U	0.59	1.70	3.40	ug/Kg
127-18-4	Tetrachloroethene	1.70	U	0.71	1.70	3.40	ug/Kg
108-90-7	Chlorobenzene	1.70	U	0.61	1.70	3.40	ug/Kg
100-41-4	Ethyl Benzene	1.70	U	0.45	1.70	3.40	ug/Kg
179601-23-1	m/p-Xylenes	3.40	U	0.84	3.40	6.70	ug/Kg
95-47-6	o-Xylene	1.70	U	0.55	1.70	3.40	ug/Kg
100-42-5	Styrene	1.70	U	0.48	1.70	3.40	ug/Kg
75-25-2	Bromoform	1.70	U	0.58	1.70	3.40	ug/Kg
98-82-8	Isopropylbenzene	1.70	U	0.53	1.70	3.40	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.70	U	0.82	1.70	3.40	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.70	U	1.20	1.70	3.40	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.70	U	1.10	1.70	3.40	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.70	U	0.98	1.70	3.40	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	2.70	U	1.20	2.70	3.40	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2.70	U	2.00	2.70	3.40	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	2.70	U	2.10	2.70	3.40	ug/Kg

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	60.4	71 - 136	121%	SPK: 50
1868-53-7	Dibromofluoromethane	55.3	78 - 119	111%	SPK: 50
2037-26-5	Toluene-d8	49.9	85 - 116	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.3	79 - 119	97%	SPK: 50

INTERNAL STANDARDS

363-72-4	Pentafluorobenzene	146000	7.965
540-36-3	1,4-Difluorobenzene	298000	8.856
3114-55-4	Chlorobenzene-d5	290000	11.636
3855-82-1	1,4-Dichlorobenzene-d4	135000	13.556

TENTATIVE IDENTIFIED COMPOUNDS

C

D

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	88H-S	SDG No.:	Q2820
Lab Sample ID:	Q2820-20	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	84.6
Sample Wt/Vol:	8.76 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032103.D	1	08/14/25 18:47	VW081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
000075-18-3	Dimethyl sulfide	4.30	J			4.24	ug/Kg

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

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	22M-N	SDG No.:	Q2820
Lab Sample ID:	Q2820-21	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	92.2
Sample Wt/Vol:	7.59 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY023118.D	1	08/15/25 11:54	VY081525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	2.90	U	0.81	2.90	3.60	ug/Kg
74-87-3	Chloromethane	1.80	U	0.81	1.80	3.60	ug/Kg
75-01-4	Vinyl Chloride	1.80	U	0.56	1.80	3.60	ug/Kg
74-83-9	Bromomethane	2.90	U	0.76	2.90	3.60	ug/Kg
75-00-3	Chloroethane	1.80	U	0.90	1.80	3.60	ug/Kg
75-69-4	Trichlorofluoromethane	2.90	U	0.86	2.90	3.60	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.80	U	0.76	1.80	3.60	ug/Kg
75-35-4	1,1-Dichloroethene	1.80	U	0.71	1.80	3.60	ug/Kg
67-64-1	Acetone	14.3	U	3.40	14.3	17.9	ug/Kg
75-15-0	Carbon Disulfide	2.90	U	0.76	2.90	3.60	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.80	U	0.52	1.80	3.60	ug/Kg
79-20-9	Methyl Acetate	2.90	U	1.10	2.90	3.60	ug/Kg
75-09-2	Methylene Chloride	5.70	U	2.50	5.70	7.10	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.80	U	0.61	1.80	3.60	ug/Kg
75-34-3	1,1-Dichloroethane	1.80	U	0.57	1.80	3.60	ug/Kg
110-82-7	Cyclohexane	1.80	U	0.56	1.80	3.60	ug/Kg
78-93-3	2-Butanone	14.3	U	4.70	14.3	17.9	ug/Kg
56-23-5	Carbon Tetrachloride	1.80	U	0.69	1.80	3.60	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1.80	U	0.54	1.80	3.60	ug/Kg
74-97-5	Bromochloromethane	2.90	U	0.82	2.90	3.60	ug/Kg
67-66-3	Chloroform	2.90	U	0.60	2.90	3.60	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.80	U	0.66	1.80	3.60	ug/Kg
108-87-2	Methylcyclohexane	1.80	U	0.65	1.80	3.60	ug/Kg
71-43-2	Benzene	1.80	U	0.56	1.80	3.60	ug/Kg
107-06-2	1,2-Dichloroethane	1.80	U	0.56	1.80	3.60	ug/Kg
79-01-6	Trichloroethene	1.80	U	0.58	1.80	3.60	ug/Kg
78-87-5	1,2-Dichloropropane	1.80	U	0.65	1.80	3.60	ug/Kg
75-27-4	Bromodichloromethane	1.80	U	0.56	1.80	3.60	ug/Kg
108-10-1	4-Methyl-2-Pentanone	8.90	U	2.60	8.90	17.9	ug/Kg
108-88-3	Toluene	1.80	U	0.56	1.80	3.60	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	22M-N	SDG No.:	Q2820
Lab Sample ID:	Q2820-21	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	92.2
Sample Wt/Vol:	7.59 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY023118.D	1	08/15/25 11:54	VY081525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	1.80	U	0.46	1.80	3.60	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1.80	U	0.44	1.80	3.60	ug/Kg
79-00-5	1,1,2-Trichloroethane	1.80	U	0.66	1.80	3.60	ug/Kg
591-78-6	2-Hexanone	8.90	U	2.60	8.90	17.9	ug/Kg
124-48-1	Dibromochloromethane	1.80	U	0.62	1.80	3.60	ug/Kg
106-93-4	1,2-Dibromoethane	1.80	U	0.63	1.80	3.60	ug/Kg
127-18-4	Tetrachloroethene	1.80	U	0.75	1.80	3.60	ug/Kg
108-90-7	Chlorobenzene	1.80	U	0.65	1.80	3.60	ug/Kg
100-41-4	Ethyl Benzene	1.80	U	0.48	1.80	3.60	ug/Kg
179601-23-1	m/p-Xylenes	3.60	U	0.89	3.60	7.10	ug/Kg
95-47-6	o-Xylene	1.80	U	0.59	1.80	3.60	ug/Kg
100-42-5	Styrene	1.80	U	0.51	1.80	3.60	ug/Kg
75-25-2	Bromoform	1.80	U	0.61	1.80	3.60	ug/Kg
98-82-8	Isopropylbenzene	1.80	U	0.56	1.80	3.60	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.80	U	0.86	1.80	3.60	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.80	U	1.20	1.80	3.60	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.80	U	1.10	1.80	3.60	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.80	U	1.00	1.80	3.60	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	2.90	U	1.30	2.90	3.60	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2.90	U	2.10	2.90	3.60	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	2.90	U	2.30	2.90	3.60	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	57.1		71 - 136		114%	SPK: 50
1868-53-7	Dibromofluoromethane	52.7		78 - 119		105%	SPK: 50
2037-26-5	Toluene-d8	51.8		85 - 116		104%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.4		79 - 119		97%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	571000	7.707				
540-36-3	1,4-Difluorobenzene	1080000	8.61				
3114-55-4	Chlorobenzene-d5	964000	11.414				
3855-82-1	1,4-Dichlorobenzene-d4	388000	13.34				

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	22M-N	SDG No.:	Q2820
Lab Sample ID:	Q2820-21	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	92.2
Sample Wt/Vol:	7.59 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY023118.D	1	08/15/25 11:54	VY081525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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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

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	22M-W	SDG No.:	Q2820
Lab Sample ID:	Q2820-22	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	52.9
Sample Wt/Vol:	8.08 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY023119.D	1	08/15/25 12:18	VY081525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	4.70	U	1.30	4.70	5.80	ug/Kg
74-87-3	Chloromethane	2.90	U	1.30	2.90	5.80	ug/Kg
75-01-4	Vinyl Chloride	2.90	U	0.92	2.90	5.80	ug/Kg
74-83-9	Bromomethane	4.70	U	1.30	4.70	5.80	ug/Kg
75-00-3	Chloroethane	2.90	U	1.50	2.90	5.80	ug/Kg
75-69-4	Trichlorofluoromethane	4.70	U	1.40	4.70	5.80	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	2.90	U	1.20	2.90	5.80	ug/Kg
75-35-4	1,1-Dichloroethene	2.90	U	1.20	2.90	5.80	ug/Kg
67-64-1	Acetone	18.1	J	5.50	23.4	29.2	ug/Kg
75-15-0	Carbon Disulfide	4.70	J	1.20	4.70	5.80	ug/Kg
1634-04-4	Methyl tert-butyl Ether	2.90	U	0.85	2.90	5.80	ug/Kg
79-20-9	Methyl Acetate	4.70	U	1.80	4.70	5.80	ug/Kg
75-09-2	Methylene Chloride	9.40	U	4.10	9.40	11.7	ug/Kg
156-60-5	trans-1,2-Dichloroethene	2.90	U	1.00	2.90	5.80	ug/Kg
75-34-3	1,1-Dichloroethane	2.90	U	0.94	2.90	5.80	ug/Kg
110-82-7	Cyclohexane	2.90	U	0.92	2.90	5.80	ug/Kg
78-93-3	2-Butanone	23.4	U	7.70	23.4	29.2	ug/Kg
56-23-5	Carbon Tetrachloride	2.90	U	1.10	2.90	5.80	ug/Kg
156-59-2	cis-1,2-Dichloroethene	2.90	U	0.88	2.90	5.80	ug/Kg
74-97-5	Bromochloromethane	4.70	U	1.30	4.70	5.80	ug/Kg
67-66-3	Chloroform	4.70	U	0.98	4.70	5.80	ug/Kg
71-55-6	1,1,1-Trichloroethane	2.90	U	1.10	2.90	5.80	ug/Kg
108-87-2	Methylcyclohexane	2.90	U	1.10	2.90	5.80	ug/Kg
71-43-2	Benzene	2.90	U	0.92	2.90	5.80	ug/Kg
107-06-2	1,2-Dichloroethane	2.90	U	0.92	2.90	5.80	ug/Kg
79-01-6	Trichloroethene	2.90	U	0.95	2.90	5.80	ug/Kg
78-87-5	1,2-Dichloropropane	2.90	U	1.10	2.90	5.80	ug/Kg
75-27-4	Bromodichloromethane	2.90	U	0.91	2.90	5.80	ug/Kg
108-10-1	4-Methyl-2-Pentanone	14.6	U	4.20	14.6	29.2	ug/Kg
108-88-3	Toluene	2.90	U	0.91	2.90	5.80	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	22M-W	SDG No.:	Q2820
Lab Sample ID:	Q2820-22	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	52.9
Sample Wt/Vol:	8.08 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY023119.D	1	08/15/25 12:18	VY081525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	2.90	U	0.76	2.90	5.80	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	2.90	U	0.73	2.90	5.80	ug/Kg
79-00-5	1,1,2-Trichloroethane	2.90	U	1.10	2.90	5.80	ug/Kg
591-78-6	2-Hexanone	14.6	U	4.30	14.6	29.2	ug/Kg
124-48-1	Dibromochloromethane	2.90	U	1.00	2.90	5.80	ug/Kg
106-93-4	1,2-Dibromoethane	2.90	U	1.00	2.90	5.80	ug/Kg
127-18-4	Tetrachloroethene	2.90	U	1.20	2.90	5.80	ug/Kg
108-90-7	Chlorobenzene	2.90	U	1.10	2.90	5.80	ug/Kg
100-41-4	Ethyl Benzene	2.90	U	0.78	2.90	5.80	ug/Kg
179601-23-1	m/p-Xylenes	5.80	U	1.50	5.80	11.7	ug/Kg
95-47-6	o-Xylene	2.90	U	0.96	2.90	5.80	ug/Kg
100-42-5	Styrene	2.90	U	0.83	2.90	5.80	ug/Kg
75-25-2	Bromoform	2.90	U	1.00	2.90	5.80	ug/Kg
98-82-8	Isopropylbenzene	2.90	U	0.91	2.90	5.80	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	2.90	U	1.40	2.90	5.80	ug/Kg
541-73-1	1,3-Dichlorobenzene	2.90	U	2.00	2.90	5.80	ug/Kg
106-46-7	1,4-Dichlorobenzene	2.90	U	1.80	2.90	5.80	ug/Kg
95-50-1	1,2-Dichlorobenzene	2.90	U	1.70	2.90	5.80	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	4.70	U	2.20	4.70	5.80	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	4.70	U	3.50	4.70	5.80	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	4.70	U	3.70	4.70	5.80	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	60.8		71 - 136		122%	SPK: 50
1868-53-7	Dibromofluoromethane	52.8		78 - 119		106%	SPK: 50
2037-26-5	Toluene-d8	51.5		85 - 116		103%	SPK: 50
460-00-4	4-Bromofluorobenzene	42.6		79 - 119		85%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	565000	7.707				
540-36-3	1,4-Difluorobenzene	1080000	8.616				
3114-55-4	Chlorobenzene-d5	920000	11.414				
3855-82-1	1,4-Dichlorobenzene-d4	312000	13.34				

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	22M-W	SDG No.:	Q2820
Lab Sample ID:	Q2820-22	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	52.9
Sample Wt/Vol:	8.08 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY023119.D	1	08/15/25 12:18	VY081525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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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

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	22M-E	SDG No.:	Q2820
Lab Sample ID:	Q2820-23	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	34
Sample Wt/Vol:	4.45 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY023143.D	1	08/19/25 12:07	VY081925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	13.2	U	3.80	13.2	16.5	ug/Kg
74-87-3	Chloromethane	8.30	U	3.80	8.30	16.5	ug/Kg
75-01-4	Vinyl Chloride	8.30	U	2.60	8.30	16.5	ug/Kg
74-83-9	Bromomethane	13.2	U	3.50	13.2	16.5	ug/Kg
75-00-3	Chloroethane	8.30	U	4.20	8.30	16.5	ug/Kg
75-69-4	Trichlorofluoromethane	13.2	U	4.00	13.2	16.5	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	8.30	U	3.50	8.30	16.5	ug/Kg
75-35-4	1,1-Dichloroethene	8.30	U	3.30	8.30	16.5	ug/Kg
67-64-1	Acetone	66.1	U	15.7	66.1	82.6	ug/Kg
75-15-0	Carbon Disulfide	13.2	U	3.50	13.2	16.5	ug/Kg
1634-04-4	Methyl tert-butyl Ether	8.30	U	2.40	8.30	16.5	ug/Kg
79-20-9	Methyl Acetate	13.2	U	5.10	13.2	16.5	ug/Kg
75-09-2	Methylene Chloride	26.4	U	11.7	26.4	33.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	8.30	U	2.80	8.30	16.5	ug/Kg
75-34-3	1,1-Dichloroethane	8.30	U	2.60	8.30	16.5	ug/Kg
110-82-7	Cyclohexane	8.30	U	2.60	8.30	16.5	ug/Kg
78-93-3	2-Butanone	66.1	U	21.6	66.1	82.6	ug/Kg
56-23-5	Carbon Tetrachloride	8.30	U	3.20	8.30	16.5	ug/Kg
156-59-2	cis-1,2-Dichloroethene	8.30	U	2.50	8.30	16.5	ug/Kg
74-97-5	Bromochloromethane	13.2	U	3.80	13.2	16.5	ug/Kg
67-66-3	Chloroform	13.2	U	2.80	13.2	16.5	ug/Kg
71-55-6	1,1,1-Trichloroethane	8.30	U	3.10	8.30	16.5	ug/Kg
108-87-2	Methylcyclohexane	8.30	U	3.00	8.30	16.5	ug/Kg
71-43-2	Benzene	8.30	U	2.60	8.30	16.5	ug/Kg
107-06-2	1,2-Dichloroethane	8.30	U	2.60	8.30	16.5	ug/Kg
79-01-6	Trichloroethene	8.30	U	2.70	8.30	16.5	ug/Kg
78-87-5	1,2-Dichloropropane	8.30	U	3.00	8.30	16.5	ug/Kg
75-27-4	Bromodichloromethane	8.30	U	2.60	8.30	16.5	ug/Kg
108-10-1	4-Methyl-2-Pentanone	41.3	U	11.8	41.3	82.6	ug/Kg
108-88-3	Toluene	8.30	U	2.60	8.30	16.5	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	22M-E	SDG No.:	Q2820
Lab Sample ID:	Q2820-23	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	34
Sample Wt/Vol:	4.45 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY023143.D	1	08/19/25 12:07	VY081925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	8.30	U	2.10	8.30	16.5	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	8.30	U	2.00	8.30	16.5	ug/Kg
79-00-5	1,1,2-Trichloroethane	8.30	U	3.00	8.30	16.5	ug/Kg
591-78-6	2-Hexanone	41.3	U	12.2	41.3	82.6	ug/Kg
124-48-1	Dibromochloromethane	8.30	U	2.90	8.30	16.5	ug/Kg
106-93-4	1,2-Dibromoethane	8.30	U	2.90	8.30	16.5	ug/Kg
127-18-4	Tetrachloroethene	8.30	U	3.50	8.30	16.5	ug/Kg
108-90-7	Chlorobenzene	8.30	U	3.00	8.30	16.5	ug/Kg
100-41-4	Ethyl Benzene	8.30	U	2.20	8.30	16.5	ug/Kg
179601-23-1	m/p-Xylenes	16.5	U	4.10	16.5	33.0	ug/Kg
95-47-6	o-Xylene	8.30	U	2.70	8.30	16.5	ug/Kg
100-42-5	Styrene	8.30	U	2.30	8.30	16.5	ug/Kg
75-25-2	Bromoform	8.30	U	2.80	8.30	16.5	ug/Kg
98-82-8	Isopropylbenzene	8.30	U	2.60	8.30	16.5	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	8.30	U	4.00	8.30	16.5	ug/Kg
541-73-1	1,3-Dichlorobenzene	8.30	U	5.70	8.30	16.5	ug/Kg
106-46-7	1,4-Dichlorobenzene	8.30	U	5.20	8.30	16.5	ug/Kg
95-50-1	1,2-Dichlorobenzene	8.30	U	4.80	8.30	16.5	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	13.2	U	6.10	13.2	16.5	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	13.2	U	9.80	13.2	16.5	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	13.2	U	10.5	13.2	16.5	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	57.1		71 - 136		114%	SPK: 50
1868-53-7	Dibromofluoromethane	52.7		78 - 119		105%	SPK: 50
2037-26-5	Toluene-d8	50.8		85 - 116		102%	SPK: 50
460-00-4	4-Bromofluorobenzene	41.4		79 - 119		83%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	606000	7.707				
540-36-3	1,4-Difluorobenzene	1110000	8.616				
3114-55-4	Chlorobenzene-d5	926000	11.414				
3855-82-1	1,4-Dichlorobenzene-d4	307000	13.347				

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	22M-E	SDG No.:	Q2820
Lab Sample ID:	Q2820-23	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	34
Sample Wt/Vol:	4.45 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY023143.D	1	08/19/25 12:07	VY081925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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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

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	22M-S	SDG No.:	Q2820
Lab Sample ID:	Q2820-24	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	89
Sample Wt/Vol:	5.99 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY023122.D	1	08/15/25 13:28	VY081525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	3.80	U	1.10	3.80	4.70	ug/Kg
74-87-3	Chloromethane	2.30	U	1.10	2.30	4.70	ug/Kg
75-01-4	Vinyl Chloride	2.30	U	0.74	2.30	4.70	ug/Kg
74-83-9	Bromomethane	3.80	U	1.00	3.80	4.70	ug/Kg
75-00-3	Chloroethane	2.30	U	1.20	2.30	4.70	ug/Kg
75-69-4	Trichlorofluoromethane	3.80	U	1.10	3.80	4.70	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	2.30	U	0.99	2.30	4.70	ug/Kg
75-35-4	1,1-Dichloroethene	2.30	U	0.94	2.30	4.70	ug/Kg
67-64-1	Acetone	8.00	J	4.40	18.8	23.4	ug/Kg
75-15-0	Carbon Disulfide	2.60	J	0.99	3.80	4.70	ug/Kg
1634-04-4	Methyl tert-butyl Ether	2.30	U	0.68	2.30	4.70	ug/Kg
79-20-9	Methyl Acetate	3.80	U	1.40	3.80	4.70	ug/Kg
75-09-2	Methylene Chloride	7.50	U	3.30	7.50	9.40	ug/Kg
156-60-5	trans-1,2-Dichloroethene	2.30	U	0.81	2.30	4.70	ug/Kg
75-34-3	1,1-Dichloroethane	2.30	U	0.75	2.30	4.70	ug/Kg
110-82-7	Cyclohexane	2.30	U	0.74	2.30	4.70	ug/Kg
78-93-3	2-Butanone	18.8	U	6.10	18.8	23.4	ug/Kg
56-23-5	Carbon Tetrachloride	2.30	U	0.91	2.30	4.70	ug/Kg
156-59-2	cis-1,2-Dichloroethene	2.30	U	0.70	2.30	4.70	ug/Kg
74-97-5	Bromochloromethane	3.80	U	1.10	3.80	4.70	ug/Kg
67-66-3	Chloroform	3.80	U	0.79	3.80	4.70	ug/Kg
71-55-6	1,1,1-Trichloroethane	2.30	U	0.87	2.30	4.70	ug/Kg
108-87-2	Methylcyclohexane	2.30	U	0.85	2.30	4.70	ug/Kg
71-43-2	Benzene	2.30	U	0.74	2.30	4.70	ug/Kg
107-06-2	1,2-Dichloroethane	2.30	U	0.74	2.30	4.70	ug/Kg
79-01-6	Trichloroethene	2.30	U	0.76	2.30	4.70	ug/Kg
78-87-5	1,2-Dichloropropane	2.30	U	0.85	2.30	4.70	ug/Kg
75-27-4	Bromodichloromethane	2.30	U	0.73	2.30	4.70	ug/Kg
108-10-1	4-Methyl-2-Pentanone	11.7	U	3.40	11.7	23.4	ug/Kg
108-88-3	Toluene	2.30	U	0.73	2.30	4.70	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	22M-S	SDG No.:	Q2820
Lab Sample ID:	Q2820-24	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	89
Sample Wt/Vol:	5.99	Units:	g
Soil Aliquot Vol:		Final Vol:	5000 uL
		Test:	VOC-TCLVOA-10
GC Column:	RXI-624	Level :	LOW
Prep Method :	ID : 0.25		

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY023122.D	1	08/15/25 13:28	VY081525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	2.30	U	0.61	2.30	4.70	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	2.30	U	0.58	2.30	4.70	ug/Kg
79-00-5	1,1,2-Trichloroethane	2.30	U	0.86	2.30	4.70	ug/Kg
591-78-6	2-Hexanone	11.7	U	3.50	11.7	23.4	ug/Kg
124-48-1	Dibromochloromethane	2.30	U	0.82	2.30	4.70	ug/Kg
106-93-4	1,2-Dibromoethane	2.30	U	0.83	2.30	4.70	ug/Kg
127-18-4	Tetrachloroethene	2.30	U	0.98	2.30	4.70	ug/Kg
108-90-7	Chlorobenzene	2.30	U	0.85	2.30	4.70	ug/Kg
100-41-4	Ethyl Benzene	2.30	U	0.63	2.30	4.70	ug/Kg
179601-23-1	m/p-Xylenes	4.70	U	1.20	4.70	9.40	ug/Kg
95-47-6	o-Xylene	2.30	U	0.77	2.30	4.70	ug/Kg
100-42-5	Styrene	2.30	U	0.67	2.30	4.70	ug/Kg
75-25-2	Bromoform	2.30	U	0.81	2.30	4.70	ug/Kg
98-82-8	Isopropylbenzene	2.30	U	0.73	2.30	4.70	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	2.30	U	1.10	2.30	4.70	ug/Kg
541-73-1	1,3-Dichlorobenzene	2.30	U	1.60	2.30	4.70	ug/Kg
106-46-7	1,4-Dichlorobenzene	2.30	U	1.50	2.30	4.70	ug/Kg
95-50-1	1,2-Dichlorobenzene	2.30	U	1.40	2.30	4.70	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3.80	U	1.70	3.80	4.70	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	3.80	U	2.80	3.80	4.70	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	3.80	U	3.00	3.80	4.70	ug/Kg

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	55.7	71 - 136	111%	SPK: 50
1868-53-7	Dibromofluoromethane	51.4	78 - 119	103%	SPK: 50
2037-26-5	Toluene-d8	51.0	85 - 116	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.3	79 - 119	97%	SPK: 50

INTERNAL STANDARDS

363-72-4	Pentafluorobenzene	540000	7.707
540-36-3	1,4-Difluorobenzene	1020000	8.609
3114-55-4	Chlorobenzene-d5	889000	11.414
3855-82-1	1,4-Dichlorobenzene-d4	377000	13.34

TENTATIVE IDENTIFIED COMPOUNDS

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	22M-S	SDG No.:	Q2820
Lab Sample ID:	Q2820-24	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	89
Sample Wt/Vol:	5.99 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY023122.D	1	08/15/25 13:28	VY081525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
000091-17-8	Naphthalene, decahydro-	91.7	J			13.7	ug/Kg
002958-76-1	Naphthalene, decahydro-2-methyl-	150	J			14.2	ug/Kg
002958-75-0	1-Methyldecahydronaphthalene	91.3	J			14.3	ug/Kg
000112-40-3	Dodecane	64.1	J			14.5	ug/Kg
017301-23-4	Undecane, 2,6-dimethyl-	250	J			14.6	ug/Kg
002051-30-1	Octane, 2,6-dimethyl-	310	J			15.1	ug/Kg
000629-50-5	Tridecane	100	J			15.3	ug/Kg
	unknown15.505	150	J			15.5	ug/Kg
003891-98-3	Dodecane, 2,6,10-trimethyl-	100	J			16.0	ug/Kg
080655-44-3	Decahydro-1,1,4a,5,6-pentamethylna	120	J			16.6	ug/Kg

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

LAB CHRONICLE

OrderID:	Q2820	OrderDate:	8/11/2025 12:29:00 PM
Client:	First Environment, Inc.	Project:	USACE018-44 DOD
Contact:	Al Smith	Location:	D31,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2820-01	82H-S	SOIL	VOC-TCLVOA-10	8260D	08/06/25		08/19/25	08/08/25
Q2820-02	82H-W	SOIL	VOC-TCLVOA-10	8260D	08/06/25		08/14/25	08/08/25
Q2820-03	82H-N	SOIL	VOC-TCLVOA-10	8260D	08/06/25		08/14/25	08/08/25
Q2820-04	SOIL-DUP-1	SOIL	VOC-TCLVOA-10	8260D	08/06/25		08/14/25	08/08/25
Q2820-05	518R-E	SOIL	VOC-TCLVOA-10	8260D	08/07/25		08/14/25	08/08/25
Q2820-06	518R-N	SOIL	VOC-TCLVOA-10	8260D	08/07/25		08/14/25	08/08/25
Q2820-07	518R-S	SOIL	VOC-TCLVOA-10	8260D	08/07/25		08/14/25	08/08/25
Q2820-08	518R-W	SOIL	VOC-TCLVOA-10	8260D	08/07/25		08/14/25	08/08/25
Q2820-09	705R-S	SOIL	VOC-TCLVOA-10	8260D	08/07/25		08/14/25	08/08/25
Q2820-10	SOIL-DUP-2	SOIL	VOC-TCLVOA-10	8260D	08/07/25		08/14/25	08/08/25
Q2820-11	10PC-W	SOIL	VOC-TCLVOA-10	8260D	08/07/25		08/14/25	08/08/25
Q2820-12	10PC-S	SOIL			08/07/25			08/08/25

LAB CHRONICLE

			VOC-TCLVOA-10	8260D		08/14/25	
Q2820-13	10P-W	SOIL			08/07/25		08/08/25
			VOC-TCLVOA-10	8260D		08/14/25	
Q2820-14	10P-E	SOIL			08/07/25		08/08/25
			VOC-TCLVOA-10	8260D		08/14/25	
Q2820-15	10P-S	SOIL			08/07/25		08/08/25
			VOC-TCLVOA-10	8260D		08/19/25	
Q2820-16	10P-N	SOIL			08/07/25		08/08/25
			VOC-TCLVOA-10	8260D		08/14/25	
Q2820-17	88H-E	SOIL			08/08/25		08/08/25
			VOC-TCLVOA-10	8260D		08/14/25	
Q2820-18	88H-N	SOIL			08/08/25		08/08/25
			VOC-TCLVOA-10	8260D		08/14/25	
Q2820-19	88H-W	SOIL			08/08/25		08/08/25
			VOC-TCLVOA-10	8260D		08/14/25	
Q2820-20	88H-S	SOIL			08/08/25		08/08/25
			VOC-TCLVOA-10	8260D		08/14/25	
Q2820-21	22M-N	SOIL			08/08/25		08/08/25
			VOC-TCLVOA-10	8260D		08/15/25	
Q2820-22	22M-W	SOIL			08/08/25		08/08/25
			VOC-TCLVOA-10	8260D		08/15/25	
Q2820-23	22M-E	SOIL			08/08/25		08/08/25
			VOC-TCLVOA-10	8260D		08/19/25	
Q2820-24	22M-S	SOIL			08/08/25		08/08/25
			VOC-TCLVOA-10	8260D		08/15/25	

Hit Summary Sheet SW-846

SDG No.: Q2820
Client: First Environment, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID : 82H-S									
Q2820-01	82H-S	SOIL	2-Pentanone, 4-hydroxy-4-methyl *	180.000	AB	0		0	ug/Kg
Q2820-01	82H-S	SOIL	9-Tricosene, (Z)- *	220.000	J	0		0	ug/Kg
Q2820-01	82H-S	SOIL	Benzophenone *	180.000	J	0		0	ug/Kg
Q2820-01	82H-S	SOIL	Butane, 2-methoxy-2-methyl- *	800.000	J	0		0	ug/Kg
Q2820-01	82H-S	SOIL	n-Hexadecanoic acid *	350.000	J	0		0	ug/Kg
Total Tics :				1,730.00					
Total Concentration:				1,730.00					
Client ID : 82H-W									
Q2820-02	82H-W	SOIL	1-Hexacosene *	220.000	J	0		0	ug/Kg
Q2820-02	82H-W	SOIL	2-Pentanone, 4-hydroxy-4-methyl *	200.000	AB	0		0	ug/Kg
Q2820-02	82H-W	SOIL	3,5-Dimethoxy-4-hydroxycinnam: *	82.900	J	0		0	ug/Kg
Q2820-02	82H-W	SOIL	Benzophenone *	190.000	J	0		0	ug/Kg
Q2820-02	82H-W	SOIL	Butane, 2-methoxy-2-methyl- *	890.000	J	0		0	ug/Kg
Q2820-02	82H-W	SOIL	n-Hexadecanoic acid *	920.000	J	0		0	ug/Kg
Q2820-02	82H-W	SOIL	Octadecanoic acid *	230.000	J	0		0	ug/Kg
Q2820-02	82H-W	SOIL	trans-Sinapyl alcohol *	170.000	J	0		0	ug/Kg
Q2820-02	82H-W	SOIL	unknown16.354 *	120.000	J	0		0	ug/Kg
Q2820-02	82H-W	SOIL	unknown16.619 *	110.000	J	0		0	ug/Kg
Total Tics :				3,132.90					
Total Concentration:				3,132.90					
Client ID : 82H-N									
Q2820-03	82H-N	SOIL	Fluoranthene	110.000	J	34.3	150	190	ug/Kg
Q2820-03	82H-N	SOIL	Pyrene	87.500	J	41.1	150	190	ug/Kg
Total Svoc :				197.50					
Q2820-03	82H-N	SOIL	2-Pentanone, 4-hydroxy-4-methyl *	190.000	AB	0		0	ug/Kg
Q2820-03	82H-N	SOIL	Benzophenone *	150.000	J	0		0	ug/Kg
Q2820-03	82H-N	SOIL	Butane, 2-methoxy-2-methyl- *	970.000	J	0		0	ug/Kg
Q2820-03	82H-N	SOIL	Heptacosyl acetate *	200.000	J	0		0	ug/Kg
Q2820-03	82H-N	SOIL	Iron pentacarbonyl *	170.000	J	0		0	ug/Kg
Q2820-03	82H-N	SOIL	n-Hexadecanoic acid *	350.000	J	0		0	ug/Kg
Q2820-03	82H-N	SOIL	Octadecanoic acid *	77.000	J	0		0	ug/Kg
Total Tics :				2,107.00					
Total Concentration:				2,304.50					
Client ID : SOIL-DUP-1									
Q2820-04	SOIL-DUP-1	SOIL	1-Heneicosanol *	190.000	J	0		0	ug/Kg
Q2820-04	SOIL-DUP-1	SOIL	2-Pentanone, 4-hydroxy-4-methyl *	200.000	AB	0		0	ug/Kg

Hit Summary Sheet SW-846

SDG No.: Q2820
Client: First Environment, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units	
Q2820-04	SOIL-DUP-1	SOIL	Benzophenone	*	93.100	J	0	0	ug/Kg	
Q2820-04	SOIL-DUP-1	SOIL	Butane, 2-methoxy-2-methyl-	*	780.000	J	0	0	ug/Kg	
Q2820-04	SOIL-DUP-1	SOIL	n-Hexadecanoic acid	*	270.000	J	0	0	ug/Kg	
Total Tics :				1,533.10						
Total Concentration:				1,533.10						
Client ID : 518R-E										
Q2820-05	518R-E	SOIL	1-Heneicosanol	*	490.000	J	0	0	ug/Kg	
Q2820-05	518R-E	SOIL	1-Hexacosene	*	230.000	J	0	0	ug/Kg	
Q2820-05	518R-E	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	540.000	AB	0	0	ug/Kg	
Q2820-05	518R-E	SOIL	Benzophenone	*	290.000	J	0	0	ug/Kg	
Q2820-05	518R-E	SOIL	Butane, 2-methoxy-2-methyl-	*	2,300.000	J	0	0	ug/Kg	
Q2820-05	518R-E	SOIL	n-Hexadecanoic acid	*	650.000	J	0	0	ug/Kg	
Q2820-05	518R-E	SOIL	Octadecanoic acid	*	150.000	J	0	0	ug/Kg	
Q2820-05	518R-E	SOIL	Benzoic acid	*	470.000	J	390	670	ug/Kg	
Total Tics :				5,120.00						
Total Concentration:				5,120.00						
Client ID : 518R-N										
Q2820-06	518R-N	SOIL	Bis(2-ethylhexyl)phthalate		92.500	J	76.3	170	220	ug/Kg
Total Svoc :				92.50						
Q2820-06	518R-N	SOIL	Benzoic acid	*	290.000	J	240	430	ug/Kg	
Total Tics :				290.00						
Total Concentration:				382.50						
Client ID : 518R-S										
Q2820-07	518R-S	SOIL	Fluoranthene		310.000		38.1	170	220	ug/Kg
Q2820-07	518R-S	SOIL	Pyrene		300.000		45.7	170	220	ug/Kg
Q2820-07	518R-S	SOIL	Benzo(a)anthracene		180.000	J	29.2	170	220	ug/Kg
Q2820-07	518R-S	SOIL	Chrysene		170.000	J	25.3	170	220	ug/Kg
Q2820-07	518R-S	SOIL	Benzo(b)fluoranthene		240.000		24.1	170	220	ug/Kg
Q2820-07	518R-S	SOIL	Benzo(k)fluoranthene		88.000	J	28.5	170	220	ug/Kg
Q2820-07	518R-S	SOIL	Benzo(a)pyrene		180.000	J	37.5	170	220	ug/Kg
Q2820-07	518R-S	SOIL	Indeno(1,2,3-cd)pyrene		110.000	J	37	170	220	ug/Kg
Q2820-07	518R-S	SOIL	Benzo(g,h,i)perylene		130.000	J	32.7	170	220	ug/Kg
Total Svoc :				1,708.00						
Q2820-07	518R-S	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	210.000	AB	0	0	ug/Kg	
Q2820-07	518R-S	SOIL	Benzophenone	*	180.000	J	0	0	ug/Kg	
Q2820-07	518R-S	SOIL	Butane, 2-methoxy-2-methyl-	*	760.000	J	0	0	ug/Kg	
Q2820-07	518R-S	SOIL	n-Hexadecanoic acid	*	660.000	J	0	0	ug/Kg	
Q2820-07	518R-S	SOIL	Octadecanoic acid	*	150.000	J	0	0	ug/Kg	
Q2820-07	518R-S	SOIL	Pentafluoropropionic acid, pentad	*	220.000	J	0	0	ug/Kg	

Hit Summary Sheet SW-846

SDG No.: Q2820
Client: First Environment, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Total Tics :				2,180.00					
Total Concentration:				3,888.00					
Client ID :	518R-SRE								
Q2820-07RE	518R-SRE	SOIL	Fluoranthene	280.000		38.1	170	220	ug/Kg
Q2820-07RE	518R-SRE	SOIL	Pyrene	280.000		45.7	170	220	ug/Kg
Q2820-07RE	518R-SRE	SOIL	Benzo(a)anthracene	180.000	J	29.2	170	220	ug/Kg
Q2820-07RE	518R-SRE	SOIL	Chrysene	160.000	J	25.3	170	220	ug/Kg
Q2820-07RE	518R-SRE	SOIL	Benzo(b)fluoranthene	240.000		24.1	170	220	ug/Kg
Q2820-07RE	518R-SRE	SOIL	Benzo(a)pyrene	180.000	J	37.5	170	220	ug/Kg
Q2820-07RE	518R-SRE	SOIL	Indeno(1,2,3-cd)pyrene	100.000	J	37	170	220	ug/Kg
Q2820-07RE	518R-SRE	SOIL	Benzo(g,h,i)perylene	130.000	J	32.7	170	220	ug/Kg
Total Svoc :				1,550.00					
Total Concentration:				1,550.00					
Client ID :	518R-W								
Q2820-08	518R-W	SOIL	1-Nonadecene	*	150.000	J	0	0	ug/Kg
Q2820-08	518R-W	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	310.000	AB	0	0	ug/Kg
Q2820-08	518R-W	SOIL	Benzophenone	*	150.000	J	0	0	ug/Kg
Q2820-08	518R-W	SOIL	Butane, 2-methoxy-2-methyl-	*	1,100.000	J	0	0	ug/Kg
Q2820-08	518R-W	SOIL	Heptacosyl acetate	*	400.000	J	0	0	ug/Kg
Q2820-08	518R-W	SOIL	n-Hexadecanoic acid	*	350.000	J	0	0	ug/Kg
Q2820-08	518R-W	SOIL	n-Nonadecanol-1	*	170.000	J	0	0	ug/Kg
Q2820-08	518R-W	SOIL	Benzoic acid	*	270.000	J	210	370	ug/Kg
Total Tics :				2,900.00					
Total Concentration:				2,900.00					
Client ID :	705R-S								
Q2820-09	705R-S	SOIL	1-Hexacosene	*	360.000	J	0	0	ug/Kg
Q2820-09	705R-S	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	310.000	AB	0	0	ug/Kg
Q2820-09	705R-S	SOIL	Benzophenone	*	220.000	J	0	0	ug/Kg
Q2820-09	705R-S	SOIL	Butane, 2-methoxy-2-methyl-	*	1,400.000	J	0	0	ug/Kg
Q2820-09	705R-S	SOIL	n-Hexadecanoic acid	*	330.000	J	0	0	ug/Kg
Total Tics :				2,620.00					
Total Concentration:				2,620.00					
Client ID :	SOIL-DUP-2								
Q2820-10	SOIL-DUP-2	SOIL	1,19-Eicosadiene	*	570.000	J	0	0	ug/Kg
Q2820-10	SOIL-DUP-2	SOIL	1,21-Docosadiene	*	570.000	J	0	0	ug/Kg
Q2820-10	SOIL-DUP-2	SOIL	1-Hexacosene	*	240.000	J	0	0	ug/Kg
Q2820-10	SOIL-DUP-2	SOIL	1-Tetracosene	*	680.000	J	0	0	ug/Kg
Q2820-10	SOIL-DUP-2	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	540.000	AB	0	0	ug/Kg
Q2820-10	SOIL-DUP-2	SOIL	Benzophenone	*	490.000	J	0	0	ug/Kg

Hit Summary Sheet SW-846

SDG No.: Q2820
Client: First Environment, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Q2820-10	SOIL-DUP-2	SOIL	Butane, 2-methoxy-2-methyl-	*	3,200.000	J	0	0	ug/Kg
Q2820-10	SOIL-DUP-2	SOIL	Hexacosanal	*	210.000	J	0	0	ug/Kg
Q2820-10	SOIL-DUP-2	SOIL	n-Hexadecanoic acid	*	1,000.000	J	0	0	ug/Kg
Q2820-10	SOIL-DUP-2	SOIL	Octadecanoic acid	*	590.000	J	0	0	ug/Kg
Total Tics :				8,090.00					
Total Concentration:				8,090.00					
Client ID : 10PC-W									
Q2820-11	10PC-W	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	180.000	AB	0	0	ug/Kg
Q2820-11	10PC-W	SOIL	Benzophenone	*	270.000	J	0	0	ug/Kg
Q2820-11	10PC-W	SOIL	Butane, 2-methoxy-2-methyl-	*	940.000	J	0	0	ug/Kg
Q2820-11	10PC-W	SOIL	n-Hexadecanoic acid	*	200.000	J	0	0	ug/Kg
Q2820-11	10PC-W	SOIL	Pentafluoropropionic acid, octade	*	190.000	J	0	0	ug/Kg
Total Tics :				1,780.00					
Total Concentration:				1,780.00					
Client ID : 10PC-S									
Q2820-12	10PC-S	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	220.000	AB	0	0	ug/Kg
Q2820-12	10PC-S	SOIL	Benzophenone	*	240.000	J	0	0	ug/Kg
Q2820-12	10PC-S	SOIL	Butane, 2-methoxy-2-methyl-	*	1,300.000	J	0	0	ug/Kg
Q2820-12	10PC-S	SOIL	Heneicosane	*	79.600	J	0	0	ug/Kg
Total Tics :				1,839.60					
Total Concentration:				1,839.60					
Client ID : 10P-W									
Q2820-13	10P-W	SOIL	1-Octadecene	*	310.000	J	0	0	ug/Kg
Q2820-13	10P-W	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	230.000	AB	0	0	ug/Kg
Q2820-13	10P-W	SOIL	9-Methylheneicosane	*	82.500	J	0	0	ug/Kg
Q2820-13	10P-W	SOIL	Benzophenone	*	320.000	J	0	0	ug/Kg
Q2820-13	10P-W	SOIL	Butane, 2-methoxy-2-methyl-	*	1,100.000	J	0	0	ug/Kg
Q2820-13	10P-W	SOIL	Cyclotetracosane	*	200.000	J	0	0	ug/Kg
Q2820-13	10P-W	SOIL	Heptadecane	*	82.200	J	0	0	ug/Kg
Q2820-13	10P-W	SOIL	Hexadecanoic acid, 2-methylpropy	*	160.000	J	0	0	ug/Kg
Q2820-13	10P-W	SOIL	Hexadecanoic acid, butyl ester	*	260.000	J	0	0	ug/Kg
Q2820-13	10P-W	SOIL	n-Hexadecanoic acid	*	270.000	J	0	0	ug/Kg
Q2820-13	10P-W	SOIL	Octadecanoic acid	*	86.900	J	0	0	ug/Kg
Q2820-13	10P-W	SOIL	Octadecanoic acid, 2-methylpropy	*	88.400	J	0	0	ug/Kg
Q2820-13	10P-W	SOIL	Octadecanoic acid, butyl ester	*	210.000	J	0	0	ug/Kg
Total Tics :				3,400.00					
Total Concentration:				3,400.00					
Client ID : 10P-E									
Q2820-14	10P-E	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	210.000	AB	0	0	ug/Kg

Hit Summary Sheet SW-846

SDG No.: Q2820
Client: First Environment, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Q2820-14	10P-E	SOIL	Benzophenone	*	290.000	J	0	0	ug/Kg
Q2820-14	10P-E	SOIL	Butane, 2-methoxy-2-methyl-	*	1,200.000	J	0	0	ug/Kg
Q2820-14	10P-E	SOIL	Heptafluorobutyric acid, hexadecy	*	190.000	J	0	0	ug/Kg
Q2820-14	10P-E	SOIL	n-Hexadecanoic acid	*	210.000	J	0	0	ug/Kg
Total Tics :					2,100.00				
Total Concentration:					2,100.00				

Client ID : 10P-S

Q2820-15	10P-S	SOIL	Butane, 2-methoxy-2-methyl-	*	440.000	J	0	0	ug/Kg
Q2820-15	10P-S	SOIL	cis-Vaccenic acid	*	4,200.000	J	0	0	ug/Kg
Q2820-15	10P-S	SOIL	Decane, 2-methyl-	*	650.000	J	0	0	ug/Kg
Q2820-15	10P-S	SOIL	Decane, 3,7-dimethyl-	*	470.000	J	0	0	ug/Kg
Q2820-15	10P-S	SOIL	Decane, 3-methyl-	*	790.000	J	0	0	ug/Kg
Q2820-15	10P-S	SOIL	Decane, 4-methyl-	*	490.000	J	0	0	ug/Kg
Q2820-15	10P-S	SOIL	Decane, 5-methyl-	*	600.000	J	0	0	ug/Kg
Q2820-15	10P-S	SOIL	Dehydroabietic acid	*	570.000	J	0	0	ug/Kg
Q2820-15	10P-S	SOIL	Dodecane, 2,6,11-trimethyl-	*	450.000	J	0	0	ug/Kg
Q2820-15	10P-S	SOIL	n-Hexadecanoic acid	*	1,100.000	J	0	0	ug/Kg
Q2820-15	10P-S	SOIL	Nonane, 2,5-dimethyl-	*	600.000	J	0	0	ug/Kg
Q2820-15	10P-S	SOIL	Nonane, 3,7-dimethyl-	*	440.000	J	0	0	ug/Kg
Q2820-15	10P-S	SOIL	Octadecanoic acid	*	1,300.000	J	0	0	ug/Kg
Q2820-15	10P-S	SOIL	Sulfurous acid, cyclohexylmethyl	*	420.000	J	0	0	ug/Kg
Q2820-15	10P-S	SOIL	Undecane	*	1,800.000	J	0	0	ug/Kg
Q2820-15	10P-S	SOIL	Undecane, 2,6-dimethyl-	*	530.000	J	0	0	ug/Kg
Q2820-15	10P-S	SOIL	Undecane, 2-methyl-	*	540.000	J	0	0	ug/Kg
Q2820-15	10P-S	SOIL	Undecane, 4-methyl-	*	390.000	J	0	0	ug/Kg
Q2820-15	10P-S	SOIL	Undecane, 5-methyl-	*	490.000	J	0	0	ug/Kg
Q2820-15	10P-S	SOIL	unknown9.137	*	550.000	J	0	0	ug/Kg
Total Tics :					16,820.00				
Total Concentration:					16,820.00				

Client ID : 10P-N

Q2820-16	10P-N	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	180.000	AB	0	0	ug/Kg
Q2820-16	10P-N	SOIL	Benzophenone	*	230.000	J	0	0	ug/Kg
Q2820-16	10P-N	SOIL	Butane, 2-methoxy-2-methyl-	*	980.000	J	0	0	ug/Kg
Q2820-16	10P-N	SOIL	Cyclohexadecane	*	90.000	J	0	0	ug/Kg
Q2820-16	10P-N	SOIL	n-Hexadecanoic acid	*	190.000	J	0	0	ug/Kg
Total Tics :					1,670.00				
Total Concentration:					1,670.00				

Client ID : 88H-E

Q2820-17	88H-E	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	260.000	AB	0	0	ug/Kg
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Hit Summary Sheet SW-846

SDG No.: Q2820
Client: First Environment, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Q2820-17	88H-E	SOIL	5-Eicosene, (E)-	*	170.000	J	0	0	ug/Kg
Q2820-17	88H-E	SOIL	Benzophenone	*	260.000	J	0	0	ug/Kg
Q2820-17	88H-E	SOIL	Butane, 2-methoxy-2-methyl-	*	1,400.000	J	0	0	ug/Kg
Q2820-17	88H-E	SOIL	n-Hexadecanoic acid	*	180.000	J	0	0	ug/Kg
Total Tics :					2,270.00				
Total Concentration:					2,270.00				
Client ID : 88H-N									
Q2820-18	88H-N	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	200.000	AB	0	0	ug/Kg
Q2820-18	88H-N	SOIL	Benzophenone	*	270.000	J	0	0	ug/Kg
Q2820-18	88H-N	SOIL	Butane, 2-methoxy-2-methyl-	*	1,300.000	J	0	0	ug/Kg
Q2820-18	88H-N	SOIL	n-Hexadecanoic acid	*	150.000	J	0	0	ug/Kg
Q2820-18	88H-N	SOIL	Pentadecafluorooctanoic acid, hex	*	150.000	J	0	0	ug/Kg
Total Tics :					2,070.00				
Total Concentration:					2,070.00				
Client ID : 88H-W									
Q2820-19	88H-W	SOIL	1-Tetracosene	*	140.000	J	0	0	ug/Kg
Q2820-19	88H-W	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	180.000	AB	0	0	ug/Kg
Q2820-19	88H-W	SOIL	Benzophenone	*	210.000	J	0	0	ug/Kg
Q2820-19	88H-W	SOIL	Butane, 2-methoxy-2-methyl-	*	990.000	J	0	0	ug/Kg
Q2820-19	88H-W	SOIL	n-Hexadecanoic acid	*	96.800	J	0	0	ug/Kg
Total Tics :					1,616.80				
Total Concentration:					1,616.80				
Client ID : 88H-S									
Q2820-20	88H-S	SOIL	17-Pentatriacontene	*	120.000	J	0	0	ug/Kg
Q2820-20	88H-S	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	130.000	AB	0	0	ug/Kg
Q2820-20	88H-S	SOIL	Benzophenone	*	190.000	J	0	0	ug/Kg
Q2820-20	88H-S	SOIL	Butane, 2-methoxy-2-methyl-	*	770.000	J	0	0	ug/Kg
Q2820-20	88H-S	SOIL	n-Hexadecanoic acid	*	96.800	J	0	0	ug/Kg
Total Tics :					1,306.80				
Total Concentration:					1,306.80				
Client ID : 22M-N									
Q2820-21	22M-N	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	150.000	AB	0	0	ug/Kg
Q2820-21	22M-N	SOIL	Benzophenone	*	190.000	J	0	0	ug/Kg
Q2820-21	22M-N	SOIL	Butane, 2-methoxy-2-methyl-	*	910.000	J	0	0	ug/Kg
Q2820-21	22M-N	SOIL	n-Hexadecanoic acid	*	99.300	J	0	0	ug/Kg
Q2820-21	22M-N	SOIL	Pentadecafluorooctanoic acid, oct:	*	120.000	J	0	0	ug/Kg
Total Tics :					1,469.30				
Total Concentration:					1,469.30				

Hit Summary Sheet SW-846

SDG No.: Q2820
Client: First Environment, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units	
Client ID : 22M-W										
Q2820-22	22M-W	SOIL	1-Hexacosene	*	360.000	J	0	0	ug/Kg	
Q2820-22	22M-W	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	290.000	AB	0	0	ug/Kg	
Q2820-22	22M-W	SOIL	Benzophenone	*	410.000	J	0	0	ug/Kg	
Q2820-22	22M-W	SOIL	Butane, 2-methoxy-2-methyl-	*	2,000.000	J	0	0	ug/Kg	
Q2820-22	22M-W	SOIL	n-Hexadecanoic acid	*	210.000	J	0	0	ug/Kg	
Total Tics :				3,270.00						
Total Concentration:				3,270.00						
Client ID : 22M-E										
Q2820-23	22M-E	SOIL	1-Heneicosyl formate	*	770.000	J	0	0	ug/Kg	
Q2820-23	22M-E	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	470.000	AB	0	0	ug/Kg	
Q2820-23	22M-E	SOIL	Benzophenone	*	710.000	J	0	0	ug/Kg	
Q2820-23	22M-E	SOIL	Butane, 2-methoxy-2-methyl-	*	3,000.000	J	0	0	ug/Kg	
Q2820-23	22M-E	SOIL	Docosane	*	200.000	J	0	0	ug/Kg	
Q2820-23	22M-E	SOIL	Hexadecanoic acid, 2-methylpropyl	*	440.000	JB	0	0	ug/Kg	
Q2820-23	22M-E	SOIL	Hexadecanoic acid, butyl ester	*	560.000	JB	0	0	ug/Kg	
Q2820-23	22M-E	SOIL	n-Hexadecanoic acid	*	640.000	J	0	0	ug/Kg	
Q2820-23	22M-E	SOIL	Octadecane	*	300.000	J	0	0	ug/Kg	
Q2820-23	22M-E	SOIL	Octadecanoic acid, 2-methylpropyl	*	230.000	J	0	0	ug/Kg	
Q2820-23	22M-E	SOIL	Octadecanoic acid, butyl ester	*	460.000	JB	0	0	ug/Kg	
Total Tics :				7,780.00						
Total Concentration:				7,780.00						
Client ID : 22M-S										
Q2820-24	22M-S	SOIL	Pyrene		110.000	J	40.4	150	190	ug/Kg
Total Svoc :				110.00						
Q2820-24	22M-S	SOIL	7-Hexadecene, (Z)-	*	750.000	J	0	0	ug/Kg	
Q2820-24	22M-S	SOIL	Butane, 2-methoxy-2-methyl-	*	620.000	J	0	0	ug/Kg	
Q2820-24	22M-S	SOIL	Carbonic acid, decyl prop-1-en-2-	*	530.000	J	0	0	ug/Kg	
Q2820-24	22M-S	SOIL	Decane, 2,6,7-trimethyl-	*	1,700.000	J	0	0	ug/Kg	
Q2820-24	22M-S	SOIL	Decane, 2-methyl-	*	3,600.000	J	0	0	ug/Kg	
Q2820-24	22M-S	SOIL	Heptadecane	*	3,200.000	J	0	0	ug/Kg	
Q2820-24	22M-S	SOIL	Heptadecane, 4-methyl-	*	1,500.000	J	0	0	ug/Kg	
Q2820-24	22M-S	SOIL	Methoxyacetic acid, 2-tetradecyl ester	*	2,800.000	J	0	0	ug/Kg	
Q2820-24	22M-S	SOIL	Naphthalene, 2,3,6-trimethyl-	*	950.000	J	0	0	ug/Kg	
Q2820-24	22M-S	SOIL	Phenanthrene, 2,5-dimethyl-	*	550.000	J	0	0	ug/Kg	
Q2820-24	22M-S	SOIL	Phenanthrene, 3,6-dimethyl-	*	750.000	J	0	0	ug/Kg	
Q2820-24	22M-S	SOIL	Sulfurous acid, pentyl undecyl ester	*	5,900.000	J	0	0	ug/Kg	
Q2820-24	22M-S	SOIL	Tetratetracontane	*	520.000	J	0	0	ug/Kg	
Q2820-24	22M-S	SOIL	Tridecane	*	480.000	J	0	0	ug/Kg	
Q2820-24	22M-S	SOIL	Tridecane, 2-methyl-	*	660.000	J	0	0	ug/Kg	

Hit Summary Sheet SW-846

SDG No.: Q2820
Client: First Environment, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Q2820-24	22M-S	SOIL	Tridecane, 3-methyl-	*	920.000	J	0	0	ug/Kg
Q2820-24	22M-S	SOIL	Tridecane, 4-methyl-	*	5,500.000	J	0	0	ug/Kg
Q2820-24	22M-S	SOIL	Undecane, 2,6-dimethyl-	*	630.000	J	0	0	ug/Kg
Q2820-24	22M-S	SOIL	unknown8.504	*	670.000	J	0	0	ug/Kg
Q2820-24	22M-S	SOIL	unknown9.375	*	3,900.000	J	0	0	ug/Kg
Total Tics :					36,130.00				
Total Concentration:					36,240.00				



SAMPLE DATA

A

B

C

D

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/06/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	82H-S	SDG No.:	Q2820
Lab Sample ID:	Q2820-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	82.5
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
BP025386.D	1	08/12/25 09:15	08/13/25 16:09	PB169210

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
100-52-7	Benzaldehyde	330	U	190	330	400	ug/Kg
108-95-2	Phenol	160	U	26.8	160	210	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	160	U	29.4	160	210	ug/Kg
95-57-8	2-Chlorophenol	160	U	29.6	160	210	ug/Kg
95-48-7	2-Methylphenol	160	U	36.2	160	210	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	160	U	45.4	160	210	ug/Kg
98-86-2	Acetophenone	160	U	35.7	160	210	ug/Kg
65794-96-9	3+4-Methylphenols	330	U	49.8	330	400	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	96.9	U	57.4	96.9	96.9	ug/Kg
67-72-1	Hexachloroethane	160	U	21.3	160	210	ug/Kg
98-95-3	Nitrobenzene	160	U	22.2	160	210	ug/Kg
78-59-1	Isophorone	160	U	39.7	160	210	ug/Kg
88-75-5	2-Nitrophenol	160	U	70.5	160	210	ug/Kg
105-67-9	2,4-Dimethylphenol	160	U	78.5	160	210	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	160	U	37.3	160	210	ug/Kg
120-83-2	2,4-Dichlorophenol	160	U	34.3	160	210	ug/Kg
91-20-3	Naphthalene	160	U	27.5	160	210	ug/Kg
106-47-8	4-Chloroaniline	160	U	42.9	160	210	ug/Kg
87-68-3	Hexachlorobutadiene	160	U	30.7	160	210	ug/Kg
105-60-2	Caprolactam	330	U	63.1	330	400	ug/Kg
59-50-7	4-Chloro-3-methylphenol	160	U	34.8	160	210	ug/Kg
91-57-6	2-Methylnaphthalene	160	U	31.0	160	210	ug/Kg
77-47-4	Hexachlorocyclopentadiene	330	U	140	330	400	ug/Kg
88-06-2	2,4,6-Trichlorophenol	160	U	24.0	160	210	ug/Kg
95-95-4	2,4,5-Trichlorophenol	160	U	35.3	160	210	ug/Kg
92-52-4	1,1-Biphenyl	160	U	26.4	160	210	ug/Kg
91-58-7	2-Chloronaphthalene	160	U	27.3	160	210	ug/Kg
88-74-4	2-Nitroaniline	160	U	58.3	160	210	ug/Kg
131-11-3	Dimethylphthalate	160	U	32.8	160	210	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/06/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	82H-S	SDG No.:	Q2820
Lab Sample ID:	Q2820-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	82.5
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
BP025386.D	1	08/12/25 09:15	08/13/25 16:09	PB169210

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	160	U	35.0	160	210	ug/Kg
606-20-2	2,6-Dinitrotoluene	160	U	40.7	160	210	ug/Kg
99-09-2	3-Nitroaniline	160	U	55.7	160	210	ug/Kg
83-32-9	Acenaphthene	160	U	25.8	160	210	ug/Kg
51-28-5	2,4-Dinitrophenol	330	U	280	330	400	ug/Kg
100-02-7	4-Nitrophenol	330	U	130	330	400	ug/Kg
132-64-9	Dibenzofuran	160	U	27.5	160	210	ug/Kg
121-14-2	2,4-Dinitrotoluene	160	U	60.7	160	210	ug/Kg
84-66-2	Diethylphthalate	160	U	34.3	160	210	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	160	U	32.4	160	210	ug/Kg
86-73-7	Fluorene	160	U	30.7	160	210	ug/Kg
100-01-6	4-Nitroaniline	160	U	77.8	160	210	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	330	U	120	330	400	ug/Kg
86-30-6	n-Nitrosodiphenylamine	160	U	39.9	160	210	ug/Kg
101-55-3	4-Bromophenyl-phenylether	160	U	33.7	160	210	ug/Kg
118-74-1	Hexachlorobenzene	160	U	30.7	160	210	ug/Kg
1912-24-9	Atrazine	160	U	41.2	160	210	ug/Kg
87-86-5	Pentachlorophenol	330	U	62.2	330	400	ug/Kg
85-01-8	Phenanthrene	160	U	25.3	160	210	ug/Kg
120-12-7	Anthracene	160	U	40.4	160	210	ug/Kg
86-74-8	Carbazole	160	U	37.8	160	210	ug/Kg
84-74-2	Di-n-butylphthalate	160	U	58.0	160	210	ug/Kg
206-44-0	Fluoranthene	160	U	36.4	160	210	ug/Kg
129-00-0	Pyrene	160	U	43.6	160	210	ug/Kg
85-68-7	Butylbenzylphthalate	160	U	86.5	160	210	ug/Kg
91-94-1	3,3-Dichlorobenzidine	330	U	44.5	330	400	ug/Kg
56-55-3	Benzo(a)anthracene	160	U	27.9	160	210	ug/Kg
218-01-9	Chrysene	160	U	24.1	160	210	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	160	U	71.7	160	210	ug/Kg
117-84-0	Di-n-octyl phthalate	330	U	110	330	400	ug/Kg
205-99-2	Benzo(b)fluoranthene	160	U	23.0	160	210	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/06/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	82H-S	SDG No.:	Q2820
Lab Sample ID:	Q2820-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	82.5
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
BP025386.D	1	08/12/25 09:15	08/13/25 16:09	PB169210

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	160	U	27.1	160	210	ug/Kg
50-32-8	Benzo(a)pyrene	160	U	35.7	160	210	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	160	U	35.3	160	210	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	160	U	33.2	160	210	ug/Kg
191-24-2	Benzo(g,h,i)perylene	160	U	31.1	160	210	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	160	U	31.0	160	210	ug/Kg
123-91-1	1,4-Dioxane	160	U	54.8	160	210	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	160	U	33.2	160	210	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	67.2		35 - 115		45%	SPK: 150
13127-88-3	Phenol-d6	62.0		34 - 127		41%	SPK: 150
4165-60-0	Nitrobenzene-d5	46.7		37 - 122		47%	SPK: 100
321-60-8	2-Fluorobiphenyl	42.7	*	44 - 115		43%	SPK: 100
118-79-6	2,4,6-Tribromophenol	89.8		39 - 132		60%	SPK: 150
1718-51-0	Terphenyl-d14	41.9	*	54 - 127		42%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	189000	7.796
1146-65-2	Naphthalene-d8	738000	10.566
15067-26-2	Acenaphthene-d10	464000	14.425
1517-22-2	Phenanthrene-d10	911000	17.225
1719-03-5	Chrysene-d12	1040000	21.677
1520-96-3	Perylene-d12	1180000	25.06

TENTATIVE IDENTIFIED COMPOUNDS

000994-05-8	Butane, 2-methoxy-2-methyl-	800	J		3.04	ug/Kg
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	180	AB		4.95	ug/Kg
000119-61-9	Benzophenone	180	J		15.8	ug/Kg
000057-10-3	n-Hexadecanoic acid	350	J		18.2	ug/Kg
027519-02-4	9-Tricosene, (Z)-	220	J		21.3	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/06/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	82H-S	SDG No.:	Q2820
Lab Sample ID:	Q2820-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	82.5
Sample Wt/Vol:	30.01	Units:	g
Soil Aliquot Vol:			uL
Extraction Type :		Decanted :	N
Injection Volume :		GPC Factor :	1.0
Prep Method :	SW3541	Level :	LOW
		Final Vol:	1000 uL
		Test:	SVOC-TCL BNA -20
		GPC Cleanup :	N
		PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025386.D	1	08/12/25 09:15	08/13/25 16:09	PB169210

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

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/06/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	82H-SRE	SDG No.:	Q2820
Lab Sample ID:	Q2820-01RE	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	82.5
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
BP025433.D	1	08/12/25 09:15	08/15/25 18:58	PB169210

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
100-52-7	Benzaldehyde	330	U	190	330	400	ug/Kg
108-95-2	Phenol	160	U	26.8	160	210	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	160	U	29.4	160	210	ug/Kg
95-57-8	2-Chlorophenol	160	U	29.6	160	210	ug/Kg
95-48-7	2-Methylphenol	160	U	36.2	160	210	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	160	U	45.4	160	210	ug/Kg
98-86-2	Acetophenone	160	U	35.7	160	210	ug/Kg
65794-96-9	3+4-Methylphenols	330	U	49.8	330	400	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	96.9	U	57.4	96.9	96.9	ug/Kg
67-72-1	Hexachloroethane	160	U	21.3	160	210	ug/Kg
98-95-3	Nitrobenzene	160	U	22.2	160	210	ug/Kg
78-59-1	Isophorone	160	U	39.7	160	210	ug/Kg
88-75-5	2-Nitrophenol	160	U	70.5	160	210	ug/Kg
105-67-9	2,4-Dimethylphenol	160	U	78.5	160	210	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	160	U	37.3	160	210	ug/Kg
120-83-2	2,4-Dichlorophenol	160	U	34.3	160	210	ug/Kg
91-20-3	Naphthalene	160	U	27.5	160	210	ug/Kg
106-47-8	4-Chloroaniline	160	U	42.9	160	210	ug/Kg
87-68-3	Hexachlorobutadiene	160	U	30.7	160	210	ug/Kg
105-60-2	Caprolactam	330	U	63.1	330	400	ug/Kg
59-50-7	4-Chloro-3-methylphenol	160	U	34.8	160	210	ug/Kg
91-57-6	2-Methylnaphthalene	160	U	31.0	160	210	ug/Kg
77-47-4	Hexachlorocyclopentadiene	330	U	140	330	400	ug/Kg
88-06-2	2,4,6-Trichlorophenol	160	U	24.0	160	210	ug/Kg
95-95-4	2,4,5-Trichlorophenol	160	U	35.3	160	210	ug/Kg
92-52-4	1,1-Biphenyl	160	U	26.4	160	210	ug/Kg
91-58-7	2-Chloronaphthalene	160	U	27.3	160	210	ug/Kg
88-74-4	2-Nitroaniline	160	U	58.3	160	210	ug/Kg
131-11-3	Dimethylphthalate	160	U	32.8	160	210	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/06/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	82H-SRE	SDG No.:	Q2820
Lab Sample ID:	Q2820-01RE	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	82.5
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
BP025433.D	1	08/12/25 09:15	08/15/25 18:58	PB169210

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	160	U	35.0	160	210	ug/Kg
606-20-2	2,6-Dinitrotoluene	160	U	40.7	160	210	ug/Kg
99-09-2	3-Nitroaniline	160	U	55.7	160	210	ug/Kg
83-32-9	Acenaphthene	160	U	25.8	160	210	ug/Kg
51-28-5	2,4-Dinitrophenol	330	U	280	330	400	ug/Kg
100-02-7	4-Nitrophenol	330	U	130	330	400	ug/Kg
132-64-9	Dibenzofuran	160	U	27.5	160	210	ug/Kg
121-14-2	2,4-Dinitrotoluene	160	U	60.7	160	210	ug/Kg
84-66-2	Diethylphthalate	160	U	34.3	160	210	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	160	U	32.4	160	210	ug/Kg
86-73-7	Fluorene	160	U	30.7	160	210	ug/Kg
100-01-6	4-Nitroaniline	160	U	77.8	160	210	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	330	U	120	330	400	ug/Kg
86-30-6	n-Nitrosodiphenylamine	160	U	39.9	160	210	ug/Kg
101-55-3	4-Bromophenyl-phenylether	160	U	33.7	160	210	ug/Kg
118-74-1	Hexachlorobenzene	160	U	30.7	160	210	ug/Kg
1912-24-9	Atrazine	160	U	41.2	160	210	ug/Kg
87-86-5	Pentachlorophenol	330	U	62.2	330	400	ug/Kg
85-01-8	Phenanthrene	160	U	25.3	160	210	ug/Kg
120-12-7	Anthracene	160	U	40.4	160	210	ug/Kg
86-74-8	Carbazole	160	U	37.8	160	210	ug/Kg
84-74-2	Di-n-butylphthalate	160	U	58.0	160	210	ug/Kg
206-44-0	Fluoranthene	160	U	36.4	160	210	ug/Kg
129-00-0	Pyrene	160	U	43.6	160	210	ug/Kg
85-68-7	Butylbenzylphthalate	160	U	86.5	160	210	ug/Kg
91-94-1	3,3-Dichlorobenzidine	330	U	44.5	330	400	ug/Kg
56-55-3	Benzo(a)anthracene	160	U	27.9	160	210	ug/Kg
218-01-9	Chrysene	160	U	24.1	160	210	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	160	U	71.7	160	210	ug/Kg
117-84-0	Di-n-octyl phthalate	330	U	110	330	400	ug/Kg
205-99-2	Benzo(b)fluoranthene	160	U	23.0	160	210	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/06/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	82H-SRE	SDG No.:	Q2820
Lab Sample ID:	Q2820-01RE	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	82.5
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
BP025433.D	1	08/12/25 09:15	08/15/25 18:58	PB169210

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	160	U	27.1	160	210	ug/Kg
50-32-8	Benzo(a)pyrene	160	U	35.7	160	210	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	160	U	35.3	160	210	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	160	U	33.2	160	210	ug/Kg
191-24-2	Benzo(g,h,i)perylene	160	U	31.1	160	210	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	160	U	31.0	160	210	ug/Kg
123-91-1	1,4-Dioxane	160	U	54.8	160	210	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	160	U	33.2	160	210	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	71.8		35 - 115		48%	SPK: 150
13127-88-3	Phenol-d6	74.4		34 - 127		50%	SPK: 150
4165-60-0	Nitrobenzene-d5	44.1		37 - 122		44%	SPK: 100
321-60-8	2-Fluorobiphenyl	41.8	*	44 - 115		42%	SPK: 100
118-79-6	2,4,6-Tribromophenol	68.7		39 - 132		46%	SPK: 150
1718-51-0	Terphenyl-d14	42.1	*	54 - 127		42%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	177000	7.79
1146-65-2	Naphthalene-d8	742000	10.555
15067-26-2	Acenaphthene-d10	489000	14.401
1517-22-2	Phenanthrene-d10	940000	17.201
1719-03-5	Chrysene-d12	937000	21.63
1520-96-3	Perylene-d12	1070000	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

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/06/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	82H-W	SDG No.:	Q2820
Lab Sample ID:	Q2820-02	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	83.5
Sample Wt/Vol:	30.05 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
BP025380.D	1	08/12/25 09:15	08/13/25 11:59	PB169210

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
100-52-7	Benzaldehyde	320	U	190	320	390	ug/Kg
108-95-2	Phenol	160	U	26.4	160	200	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	160	U	29.1	160	200	ug/Kg
95-57-8	2-Chlorophenol	160	U	29.2	160	200	ug/Kg
95-48-7	2-Methylphenol	160	U	35.7	160	200	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	160	U	44.8	160	200	ug/Kg
98-86-2	Acetophenone	160	U	35.3	160	200	ug/Kg
65794-96-9	3+4-Methylphenols	320	U	49.1	320	390	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	95.6	U	56.7	95.6	95.6	ug/Kg
67-72-1	Hexachloroethane	160	U	21.0	160	200	ug/Kg
98-95-3	Nitrobenzene	160	U	21.9	160	200	ug/Kg
78-59-1	Isophorone	160	U	39.2	160	200	ug/Kg
88-75-5	2-Nitrophenol	160	U	69.6	160	200	ug/Kg
105-67-9	2,4-Dimethylphenol	160	U	77.5	160	200	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	160	U	36.8	160	200	ug/Kg
120-83-2	2,4-Dichlorophenol	160	U	33.8	160	200	ug/Kg
91-20-3	Naphthalene	160	U	27.1	160	200	ug/Kg
106-47-8	4-Chloroaniline	160	U	42.3	160	200	ug/Kg
87-68-3	Hexachlorobutadiene	160	U	30.2	160	200	ug/Kg
105-60-2	Caprolactam	320	U	62.3	320	390	ug/Kg
59-50-7	4-Chloro-3-methylphenol	160	U	34.3	160	200	ug/Kg
91-57-6	2-Methylnaphthalene	160	U	30.6	160	200	ug/Kg
77-47-4	Hexachlorocyclopentadiene	320	U	140	320	390	ug/Kg
88-06-2	2,4,6-Trichlorophenol	160	U	23.7	160	200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	160	U	34.8	160	200	ug/Kg
92-52-4	1,1-Biphenyl	160	U	26.1	160	200	ug/Kg
91-58-7	2-Chloronaphthalene	160	U	26.9	160	200	ug/Kg
88-74-4	2-Nitroaniline	160	U	57.5	160	200	ug/Kg
131-11-3	Dimethylphthalate	160	U	32.4	160	200	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/06/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	82H-W	SDG No.:	Q2820
Lab Sample ID:	Q2820-02	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	83.5
Sample Wt/Vol:	30.05 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
BP025380.D	1	08/12/25 09:15	08/13/25 11:59	PB169210

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	160	U	34.6	160	200	ug/Kg
606-20-2	2,6-Dinitrotoluene	160	U	40.2	160	200	ug/Kg
99-09-2	3-Nitroaniline	160	U	55.0	160	200	ug/Kg
83-32-9	Acenaphthene	160	U	25.5	160	200	ug/Kg
51-28-5	2,4-Dinitrophenol	320	U	270	320	390	ug/Kg
100-02-7	4-Nitrophenol	320	U	130	320	390	ug/Kg
132-64-9	Dibenzofuran	160	U	27.1	160	200	ug/Kg
121-14-2	2,4-Dinitrotoluene	160	U	59.9	160	200	ug/Kg
84-66-2	Diethylphthalate	160	U	33.8	160	200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	160	U	31.9	160	200	ug/Kg
86-73-7	Fluorene	160	U	30.2	160	200	ug/Kg
100-01-6	4-Nitroaniline	160	U	76.8	160	200	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	320	U	120	320	390	ug/Kg
86-30-6	n-Nitrosodiphenylamine	160	U	39.3	160	200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	160	U	33.2	160	200	ug/Kg
118-74-1	Hexachlorobenzene	160	U	30.2	160	200	ug/Kg
1912-24-9	Atrazine	160	U	40.7	160	200	ug/Kg
87-86-5	Pentachlorophenol	320	U	61.3	320	390	ug/Kg
85-01-8	Phenanthrene	160	U	25.0	160	200	ug/Kg
120-12-7	Anthracene	160	U	39.8	160	200	ug/Kg
86-74-8	Carbazole	160	U	37.3	160	200	ug/Kg
84-74-2	Di-n-butylphthalate	160	U	57.3	160	200	ug/Kg
206-44-0	Fluoranthene	160	U	35.9	160	200	ug/Kg
129-00-0	Pyrene	160	U	43.0	160	200	ug/Kg
85-68-7	Butylbenzylphthalate	160	U	85.4	160	200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	320	U	43.9	320	390	ug/Kg
56-55-3	Benzo(a)anthracene	160	U	27.5	160	200	ug/Kg
218-01-9	Chrysene	160	U	23.8	160	200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	160	U	70.8	160	200	ug/Kg
117-84-0	Di-n-octyl phthalate	320	U	100	320	390	ug/Kg
205-99-2	Benzo(b)fluoranthene	160	U	22.7	160	200	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/06/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	82H-W	SDG No.:	Q2820
Lab Sample ID:	Q2820-02	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	83.5
Sample Wt/Vol:	30.05 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
BP025380.D	1	08/12/25 09:15	08/13/25 11:59	PB169210

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	160	U	26.8	160	200	ug/Kg
50-32-8	Benzo(a)pyrene	160	U	35.3	160	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	160	U	34.8	160	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	160	U	32.8	160	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	160	U	30.7	160	200	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	160	U	30.6	160	200	ug/Kg
123-91-1	1,4-Dioxane	160	U	54.0	160	200	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	160	U	32.8	160	200	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	77.3		35 - 115		52%	SPK: 150
13127-88-3	Phenol-d6	72.6		34 - 127		48%	SPK: 150
4165-60-0	Nitrobenzene-d5	52.5		37 - 122		52%	SPK: 100
321-60-8	2-Fluorobiphenyl	45.8		44 - 115		46%	SPK: 100
118-79-6	2,4,6-Tribromophenol	106		39 - 132		70%	SPK: 150
1718-51-0	Terphenyl-d14	45.5	*	54 - 127		46%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	172000	7.802
1146-65-2	Naphthalene-d8	681000	10.572
15067-26-2	Acenaphthene-d10	418000	14.419
1517-22-2	Phenanthrene-d10	829000	17.225
1719-03-5	Chrysene-d12	902000	21.677
1520-96-3	Perylene-d12	1040000	25.071

TENTATIVE IDENTIFIED COMPOUNDS

000994-05-8	Butane, 2-methoxy-2-methyl-	890	J		3.04	ug/Kg
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	200	AB		4.95	ug/Kg
000119-61-9	Benzophenone	190	J		15.8	ug/Kg
	unknown16.354	120	J		16.4	ug/Kg
	unknown16.619	110	J		16.6	ug/Kg
000057-10-3	n-Hexadecanoic acid	920	J		18.2	ug/Kg
087345-53-7	3,5-Dimethoxy-4-hydroxycinnamaldehyde	82.9	J		18.4	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/06/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	82H-W	SDG No.:	Q2820
Lab Sample ID:	Q2820-02	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	83.5
Sample Wt/Vol:	30.05	Units:	g
Soil Aliquot Vol:			uL
Extraction Type :		Decanted :	N
Injection Volume :		GPC Factor :	1.0
Prep Method :	SW3541	Level :	LOW
		Final Vol:	1000 uL
		Test:	SVOC-TCL BNA -20
		GPC Cleanup :	N
		PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025380.D	1	08/12/25 09:15	08/13/25 11:59	PB169210

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
020675-96-1	trans-Sinapyl alcohol	170	J			18.5	ug/Kg
000057-11-4	Octadecanoic acid	230	J			19.5	ug/Kg
018835-33-1	1-Hexacosene	220	J			21.4	ug/Kg

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

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/06/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	82H-N	SDG No.:	Q2820
Lab Sample ID:	Q2820-03	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	87.4
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
BP025387.D	1	08/12/25 09:15	08/13/25 16:50	PB169210

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
100-52-7	Benzaldehyde	310	U	180	310	380	ug/Kg
108-95-2	Phenol	150	U	25.3	150	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	150	U	27.8	150	190	ug/Kg
95-57-8	2-Chlorophenol	150	U	27.9	150	190	ug/Kg
95-48-7	2-Methylphenol	150	U	34.2	150	190	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	150	U	42.9	150	190	ug/Kg
98-86-2	Acetophenone	150	U	33.7	150	190	ug/Kg
65794-96-9	3+4-Methylphenols	310	U	47.0	310	380	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	91.4	U	54.2	91.4	91.4	ug/Kg
67-72-1	Hexachloroethane	150	U	20.1	150	190	ug/Kg
98-95-3	Nitrobenzene	150	U	20.9	150	190	ug/Kg
78-59-1	Isophorone	150	U	37.5	150	190	ug/Kg
88-75-5	2-Nitrophenol	150	U	66.5	150	190	ug/Kg
105-67-9	2,4-Dimethylphenol	150	U	74.1	150	190	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	150	U	35.2	150	190	ug/Kg
120-83-2	2,4-Dichlorophenol	150	U	32.3	150	190	ug/Kg
91-20-3	Naphthalene	150	U	25.9	150	190	ug/Kg
106-47-8	4-Chloroaniline	150	U	40.5	150	190	ug/Kg
87-68-3	Hexachlorobutadiene	150	U	28.9	150	190	ug/Kg
105-60-2	Caprolactam	310	U	59.6	310	380	ug/Kg
59-50-7	4-Chloro-3-methylphenol	150	U	32.8	150	190	ug/Kg
91-57-6	2-Methylnaphthalene	150	U	29.3	150	190	ug/Kg
77-47-4	Hexachlorocyclopentadiene	310	U	130	310	380	ug/Kg
88-06-2	2,4,6-Trichlorophenol	150	U	22.6	150	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	150	U	33.3	150	190	ug/Kg
92-52-4	1,1-Biphenyl	150	U	24.9	150	190	ug/Kg
91-58-7	2-Chloronaphthalene	150	U	25.7	150	190	ug/Kg
88-74-4	2-Nitroaniline	150	U	55.0	150	190	ug/Kg
131-11-3	Dimethylphthalate	150	U	31.0	150	190	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/06/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	82H-N	SDG No.:	Q2820
Lab Sample ID:	Q2820-03	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	87.4
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
BP025387.D	1	08/12/25 09:15	08/13/25 16:50	PB169210

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	150	U	33.0	150	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	150	U	38.4	150	190	ug/Kg
99-09-2	3-Nitroaniline	150	U	52.6	150	190	ug/Kg
83-32-9	Acenaphthene	150	U	24.3	150	190	ug/Kg
51-28-5	2,4-Dinitrophenol	310	U	260	310	380	ug/Kg
100-02-7	4-Nitrophenol	310	U	120	310	380	ug/Kg
132-64-9	Dibenzofuran	150	U	25.9	150	190	ug/Kg
121-14-2	2,4-Dinitrotoluene	150	U	57.3	150	190	ug/Kg
84-66-2	Diethylphthalate	150	U	32.3	150	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	150	U	30.5	150	190	ug/Kg
86-73-7	Fluorene	150	U	28.9	150	190	ug/Kg
100-01-6	4-Nitroaniline	150	U	73.4	150	190	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	310	U	120	310	380	ug/Kg
86-30-6	n-Nitrosodiphenylamine	150	U	37.6	150	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	150	U	31.8	150	190	ug/Kg
118-74-1	Hexachlorobenzene	150	U	28.9	150	190	ug/Kg
1912-24-9	Atrazine	150	U	38.9	150	190	ug/Kg
87-86-5	Pentachlorophenol	310	U	58.6	310	380	ug/Kg
85-01-8	Phenanthrene	150	U	23.9	150	190	ug/Kg
120-12-7	Anthracene	150	U	38.1	150	190	ug/Kg
86-74-8	Carbazole	150	U	35.7	150	190	ug/Kg
84-74-2	Di-n-butylphthalate	150	U	54.8	150	190	ug/Kg
206-44-0	Fluoranthene	110	J	34.3	150	190	ug/Kg
129-00-0	Pyrene	87.5	J	41.1	150	190	ug/Kg
85-68-7	Butylbenzylphthalate	150	U	81.6	150	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	310	U	41.9	310	380	ug/Kg
56-55-3	Benzo(a)anthracene	150	U	26.3	150	190	ug/Kg
218-01-9	Chrysene	150	U	22.7	150	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	150	U	67.7	150	190	ug/Kg
117-84-0	Di-n-octyl phthalate	310	U	99.2	310	380	ug/Kg
205-99-2	Benzo(b)fluoranthene	150	U	21.7	150	190	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/06/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	82H-N	SDG No.:	Q2820
Lab Sample ID:	Q2820-03	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	87.4
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
BP025387.D	1	08/12/25 09:15	08/13/25 16:50	PB169210

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	150	U	25.6	150	190	ug/Kg
50-32-8	Benzo(a)pyrene	150	U	33.7	150	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	150	U	33.3	150	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	150	U	31.3	150	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	150	U	29.4	150	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	150	U	29.3	150	190	ug/Kg
123-91-1	1,4-Dioxane	150	U	51.7	150	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	150	U	31.3	150	190	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	73.7		35 - 115		49%	SPK: 150
13127-88-3	Phenol-d6	66.9		34 - 127		45%	SPK: 150
4165-60-0	Nitrobenzene-d5	52.4		37 - 122		52%	SPK: 100
321-60-8	2-Fluorobiphenyl	49.1		44 - 115		49%	SPK: 100
118-79-6	2,4,6-Tribromophenol	101		39 - 132		67%	SPK: 150
1718-51-0	Terphenyl-d14	46.3	*	54 - 127		46%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	178000	7.796
1146-65-2	Naphthalene-d8	679000	10.566
15067-26-2	Acenaphthene-d10	422000	14.413
1517-22-2	Phenanthrene-d10	845000	17.207
1719-03-5	Chrysene-d12	1030000	21.666
1520-96-3	Perylene-d12	1150000	25.06

TENTATIVE IDENTIFIED COMPOUNDS

013463-40-6	Iron pentacarbonyl	170	J		2.97	ug/Kg
000994-05-8	Butane, 2-methoxy-2-methyl-	970	J		3.04	ug/Kg
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	190	AB		4.95	ug/Kg
000119-61-9	Benzophenone	150	J		15.8	ug/Kg
000057-10-3	n-Hexadecanoic acid	350	J		18.2	ug/Kg
000057-11-4	Octadecanoic acid	77.0	J		19.5	ug/Kg
1000351-78-2	Heptacosyl acetate	200	J		21.3	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/06/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	82H-N	SDG No.:	Q2820
Lab Sample ID:	Q2820-03	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	87.4
Sample Wt/Vol:	30.03	Units:	g
Soil Aliquot Vol:			uL
Extraction Type :		Decanted :	N
Injection Volume :		GPC Factor :	1.0
Prep Method :	SW3541	Level :	LOW
		Final Vol:	1000 uL
		Test:	SVOC-TCL BNA -20
		GPC Cleanup :	N
		PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025387.D	1	08/12/25 09:15	08/13/25 16:50	PB169210

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

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/06/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	SOIL-DUP-1	SDG No.:	Q2820
Lab Sample ID:	Q2820-04	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	86.8
Sample Wt/Vol:	30.06 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
BP025385.D	1	08/12/25 09:15	08/13/25 15:27	PB169210

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
100-52-7	Benzaldehyde	310	U	180	310	380	ug/Kg
108-95-2	Phenol	150	U	25.4	150	200	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	150	U	27.9	150	200	ug/Kg
95-57-8	2-Chlorophenol	150	U	28.1	150	200	ug/Kg
95-48-7	2-Methylphenol	150	U	34.4	150	200	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	150	U	43.1	150	200	ug/Kg
98-86-2	Acetophenone	150	U	33.9	150	200	ug/Kg
65794-96-9	3+4-Methylphenols	310	U	47.3	310	380	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	92.0	U	54.5	92.0	92.0	ug/Kg
67-72-1	Hexachloroethane	150	U	20.2	150	200	ug/Kg
98-95-3	Nitrobenzene	150	U	21.0	150	200	ug/Kg
78-59-1	Isophorone	150	U	37.7	150	200	ug/Kg
88-75-5	2-Nitrophenol	150	U	66.9	150	200	ug/Kg
105-67-9	2,4-Dimethylphenol	150	U	74.5	150	200	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	150	U	35.4	150	200	ug/Kg
120-83-2	2,4-Dichlorophenol	150	U	32.5	150	200	ug/Kg
91-20-3	Naphthalene	150	U	26.1	150	200	ug/Kg
106-47-8	4-Chloroaniline	150	U	40.7	150	200	ug/Kg
87-68-3	Hexachlorobutadiene	150	U	29.1	150	200	ug/Kg
105-60-2	Caprolactam	310	U	59.9	310	380	ug/Kg
59-50-7	4-Chloro-3-methylphenol	150	U	33.0	150	200	ug/Kg
91-57-6	2-Methylnaphthalene	150	U	29.4	150	200	ug/Kg
77-47-4	Hexachlorocyclopentadiene	310	U	130	310	380	ug/Kg
88-06-2	2,4,6-Trichlorophenol	150	U	22.8	150	200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	150	U	33.5	150	200	ug/Kg
92-52-4	1,1-Biphenyl	150	U	25.1	150	200	ug/Kg
91-58-7	2-Chloronaphthalene	150	U	25.9	150	200	ug/Kg
88-74-4	2-Nitroaniline	150	U	55.3	150	200	ug/Kg
131-11-3	Dimethylphthalate	150	U	31.2	150	200	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/06/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	SOIL-DUP-1	SDG No.:	Q2820
Lab Sample ID:	Q2820-04	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	86.8
Sample Wt/Vol:	30.06 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
BP025385.D	1	08/12/25 09:15	08/13/25 15:27	PB169210

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	150	U	33.2	150	200	ug/Kg
606-20-2	2,6-Dinitrotoluene	150	U	38.6	150	200	ug/Kg
99-09-2	3-Nitroaniline	150	U	52.9	150	200	ug/Kg
83-32-9	Acenaphthene	150	U	24.5	150	200	ug/Kg
51-28-5	2,4-Dinitrophenol	310	U	260	310	380	ug/Kg
100-02-7	4-Nitrophenol	310	U	120	310	380	ug/Kg
132-64-9	Dibenzofuran	150	U	26.1	150	200	ug/Kg
121-14-2	2,4-Dinitrotoluene	150	U	57.6	150	200	ug/Kg
84-66-2	Diethylphthalate	150	U	32.5	150	200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	150	U	30.7	150	200	ug/Kg
86-73-7	Fluorene	150	U	29.1	150	200	ug/Kg
100-01-6	4-Nitroaniline	150	U	73.8	150	200	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	310	U	120	310	380	ug/Kg
86-30-6	n-Nitrosodiphenylamine	150	U	37.8	150	200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	150	U	32.0	150	200	ug/Kg
118-74-1	Hexachlorobenzene	150	U	29.1	150	200	ug/Kg
1912-24-9	Atrazine	150	U	39.1	150	200	ug/Kg
87-86-5	Pentachlorophenol	310	U	59.0	310	380	ug/Kg
85-01-8	Phenanthrene	150	U	24.0	150	200	ug/Kg
120-12-7	Anthracene	150	U	38.3	150	200	ug/Kg
86-74-8	Carbazole	150	U	35.9	150	200	ug/Kg
84-74-2	Di-n-butylphthalate	150	U	55.1	150	200	ug/Kg
206-44-0	Fluoranthene	150	U	34.5	150	200	ug/Kg
129-00-0	Pyrene	150	U	41.4	150	200	ug/Kg
85-68-7	Butylbenzylphthalate	150	U	82.1	150	200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	310	U	42.2	310	380	ug/Kg
56-55-3	Benzo(a)anthracene	150	U	26.4	150	200	ug/Kg
218-01-9	Chrysene	150	U	22.9	150	200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	150	U	68.1	150	200	ug/Kg
117-84-0	Di-n-octyl phthalate	310	U	99.8	310	380	ug/Kg
205-99-2	Benzo(b)fluoranthene	150	U	21.8	150	200	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/06/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	SOIL-DUP-1	SDG No.:	Q2820
Lab Sample ID:	Q2820-04	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	86.8
Sample Wt/Vol:	30.06 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
BP025385.D	1	08/12/25 09:15	08/13/25 15:27	PB169210

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	150	U	25.8	150	200	ug/Kg
50-32-8	Benzo(a)pyrene	150	U	33.9	150	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	150	U	33.5	150	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	150	U	31.5	150	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	150	U	29.5	150	200	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	150	U	29.4	150	200	ug/Kg
123-91-1	1,4-Dioxane	150	U	52.0	150	200	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	150	U	31.5	150	200	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	76.9		35 - 115		51%	SPK: 150
13127-88-3	Phenol-d6	69.4		34 - 127		46%	SPK: 150
4165-60-0	Nitrobenzene-d5	53.0		37 - 122		53%	SPK: 100
321-60-8	2-Fluorobiphenyl	51.6		44 - 115		52%	SPK: 100
118-79-6	2,4,6-Tribromophenol	112		39 - 132		74%	SPK: 150
1718-51-0	Terphenyl-d14	52.4	*	54 - 127		52%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	168000	7.796
1146-65-2	Naphthalene-d8	648000	10.572
15067-26-2	Acenaphthene-d10	392000	14.425
1517-22-2	Phenanthrene-d10	809000	17.231
1719-03-5	Chrysene-d12	934000	21.672
1520-96-3	Perylene-d12	1050000	25.083

TENTATIVE IDENTIFIED COMPOUNDS

000994-05-8	Butane, 2-methoxy-2-methyl-	780	J		3.04	ug/Kg
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	200	AB		4.95	ug/Kg
000119-61-9	Benzophenone	93.1	J		15.8	ug/Kg
000057-10-3	n-Hexadecanoic acid	270	J		18.2	ug/Kg
015594-90-8	1-Heneicosanol	190	J		21.3	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/06/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	SOIL-DUP-1	SDG No.:	Q2820
Lab Sample ID:	Q2820-04	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	86.8
Sample Wt/Vol:	30.06	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	SVOC-TCL BNA -20
	Decanted :	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
BP025385.D	1	08/12/25 09:15	08/13/25 15:27	PB169210

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

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-E	SDG No.:	Q2820
Lab Sample ID:	Q2820-05	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	48.8
Sample Wt/Vol:	30.09 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
BP025381.D	1	08/12/25 09:15	08/13/25 12:41	PB169210

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

100-52-7	Benzaldehyde	550	U	320	550	670	ug/Kg
108-95-2	Phenol	270	U	45.2	270	350	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	270	U	49.6	270	350	ug/Kg
95-57-8	2-Chlorophenol	270	U	49.9	270	350	ug/Kg
95-48-7	2-Methylphenol	270	U	61.1	270	350	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	270	U	76.6	270	350	ug/Kg
98-86-2	Acetophenone	270	U	60.3	270	350	ug/Kg
65794-96-9	3+4-Methylphenols	550	U	84.0	550	670	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	160	U	96.8	160	160	ug/Kg
67-72-1	Hexachloroethane	270	U	36.0	270	350	ug/Kg
98-95-3	Nitrobenzene	270	U	37.4	270	350	ug/Kg
78-59-1	Isophorone	270	U	67.0	270	350	ug/Kg
88-75-5	2-Nitrophenol	270	U	120	270	350	ug/Kg
105-67-9	2,4-Dimethylphenol	270	U	130	270	350	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	270	U	62.9	270	350	ug/Kg
120-83-2	2,4-Dichlorophenol	270	U	57.8	270	350	ug/Kg
91-20-3	Naphthalene	270	U	46.4	270	350	ug/Kg
106-47-8	4-Chloroaniline	270	U	72.3	270	350	ug/Kg
87-68-3	Hexachlorobutadiene	270	U	51.7	270	350	ug/Kg
105-60-2	Caprolactam	550	U	110	550	670	ug/Kg
59-50-7	4-Chloro-3-methylphenol	270	U	58.6	270	350	ug/Kg
91-57-6	2-Methylnaphthalene	270	U	52.3	270	350	ug/Kg
77-47-4	Hexachlorocyclopentadiene	550	U	240	550	670	ug/Kg
88-06-2	2,4,6-Trichlorophenol	270	U	40.5	270	350	ug/Kg
95-95-4	2,4,5-Trichlorophenol	270	U	59.5	270	350	ug/Kg
92-52-4	1,1-Biphenyl	270	U	44.5	270	350	ug/Kg
91-58-7	2-Chloronaphthalene	270	U	46.0	270	350	ug/Kg
88-74-4	2-Nitroaniline	270	U	98.3	270	350	ug/Kg
131-11-3	Dimethylphthalate	270	U	55.4	270	350	ug/Kg

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-E	SDG No.:	Q2820
Lab Sample ID:	Q2820-05	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	48.8
Sample Wt/Vol:	30.09 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
BP025381.D	1	08/12/25 09:15	08/13/25 12:41	PB169210

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	270	U	59.0	270	350	ug/Kg
606-20-2	2,6-Dinitrotoluene	270	U	68.6	270	350	ug/Kg
99-09-2	3-Nitroaniline	270	U	94.0	270	350	ug/Kg
83-32-9	Acenaphthene	270	U	43.5	270	350	ug/Kg
51-28-5	2,4-Dinitrophenol	550	U	470	550	670	ug/Kg
100-02-7	4-Nitrophenol	550	U	220	550	670	ug/Kg
132-64-9	Dibenzofuran	270	U	46.4	270	350	ug/Kg
121-14-2	2,4-Dinitrotoluene	270	U	100	270	350	ug/Kg
84-66-2	Diethylphthalate	270	U	57.8	270	350	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	270	U	54.5	270	350	ug/Kg
86-73-7	Fluorene	270	U	51.7	270	350	ug/Kg
100-01-6	4-Nitroaniline	270	U	130	270	350	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	550	U	210	550	670	ug/Kg
86-30-6	n-Nitrosodiphenylamine	270	U	67.2	270	350	ug/Kg
101-55-3	4-Bromophenyl-phenylether	270	U	56.8	270	350	ug/Kg
118-74-1	Hexachlorobenzene	270	U	51.7	270	350	ug/Kg
1912-24-9	Atrazine	270	U	69.5	270	350	ug/Kg
87-86-5	Pentachlorophenol	550	U	100	550	670	ug/Kg
85-01-8	Phenanthrene	270	U	42.7	270	350	ug/Kg
120-12-7	Anthracene	270	U	68.0	270	350	ug/Kg
86-74-8	Carbazole	270	U	63.7	270	350	ug/Kg
84-74-2	Di-n-butylphthalate	270	U	97.9	270	350	ug/Kg
206-44-0	Fluoranthene	270	U	61.3	270	350	ug/Kg
129-00-0	Pyrene	270	U	73.5	270	350	ug/Kg
85-68-7	Butylbenzylphthalate	270	U	150	270	350	ug/Kg
91-94-1	3,3-Dichlorobenzidine	550	U	75.0	550	670	ug/Kg
56-55-3	Benzo(a)anthracene	270	U	47.0	270	350	ug/Kg
218-01-9	Chrysene	270	U	40.7	270	350	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	270	U	120	270	350	ug/Kg
117-84-0	Di-n-octyl phthalate	550	U	180	550	670	ug/Kg
205-99-2	Benzo(b)fluoranthene	270	U	38.8	270	350	ug/Kg

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-E	SDG No.:	Q2820
Lab Sample ID:	Q2820-05	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	48.8
Sample Wt/Vol:	30.09 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
BP025381.D	1	08/12/25 09:15	08/13/25 12:41	PB169210

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	270	U	45.8	270	350	ug/Kg
50-32-8	Benzo(a)pyrene	270	U	60.3	270	350	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	270	U	59.5	270	350	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	270	U	56.0	270	350	ug/Kg
191-24-2	Benzo(g,h,i)perylene	270	U	52.5	270	350	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	270	U	52.3	270	350	ug/Kg
123-91-1	1,4-Dioxane	270	U	92.3	270	350	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	270	U	56.0	270	350	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	117		35 - 115		78%	SPK: 150
13127-88-3	Phenol-d6	110		34 - 127		73%	SPK: 150
4165-60-0	Nitrobenzene-d5	78.6		37 - 122		79%	SPK: 100
321-60-8	2-Fluorobiphenyl	55.8		44 - 115		56%	SPK: 100
118-79-6	2,4,6-Tribromophenol	154		39 - 132		102%	SPK: 150
1718-51-0	Terphenyl-d14	45.7	*	54 - 127		46%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	175000	7.796
1146-65-2	Naphthalene-d8	681000	10.572
15067-26-2	Acenaphthene-d10	417000	14.413
1517-22-2	Phenanthrene-d10	829000	17.207
1719-03-5	Chrysene-d12	887000	21.654
1520-96-3	Perylene-d12	1030000	25.054

TENTATIVE IDENTIFIED COMPOUNDS

000994-05-8	Butane, 2-methoxy-2-methyl-	2300	J		3.04	ug/Kg
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	540	AB		4.96	ug/Kg
65-85-0	Benzoic acid	470	J		9.81	ug/Kg
000119-61-9	Benzophenone	290	J		15.8	ug/Kg
000057-10-3	n-Hexadecanoic acid	650	J		18.1	ug/Kg
000057-11-4	Octadecanoic acid	150	J		19.5	ug/Kg
015594-90-8	1-Heneicosanol	490	J		21.3	ug/Kg

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-E	SDG No.:	Q2820
Lab Sample ID:	Q2820-05	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	48.8
Sample Wt/Vol:	30.09	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	SVOC-TCL BNA -20
	Decanted :	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
BP025381.D	1	08/12/25 09:15	08/13/25 12:41	PB169210

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
018835-33-1	1-Hexacosene	230	J			22.6	ug/Kg

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

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

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)
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

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)
207-08-9	Benzo(k)fluoranthene	170	U	28.9	170	220	ug/Kg
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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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)
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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

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-S	SDG No.:	Q2820
Lab Sample ID:	Q2820-07	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	78.6
Sample Wt/Vol:	30.04 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
BP025388.D	1	08/12/25 09:15	08/13/25 17:32	PB169210

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
100-52-7	Benzaldehyde	340	U	200	340	420	ug/Kg
108-95-2	Phenol	170	U	28.1	170	220	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	170	U	30.9	170	220	ug/Kg
95-57-8	2-Chlorophenol	170	U	31.0	170	220	ug/Kg
95-48-7	2-Methylphenol	170	U	38.0	170	220	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	170	U	47.6	170	220	ug/Kg
98-86-2	Acetophenone	170	U	37.5	170	220	ug/Kg
65794-96-9	3+4-Methylphenols	340	U	52.2	340	420	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	100	U	60.2	100	100	ug/Kg
67-72-1	Hexachloroethane	170	U	22.4	170	220	ug/Kg
98-95-3	Nitrobenzene	170	U	23.3	170	220	ug/Kg
78-59-1	Isophorone	170	U	41.7	170	220	ug/Kg
88-75-5	2-Nitrophenol	170	U	73.9	170	220	ug/Kg
105-67-9	2,4-Dimethylphenol	170	U	82.3	170	220	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	170	U	39.1	170	220	ug/Kg
120-83-2	2,4-Dichlorophenol	170	U	36.0	170	220	ug/Kg
91-20-3	Naphthalene	170	U	28.8	170	220	ug/Kg
106-47-8	4-Chloroaniline	170	U	45.0	170	220	ug/Kg
87-68-3	Hexachlorobutadiene	170	U	32.1	170	220	ug/Kg
105-60-2	Caprolactam	340	U	66.2	340	420	ug/Kg
59-50-7	4-Chloro-3-methylphenol	170	U	36.5	170	220	ug/Kg
91-57-6	2-Methylnaphthalene	170	U	32.5	170	220	ug/Kg
77-47-4	Hexachlorocyclopentadiene	340	U	150	340	420	ug/Kg
88-06-2	2,4,6-Trichlorophenol	170	U	25.2	170	220	ug/Kg
95-95-4	2,4,5-Trichlorophenol	170	U	37.0	170	220	ug/Kg
92-52-4	1,1-Biphenyl	170	U	27.7	170	220	ug/Kg
91-58-7	2-Chloronaphthalene	170	U	28.6	170	220	ug/Kg
88-74-4	2-Nitroaniline	170	U	61.1	170	220	ug/Kg
131-11-3	Dimethylphthalate	170	U	34.4	170	220	ug/Kg

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-S	SDG No.:	Q2820
Lab Sample ID:	Q2820-07	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	78.6
Sample Wt/Vol:	30.04 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
BP025388.D	1	08/12/25 09:15	08/13/25 17:32	PB169210

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	170	U	36.7	170	220	ug/Kg
606-20-2	2,6-Dinitrotoluene	170	U	42.7	170	220	ug/Kg
99-09-2	3-Nitroaniline	170	U	58.4	170	220	ug/Kg
83-32-9	Acenaphthene	170	U	27.1	170	220	ug/Kg
51-28-5	2,4-Dinitrophenol	340	U	290	340	420	ug/Kg
100-02-7	4-Nitrophenol	340	U	140	340	420	ug/Kg
132-64-9	Dibenzofuran	170	U	28.8	170	220	ug/Kg
121-14-2	2,4-Dinitrotoluene	170	U	63.7	170	220	ug/Kg
84-66-2	Diethylphthalate	170	U	36.0	170	220	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	170	U	33.9	170	220	ug/Kg
86-73-7	Fluorene	170	U	32.1	170	220	ug/Kg
100-01-6	4-Nitroaniline	170	U	81.6	170	220	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	340	U	130	340	420	ug/Kg
86-30-6	n-Nitrosodiphenylamine	170	U	41.8	170	220	ug/Kg
101-55-3	4-Bromophenyl-phenylether	170	U	35.3	170	220	ug/Kg
118-74-1	Hexachlorobenzene	170	U	32.1	170	220	ug/Kg
1912-24-9	Atrazine	170	U	43.2	170	220	ug/Kg
87-86-5	Pentachlorophenol	340	U	65.2	340	420	ug/Kg
85-01-8	Phenanthrene	170	U	26.6	170	220	ug/Kg
120-12-7	Anthracene	170	U	42.3	170	220	ug/Kg
86-74-8	Carbazole	170	U	39.6	170	220	ug/Kg
84-74-2	Di-n-butylphthalate	170	U	60.9	170	220	ug/Kg
206-44-0	Fluoranthene	310		38.1	170	220	ug/Kg
129-00-0	Pyrene	300		45.7	170	220	ug/Kg
85-68-7	Butylbenzylphthalate	170	U	90.7	170	220	ug/Kg
91-94-1	3,3-Dichlorobenzidine	340	U	46.6	340	420	ug/Kg
56-55-3	Benzo(a)anthracene	180	J	29.2	170	220	ug/Kg
218-01-9	Chrysene	170	J	25.3	170	220	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	170	U	75.2	170	220	ug/Kg
117-84-0	Di-n-octyl phthalate	340	U	110	340	420	ug/Kg
205-99-2	Benzo(b)fluoranthene	240		24.1	170	220	ug/Kg

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-S	SDG No.:	Q2820
Lab Sample ID:	Q2820-07	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	78.6
Sample Wt/Vol:	30.04 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
BP025388.D	1	08/12/25 09:15	08/13/25 17:32	PB169210

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	88.0	J	28.5	170	220	ug/Kg
50-32-8	Benzo(a)pyrene	180	J	37.5	170	220	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	110	J	37.0	170	220	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	170	U	34.8	170	220	ug/Kg
191-24-2	Benzo(g,h,i)perylene	130	J	32.7	170	220	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	170	U	32.5	170	220	ug/Kg
123-91-1	1,4-Dioxane	170	U	57.4	170	220	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	170	U	34.8	170	220	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	73.2		35 - 115		49%	SPK: 150
13127-88-3	Phenol-d6	67.7		34 - 127		45%	SPK: 150
4165-60-0	Nitrobenzene-d5	48.9		37 - 122		49%	SPK: 100
321-60-8	2-Fluorobiphenyl	42.9	*	44 - 115		43%	SPK: 100
118-79-6	2,4,6-Tribromophenol	91.9		39 - 132		61%	SPK: 150
1718-51-0	Terphenyl-d14	37.9	*	54 - 127		38%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	213000	7.796
1146-65-2	Naphthalene-d8	845000	10.572
15067-26-2	Acenaphthene-d10	533000	14.419
1517-22-2	Phenanthrene-d10	1010000	17.219
1719-03-5	Chrysene-d12	1020000	21.677
1520-96-3	Perylene-d12	1160000	25.071

TENTATIVE IDENTIFIED COMPOUNDS

000994-05-8	Butane, 2-methoxy-2-methyl-	760	J		3.05	ug/Kg
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	210	AB		4.96	ug/Kg
000119-61-9	Benzophenone	180	J		15.8	ug/Kg
000057-10-3	n-Hexadecanoic acid	660	J		18.2	ug/Kg
000057-11-4	Octadecanoic acid	150	J		19.5	ug/Kg
959092-08-1	Pentafluoropropionic acid, pentade	220	J		21.3	ug/Kg

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-S	SDG No.:	Q2820
Lab Sample ID:	Q2820-07	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	78.6
Sample Wt/Vol:	30.04	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	SVOC-TCL BNA -20
	Decanted :	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
BP025388.D	1	08/12/25 09:15	08/13/25 17:32	PB169210

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

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-SRE	SDG No.:	Q2820
Lab Sample ID:	Q2820-07RE	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	78.6
Sample Wt/Vol:	30.04 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
BP025432.D	1	08/12/25 09:15	08/15/25 18:17	PB169210

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
100-52-7	Benzaldehyde	340	U	200	340	420	ug/Kg
108-95-2	Phenol	170	U	28.1	170	220	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	170	U	30.9	170	220	ug/Kg
95-57-8	2-Chlorophenol	170	U	31.0	170	220	ug/Kg
95-48-7	2-Methylphenol	170	U	38.0	170	220	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	170	U	47.6	170	220	ug/Kg
98-86-2	Acetophenone	170	U	37.5	170	220	ug/Kg
65794-96-9	3+4-Methylphenols	340	U	52.2	340	420	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	100	U	60.2	100	100	ug/Kg
67-72-1	Hexachloroethane	170	U	22.4	170	220	ug/Kg
98-95-3	Nitrobenzene	170	U	23.3	170	220	ug/Kg
78-59-1	Isophorone	170	U	41.7	170	220	ug/Kg
88-75-5	2-Nitrophenol	170	U	73.9	170	220	ug/Kg
105-67-9	2,4-Dimethylphenol	170	U	82.3	170	220	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	170	U	39.1	170	220	ug/Kg
120-83-2	2,4-Dichlorophenol	170	U	36.0	170	220	ug/Kg
91-20-3	Naphthalene	170	U	28.8	170	220	ug/Kg
106-47-8	4-Chloroaniline	170	U	45.0	170	220	ug/Kg
87-68-3	Hexachlorobutadiene	170	U	32.1	170	220	ug/Kg
105-60-2	Caprolactam	340	U	66.2	340	420	ug/Kg
59-50-7	4-Chloro-3-methylphenol	170	U	36.5	170	220	ug/Kg
91-57-6	2-Methylnaphthalene	170	U	32.5	170	220	ug/Kg
77-47-4	Hexachlorocyclopentadiene	340	U	150	340	420	ug/Kg
88-06-2	2,4,6-Trichlorophenol	170	U	25.2	170	220	ug/Kg
95-95-4	2,4,5-Trichlorophenol	170	U	37.0	170	220	ug/Kg
92-52-4	1,1-Biphenyl	170	U	27.7	170	220	ug/Kg
91-58-7	2-Chloronaphthalene	170	U	28.6	170	220	ug/Kg
88-74-4	2-Nitroaniline	170	U	61.1	170	220	ug/Kg
131-11-3	Dimethylphthalate	170	U	34.4	170	220	ug/Kg

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-SRE	SDG No.:	Q2820
Lab Sample ID:	Q2820-07RE	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	78.6
Sample Wt/Vol:	30.04 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
BP025432.D	1	08/12/25 09:15	08/15/25 18:17	PB169210

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	170	U	36.7	170	220	ug/Kg
606-20-2	2,6-Dinitrotoluene	170	U	42.7	170	220	ug/Kg
99-09-2	3-Nitroaniline	170	U	58.4	170	220	ug/Kg
83-32-9	Acenaphthene	170	U	27.1	170	220	ug/Kg
51-28-5	2,4-Dinitrophenol	340	U	290	340	420	ug/Kg
100-02-7	4-Nitrophenol	340	U	140	340	420	ug/Kg
132-64-9	Dibenzofuran	170	U	28.8	170	220	ug/Kg
121-14-2	2,4-Dinitrotoluene	170	U	63.7	170	220	ug/Kg
84-66-2	Diethylphthalate	170	U	36.0	170	220	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	170	U	33.9	170	220	ug/Kg
86-73-7	Fluorene	170	U	32.1	170	220	ug/Kg
100-01-6	4-Nitroaniline	170	U	81.6	170	220	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	340	U	130	340	420	ug/Kg
86-30-6	n-Nitrosodiphenylamine	170	U	41.8	170	220	ug/Kg
101-55-3	4-Bromophenyl-phenylether	170	U	35.3	170	220	ug/Kg
118-74-1	Hexachlorobenzene	170	U	32.1	170	220	ug/Kg
1912-24-9	Atrazine	170	U	43.2	170	220	ug/Kg
87-86-5	Pentachlorophenol	340	U	65.2	340	420	ug/Kg
85-01-8	Phenanthrene	170	U	26.6	170	220	ug/Kg
120-12-7	Anthracene	170	U	42.3	170	220	ug/Kg
86-74-8	Carbazole	170	U	39.6	170	220	ug/Kg
84-74-2	Di-n-butylphthalate	170	U	60.9	170	220	ug/Kg
206-44-0	Fluoranthene	280		38.1	170	220	ug/Kg
129-00-0	Pyrene	280		45.7	170	220	ug/Kg
85-68-7	Butylbenzylphthalate	170	U	90.7	170	220	ug/Kg
91-94-1	3,3-Dichlorobenzidine	340	U	46.6	340	420	ug/Kg
56-55-3	Benzo(a)anthracene	180	J	29.2	170	220	ug/Kg
218-01-9	Chrysene	160	J	25.3	170	220	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	170	U	75.2	170	220	ug/Kg
117-84-0	Di-n-octyl phthalate	340	U	110	340	420	ug/Kg
205-99-2	Benzo(b)fluoranthene	240		24.1	170	220	ug/Kg

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-SRE	SDG No.:	Q2820
Lab Sample ID:	Q2820-07RE	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	78.6
Sample Wt/Vol:	30.04 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
BP025432.D	1	08/12/25 09:15	08/15/25 18:17	PB169210

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	170	U	28.5	170	220	ug/Kg
50-32-8	Benzo(a)pyrene	180	J	37.5	170	220	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	100	J	37.0	170	220	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	170	U	34.8	170	220	ug/Kg
191-24-2	Benzo(g,h,i)perylene	130	J	32.7	170	220	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	170	U	32.5	170	220	ug/Kg
123-91-1	1,4-Dioxane	170	U	57.4	170	220	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	170	U	34.8	170	220	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	77.1		35 - 115		51%	SPK: 150
13127-88-3	Phenol-d6	79.3		34 - 127		53%	SPK: 150
4165-60-0	Nitrobenzene-d5	45.9		37 - 122		46%	SPK: 100
321-60-8	2-Fluorobiphenyl	42.5	*	44 - 115		42%	SPK: 100
118-79-6	2,4,6-Tribromophenol	74.3		39 - 132		50%	SPK: 150
1718-51-0	Terphenyl-d14	35.6	*	54 - 127		36%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	179000	7.79
1146-65-2	Naphthalene-d8	754000	10.555
15067-26-2	Acenaphthene-d10	491000	14.396
1517-22-2	Phenanthrene-d10	975000	17.195
1719-03-5	Chrysene-d12	981000	21.636
1520-96-3	Perylene-d12	1090000	25.001

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

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-W	SDG No.:	Q2820
Lab Sample ID:	Q2820-08	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	89
Sample Wt/Vol:	30.08 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
BP025383.D	1	08/12/25 09:15	08/13/25 14:04	PB169210

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
100-52-7	Benzaldehyde	300	U	170	300	370	ug/Kg
108-95-2	Phenol	150	U	24.8	150	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	150	U	27.2	150	190	ug/Kg
95-57-8	2-Chlorophenol	150	U	27.3	150	190	ug/Kg
95-48-7	2-Methylphenol	150	U	33.5	150	190	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	150	U	42.0	150	190	ug/Kg
98-86-2	Acetophenone	150	U	33.1	150	190	ug/Kg
65794-96-9	3+4-Methylphenols	300	U	46.1	300	370	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	89.6	U	53.1	89.6	89.6	ug/Kg
67-72-1	Hexachloroethane	150	U	19.7	150	190	ug/Kg
98-95-3	Nitrobenzene	150	U	20.5	150	190	ug/Kg
78-59-1	Isophorone	150	U	36.8	150	190	ug/Kg
88-75-5	2-Nitrophenol	150	U	65.2	150	190	ug/Kg
105-67-9	2,4-Dimethylphenol	150	U	72.6	150	190	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	150	U	34.5	150	190	ug/Kg
120-83-2	2,4-Dichlorophenol	150	U	31.7	150	190	ug/Kg
91-20-3	Naphthalene	150	U	25.4	150	190	ug/Kg
106-47-8	4-Chloroaniline	150	U	39.7	150	190	ug/Kg
87-68-3	Hexachlorobutadiene	150	U	28.4	150	190	ug/Kg
105-60-2	Caprolactam	300	U	58.4	300	370	ug/Kg
59-50-7	4-Chloro-3-methylphenol	150	U	32.2	150	190	ug/Kg
91-57-6	2-Methylnaphthalene	150	U	28.7	150	190	ug/Kg
77-47-4	Hexachlorocyclopentadiene	300	U	130	300	370	ug/Kg
88-06-2	2,4,6-Trichlorophenol	150	U	22.2	150	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	150	U	32.6	150	190	ug/Kg
92-52-4	1,1-Biphenyl	150	U	24.4	150	190	ug/Kg
91-58-7	2-Chloronaphthalene	150	U	25.2	150	190	ug/Kg
88-74-4	2-Nitroaniline	150	U	53.9	150	190	ug/Kg
131-11-3	Dimethylphthalate	150	U	30.4	150	190	ug/Kg

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-W	SDG No.:	Q2820
Lab Sample ID:	Q2820-08	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	89
Sample Wt/Vol:	30.08 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
BP025383.D	1	08/12/25 09:15	08/13/25 14:04	PB169210

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	150	U	32.4	150	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	150	U	37.7	150	190	ug/Kg
99-09-2	3-Nitroaniline	150	U	51.5	150	190	ug/Kg
83-32-9	Acenaphthene	150	U	23.9	150	190	ug/Kg
51-28-5	2,4-Dinitrophenol	300	U	260	300	370	ug/Kg
100-02-7	4-Nitrophenol	300	U	120	300	370	ug/Kg
132-64-9	Dibenzofuran	150	U	25.4	150	190	ug/Kg
121-14-2	2,4-Dinitrotoluene	150	U	56.1	150	190	ug/Kg
84-66-2	Diethylphthalate	150	U	31.7	150	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	150	U	29.9	150	190	ug/Kg
86-73-7	Fluorene	150	U	28.4	150	190	ug/Kg
100-01-6	4-Nitroaniline	150	U	71.9	150	190	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	300	U	120	300	370	ug/Kg
86-30-6	n-Nitrosodiphenylamine	150	U	36.9	150	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	150	U	31.2	150	190	ug/Kg
118-74-1	Hexachlorobenzene	150	U	28.4	150	190	ug/Kg
1912-24-9	Atrazine	150	U	38.1	150	190	ug/Kg
87-86-5	Pentachlorophenol	300	U	57.5	300	370	ug/Kg
85-01-8	Phenanthrene	150	U	23.4	150	190	ug/Kg
120-12-7	Anthracene	150	U	37.3	150	190	ug/Kg
86-74-8	Carbazole	150	U	35.0	150	190	ug/Kg
84-74-2	Di-n-butylphthalate	150	U	53.7	150	190	ug/Kg
206-44-0	Fluoranthene	150	U	33.6	150	190	ug/Kg
129-00-0	Pyrene	150	U	40.3	150	190	ug/Kg
85-68-7	Butylbenzylphthalate	150	U	80.0	150	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	300	U	41.1	300	370	ug/Kg
56-55-3	Benzo(a)anthracene	150	U	25.8	150	190	ug/Kg
218-01-9	Chrysene	150	U	22.3	150	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	150	U	66.3	150	190	ug/Kg
117-84-0	Di-n-octyl phthalate	300	U	97.3	300	370	ug/Kg
205-99-2	Benzo(b)fluoranthene	150	U	21.3	150	190	ug/Kg

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-W	SDG No.:	Q2820
Lab Sample ID:	Q2820-08	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	89
Sample Wt/Vol:	30.08 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
BP025383.D	1	08/12/25 09:15	08/13/25 14:04	PB169210

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	150	U	25.1	150	190	ug/Kg
50-32-8	Benzo(a)pyrene	150	U	33.1	150	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	150	U	32.6	150	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	150	U	30.7	150	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	150	U	28.8	150	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	150	U	28.7	150	190	ug/Kg
123-91-1	1,4-Dioxane	150	U	50.7	150	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	150	U	30.7	150	190	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	121		35 - 115		81%	SPK: 150
13127-88-3	Phenol-d6	113		34 - 127		75%	SPK: 150
4165-60-0	Nitrobenzene-d5	85.8		37 - 122		86%	SPK: 100
321-60-8	2-Fluorobiphenyl	80.0		44 - 115		80%	SPK: 100
118-79-6	2,4,6-Tribromophenol	177		39 - 132		118%	SPK: 150
1718-51-0	Terphenyl-d14	82.0		54 - 127		82%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	161000	7.802
1146-65-2	Naphthalene-d8	626000	10.572
15067-26-2	Acenaphthene-d10	389000	14.425
1517-22-2	Phenanthrene-d10	792000	17.225
1719-03-5	Chrysene-d12	857000	21.677
1520-96-3	Perylene-d12	970000	25.083

TENTATIVE IDENTIFIED COMPOUNDS

000994-05-8	Butane, 2-methoxy-2-methyl-	1100	J		3.04	ug/Kg
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	310	AB		4.95	ug/Kg
65-85-0	Benzoic acid	270	J		9.82	ug/Kg
000119-61-9	Benzophenone	150	J		15.8	ug/Kg
000057-10-3	n-Hexadecanoic acid	350	J		18.2	ug/Kg
001454-84-8	n-Nonadecanol-1	170	J		19.1	ug/Kg
018435-45-5	1-Nonadecene	150	J		20.3	ug/Kg

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-W	SDG No.:	Q2820
Lab Sample ID:	Q2820-08	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	89
Sample Wt/Vol:	30.08	Units:	g
Soil Aliquot Vol:			uL
Extraction Type :		Decanted :	N
Injection Volume :		GPC Factor :	1.0
Prep Method :	SW3541	Level :	LOW
		Final Vol:	1000 uL
		Test:	SVOC-TCL BNA -20
		GPC Cleanup :	N
		PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025383.D	1	08/12/25 09:15	08/13/25 14:04	PB169210

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
1000351-78-2	Heptacosyl acetate	400	J			21.3	ug/Kg

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

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	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
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

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	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
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)
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

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	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
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)
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

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	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
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)
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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

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	SOIL-DUP-2	SDG No.:	Q2820
Lab Sample ID:	Q2820-10	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	48.4
Sample Wt/Vol:	30.05 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
BP025408.D	1	08/13/25 09:05	08/15/25 01:00	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
100-52-7	Benzaldehyde	560	U	320	560	680	ug/Kg
108-95-2	Phenol	270	U	45.6	270	350	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	270	U	50.1	270	350	ug/Kg
95-57-8	2-Chlorophenol	270	U	50.3	270	350	ug/Kg
95-48-7	2-Methylphenol	270	U	61.7	270	350	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	270	U	77.4	270	350	ug/Kg
98-86-2	Acetophenone	270	U	60.8	270	350	ug/Kg
65794-96-9	3+4-Methylphenols	560	U	84.8	560	680	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	170	U	97.8	170	170	ug/Kg
67-72-1	Hexachloroethane	270	U	36.3	270	350	ug/Kg
98-95-3	Nitrobenzene	270	U	37.7	270	350	ug/Kg
78-59-1	Isophorone	270	U	67.7	270	350	ug/Kg
88-75-5	2-Nitrophenol	270	U	120	270	350	ug/Kg
105-67-9	2,4-Dimethylphenol	270	U	130	270	350	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	270	U	63.5	270	350	ug/Kg
120-83-2	2,4-Dichlorophenol	270	U	58.4	270	350	ug/Kg
91-20-3	Naphthalene	270	U	46.8	270	350	ug/Kg
106-47-8	4-Chloroaniline	270	U	73.0	270	350	ug/Kg
87-68-3	Hexachlorobutadiene	270	U	52.2	270	350	ug/Kg
105-60-2	Caprolactam	560	U	110	560	680	ug/Kg
59-50-7	4-Chloro-3-methylphenol	270	U	59.2	270	350	ug/Kg
91-57-6	2-Methylnaphthalene	270	U	52.8	270	350	ug/Kg
77-47-4	Hexachlorocyclopentadiene	560	U	240	560	680	ug/Kg
88-06-2	2,4,6-Trichlorophenol	270	U	40.8	270	350	ug/Kg
95-95-4	2,4,5-Trichlorophenol	270	U	60.0	270	350	ug/Kg
92-52-4	1,1-Biphenyl	270	U	45.0	270	350	ug/Kg
91-58-7	2-Chloronaphthalene	270	U	46.4	270	350	ug/Kg
88-74-4	2-Nitroaniline	270	U	99.2	270	350	ug/Kg
131-11-3	Dimethylphthalate	270	U	55.9	270	350	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	SOIL-DUP-2	SDG No.:	Q2820
Lab Sample ID:	Q2820-10	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	48.4
Sample Wt/Vol:	30.05 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
BP025408.D	1	08/13/25 09:05	08/15/25 01:00	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	270	U	59.6	270	350	ug/Kg
606-20-2	2,6-Dinitrotoluene	270	U	69.3	270	350	ug/Kg
99-09-2	3-Nitroaniline	270	U	94.9	270	350	ug/Kg
83-32-9	Acenaphthene	270	U	43.9	270	350	ug/Kg
51-28-5	2,4-Dinitrophenol	560	U	470	560	680	ug/Kg
100-02-7	4-Nitrophenol	560	U	220	560	680	ug/Kg
132-64-9	Dibenzofuran	270	U	46.8	270	350	ug/Kg
121-14-2	2,4-Dinitrotoluene	270	U	100	270	350	ug/Kg
84-66-2	Diethylphthalate	270	U	58.4	270	350	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	270	U	55.1	270	350	ug/Kg
86-73-7	Fluorene	270	U	52.2	270	350	ug/Kg
100-01-6	4-Nitroaniline	270	U	130	270	350	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	560	U	210	560	680	ug/Kg
86-30-6	n-Nitrosodiphenylamine	270	U	67.9	270	350	ug/Kg
101-55-3	4-Bromophenyl-phenylether	270	U	57.3	270	350	ug/Kg
118-74-1	Hexachlorobenzene	270	U	52.2	270	350	ug/Kg
1912-24-9	Atrazine	270	U	70.1	270	350	ug/Kg
87-86-5	Pentachlorophenol	560	U	110	560	680	ug/Kg
85-01-8	Phenanthrene	270	U	43.1	270	350	ug/Kg
120-12-7	Anthracene	270	U	68.7	270	350	ug/Kg
86-74-8	Carbazole	270	U	64.4	270	350	ug/Kg
84-74-2	Di-n-butylphthalate	270	U	98.8	270	350	ug/Kg
206-44-0	Fluoranthene	270	U	61.9	270	350	ug/Kg
129-00-0	Pyrene	270	U	74.3	270	350	ug/Kg
85-68-7	Butylbenzylphthalate	270	U	150	270	350	ug/Kg
91-94-1	3,3-Dichlorobenzidine	560	U	75.7	560	680	ug/Kg
56-55-3	Benzo(a)anthracene	270	U	47.4	270	350	ug/Kg
218-01-9	Chrysene	270	U	41.0	270	350	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	270	U	120	270	350	ug/Kg
117-84-0	Di-n-octyl phthalate	560	U	180	560	680	ug/Kg
205-99-2	Benzo(b)fluoranthene	270	U	39.2	270	350	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	SOIL-DUP-2	SDG No.:	Q2820
Lab Sample ID:	Q2820-10	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	48.4
Sample Wt/Vol:	30.05 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
BP025408.D	1	08/13/25 09:05	08/15/25 01:00	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	270	U	46.2	270	350	ug/Kg
50-32-8	Benzo(a)pyrene	270	U	60.8	270	350	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	270	U	60.0	270	350	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	270	U	56.5	270	350	ug/Kg
191-24-2	Benzo(g,h,i)perylene	270	U	53.0	270	350	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	270	U	52.8	270	350	ug/Kg
123-91-1	1,4-Dioxane	270	U	93.2	270	350	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	270	U	56.5	270	350	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	123		35 - 115		82%	SPK: 150
13127-88-3	Phenol-d6	127		34 - 127		85%	SPK: 150
4165-60-0	Nitrobenzene-d5	74.9		37 - 122		75%	SPK: 100
321-60-8	2-Fluorobiphenyl	66.4		44 - 115		66%	SPK: 100
118-79-6	2,4,6-Tribromophenol	134		39 - 132		89%	SPK: 150
1718-51-0	Terphenyl-d14	66.5		54 - 127		67%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	131000	7.79
1146-65-2	Naphthalene-d8	528000	10.555
15067-26-2	Acenaphthene-d10	362000	14.401
1517-22-2	Phenanthrene-d10	769000	17.201
1719-03-5	Chrysene-d12	879000	21.636
1520-96-3	Perylene-d12	983000	24.983

TENTATIVE IDENTIFIED COMPOUNDS

000994-05-8	Butane, 2-methoxy-2-methyl-	3200	J		3.04	ug/Kg
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	540	AB		4.95	ug/Kg
000119-61-9	Benzophenone	490	J		15.8	ug/Kg
000057-10-3	n-Hexadecanoic acid	1000	J		18.1	ug/Kg
000057-11-4	Octadecanoic acid	590	J		19.5	ug/Kg
053057-53-7	1,21-Docosadiene	570	J		21.0	ug/Kg
010192-32-2	1-Tetracosene	680	J		21.3	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	SOIL-DUP-2	SDG No.:	Q2820
Lab Sample ID:	Q2820-10	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	48.4
Sample Wt/Vol:	30.05 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
BP025408.D	1	08/13/25 09:05	08/15/25 01:00	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
014811-95-1	1,19-Eicosadiene	570	J			22.2	ug/Kg
018835-33-1	1-Hexacosene	240	J			22.6	ug/Kg
026627-85-0	Hexacosanal	210	J			23.7	ug/Kg

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

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	10PC-W	SDG No.:	Q2820
Lab Sample ID:	Q2820-11	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	92.4
Sample Wt/Vol:	30.09 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
BP025409.D	1	08/13/25 09:05	08/15/25 01:41	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
100-52-7	Benzaldehyde	290	U	170	290	360	ug/Kg
108-95-2	Phenol	140	U	23.8	140	180	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	140	U	26.2	140	180	ug/Kg
95-57-8	2-Chlorophenol	140	U	26.3	140	180	ug/Kg
95-48-7	2-Methylphenol	140	U	32.3	140	180	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	140	U	40.5	140	180	ug/Kg
98-86-2	Acetophenone	140	U	31.8	140	180	ug/Kg
65794-96-9	3+4-Methylphenols	290	U	44.3	290	360	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	86.3	U	51.1	86.3	86.3	ug/Kg
67-72-1	Hexachloroethane	140	U	19.0	140	180	ug/Kg
98-95-3	Nitrobenzene	140	U	19.7	140	180	ug/Kg
78-59-1	Isophorone	140	U	35.4	140	180	ug/Kg
88-75-5	2-Nitrophenol	140	U	62.8	140	180	ug/Kg
105-67-9	2,4-Dimethylphenol	140	U	69.9	140	180	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	140	U	33.2	140	180	ug/Kg
120-83-2	2,4-Dichlorophenol	140	U	30.5	140	180	ug/Kg
91-20-3	Naphthalene	140	U	24.5	140	180	ug/Kg
106-47-8	4-Chloroaniline	140	U	38.2	140	180	ug/Kg
87-68-3	Hexachlorobutadiene	140	U	27.3	140	180	ug/Kg
105-60-2	Caprolactam	290	U	56.2	290	360	ug/Kg
59-50-7	4-Chloro-3-methylphenol	140	U	31.0	140	180	ug/Kg
91-57-6	2-Methylnaphthalene	140	U	27.6	140	180	ug/Kg
77-47-4	Hexachlorocyclopentadiene	290	U	130	290	360	ug/Kg
88-06-2	2,4,6-Trichlorophenol	140	U	21.4	140	180	ug/Kg
95-95-4	2,4,5-Trichlorophenol	140	U	31.4	140	180	ug/Kg
92-52-4	1,1-Biphenyl	140	U	23.5	140	180	ug/Kg
91-58-7	2-Chloronaphthalene	140	U	24.3	140	180	ug/Kg
88-74-4	2-Nitroaniline	140	U	51.9	140	180	ug/Kg
131-11-3	Dimethylphthalate	140	U	29.2	140	180	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	10PC-W	SDG No.:	Q2820
Lab Sample ID:	Q2820-11	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	92.4
Sample Wt/Vol:	30.09 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
BP025409.D	1	08/13/25 09:05	08/15/25 01:41	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	140	U	31.2	140	180	ug/Kg
606-20-2	2,6-Dinitrotoluene	140	U	36.3	140	180	ug/Kg
99-09-2	3-Nitroaniline	140	U	49.6	140	180	ug/Kg
83-32-9	Acenaphthene	140	U	23.0	140	180	ug/Kg
51-28-5	2,4-Dinitrophenol	290	U	250	290	360	ug/Kg
100-02-7	4-Nitrophenol	290	U	120	290	360	ug/Kg
132-64-9	Dibenzofuran	140	U	24.5	140	180	ug/Kg
121-14-2	2,4-Dinitrotoluene	140	U	54.1	140	180	ug/Kg
84-66-2	Diethylphthalate	140	U	30.5	140	180	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	140	U	28.8	140	180	ug/Kg
86-73-7	Fluorene	140	U	27.3	140	180	ug/Kg
100-01-6	4-Nitroaniline	140	U	69.3	140	180	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	290	U	110	290	360	ug/Kg
86-30-6	n-Nitrosodiphenylamine	140	U	35.5	140	180	ug/Kg
101-55-3	4-Bromophenyl-phenylether	140	U	30.0	140	180	ug/Kg
118-74-1	Hexachlorobenzene	140	U	27.3	140	180	ug/Kg
1912-24-9	Atrazine	140	U	36.7	140	180	ug/Kg
87-86-5	Pentachlorophenol	290	U	55.4	290	360	ug/Kg
85-01-8	Phenanthrene	140	U	22.6	140	180	ug/Kg
120-12-7	Anthracene	140	U	35.9	140	180	ug/Kg
86-74-8	Carbazole	140	U	33.7	140	180	ug/Kg
84-74-2	Di-n-butylphthalate	140	U	51.7	140	180	ug/Kg
206-44-0	Fluoranthene	140	U	32.4	140	180	ug/Kg
129-00-0	Pyrene	140	U	38.8	140	180	ug/Kg
85-68-7	Butylbenzylphthalate	140	U	77.0	140	180	ug/Kg
91-94-1	3,3-Dichlorobenzidine	290	U	39.6	290	360	ug/Kg
56-55-3	Benzo(a)anthracene	140	U	24.8	140	180	ug/Kg
218-01-9	Chrysene	140	U	21.5	140	180	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	140	U	63.9	140	180	ug/Kg
117-84-0	Di-n-octyl phthalate	290	U	93.7	290	360	ug/Kg
205-99-2	Benzo(b)fluoranthene	140	U	20.5	140	180	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	10PC-W	SDG No.:	Q2820
Lab Sample ID:	Q2820-11	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	92.4
Sample Wt/Vol:	30.09 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
BP025409.D	1	08/13/25 09:05	08/15/25 01:41	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	140	U	24.2	140	180	ug/Kg
50-32-8	Benzo(a)pyrene	140	U	31.8	140	180	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	140	U	31.4	140	180	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	140	U	29.6	140	180	ug/Kg
191-24-2	Benzo(g,h,i)perylene	140	U	27.7	140	180	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	140	U	27.6	140	180	ug/Kg
123-91-1	1,4-Dioxane	140	U	48.8	140	180	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	140	U	29.6	140	180	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	80.8		35 - 115		54%	SPK: 150
13127-88-3	Phenol-d6	82.1		34 - 127		55%	SPK: 150
4165-60-0	Nitrobenzene-d5	50.5		37 - 122		50%	SPK: 100
321-60-8	2-Fluorobiphenyl	51.0		44 - 115		51%	SPK: 100
118-79-6	2,4,6-Tribromophenol	86.7		39 - 132		58%	SPK: 150
1718-51-0	Terphenyl-d14	50.3	*	54 - 127		50%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	139000	7.789
1146-65-2	Naphthalene-d8	560000	10.566
15067-26-2	Acenaphthene-d10	368000	14.407
1517-22-2	Phenanthrene-d10	771000	17.201
1719-03-5	Chrysene-d12	900000	21.636
1520-96-3	Perylene-d12	1010000	25.012

TENTATIVE IDENTIFIED COMPOUNDS

000994-05-8	Butane, 2-methoxy-2-methyl-	940	J		3.04	ug/Kg
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	180	AB		4.95	ug/Kg
000119-61-9	Benzophenone	270	J		15.8	ug/Kg
000057-10-3	n-Hexadecanoic acid	200	J		18.1	ug/Kg
959261-25-7	Pentafluoropropionic acid, octadec	190	J		21.3	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	10PC-W	SDG No.:	Q2820
Lab Sample ID:	Q2820-11	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	92.4
Sample Wt/Vol:	30.09	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	SVOC-TCL BNA -20
	Decanted :	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
BP025409.D	1	08/13/25 09:05	08/15/25 01:41	PB169228

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

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	10PC-S	SDG No.:	Q2820
Lab Sample ID:	Q2820-12	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	92.1
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
BF143521.D	1	08/13/25 09:05	08/21/25 10:49	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
100-52-7	Benzaldehyde	290	U	170	290	360	ug/Kg
108-95-2	Phenol	140	U	24.0	140	180	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	140	U	26.4	140	180	ug/Kg
95-57-8	2-Chlorophenol	140	U	26.5	140	180	ug/Kg
95-48-7	2-Methylphenol	140	U	32.5	140	180	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	140	U	40.7	140	180	ug/Kg
98-86-2	Acetophenone	140	U	32.0	140	180	ug/Kg
65794-96-9	3+4-Methylphenols	290	U	44.6	290	360	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	86.8	U	51.4	86.8	86.8	ug/Kg
67-72-1	Hexachloroethane	140	U	19.1	140	180	ug/Kg
98-95-3	Nitrobenzene	140	U	19.9	140	180	ug/Kg
78-59-1	Isophorone	140	U	35.6	140	180	ug/Kg
88-75-5	2-Nitrophenol	140	U	63.2	140	180	ug/Kg
105-67-9	2,4-Dimethylphenol	140	U	70.3	140	180	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	140	U	33.4	140	180	ug/Kg
120-83-2	2,4-Dichlorophenol	140	U	30.7	140	180	ug/Kg
91-20-3	Naphthalene	140	U	24.6	140	180	ug/Kg
106-47-8	4-Chloroaniline	140	U	38.4	140	180	ug/Kg
87-68-3	Hexachlorobutadiene	140	U	27.5	140	180	ug/Kg
105-60-2	Caprolactam	290	U	56.6	290	360	ug/Kg
59-50-7	4-Chloro-3-methylphenol	140	U	31.2	140	180	ug/Kg
91-57-6	2-Methylnaphthalene	140	U	27.8	140	180	ug/Kg
77-47-4	Hexachlorocyclopentadiene	290	U	130	290	360	ug/Kg
88-06-2	2,4,6-Trichlorophenol	140	U	21.5	140	180	ug/Kg
95-95-4	2,4,5-Trichlorophenol	140	U	31.6	140	180	ug/Kg
92-52-4	1,1-Biphenyl	140	U	23.7	140	180	ug/Kg
91-58-7	2-Chloronaphthalene	140	U	24.4	140	180	ug/Kg
88-74-4	2-Nitroaniline	140	U	52.2	140	180	ug/Kg
131-11-3	Dimethylphthalate	140	U	29.4	140	180	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	10PC-S	SDG No.:	Q2820
Lab Sample ID:	Q2820-12	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	92.1
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
BF143521.D	1	08/13/25 09:05	08/21/25 10:49	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	140	U	31.4	140	180	ug/Kg
606-20-2	2,6-Dinitrotoluene	140	U	36.5	140	180	ug/Kg
99-09-2	3-Nitroaniline	140	U	49.9	140	180	ug/Kg
83-32-9	Acenaphthene	140	U	23.1	140	180	ug/Kg
51-28-5	2,4-Dinitrophenol	290	U	250	290	360	ug/Kg
100-02-7	4-Nitrophenol	290	U	120	290	360	ug/Kg
132-64-9	Dibenzofuran	140	U	24.6	140	180	ug/Kg
121-14-2	2,4-Dinitrotoluene	140	U	54.4	140	180	ug/Kg
84-66-2	Diethylphthalate	140	U	30.7	140	180	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	140	U	29.0	140	180	ug/Kg
86-73-7	Fluorene	140	U	27.5	140	180	ug/Kg
100-01-6	4-Nitroaniline	140	U	69.7	140	180	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	290	U	110	290	360	ug/Kg
86-30-6	n-Nitrosodiphenylamine	140	U	35.7	140	180	ug/Kg
101-55-3	4-Bromophenyl-phenylether	140	U	30.2	140	180	ug/Kg
118-74-1	Hexachlorobenzene	140	U	27.5	140	180	ug/Kg
1912-24-9	Atrazine	140	U	36.9	140	180	ug/Kg
87-86-5	Pentachlorophenol	290	U	55.7	290	360	ug/Kg
85-01-8	Phenanthrene	140	U	22.7	140	180	ug/Kg
120-12-7	Anthracene	140	U	36.1	140	180	ug/Kg
86-74-8	Carbazole	140	U	33.9	140	180	ug/Kg
84-74-2	Di-n-butylphthalate	140	U	52.0	140	180	ug/Kg
206-44-0	Fluoranthene	140	U	32.6	140	180	ug/Kg
129-00-0	Pyrene	140	U	39.1	140	180	ug/Kg
85-68-7	Butylbenzylphthalate	140	U	77.5	140	180	ug/Kg
91-94-1	3,3-Dichlorobenzidine	290	U	39.8	290	360	ug/Kg
56-55-3	Benzo(a)anthracene	140	U	25.0	140	180	ug/Kg
218-01-9	Chrysene	140	U	21.6	140	180	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	140	U	64.3	140	180	ug/Kg
117-84-0	Di-n-octyl phthalate	290	U	94.2	290	360	ug/Kg
205-99-2	Benzo(b)fluoranthene	140	U	20.6	140	180	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	10PC-S	SDG No.:	Q2820
Lab Sample ID:	Q2820-12	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	92.1
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
BF143521.D	1	08/13/25 09:05	08/21/25 10:49	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	140	U	24.3	140	180	ug/Kg
50-32-8	Benzo(a)pyrene	140	U	32.0	140	180	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	140	U	31.6	140	180	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	140	U	29.7	140	180	ug/Kg
191-24-2	Benzo(g,h,i)perylene	140	U	27.9	140	180	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	140	U	27.8	140	180	ug/Kg
123-91-1	1,4-Dioxane	140	U	49.1	140	180	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	140	U	29.7	140	180	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	84.4		35 - 115		56%	SPK: 150
13127-88-3	Phenol-d6	87.0		34 - 127		58%	SPK: 150
4165-60-0	Nitrobenzene-d5	60.8		37 - 122		61%	SPK: 100
321-60-8	2-Fluorobiphenyl	63.3		44 - 115		63%	SPK: 100
118-79-6	2,4,6-Tribromophenol	87.4		39 - 132		58%	SPK: 150
1718-51-0	Terphenyl-d14	61.6		54 - 127		62%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	116000	6.928
1146-65-2	Naphthalene-d8	448000	8.204
15067-26-2	Acenaphthene-d10	238000	9.963
1517-22-2	Phenanthrene-d10	358000	11.451
1719-03-5	Chrysene-d12	211000	14.092
1520-96-3	Perylene-d12	256000	15.592

TENTATIVE IDENTIFIED COMPOUNDS

000994-05-8	Butane, 2-methoxy-2-methyl-	1300	J		2.26	ug/Kg
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	220	AB		5.16	ug/Kg
000119-61-9	Benzophenone	240	J		10.7	ug/Kg
000629-94-7	Heneicosane	79.6	J		16.1	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	10PC-S	SDG No.:	Q2820
Lab Sample ID:	Q2820-12	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	92.1
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
BF143521.D	1	08/13/25 09:05	08/21/25 10:49	PB169228

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

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	10P-W	SDG No.:	Q2820
Lab Sample ID:	Q2820-13	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	91.2
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
BP025501.D	1	08/13/25 09:05	08/20/25 09:19	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
100-52-7	Benzaldehyde	300	U	170	300	360	ug/Kg
108-95-2	Phenol	140	U	24.2	140	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	140	U	26.6	140	190	ug/Kg
95-57-8	2-Chlorophenol	140	U	26.7	140	190	ug/Kg
95-48-7	2-Methylphenol	140	U	32.8	140	190	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	140	U	41.1	140	190	ug/Kg
98-86-2	Acetophenone	140	U	32.3	140	190	ug/Kg
65794-96-9	3+4-Methylphenols	300	U	45.0	300	360	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	87.6	U	51.9	87.6	87.6	ug/Kg
67-72-1	Hexachloroethane	140	U	19.3	140	190	ug/Kg
98-95-3	Nitrobenzene	140	U	20.0	140	190	ug/Kg
78-59-1	Isophorone	140	U	35.9	140	190	ug/Kg
88-75-5	2-Nitrophenol	140	U	63.8	140	190	ug/Kg
105-67-9	2,4-Dimethylphenol	140	U	71.0	140	190	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	140	U	33.7	140	190	ug/Kg
120-83-2	2,4-Dichlorophenol	140	U	31.0	140	190	ug/Kg
91-20-3	Naphthalene	140	U	24.9	140	190	ug/Kg
106-47-8	4-Chloroaniline	140	U	38.8	140	190	ug/Kg
87-68-3	Hexachlorobutadiene	140	U	27.7	140	190	ug/Kg
105-60-2	Caprolactam	300	U	57.1	300	360	ug/Kg
59-50-7	4-Chloro-3-methylphenol	140	U	31.4	140	190	ug/Kg
91-57-6	2-Methylnaphthalene	140	U	28.0	140	190	ug/Kg
77-47-4	Hexachlorocyclopentadiene	300	U	130	300	360	ug/Kg
88-06-2	2,4,6-Trichlorophenol	140	U	21.7	140	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	140	U	31.9	140	190	ug/Kg
92-52-4	1,1-Biphenyl	140	U	23.9	140	190	ug/Kg
91-58-7	2-Chloronaphthalene	140	U	24.6	140	190	ug/Kg
88-74-4	2-Nitroaniline	140	U	52.7	140	190	ug/Kg
131-11-3	Dimethylphthalate	140	U	29.7	140	190	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	10P-W	SDG No.:	Q2820
Lab Sample ID:	Q2820-13	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	91.2
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
BP025501.D	1	08/13/25 09:05	08/20/25 09:19	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	140	U	31.7	140	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	140	U	36.8	140	190	ug/Kg
99-09-2	3-Nitroaniline	140	U	50.4	140	190	ug/Kg
83-32-9	Acenaphthene	140	U	23.3	140	190	ug/Kg
51-28-5	2,4-Dinitrophenol	300	U	250	300	360	ug/Kg
100-02-7	4-Nitrophenol	300	U	120	300	360	ug/Kg
132-64-9	Dibenzofuran	140	U	24.9	140	190	ug/Kg
121-14-2	2,4-Dinitrotoluene	140	U	54.9	140	190	ug/Kg
84-66-2	Diethylphthalate	140	U	31.0	140	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	140	U	29.2	140	190	ug/Kg
86-73-7	Fluorene	140	U	27.7	140	190	ug/Kg
100-01-6	4-Nitroaniline	140	U	70.3	140	190	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	300	U	110	300	360	ug/Kg
86-30-6	n-Nitrosodiphenylamine	140	U	36.0	140	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	140	U	30.5	140	190	ug/Kg
118-74-1	Hexachlorobenzene	140	U	27.7	140	190	ug/Kg
1912-24-9	Atrazine	140	U	37.2	140	190	ug/Kg
87-86-5	Pentachlorophenol	300	U	56.2	300	360	ug/Kg
85-01-8	Phenanthrene	140	U	22.9	140	190	ug/Kg
120-12-7	Anthracene	140	U	36.5	140	190	ug/Kg
86-74-8	Carbazole	140	U	34.2	140	190	ug/Kg
84-74-2	Di-n-butylphthalate	140	U	52.5	140	190	ug/Kg
206-44-0	Fluoranthene	140	U	32.9	140	190	ug/Kg
129-00-0	Pyrene	140	U	39.4	140	190	ug/Kg
85-68-7	Butylbenzylphthalate	140	U	78.2	140	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	300	U	40.2	300	360	ug/Kg
56-55-3	Benzo(a)anthracene	140	U	25.2	140	190	ug/Kg
218-01-9	Chrysene	140	U	21.8	140	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	140	U	64.8	140	190	ug/Kg
117-84-0	Di-n-octyl phthalate	300	U	95.1	300	360	ug/Kg
205-99-2	Benzo(b)fluoranthene	140	U	20.8	140	190	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	10P-W	SDG No.:	Q2820
Lab Sample ID:	Q2820-13	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	91.2
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
BP025501.D	1	08/13/25 09:05	08/20/25 09:19	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	140	U	24.5	140	190	ug/Kg
50-32-8	Benzo(a)pyrene	140	U	32.3	140	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	140	U	31.9	140	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	140	U	30.0	140	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	140	U	28.2	140	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	140	U	28.0	140	190	ug/Kg
123-91-1	1,4-Dioxane	140	U	49.5	140	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	140	U	30.0	140	190	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	90.8		35 - 115		61%	SPK: 150
13127-88-3	Phenol-d6	92.1		34 - 127		61%	SPK: 150
4165-60-0	Nitrobenzene-d5	58.8		37 - 122		59%	SPK: 100
321-60-8	2-Fluorobiphenyl	55.5		44 - 115		56%	SPK: 100
118-79-6	2,4,6-Tribromophenol	96.7		39 - 132		64%	SPK: 150
1718-51-0	Terphenyl-d14	55.1		54 - 127		55%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	145000	7.784
1146-65-2	Naphthalene-d8	568000	10.554
15067-26-2	Acenaphthene-d10	385000	14.407
1517-22-2	Phenanthrene-d10	796000	17.201
1719-03-5	Chrysene-d12	860000	21.648
1520-96-3	Perylene-d12	921000	25.012

TENTATIVE IDENTIFIED COMPOUNDS

000994-05-8	Butane, 2-methoxy-2-methyl-	1100	J		3.04	ug/Kg
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	230	AB		4.95	ug/Kg
000119-61-9	Benzophenone	320	J		15.8	ug/Kg
000057-10-3	n-Hexadecanoic acid	270	J		18.1	ug/Kg
000110-34-9	Hexadecanoic acid, 2-methylpropyl	160	J		19.4	ug/Kg
000057-11-4	Octadecanoic acid	86.9	J		19.5	ug/Kg
000111-06-8	Hexadecanoic acid, butyl ester	260	J		19.6	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	10P-W	SDG No.:	Q2820
Lab Sample ID:	Q2820-13	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	91.2
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
BP025501.D	1	08/13/25 09:05	08/20/25 09:19	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
000646-13-9	Octadecanoic acid, 2-methylpropyl	88.4	J			20.5	ug/Kg
000123-95-5	Octadecanoic acid, butyl ester	210	J			20.7	ug/Kg
000112-88-9	1-Octadecene	310	J			21.3	ug/Kg
000629-78-7	Heptadecane	82.2	J			21.9	ug/Kg
000297-03-0	Cyclotetracosane	200	J			22.6	ug/Kg
070475-51-3	9-Methylheneicosane	82.5	J			23.3	ug/Kg

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

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	10P-E	SDG No.:	Q2820
Lab Sample ID:	Q2820-14	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	81.3
Sample Wt/Vol:	30.08 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
BP025412.D	1	08/13/25 09:05	08/15/25 03:45	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
100-52-7	Benzaldehyde	330	U	190	330	400	ug/Kg
108-95-2	Phenol	160	U	27.1	160	210	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	160	U	29.8	160	210	ug/Kg
95-57-8	2-Chlorophenol	160	U	29.9	160	210	ug/Kg
95-48-7	2-Methylphenol	160	U	36.7	160	210	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	160	U	46.0	160	210	ug/Kg
98-86-2	Acetophenone	160	U	36.2	160	210	ug/Kg
65794-96-9	3+4-Methylphenols	330	U	50.4	330	400	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	98.1	U	58.1	98.1	98.1	ug/Kg
67-72-1	Hexachloroethane	160	U	21.6	160	210	ug/Kg
98-95-3	Nitrobenzene	160	U	22.4	160	210	ug/Kg
78-59-1	Isophorone	160	U	40.2	160	210	ug/Kg
88-75-5	2-Nitrophenol	160	U	71.4	160	210	ug/Kg
105-67-9	2,4-Dimethylphenol	160	U	79.5	160	210	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	160	U	37.8	160	210	ug/Kg
120-83-2	2,4-Dichlorophenol	160	U	34.7	160	210	ug/Kg
91-20-3	Naphthalene	160	U	27.8	160	210	ug/Kg
106-47-8	4-Chloroaniline	160	U	43.4	160	210	ug/Kg
87-68-3	Hexachlorobutadiene	160	U	31.0	160	210	ug/Kg
105-60-2	Caprolactam	330	U	63.9	330	400	ug/Kg
59-50-7	4-Chloro-3-methylphenol	160	U	35.2	160	210	ug/Kg
91-57-6	2-Methylnaphthalene	160	U	31.4	160	210	ug/Kg
77-47-4	Hexachlorocyclopentadiene	330	U	140	330	400	ug/Kg
88-06-2	2,4,6-Trichlorophenol	160	U	24.3	160	210	ug/Kg
95-95-4	2,4,5-Trichlorophenol	160	U	35.7	160	210	ug/Kg
92-52-4	1,1-Biphenyl	160	U	26.7	160	210	ug/Kg
91-58-7	2-Chloronaphthalene	160	U	27.6	160	210	ug/Kg
88-74-4	2-Nitroaniline	160	U	59.0	160	210	ug/Kg
131-11-3	Dimethylphthalate	160	U	33.2	160	210	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	10P-E	SDG No.:	Q2820
Lab Sample ID:	Q2820-14	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	81.3
Sample Wt/Vol:	30.08 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
BP025412.D	1	08/13/25 09:05	08/15/25 03:45	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	160	U	35.5	160	210	ug/Kg
606-20-2	2,6-Dinitrotoluene	160	U	41.2	160	210	ug/Kg
99-09-2	3-Nitroaniline	160	U	56.4	160	210	ug/Kg
83-32-9	Acenaphthene	160	U	26.1	160	210	ug/Kg
51-28-5	2,4-Dinitrophenol	330	U	280	330	400	ug/Kg
100-02-7	4-Nitrophenol	330	U	130	330	400	ug/Kg
132-64-9	Dibenzofuran	160	U	27.8	160	210	ug/Kg
121-14-2	2,4-Dinitrotoluene	160	U	61.5	160	210	ug/Kg
84-66-2	Diethylphthalate	160	U	34.7	160	210	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	160	U	32.8	160	210	ug/Kg
86-73-7	Fluorene	160	U	31.0	160	210	ug/Kg
100-01-6	4-Nitroaniline	160	U	78.8	160	210	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	330	U	130	330	400	ug/Kg
86-30-6	n-Nitrosodiphenylamine	160	U	40.4	160	210	ug/Kg
101-55-3	4-Bromophenyl-phenylether	160	U	34.1	160	210	ug/Kg
118-74-1	Hexachlorobenzene	160	U	31.0	160	210	ug/Kg
1912-24-9	Atrazine	160	U	41.7	160	210	ug/Kg
87-86-5	Pentachlorophenol	330	U	62.9	330	400	ug/Kg
85-01-8	Phenanthrene	160	U	25.6	160	210	ug/Kg
120-12-7	Anthracene	160	U	40.9	160	210	ug/Kg
86-74-8	Carbazole	160	U	38.3	160	210	ug/Kg
84-74-2	Di-n-butylphthalate	160	U	58.8	160	210	ug/Kg
206-44-0	Fluoranthene	160	U	36.8	160	210	ug/Kg
129-00-0	Pyrene	160	U	44.2	160	210	ug/Kg
85-68-7	Butylbenzylphthalate	160	U	87.6	160	210	ug/Kg
91-94-1	3,3-Dichlorobenzidine	330	U	45.0	330	400	ug/Kg
56-55-3	Benzo(a)anthracene	160	U	28.2	160	210	ug/Kg
218-01-9	Chrysene	160	U	24.4	160	210	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	160	U	72.6	160	210	ug/Kg
117-84-0	Di-n-octyl phthalate	330	U	110	330	400	ug/Kg
205-99-2	Benzo(b)fluoranthene	160	U	23.3	160	210	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	10P-E	SDG No.:	Q2820
Lab Sample ID:	Q2820-14	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	81.3
Sample Wt/Vol:	30.08 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
BP025412.D	1	08/13/25 09:05	08/15/25 03:45	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	160	U	27.5	160	210	ug/Kg
50-32-8	Benzo(a)pyrene	160	U	36.2	160	210	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	160	U	35.7	160	210	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	160	U	33.6	160	210	ug/Kg
191-24-2	Benzo(g,h,i)perylene	160	U	31.5	160	210	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	160	U	31.4	160	210	ug/Kg
123-91-1	1,4-Dioxane	160	U	55.4	160	210	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	160	U	33.6	160	210	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	85.8		35 - 115		57%	SPK: 150
13127-88-3	Phenol-d6	87.1		34 - 127		58%	SPK: 150
4165-60-0	Nitrobenzene-d5	52.5		37 - 122		52%	SPK: 100
321-60-8	2-Fluorobiphenyl	50.6		44 - 115		51%	SPK: 100
118-79-6	2,4,6-Tribromophenol	88.4		39 - 132		59%	SPK: 150
1718-51-0	Terphenyl-d14	51.5	*	54 - 127		51%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	135000	7.79
1146-65-2	Naphthalene-d8	552000	10.554
15067-26-2	Acenaphthene-d10	388000	14.395
1517-22-2	Phenanthrene-d10	804000	17.189
1719-03-5	Chrysene-d12	864000	21.624
1520-96-3	Perylene-d12	962000	25.001

TENTATIVE IDENTIFIED COMPOUNDS

000994-05-8	Butane, 2-methoxy-2-methyl-	1200	J		3.04	ug/Kg
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	210	AB		4.95	ug/Kg
000119-61-9	Benzophenone	290	J		15.8	ug/Kg
000057-10-3	n-Hexadecanoic acid	210	J		18.1	ug/Kg
006385-15-5	Heptafluorobutyric acid, hexadecyl	190	J		21.3	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	10P-E	SDG No.:	Q2820
Lab Sample ID:	Q2820-14	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	81.3
Sample Wt/Vol:	30.08	Units:	g
Soil Aliquot Vol:			uL
Extraction Type :		Decanted :	N
Injection Volume :		GPC Factor :	1.0
Prep Method :	SW3541	Final Vol:	1000
		Test:	SVOC-TCL BNA -20
		Level :	LOW
		GPC Cleanup :	N
		PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025412.D	1	08/13/25 09:05	08/15/25 03:45	PB169228

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

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	10P-S	SDG No.:	Q2820
Lab Sample ID:	Q2820-15	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	88.5
Sample Wt/Vol:	30.06 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
BP025541.D	2	08/13/25 09:05	08/21/25 15:37	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
100-52-7	Benzaldehyde	610	U	350	610	740	ug/Kg
108-95-2	Phenol	290	U	49.8	290	380	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	290	U	54.8	290	380	ug/Kg
95-57-8	2-Chlorophenol	290	U	55.0	290	380	ug/Kg
95-48-7	2-Methylphenol	290	U	67.4	290	380	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	290	U	84.6	290	380	ug/Kg
98-86-2	Acetophenone	290	U	66.5	290	380	ug/Kg
65794-96-9	3+4-Methylphenols	610	U	92.7	610	740	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	180	U	110	180	180	ug/Kg
67-72-1	Hexachloroethane	290	U	39.7	290	380	ug/Kg
98-95-3	Nitrobenzene	290	U	41.3	290	380	ug/Kg
78-59-1	Isophorone	290	U	74.0	290	380	ug/Kg
88-75-5	2-Nitrophenol	290	U	130	290	380	ug/Kg
105-67-9	2,4-Dimethylphenol	290	U	150	290	380	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	290	U	69.5	290	380	ug/Kg
120-83-2	2,4-Dichlorophenol	290	U	63.8	290	380	ug/Kg
91-20-3	Naphthalene	290	U	51.2	290	380	ug/Kg
106-47-8	4-Chloroaniline	290	U	79.8	290	380	ug/Kg
87-68-3	Hexachlorobutadiene	290	U	57.1	290	380	ug/Kg
105-60-2	Caprolactam	610	U	120	610	740	ug/Kg
59-50-7	4-Chloro-3-methylphenol	290	U	64.7	290	380	ug/Kg
91-57-6	2-Methylnaphthalene	290	U	57.7	290	380	ug/Kg
77-47-4	Hexachlorocyclopentadiene	610	U	260	610	740	ug/Kg
88-06-2	2,4,6-Trichlorophenol	290	U	44.7	290	380	ug/Kg
95-95-4	2,4,5-Trichlorophenol	290	U	65.6	290	380	ug/Kg
92-52-4	1,1-Biphenyl	290	U	49.2	290	380	ug/Kg
91-58-7	2-Chloronaphthalene	290	U	50.7	290	380	ug/Kg
88-74-4	2-Nitroaniline	290	U	110	290	380	ug/Kg
131-11-3	Dimethylphthalate	290	U	61.1	290	380	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	10P-S	SDG No.:	Q2820
Lab Sample ID:	Q2820-15	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	88.5
Sample Wt/Vol:	30.06 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
BP025541.D	2	08/13/25 09:05	08/21/25 15:37	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	290	U	65.2	290	380	ug/Kg
606-20-2	2,6-Dinitrotoluene	290	U	75.8	290	380	ug/Kg
99-09-2	3-Nitroaniline	290	U	100	290	380	ug/Kg
83-32-9	Acenaphthene	290	U	48.0	290	380	ug/Kg
51-28-5	2,4-Dinitrophenol	610	U	520	610	740	ug/Kg
100-02-7	4-Nitrophenol	610	U	240	610	740	ug/Kg
132-64-9	Dibenzofuran	290	U	51.2	290	380	ug/Kg
121-14-2	2,4-Dinitrotoluene	290	U	110	290	380	ug/Kg
84-66-2	Diethylphthalate	290	U	63.8	290	380	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	290	U	60.2	290	380	ug/Kg
86-73-7	Fluorene	290	U	57.1	290	380	ug/Kg
100-01-6	4-Nitroaniline	290	U	140	290	380	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	610	U	230	610	740	ug/Kg
86-30-6	n-Nitrosodiphenylamine	290	U	74.2	290	380	ug/Kg
101-55-3	4-Bromophenyl-phenylether	290	U	62.7	290	380	ug/Kg
118-74-1	Hexachlorobenzene	290	U	57.1	290	380	ug/Kg
1912-24-9	Atrazine	290	U	76.7	290	380	ug/Kg
87-86-5	Pentachlorophenol	610	U	120	610	740	ug/Kg
85-01-8	Phenanthrene	290	U	47.1	290	380	ug/Kg
120-12-7	Anthracene	290	U	75.1	290	380	ug/Kg
86-74-8	Carbazole	290	U	70.4	290	380	ug/Kg
84-74-2	Di-n-butylphthalate	290	U	110	290	380	ug/Kg
206-44-0	Fluoranthene	290	U	67.7	290	380	ug/Kg
129-00-0	Pyrene	290	U	81.2	290	380	ug/Kg
85-68-7	Butylbenzylphthalate	290	U	160	290	380	ug/Kg
91-94-1	3,3-Dichlorobenzidine	610	U	82.8	610	740	ug/Kg
56-55-3	Benzo(a)anthracene	290	U	51.9	290	380	ug/Kg
218-01-9	Chrysene	290	U	44.9	290	380	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	290	U	130	290	380	ug/Kg
117-84-0	Di-n-octyl phthalate	610	U	200	610	740	ug/Kg
205-99-2	Benzo(b)fluoranthene	290	U	42.9	290	380	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	10P-S	SDG No.:	Q2820
Lab Sample ID:	Q2820-15	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	88.5
Sample Wt/Vol:	30.06 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
BP025541.D	2	08/13/25 09:05	08/21/25 15:37	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	290	U	50.5	290	380	ug/Kg
50-32-8	Benzo(a)pyrene	290	U	66.5	290	380	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	290	U	65.6	290	380	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	290	U	61.8	290	380	ug/Kg
191-24-2	Benzo(g,h,i)perylene	290	U	58.0	290	380	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	290	U	57.7	290	380	ug/Kg
123-91-1	1,4-Dioxane	290	U	100	290	380	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	290	U	61.8	290	380	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	99.3		35 - 115		66%	SPK: 150
13127-88-3	Phenol-d6	95.8		34 - 127		64%	SPK: 150
4165-60-0	Nitrobenzene-d5	70.0		37 - 122		70%	SPK: 100
321-60-8	2-Fluorobiphenyl	64.0		44 - 115		64%	SPK: 100
118-79-6	2,4,6-Tribromophenol	88.5		39 - 132		59%	SPK: 150
1718-51-0	Terphenyl-d14	55.5		54 - 127		55%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	242000	7.784
1146-65-2	Naphthalene-d8	874000	10.56
15067-26-2	Acenaphthene-d10	479000	14.395
1517-22-2	Phenanthrene-d10	887000	17.201
1719-03-5	Chrysene-d12	949000	21.654
1520-96-3	Perylene-d12	1100000	25.036

TENTATIVE IDENTIFIED COMPOUNDS

000994-05-8	Butane, 2-methoxy-2-methyl-	440	J		3.04	ug/Kg
017302-27-1	Nonane, 2,5-dimethyl-	600	J		7.71	ug/Kg
031295-56-4	Dodecane, 2,6,11-trimethyl-	450	J		7.87	ug/Kg
017302-32-8	Nonane, 3,7-dimethyl-	440	J		7.98	ug/Kg
013151-35-4	Decane, 5-methyl-	600	J		8.31	ug/Kg
002847-72-5	Decane, 4-methyl-	490	J		8.37	ug/Kg
006975-98-0	Decane, 2-methyl-	650	J		8.45	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	10P-S	SDG No.:	Q2820
Lab Sample ID:	Q2820-15	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	88.5
Sample Wt/Vol:	30.06	Units:	g
Soil Aliquot Vol:			uL
Extraction Type :		Decanted :	N
Injection Volume :		GPC Factor :	1.0
Prep Method :	SW3541	Level :	LOW
		Final Vol:	1000
		Test:	SVOC-TCL BNA -20
		GPC Cleanup :	N
		PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025541.D	2	08/13/25 09:05	08/21/25 15:37	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
013151-34-3	Decane, 3-methyl-	790	J			8.55	ug/Kg
001120-21-4	Undecane	1800	J			9.01	ug/Kg
1000309-21-8	Sulfurous acid, cyclohexylmethyl n	420	J			9.10	ug/Kg
	unknown9.137	550	J			9.14	ug/Kg
001632-70-8	Undecane, 5-methyl-	490	J			9.25	ug/Kg
017312-54-8	Decane, 3,7-dimethyl-	470	J			9.42	ug/Kg
002980-69-0	Undecane, 4-methyl-	390	J			9.91	ug/Kg
007045-71-8	Undecane, 2-methyl-	540	J			9.99	ug/Kg
017301-23-4	Undecane, 2,6-dimethyl-	530	J			10.7	ug/Kg
000057-10-3	n-Hexadecanoic acid	1100	J			18.1	ug/Kg
000506-17-2	cis-Vaccenic acid	4200	J			19.3	ug/Kg
000057-11-4	Octadecanoic acid	1300	J			19.5	ug/Kg
001740-19-8	Dehydroabietic acid	570	J			21.3	ug/Kg

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

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	10P-N	SDG No.:	Q2820
Lab Sample ID:	Q2820-16	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	86.2
Sample Wt/Vol:	30.02 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
BP025413.D	1	08/13/25 09:05	08/15/25 04:26	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
100-52-7	Benzaldehyde	310	U	180	310	380	ug/Kg
108-95-2	Phenol	150	U	25.6	150	200	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	150	U	28.2	150	200	ug/Kg
95-57-8	2-Chlorophenol	150	U	28.3	150	200	ug/Kg
95-48-7	2-Methylphenol	150	U	34.7	150	200	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	150	U	43.5	150	200	ug/Kg
98-86-2	Acetophenone	150	U	34.2	150	200	ug/Kg
65794-96-9	3+4-Methylphenols	310	U	47.6	310	380	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	92.7	U	55.0	92.7	92.7	ug/Kg
67-72-1	Hexachloroethane	150	U	20.4	150	200	ug/Kg
98-95-3	Nitrobenzene	150	U	21.2	150	200	ug/Kg
78-59-1	Isophorone	150	U	38.0	150	200	ug/Kg
88-75-5	2-Nitrophenol	150	U	67.5	150	200	ug/Kg
105-67-9	2,4-Dimethylphenol	150	U	75.1	150	200	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	150	U	35.7	150	200	ug/Kg
120-83-2	2,4-Dichlorophenol	150	U	32.8	150	200	ug/Kg
91-20-3	Naphthalene	150	U	26.3	150	200	ug/Kg
106-47-8	4-Chloroaniline	150	U	41.0	150	200	ug/Kg
87-68-3	Hexachlorobutadiene	150	U	29.3	150	200	ug/Kg
105-60-2	Caprolactam	310	U	60.4	310	380	ug/Kg
59-50-7	4-Chloro-3-methylphenol	150	U	33.3	150	200	ug/Kg
91-57-6	2-Methylnaphthalene	150	U	29.7	150	200	ug/Kg
77-47-4	Hexachlorocyclopentadiene	310	U	130	310	380	ug/Kg
88-06-2	2,4,6-Trichlorophenol	150	U	23.0	150	200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	150	U	33.7	150	200	ug/Kg
92-52-4	1,1-Biphenyl	150	U	25.3	150	200	ug/Kg
91-58-7	2-Chloronaphthalene	150	U	26.1	150	200	ug/Kg
88-74-4	2-Nitroaniline	150	U	55.8	150	200	ug/Kg
131-11-3	Dimethylphthalate	150	U	31.4	150	200	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	10P-N	SDG No.:	Q2820
Lab Sample ID:	Q2820-16	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	86.2
Sample Wt/Vol:	30.02 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
BP025413.D	1	08/13/25 09:05	08/15/25 04:26	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	150	U	33.5	150	200	ug/Kg
606-20-2	2,6-Dinitrotoluene	150	U	39.0	150	200	ug/Kg
99-09-2	3-Nitroaniline	150	U	53.3	150	200	ug/Kg
83-32-9	Acenaphthene	150	U	24.7	150	200	ug/Kg
51-28-5	2,4-Dinitrophenol	310	U	270	310	380	ug/Kg
100-02-7	4-Nitrophenol	310	U	120	310	380	ug/Kg
132-64-9	Dibenzofuran	150	U	26.3	150	200	ug/Kg
121-14-2	2,4-Dinitrotoluene	150	U	58.1	150	200	ug/Kg
84-66-2	Diethylphthalate	150	U	32.8	150	200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	150	U	31.0	150	200	ug/Kg
86-73-7	Fluorene	150	U	29.3	150	200	ug/Kg
100-01-6	4-Nitroaniline	150	U	74.4	150	200	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	310	U	120	310	380	ug/Kg
86-30-6	n-Nitrosodiphenylamine	150	U	38.1	150	200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	150	U	32.2	150	200	ug/Kg
118-74-1	Hexachlorobenzene	150	U	29.3	150	200	ug/Kg
1912-24-9	Atrazine	150	U	39.4	150	200	ug/Kg
87-86-5	Pentachlorophenol	310	U	59.5	310	380	ug/Kg
85-01-8	Phenanthrene	150	U	24.2	150	200	ug/Kg
120-12-7	Anthracene	150	U	38.6	150	200	ug/Kg
86-74-8	Carbazole	150	U	36.2	150	200	ug/Kg
84-74-2	Di-n-butylphthalate	150	U	55.5	150	200	ug/Kg
206-44-0	Fluoranthene	150	U	34.8	150	200	ug/Kg
129-00-0	Pyrene	150	U	41.7	150	200	ug/Kg
85-68-7	Butylbenzylphthalate	150	U	82.8	150	200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	310	U	42.5	310	380	ug/Kg
56-55-3	Benzo(a)anthracene	150	U	26.7	150	200	ug/Kg
218-01-9	Chrysene	150	U	23.1	150	200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	150	U	68.6	150	200	ug/Kg
117-84-0	Di-n-octyl phthalate	310	U	100	310	380	ug/Kg
205-99-2	Benzo(b)fluoranthene	150	U	22.0	150	200	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	10P-N	SDG No.:	Q2820
Lab Sample ID:	Q2820-16	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	86.2
Sample Wt/Vol:	30.02 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
BP025413.D	1	08/13/25 09:05	08/15/25 04:26	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	150	U	26.0	150	200	ug/Kg
50-32-8	Benzo(a)pyrene	150	U	34.2	150	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	150	U	33.7	150	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	150	U	31.8	150	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	150	U	29.8	150	200	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	150	U	29.7	150	200	ug/Kg
123-91-1	1,4-Dioxane	150	U	52.4	150	200	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	150	U	31.8	150	200	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	75.3		35 - 115		50%	SPK: 150
13127-88-3	Phenol-d6	76.1		34 - 127		51%	SPK: 150
4165-60-0	Nitrobenzene-d5	46.3		37 - 122		46%	SPK: 100
321-60-8	2-Fluorobiphenyl	46.8		44 - 115		47%	SPK: 100
118-79-6	2,4,6-Tribromophenol	81.5		39 - 132		54%	SPK: 150
1718-51-0	Terphenyl-d14	45.2	*	54 - 127		45%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	128000	7.796
1146-65-2	Naphthalene-d8	501000	10.56
15067-26-2	Acenaphthene-d10	337000	14.407
1517-22-2	Phenanthrene-d10	710000	17.195
1719-03-5	Chrysene-d12	831000	21.63
1520-96-3	Perylene-d12	927000	24.989

TENTATIVE IDENTIFIED COMPOUNDS

000994-05-8	Butane, 2-methoxy-2-methyl-	980	J		3.04	ug/Kg
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	180	AB		4.96	ug/Kg
000119-61-9	Benzophenone	230	J		15.8	ug/Kg
000057-10-3	n-Hexadecanoic acid	190	J		18.1	ug/Kg
000295-65-8	Cyclohexadecane	90.0	J		21.3	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	10P-N	SDG No.:	Q2820
Lab Sample ID:	Q2820-16	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	86.2
Sample Wt/Vol:	30.02	Units:	g
Soil Aliquot Vol:			uL
Extraction Type :		Decanted :	N
Injection Volume :		GPC Factor :	1.0
Prep Method :	SW3541	Final Vol:	1000 uL
		Test:	SVOC-TCL BNA -20
		Level :	LOW
		GPC Cleanup :	N
		PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025413.D	1	08/13/25 09:05	08/15/25 04:26	PB169228

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

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	88H-E	SDG No.:	Q2820
Lab Sample ID:	Q2820-17	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	82.6
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
BP025414.D	1	08/13/25 09:05	08/15/25 05:07	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
100-52-7	Benzaldehyde	330	U	190	330	400	ug/Kg
108-95-2	Phenol	160	U	26.7	160	210	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	160	U	29.4	160	210	ug/Kg
95-57-8	2-Chlorophenol	160	U	29.5	160	210	ug/Kg
95-48-7	2-Methylphenol	160	U	36.1	160	210	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	160	U	45.3	160	210	ug/Kg
98-86-2	Acetophenone	160	U	35.6	160	210	ug/Kg
65794-96-9	3+4-Methylphenols	330	U	49.6	330	400	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	96.6	U	57.3	96.6	96.6	ug/Kg
67-72-1	Hexachloroethane	160	U	21.3	160	210	ug/Kg
98-95-3	Nitrobenzene	160	U	22.1	160	210	ug/Kg
78-59-1	Isophorone	160	U	39.6	160	210	ug/Kg
88-75-5	2-Nitrophenol	160	U	70.3	160	210	ug/Kg
105-67-9	2,4-Dimethylphenol	160	U	78.3	160	210	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	160	U	37.2	160	210	ug/Kg
120-83-2	2,4-Dichlorophenol	160	U	34.2	160	210	ug/Kg
91-20-3	Naphthalene	160	U	27.4	160	210	ug/Kg
106-47-8	4-Chloroaniline	160	U	42.8	160	210	ug/Kg
87-68-3	Hexachlorobutadiene	160	U	30.6	160	210	ug/Kg
105-60-2	Caprolactam	330	U	62.9	330	400	ug/Kg
59-50-7	4-Chloro-3-methylphenol	160	U	34.7	160	210	ug/Kg
91-57-6	2-Methylnaphthalene	160	U	30.9	160	210	ug/Kg
77-47-4	Hexachlorocyclopentadiene	330	U	140	330	400	ug/Kg
88-06-2	2,4,6-Trichlorophenol	160	U	23.9	160	210	ug/Kg
95-95-4	2,4,5-Trichlorophenol	160	U	35.1	160	210	ug/Kg
92-52-4	1,1-Biphenyl	160	U	26.3	160	210	ug/Kg
91-58-7	2-Chloronaphthalene	160	U	27.2	160	210	ug/Kg
88-74-4	2-Nitroaniline	160	U	58.1	160	210	ug/Kg
131-11-3	Dimethylphthalate	160	U	32.7	160	210	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	88H-E	SDG No.:	Q2820
Lab Sample ID:	Q2820-17	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	82.6
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
BP025414.D	1	08/13/25 09:05	08/15/25 05:07	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	160	U	34.9	160	210	ug/Kg
606-20-2	2,6-Dinitrotoluene	160	U	40.6	160	210	ug/Kg
99-09-2	3-Nitroaniline	160	U	55.6	160	210	ug/Kg
83-32-9	Acenaphthene	160	U	25.7	160	210	ug/Kg
51-28-5	2,4-Dinitrophenol	330	U	280	330	400	ug/Kg
100-02-7	4-Nitrophenol	330	U	130	330	400	ug/Kg
132-64-9	Dibenzofuran	160	U	27.4	160	210	ug/Kg
121-14-2	2,4-Dinitrotoluene	160	U	60.5	160	210	ug/Kg
84-66-2	Diethylphthalate	160	U	34.2	160	210	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	160	U	32.2	160	210	ug/Kg
86-73-7	Fluorene	160	U	30.6	160	210	ug/Kg
100-01-6	4-Nitroaniline	160	U	77.5	160	210	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	330	U	120	330	400	ug/Kg
86-30-6	n-Nitrosodiphenylamine	160	U	39.7	160	210	ug/Kg
101-55-3	4-Bromophenyl-phenylether	160	U	33.6	160	210	ug/Kg
118-74-1	Hexachlorobenzene	160	U	30.6	160	210	ug/Kg
1912-24-9	Atrazine	160	U	41.1	160	210	ug/Kg
87-86-5	Pentachlorophenol	330	U	62.0	330	400	ug/Kg
85-01-8	Phenanthrene	160	U	25.2	160	210	ug/Kg
120-12-7	Anthracene	160	U	40.2	160	210	ug/Kg
86-74-8	Carbazole	160	U	37.7	160	210	ug/Kg
84-74-2	Di-n-butylphthalate	160	U	57.9	160	210	ug/Kg
206-44-0	Fluoranthene	160	U	36.2	160	210	ug/Kg
129-00-0	Pyrene	160	U	43.5	160	210	ug/Kg
85-68-7	Butylbenzylphthalate	160	U	86.2	160	210	ug/Kg
91-94-1	3,3-Dichlorobenzidine	330	U	44.3	330	400	ug/Kg
56-55-3	Benzo(a)anthracene	160	U	27.8	160	210	ug/Kg
218-01-9	Chrysene	160	U	24.0	160	210	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	160	U	71.5	160	210	ug/Kg
117-84-0	Di-n-octyl phthalate	330	U	100	330	400	ug/Kg
205-99-2	Benzo(b)fluoranthene	160	U	22.9	160	210	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	88H-E	SDG No.:	Q2820
Lab Sample ID:	Q2820-17	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	82.6
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
BP025414.D	1	08/13/25 09:05	08/15/25 05:07	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	160	U	27.1	160	210	ug/Kg
50-32-8	Benzo(a)pyrene	160	U	35.6	160	210	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	160	U	35.1	160	210	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	160	U	33.1	160	210	ug/Kg
191-24-2	Benzo(g,h,i)perylene	160	U	31.0	160	210	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	160	U	30.9	160	210	ug/Kg
123-91-1	1,4-Dioxane	160	U	54.6	160	210	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	160	U	33.1	160	210	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	106		35 - 115		71%	SPK: 150
13127-88-3	Phenol-d6	106		34 - 127		70%	SPK: 150
4165-60-0	Nitrobenzene-d5	66.0		37 - 122		66%	SPK: 100
321-60-8	2-Fluorobiphenyl	61.5		44 - 115		62%	SPK: 100
118-79-6	2,4,6-Tribromophenol	111		39 - 132		74%	SPK: 150
1718-51-0	Terphenyl-d14	58.5		54 - 127		58%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	140000	7.79
1146-65-2	Naphthalene-d8	556000	10.56
15067-26-2	Acenaphthene-d10	371000	14.395
1517-22-2	Phenanthrene-d10	798000	17.195
1719-03-5	Chrysene-d12	894000	21.636
1520-96-3	Perylene-d12	1030000	25.001

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-	260	AB		4.95	ug/Kg
000119-61-9	Benzophenone	260	J		15.8	ug/Kg
000057-10-3	n-Hexadecanoic acid	180	J		18.1	ug/Kg
074685-30-6	5-Eicosene, (E)-	170	J		21.3	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	88H-E	SDG No.:	Q2820
Lab Sample ID:	Q2820-17	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	82.6
Sample Wt/Vol:	30.07	Units:	g
Soil Aliquot Vol:			uL
Extraction Type :		Decanted :	N
Injection Volume :		GPC Factor :	1.0
Prep Method :	SW3541	Level :	LOW
		Final Vol:	1000 uL
		Test:	SVOC-TCL BNA -20
		GPC Cleanup :	N
		PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025414.D	1	08/13/25 09:05	08/15/25 05:07	PB169228

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

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	88H-N	SDG No.:	Q2820
Lab Sample ID:	Q2820-18	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	86.3
Sample Wt/Vol:	30.04 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
BP025417.D	1	08/13/25 09:05	08/15/25 07:10	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
100-52-7	Benzaldehyde	310	U	180	310	380	ug/Kg
108-95-2	Phenol	150	U	25.6	150	200	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	150	U	28.1	150	200	ug/Kg
95-57-8	2-Chlorophenol	150	U	28.2	150	200	ug/Kg
95-48-7	2-Methylphenol	150	U	34.6	150	200	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	150	U	43.4	150	200	ug/Kg
98-86-2	Acetophenone	150	U	34.1	150	200	ug/Kg
65794-96-9	3+4-Methylphenols	310	U	47.6	310	380	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	92.6	U	54.9	92.6	92.6	ug/Kg
67-72-1	Hexachloroethane	150	U	20.4	150	200	ug/Kg
98-95-3	Nitrobenzene	150	U	21.2	150	200	ug/Kg
78-59-1	Isophorone	150	U	38.0	150	200	ug/Kg
88-75-5	2-Nitrophenol	150	U	67.3	150	200	ug/Kg
105-67-9	2,4-Dimethylphenol	150	U	75.0	150	200	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	150	U	35.6	150	200	ug/Kg
120-83-2	2,4-Dichlorophenol	150	U	32.7	150	200	ug/Kg
91-20-3	Naphthalene	150	U	26.3	150	200	ug/Kg
106-47-8	4-Chloroaniline	150	U	41.0	150	200	ug/Kg
87-68-3	Hexachlorobutadiene	150	U	29.3	150	200	ug/Kg
105-60-2	Caprolactam	310	U	60.3	310	380	ug/Kg
59-50-7	4-Chloro-3-methylphenol	150	U	33.2	150	200	ug/Kg
91-57-6	2-Methylnaphthalene	150	U	29.6	150	200	ug/Kg
77-47-4	Hexachlorocyclopentadiene	310	U	130	310	380	ug/Kg
88-06-2	2,4,6-Trichlorophenol	150	U	22.9	150	200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	150	U	33.7	150	200	ug/Kg
92-52-4	1,1-Biphenyl	150	U	25.2	150	200	ug/Kg
91-58-7	2-Chloronaphthalene	150	U	26.0	150	200	ug/Kg
88-74-4	2-Nitroaniline	150	U	55.7	150	200	ug/Kg
131-11-3	Dimethylphthalate	150	U	31.4	150	200	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	88H-N	SDG No.:	Q2820
Lab Sample ID:	Q2820-18	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	86.3
Sample Wt/Vol:	30.04 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
BP025417.D	1	08/13/25 09:05	08/15/25 07:10	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	150	U	33.4	150	200	ug/Kg
606-20-2	2,6-Dinitrotoluene	150	U	38.9	150	200	ug/Kg
99-09-2	3-Nitroaniline	150	U	53.2	150	200	ug/Kg
83-32-9	Acenaphthene	150	U	24.6	150	200	ug/Kg
51-28-5	2,4-Dinitrophenol	310	U	270	310	380	ug/Kg
100-02-7	4-Nitrophenol	310	U	120	310	380	ug/Kg
132-64-9	Dibenzofuran	150	U	26.3	150	200	ug/Kg
121-14-2	2,4-Dinitrotoluene	150	U	58.0	150	200	ug/Kg
84-66-2	Diethylphthalate	150	U	32.7	150	200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	150	U	30.9	150	200	ug/Kg
86-73-7	Fluorene	150	U	29.3	150	200	ug/Kg
100-01-6	4-Nitroaniline	150	U	74.3	150	200	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	310	U	120	310	380	ug/Kg
86-30-6	n-Nitrosodiphenylamine	150	U	38.1	150	200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	150	U	32.2	150	200	ug/Kg
118-74-1	Hexachlorobenzene	150	U	29.3	150	200	ug/Kg
1912-24-9	Atrazine	150	U	39.3	150	200	ug/Kg
87-86-5	Pentachlorophenol	310	U	59.4	310	380	ug/Kg
85-01-8	Phenanthrene	150	U	24.2	150	200	ug/Kg
120-12-7	Anthracene	150	U	38.5	150	200	ug/Kg
86-74-8	Carbazole	150	U	36.1	150	200	ug/Kg
84-74-2	Di-n-butylphthalate	150	U	55.4	150	200	ug/Kg
206-44-0	Fluoranthene	150	U	34.7	150	200	ug/Kg
129-00-0	Pyrene	150	U	41.7	150	200	ug/Kg
85-68-7	Butylbenzylphthalate	150	U	82.6	150	200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	310	U	42.5	310	380	ug/Kg
56-55-3	Benzo(a)anthracene	150	U	26.6	150	200	ug/Kg
218-01-9	Chrysene	150	U	23.0	150	200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	150	U	68.5	150	200	ug/Kg
117-84-0	Di-n-octyl phthalate	310	U	100	310	380	ug/Kg
205-99-2	Benzo(b)fluoranthene	150	U	22.0	150	200	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	88H-N	SDG No.:	Q2820
Lab Sample ID:	Q2820-18	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	86.3
Sample Wt/Vol:	30.04 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
BP025417.D	1	08/13/25 09:05	08/15/25 07:10	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	150	U	25.9	150	200	ug/Kg
50-32-8	Benzo(a)pyrene	150	U	34.1	150	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	150	U	33.7	150	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	150	U	31.7	150	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	150	U	29.7	150	200	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	150	U	29.6	150	200	ug/Kg
123-91-1	1,4-Dioxane	150	U	52.3	150	200	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	150	U	31.7	150	200	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	81.1		35 - 115		54%	SPK: 150
13127-88-3	Phenol-d6	82.1		34 - 127		55%	SPK: 150
4165-60-0	Nitrobenzene-d5	51.9		37 - 122		52%	SPK: 100
321-60-8	2-Fluorobiphenyl	48.5		44 - 115		48%	SPK: 100
118-79-6	2,4,6-Tribromophenol	87.7		39 - 132		58%	SPK: 150
1718-51-0	Terphenyl-d14	47.8	*	54 - 127		48%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	145000	7.79
1146-65-2	Naphthalene-d8	575000	10.555
15067-26-2	Acenaphthene-d10	395000	14.396
1517-22-2	Phenanthrene-d10	835000	17.201
1719-03-5	Chrysene-d12	934000	21.636
1520-96-3	Perylene-d12	1040000	25.001

TENTATIVE IDENTIFIED COMPOUNDS

000994-05-8	Butane, 2-methoxy-2-methyl-	1300	J		3.04	ug/Kg
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	200	AB		4.95	ug/Kg
000119-61-9	Benzophenone	270	J		15.8	ug/Kg
000057-10-3	n-Hexadecanoic acid	150	J		18.1	ug/Kg
1000406-04-6	Pentadecafluorooctanoic acid, hexa	150	J		21.3	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	88H-N	SDG No.:	Q2820
Lab Sample ID:	Q2820-18	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	86.3
Sample Wt/Vol:	30.04	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	SVOC-TCL BNA -20
	Decanted :	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
BP025417.D	1	08/13/25 09:05	08/15/25 07:10	PB169228

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

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	88H-W	SDG No.:	Q2820
Lab Sample ID:	Q2820-19	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	88.6
Sample Wt/Vol:	30.08 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
BP025418.D	1	08/13/25 09:05	08/15/25 07:51	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
100-52-7	Benzaldehyde	300	U	180	300	370	ug/Kg
108-95-2	Phenol	150	U	24.9	150	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	150	U	27.4	150	190	ug/Kg
95-57-8	2-Chlorophenol	150	U	27.5	150	190	ug/Kg
95-48-7	2-Methylphenol	150	U	33.7	150	190	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	150	U	42.2	150	190	ug/Kg
98-86-2	Acetophenone	150	U	33.2	150	190	ug/Kg
65794-96-9	3+4-Methylphenols	300	U	46.3	300	370	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	90.1	U	53.4	90.1	90.1	ug/Kg
67-72-1	Hexachloroethane	150	U	19.8	150	190	ug/Kg
98-95-3	Nitrobenzene	150	U	20.6	150	190	ug/Kg
78-59-1	Isophorone	150	U	36.9	150	190	ug/Kg
88-75-5	2-Nitrophenol	150	U	65.5	150	190	ug/Kg
105-67-9	2,4-Dimethylphenol	150	U	72.9	150	190	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	150	U	34.7	150	190	ug/Kg
120-83-2	2,4-Dichlorophenol	150	U	31.9	150	190	ug/Kg
91-20-3	Naphthalene	150	U	25.6	150	190	ug/Kg
106-47-8	4-Chloroaniline	150	U	39.8	150	190	ug/Kg
87-68-3	Hexachlorobutadiene	150	U	28.5	150	190	ug/Kg
105-60-2	Caprolactam	300	U	58.6	300	370	ug/Kg
59-50-7	4-Chloro-3-methylphenol	150	U	32.3	150	190	ug/Kg
91-57-6	2-Methylnaphthalene	150	U	28.8	150	190	ug/Kg
77-47-4	Hexachlorocyclopentadiene	300	U	130	300	370	ug/Kg
88-06-2	2,4,6-Trichlorophenol	150	U	22.3	150	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	150	U	32.8	150	190	ug/Kg
92-52-4	1,1-Biphenyl	150	U	24.5	150	190	ug/Kg
91-58-7	2-Chloronaphthalene	150	U	25.3	150	190	ug/Kg
88-74-4	2-Nitroaniline	150	U	54.1	150	190	ug/Kg
131-11-3	Dimethylphthalate	150	U	30.5	150	190	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	88H-W	SDG No.:	Q2820
Lab Sample ID:	Q2820-19	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	88.6
Sample Wt/Vol:	30.08 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
BP025418.D	1	08/13/25 09:05	08/15/25 07:51	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	150	U	32.5	150	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	150	U	37.8	150	190	ug/Kg
99-09-2	3-Nitroaniline	150	U	51.8	150	190	ug/Kg
83-32-9	Acenaphthene	150	U	24.0	150	190	ug/Kg
51-28-5	2,4-Dinitrophenol	300	U	260	300	370	ug/Kg
100-02-7	4-Nitrophenol	300	U	120	300	370	ug/Kg
132-64-9	Dibenzofuran	150	U	25.6	150	190	ug/Kg
121-14-2	2,4-Dinitrotoluene	150	U	56.4	150	190	ug/Kg
84-66-2	Diethylphthalate	150	U	31.9	150	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	150	U	30.1	150	190	ug/Kg
86-73-7	Fluorene	150	U	28.5	150	190	ug/Kg
100-01-6	4-Nitroaniline	150	U	72.3	150	190	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	300	U	120	300	370	ug/Kg
86-30-6	n-Nitrosodiphenylamine	150	U	37.0	150	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	150	U	31.3	150	190	ug/Kg
118-74-1	Hexachlorobenzene	150	U	28.5	150	190	ug/Kg
1912-24-9	Atrazine	150	U	38.3	150	190	ug/Kg
87-86-5	Pentachlorophenol	300	U	57.7	300	370	ug/Kg
85-01-8	Phenanthrene	150	U	23.5	150	190	ug/Kg
120-12-7	Anthracene	150	U	37.5	150	190	ug/Kg
86-74-8	Carbazole	150	U	35.1	150	190	ug/Kg
84-74-2	Di-n-butylphthalate	150	U	53.9	150	190	ug/Kg
206-44-0	Fluoranthene	150	U	33.8	150	190	ug/Kg
129-00-0	Pyrene	150	U	40.5	150	190	ug/Kg
85-68-7	Butylbenzylphthalate	150	U	80.4	150	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	300	U	41.3	300	370	ug/Kg
56-55-3	Benzo(a)anthracene	150	U	25.9	150	190	ug/Kg
218-01-9	Chrysene	150	U	22.4	150	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	150	U	66.6	150	190	ug/Kg
117-84-0	Di-n-octyl phthalate	300	U	97.7	300	370	ug/Kg
205-99-2	Benzo(b)fluoranthene	150	U	21.4	150	190	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	88H-W	SDG No.:	Q2820
Lab Sample ID:	Q2820-19	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	88.6
Sample Wt/Vol:	30.08 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
BP025418.D	1	08/13/25 09:05	08/15/25 07:51	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	150	U	25.2	150	190	ug/Kg
50-32-8	Benzo(a)pyrene	150	U	33.2	150	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	150	U	32.8	150	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	150	U	30.8	150	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	150	U	28.9	150	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	150	U	28.8	150	190	ug/Kg
123-91-1	1,4-Dioxane	150	U	50.9	150	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	150	U	30.8	150	190	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	74.2		35 - 115		49%	SPK: 150
13127-88-3	Phenol-d6	75.7		34 - 127		50%	SPK: 150
4165-60-0	Nitrobenzene-d5	47.5		37 - 122		48%	SPK: 100
321-60-8	2-Fluorobiphenyl	41.2	*	44 - 115		41%	SPK: 100
118-79-6	2,4,6-Tribromophenol	73.9		39 - 132		49%	SPK: 150
1718-51-0	Terphenyl-d14	41.2	*	54 - 127		41%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	147000	7.79
1146-65-2	Naphthalene-d8	584000	10.56
15067-26-2	Acenaphthene-d10	401000	14.395
1517-22-2	Phenanthrene-d10	830000	17.189
1719-03-5	Chrysene-d12	924000	21.636
1520-96-3	Perylene-d12	1030000	24.989

TENTATIVE IDENTIFIED COMPOUNDS

000994-05-8	Butane, 2-methoxy-2-methyl-	990	J		3.04	ug/Kg
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	180	AB		4.95	ug/Kg
000119-61-9	Benzophenone	210	J		15.8	ug/Kg
000057-10-3	n-Hexadecanoic acid	96.8	J		18.1	ug/Kg
010192-32-2	1-Tetracosene	140	J		21.3	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	88H-W	SDG No.:	Q2820
Lab Sample ID:	Q2820-19	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	88.6
Sample Wt/Vol:	30.08 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
BP025418.D	1	08/13/25 09:05	08/15/25 07:51	PB169228

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

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	88H-WRE	SDG No.:	Q2820
Lab Sample ID:	Q2820-19RE	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	88.6
Sample Wt/Vol:	30.08 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
BP025481.D	1	08/13/25 09:05	08/19/25 18:17	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
100-52-7	Benzaldehyde	300	U	180	300	370	ug/Kg
108-95-2	Phenol	150	U	24.9	150	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	150	U	27.4	150	190	ug/Kg
95-57-8	2-Chlorophenol	150	U	27.5	150	190	ug/Kg
95-48-7	2-Methylphenol	150	U	33.7	150	190	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	150	U	42.2	150	190	ug/Kg
98-86-2	Acetophenone	150	U	33.2	150	190	ug/Kg
65794-96-9	3+4-Methylphenols	300	U	46.3	300	370	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	90.1	U	53.4	90.1	90.1	ug/Kg
67-72-1	Hexachloroethane	150	U	19.8	150	190	ug/Kg
98-95-3	Nitrobenzene	150	U	20.6	150	190	ug/Kg
78-59-1	Isophorone	150	U	36.9	150	190	ug/Kg
88-75-5	2-Nitrophenol	150	U	65.5	150	190	ug/Kg
105-67-9	2,4-Dimethylphenol	150	U	72.9	150	190	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	150	U	34.7	150	190	ug/Kg
120-83-2	2,4-Dichlorophenol	150	U	31.9	150	190	ug/Kg
91-20-3	Naphthalene	150	U	25.6	150	190	ug/Kg
106-47-8	4-Chloroaniline	150	U	39.8	150	190	ug/Kg
87-68-3	Hexachlorobutadiene	150	U	28.5	150	190	ug/Kg
105-60-2	Caprolactam	300	U	58.6	300	370	ug/Kg
59-50-7	4-Chloro-3-methylphenol	150	U	32.3	150	190	ug/Kg
91-57-6	2-Methylnaphthalene	150	U	28.8	150	190	ug/Kg
77-47-4	Hexachlorocyclopentadiene	300	U	130	300	370	ug/Kg
88-06-2	2,4,6-Trichlorophenol	150	U	22.3	150	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	150	U	32.8	150	190	ug/Kg
92-52-4	1,1-Biphenyl	150	U	24.5	150	190	ug/Kg
91-58-7	2-Chloronaphthalene	150	U	25.3	150	190	ug/Kg
88-74-4	2-Nitroaniline	150	U	54.1	150	190	ug/Kg
131-11-3	Dimethylphthalate	150	U	30.5	150	190	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	88H-WRE	SDG No.:	Q2820
Lab Sample ID:	Q2820-19RE	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	88.6
Sample Wt/Vol:	30.08 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
BP025481.D	1	08/13/25 09:05	08/19/25 18:17	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	150	U	32.5	150	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	150	U	37.8	150	190	ug/Kg
99-09-2	3-Nitroaniline	150	U	51.8	150	190	ug/Kg
83-32-9	Acenaphthene	150	U	24.0	150	190	ug/Kg
51-28-5	2,4-Dinitrophenol	300	U	260	300	370	ug/Kg
100-02-7	4-Nitrophenol	300	U	120	300	370	ug/Kg
132-64-9	Dibenzofuran	150	U	25.6	150	190	ug/Kg
121-14-2	2,4-Dinitrotoluene	150	U	56.4	150	190	ug/Kg
84-66-2	Diethylphthalate	150	U	31.9	150	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	150	U	30.1	150	190	ug/Kg
86-73-7	Fluorene	150	U	28.5	150	190	ug/Kg
100-01-6	4-Nitroaniline	150	U	72.3	150	190	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	300	U	120	300	370	ug/Kg
86-30-6	n-Nitrosodiphenylamine	150	U	37.0	150	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	150	U	31.3	150	190	ug/Kg
118-74-1	Hexachlorobenzene	150	U	28.5	150	190	ug/Kg
1912-24-9	Atrazine	150	U	38.3	150	190	ug/Kg
87-86-5	Pentachlorophenol	300	U	57.7	300	370	ug/Kg
85-01-8	Phenanthrene	150	U	23.5	150	190	ug/Kg
120-12-7	Anthracene	150	U	37.5	150	190	ug/Kg
86-74-8	Carbazole	150	U	35.1	150	190	ug/Kg
84-74-2	Di-n-butylphthalate	150	U	53.9	150	190	ug/Kg
206-44-0	Fluoranthene	150	U	33.8	150	190	ug/Kg
129-00-0	Pyrene	150	U	40.5	150	190	ug/Kg
85-68-7	Butylbenzylphthalate	150	U	80.4	150	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	300	U	41.3	300	370	ug/Kg
56-55-3	Benzo(a)anthracene	150	U	25.9	150	190	ug/Kg
218-01-9	Chrysene	150	U	22.4	150	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	150	U	66.6	150	190	ug/Kg
117-84-0	Di-n-octyl phthalate	300	U	97.7	300	370	ug/Kg
205-99-2	Benzo(b)fluoranthene	150	U	21.4	150	190	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	88H-WRE	SDG No.:	Q2820
Lab Sample ID:	Q2820-19RE	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	88.6
Sample Wt/Vol:	30.08 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
BP025481.D	1	08/13/25 09:05	08/19/25 18:17	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	150	U	25.2	150	190	ug/Kg
50-32-8	Benzo(a)pyrene	150	U	33.2	150	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	150	U	32.8	150	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	150	U	30.8	150	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	150	U	28.9	150	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	150	U	28.8	150	190	ug/Kg
123-91-1	1,4-Dioxane	150	U	50.9	150	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	150	U	30.8	150	190	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	76.4		35 - 115		51%	SPK: 150
13127-88-3	Phenol-d6	75.2		34 - 127		50%	SPK: 150
4165-60-0	Nitrobenzene-d5	46.9		37 - 122		47%	SPK: 100
321-60-8	2-Fluorobiphenyl	41.3	*	44 - 115		41%	SPK: 100
118-79-6	2,4,6-Tribromophenol	74.0		39 - 132		49%	SPK: 150
1718-51-0	Terphenyl-d14	41.9	*	54 - 127		42%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	191000	7.79
1146-65-2	Naphthalene-d8	749000	10.554
15067-26-2	Acenaphthene-d10	501000	14.407
1517-22-2	Phenanthrene-d10	1060000	17.201
1719-03-5	Chrysene-d12	1170000	21.642
1520-96-3	Perylene-d12	1280000	25.007

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

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	88H-S	SDG No.:	Q2820
Lab Sample ID:	Q2820-20	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	84.6
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
BP025419.D	1	08/13/25 09:05	08/15/25 08:32	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
100-52-7	Benzaldehyde	320	U	180	320	390	ug/Kg
108-95-2	Phenol	150	U	26.1	150	200	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	150	U	28.7	150	200	ug/Kg
95-57-8	2-Chlorophenol	150	U	28.8	150	200	ug/Kg
95-48-7	2-Methylphenol	150	U	35.3	150	200	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	150	U	44.3	150	200	ug/Kg
98-86-2	Acetophenone	150	U	34.8	150	200	ug/Kg
65794-96-9	3+4-Methylphenols	320	U	48.5	320	390	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	94.5	U	56.0	94.5	94.5	ug/Kg
67-72-1	Hexachloroethane	150	U	20.8	150	200	ug/Kg
98-95-3	Nitrobenzene	150	U	21.6	150	200	ug/Kg
78-59-1	Isophorone	150	U	38.7	150	200	ug/Kg
88-75-5	2-Nitrophenol	150	U	68.7	150	200	ug/Kg
105-67-9	2,4-Dimethylphenol	150	U	76.5	150	200	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	150	U	36.4	150	200	ug/Kg
120-83-2	2,4-Dichlorophenol	150	U	33.4	150	200	ug/Kg
91-20-3	Naphthalene	150	U	26.8	150	200	ug/Kg
106-47-8	4-Chloroaniline	150	U	41.8	150	200	ug/Kg
87-68-3	Hexachlorobutadiene	150	U	29.9	150	200	ug/Kg
105-60-2	Caprolactam	320	U	61.5	320	390	ug/Kg
59-50-7	4-Chloro-3-methylphenol	150	U	33.9	150	200	ug/Kg
91-57-6	2-Methylnaphthalene	150	U	30.2	150	200	ug/Kg
77-47-4	Hexachlorocyclopentadiene	320	U	140	320	390	ug/Kg
88-06-2	2,4,6-Trichlorophenol	150	U	23.4	150	200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	150	U	34.4	150	200	ug/Kg
92-52-4	1,1-Biphenyl	150	U	25.7	150	200	ug/Kg
91-58-7	2-Chloronaphthalene	150	U	26.6	150	200	ug/Kg
88-74-4	2-Nitroaniline	150	U	56.8	150	200	ug/Kg
131-11-3	Dimethylphthalate	150	U	32.0	150	200	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	88H-S	SDG No.:	Q2820
Lab Sample ID:	Q2820-20	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	84.6
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
BP025419.D	1	08/13/25 09:05	08/15/25 08:32	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	150	U	34.1	150	200	ug/Kg
606-20-2	2,6-Dinitrotoluene	150	U	39.7	150	200	ug/Kg
99-09-2	3-Nitroaniline	150	U	54.3	150	200	ug/Kg
83-32-9	Acenaphthene	150	U	25.2	150	200	ug/Kg
51-28-5	2,4-Dinitrophenol	320	U	270	320	390	ug/Kg
100-02-7	4-Nitrophenol	320	U	130	320	390	ug/Kg
132-64-9	Dibenzofuran	150	U	26.8	150	200	ug/Kg
121-14-2	2,4-Dinitrotoluene	150	U	59.2	150	200	ug/Kg
84-66-2	Diethylphthalate	150	U	33.4	150	200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	150	U	31.5	150	200	ug/Kg
86-73-7	Fluorene	150	U	29.9	150	200	ug/Kg
100-01-6	4-Nitroaniline	150	U	75.8	150	200	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	320	U	120	320	390	ug/Kg
86-30-6	n-Nitrosodiphenylamine	150	U	38.9	150	200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	150	U	32.8	150	200	ug/Kg
118-74-1	Hexachlorobenzene	150	U	29.9	150	200	ug/Kg
1912-24-9	Atrazine	150	U	40.1	150	200	ug/Kg
87-86-5	Pentachlorophenol	320	U	60.6	320	390	ug/Kg
85-01-8	Phenanthrene	150	U	24.7	150	200	ug/Kg
120-12-7	Anthracene	150	U	39.3	150	200	ug/Kg
86-74-8	Carbazole	150	U	36.8	150	200	ug/Kg
84-74-2	Di-n-butylphthalate	150	U	56.6	150	200	ug/Kg
206-44-0	Fluoranthene	150	U	35.4	150	200	ug/Kg
129-00-0	Pyrene	150	U	42.5	150	200	ug/Kg
85-68-7	Butylbenzylphthalate	150	U	84.3	150	200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	320	U	43.3	320	390	ug/Kg
56-55-3	Benzo(a)anthracene	150	U	27.2	150	200	ug/Kg
218-01-9	Chrysene	150	U	23.5	150	200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	150	U	69.9	150	200	ug/Kg
117-84-0	Di-n-octyl phthalate	320	U	100	320	390	ug/Kg
205-99-2	Benzo(b)fluoranthene	150	U	22.4	150	200	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	88H-S	SDG No.:	Q2820
Lab Sample ID:	Q2820-20	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	84.6
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
BP025419.D	1	08/13/25 09:05	08/15/25 08:32	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	150	U	26.5	150	200	ug/Kg
50-32-8	Benzo(a)pyrene	150	U	34.8	150	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	150	U	34.4	150	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	150	U	32.4	150	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	150	U	30.3	150	200	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	150	U	30.2	150	200	ug/Kg
123-91-1	1,4-Dioxane	150	U	53.4	150	200	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	150	U	32.4	150	200	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	55.6		35 - 115		37%	SPK: 150
13127-88-3	Phenol-d6	55.5		34 - 127		37%	SPK: 150
4165-60-0	Nitrobenzene-d5	34.0	*	37 - 122		34%	SPK: 100
321-60-8	2-Fluorobiphenyl	30.7	*	44 - 115		31%	SPK: 100
118-79-6	2,4,6-Tribromophenol	55.1	*	39 - 132		37%	SPK: 150
1718-51-0	Terphenyl-d14	29.9	*	54 - 127		30%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	150000	7.79
1146-65-2	Naphthalene-d8	599000	10.56
15067-26-2	Acenaphthene-d10	391000	14.401
1517-22-2	Phenanthrene-d10	834000	17.201
1719-03-5	Chrysene-d12	954000	21.642
1520-96-3	Perylene-d12	1070000	25.006

TENTATIVE IDENTIFIED COMPOUNDS

000994-05-8	Butane, 2-methoxy-2-methyl-	770	J		3.04	ug/Kg
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	130	AB		4.95	ug/Kg
000119-61-9	Benzophenone	190	J		15.8	ug/Kg
000057-10-3	n-Hexadecanoic acid	96.8	J		18.1	ug/Kg
006971-40-0	17-Pentatriacontene	120	J		21.3	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	88H-S	SDG No.:	Q2820
Lab Sample ID:	Q2820-20	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	84.6
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
BP025419.D	1	08/13/25 09:05	08/15/25 08:32	PB169228

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

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	88H-SRE	SDG No.:	Q2820
Lab Sample ID:	Q2820-20RE	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	84.6
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
BP025482.D	1	08/13/25 09:05	08/19/25 18:58	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
100-52-7	Benzaldehyde	320	U	180	320	390	ug/Kg
108-95-2	Phenol	150	U	26.1	150	200	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	150	U	28.7	150	200	ug/Kg
95-57-8	2-Chlorophenol	150	U	28.8	150	200	ug/Kg
95-48-7	2-Methylphenol	150	U	35.3	150	200	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	150	U	44.3	150	200	ug/Kg
98-86-2	Acetophenone	150	U	34.8	150	200	ug/Kg
65794-96-9	3+4-Methylphenols	320	U	48.5	320	390	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	94.5	U	56.0	94.5	94.5	ug/Kg
67-72-1	Hexachloroethane	150	U	20.8	150	200	ug/Kg
98-95-3	Nitrobenzene	150	U	21.6	150	200	ug/Kg
78-59-1	Isophorone	150	U	38.7	150	200	ug/Kg
88-75-5	2-Nitrophenol	150	U	68.7	150	200	ug/Kg
105-67-9	2,4-Dimethylphenol	150	U	76.5	150	200	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	150	U	36.4	150	200	ug/Kg
120-83-2	2,4-Dichlorophenol	150	U	33.4	150	200	ug/Kg
91-20-3	Naphthalene	150	U	26.8	150	200	ug/Kg
106-47-8	4-Chloroaniline	150	U	41.8	150	200	ug/Kg
87-68-3	Hexachlorobutadiene	150	U	29.9	150	200	ug/Kg
105-60-2	Caprolactam	320	U	61.5	320	390	ug/Kg
59-50-7	4-Chloro-3-methylphenol	150	U	33.9	150	200	ug/Kg
91-57-6	2-Methylnaphthalene	150	U	30.2	150	200	ug/Kg
77-47-4	Hexachlorocyclopentadiene	320	U	140	320	390	ug/Kg
88-06-2	2,4,6-Trichlorophenol	150	U	23.4	150	200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	150	U	34.4	150	200	ug/Kg
92-52-4	1,1-Biphenyl	150	U	25.7	150	200	ug/Kg
91-58-7	2-Chloronaphthalene	150	U	26.6	150	200	ug/Kg
88-74-4	2-Nitroaniline	150	U	56.8	150	200	ug/Kg
131-11-3	Dimethylphthalate	150	U	32.0	150	200	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	88H-SRE	SDG No.:	Q2820
Lab Sample ID:	Q2820-20RE	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	84.6
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
BP025482.D	1	08/13/25 09:05	08/19/25 18:58	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	150	U	34.1	150	200	ug/Kg
606-20-2	2,6-Dinitrotoluene	150	U	39.7	150	200	ug/Kg
99-09-2	3-Nitroaniline	150	U	54.3	150	200	ug/Kg
83-32-9	Acenaphthene	150	U	25.2	150	200	ug/Kg
51-28-5	2,4-Dinitrophenol	320	U	270	320	390	ug/Kg
100-02-7	4-Nitrophenol	320	U	130	320	390	ug/Kg
132-64-9	Dibenzofuran	150	U	26.8	150	200	ug/Kg
121-14-2	2,4-Dinitrotoluene	150	U	59.2	150	200	ug/Kg
84-66-2	Diethylphthalate	150	U	33.4	150	200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	150	U	31.5	150	200	ug/Kg
86-73-7	Fluorene	150	U	29.9	150	200	ug/Kg
100-01-6	4-Nitroaniline	150	U	75.8	150	200	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	320	U	120	320	390	ug/Kg
86-30-6	n-Nitrosodiphenylamine	150	U	38.9	150	200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	150	U	32.8	150	200	ug/Kg
118-74-1	Hexachlorobenzene	150	U	29.9	150	200	ug/Kg
1912-24-9	Atrazine	150	U	40.1	150	200	ug/Kg
87-86-5	Pentachlorophenol	320	U	60.6	320	390	ug/Kg
85-01-8	Phenanthrene	150	U	24.7	150	200	ug/Kg
120-12-7	Anthracene	150	U	39.3	150	200	ug/Kg
86-74-8	Carbazole	150	U	36.8	150	200	ug/Kg
84-74-2	Di-n-butylphthalate	150	U	56.6	150	200	ug/Kg
206-44-0	Fluoranthene	150	U	35.4	150	200	ug/Kg
129-00-0	Pyrene	150	U	42.5	150	200	ug/Kg
85-68-7	Butylbenzylphthalate	150	U	84.3	150	200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	320	U	43.3	320	390	ug/Kg
56-55-3	Benzo(a)anthracene	150	U	27.2	150	200	ug/Kg
218-01-9	Chrysene	150	U	23.5	150	200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	150	U	69.9	150	200	ug/Kg
117-84-0	Di-n-octyl phthalate	320	U	100	320	390	ug/Kg
205-99-2	Benzo(b)fluoranthene	150	U	22.4	150	200	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	88H-SRE	SDG No.:	Q2820
Lab Sample ID:	Q2820-20RE	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	84.6
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
BP025482.D	1	08/13/25 09:05	08/19/25 18:58	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	150	U	26.5	150	200	ug/Kg
50-32-8	Benzo(a)pyrene	150	U	34.8	150	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	150	U	34.4	150	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	150	U	32.4	150	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	150	U	30.3	150	200	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	150	U	30.2	150	200	ug/Kg
123-91-1	1,4-Dioxane	150	U	53.4	150	200	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	150	U	32.4	150	200	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	56.2		35 - 115		37%	SPK: 150
13127-88-3	Phenol-d6	56.1		34 - 127		37%	SPK: 150
4165-60-0	Nitrobenzene-d5	34.4	*	37 - 122		34%	SPK: 100
321-60-8	2-Fluorobiphenyl	29.8	*	44 - 115		30%	SPK: 100
118-79-6	2,4,6-Tribromophenol	57.6	*	39 - 132		38%	SPK: 150
1718-51-0	Terphenyl-d14	30.4	*	54 - 127		30%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	155000	7.784
1146-65-2	Naphthalene-d8	610000	10.554
15067-26-2	Acenaphthene-d10	414000	14.395
1517-22-2	Phenanthrene-d10	942000	17.189
1719-03-5	Chrysene-d12	1110000	21.63
1520-96-3	Perylene-d12	1190000	25.001

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

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	22M-N	SDG No.:	Q2820
Lab Sample ID:	Q2820-21	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	92.2
Sample Wt/Vol:	30.05 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
BP025410.D	1	08/13/25 09:05	08/15/25 02:22	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
100-52-7	Benzaldehyde	290	U	170	290	360	ug/Kg
108-95-2	Phenol	140	U	23.9	140	180	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	140	U	26.3	140	180	ug/Kg
95-57-8	2-Chlorophenol	140	U	26.4	140	180	ug/Kg
95-48-7	2-Methylphenol	140	U	32.4	140	180	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	140	U	40.6	140	180	ug/Kg
98-86-2	Acetophenone	140	U	31.9	140	180	ug/Kg
65794-96-9	3+4-Methylphenols	290	U	44.5	290	360	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	86.6	U	51.3	86.6	86.6	ug/Kg
67-72-1	Hexachloroethane	140	U	19.1	140	180	ug/Kg
98-95-3	Nitrobenzene	140	U	19.8	140	180	ug/Kg
78-59-1	Isophorone	140	U	35.5	140	180	ug/Kg
88-75-5	2-Nitrophenol	140	U	63.0	140	180	ug/Kg
105-67-9	2,4-Dimethylphenol	140	U	70.2	140	180	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	140	U	33.4	140	180	ug/Kg
120-83-2	2,4-Dichlorophenol	140	U	30.6	140	180	ug/Kg
91-20-3	Naphthalene	140	U	24.6	140	180	ug/Kg
106-47-8	4-Chloroaniline	140	U	38.3	140	180	ug/Kg
87-68-3	Hexachlorobutadiene	140	U	27.4	140	180	ug/Kg
105-60-2	Caprolactam	290	U	56.4	290	360	ug/Kg
59-50-7	4-Chloro-3-methylphenol	140	U	31.1	140	180	ug/Kg
91-57-6	2-Methylnaphthalene	140	U	27.7	140	180	ug/Kg
77-47-4	Hexachlorocyclopentadiene	290	U	130	290	360	ug/Kg
88-06-2	2,4,6-Trichlorophenol	140	U	21.4	140	180	ug/Kg
95-95-4	2,4,5-Trichlorophenol	140	U	31.5	140	180	ug/Kg
92-52-4	1,1-Biphenyl	140	U	23.6	140	180	ug/Kg
91-58-7	2-Chloronaphthalene	140	U	24.4	140	180	ug/Kg
88-74-4	2-Nitroaniline	140	U	52.1	140	180	ug/Kg
131-11-3	Dimethylphthalate	140	U	29.3	140	180	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	22M-N	SDG No.:	Q2820
Lab Sample ID:	Q2820-21	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	92.2
Sample Wt/Vol:	30.05 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
BP025410.D	1	08/13/25 09:05	08/15/25 02:22	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	140	U	31.3	140	180	ug/Kg
606-20-2	2,6-Dinitrotoluene	140	U	36.4	140	180	ug/Kg
99-09-2	3-Nitroaniline	140	U	49.8	140	180	ug/Kg
83-32-9	Acenaphthene	140	U	23.1	140	180	ug/Kg
51-28-5	2,4-Dinitrophenol	290	U	250	290	360	ug/Kg
100-02-7	4-Nitrophenol	290	U	120	290	360	ug/Kg
132-64-9	Dibenzofuran	140	U	24.6	140	180	ug/Kg
121-14-2	2,4-Dinitrotoluene	140	U	54.2	140	180	ug/Kg
84-66-2	Diethylphthalate	140	U	30.6	140	180	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	140	U	28.9	140	180	ug/Kg
86-73-7	Fluorene	140	U	27.4	140	180	ug/Kg
100-01-6	4-Nitroaniline	140	U	69.5	140	180	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	290	U	110	290	360	ug/Kg
86-30-6	n-Nitrosodiphenylamine	140	U	35.6	140	180	ug/Kg
101-55-3	4-Bromophenyl-phenylether	140	U	30.1	140	180	ug/Kg
118-74-1	Hexachlorobenzene	140	U	27.4	140	180	ug/Kg
1912-24-9	Atrazine	140	U	36.8	140	180	ug/Kg
87-86-5	Pentachlorophenol	290	U	55.5	290	360	ug/Kg
85-01-8	Phenanthrene	140	U	22.6	140	180	ug/Kg
120-12-7	Anthracene	140	U	36.1	140	180	ug/Kg
86-74-8	Carbazole	140	U	33.8	140	180	ug/Kg
84-74-2	Di-n-butylphthalate	140	U	51.9	140	180	ug/Kg
206-44-0	Fluoranthene	140	U	32.5	140	180	ug/Kg
129-00-0	Pyrene	140	U	39.0	140	180	ug/Kg
85-68-7	Butylbenzylphthalate	140	U	77.3	140	180	ug/Kg
91-94-1	3,3-Dichlorobenzidine	290	U	39.7	290	360	ug/Kg
56-55-3	Benzo(a)anthracene	140	U	24.9	140	180	ug/Kg
218-01-9	Chrysene	140	U	21.5	140	180	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	140	U	64.1	140	180	ug/Kg
117-84-0	Di-n-octyl phthalate	290	U	94.0	290	360	ug/Kg
205-99-2	Benzo(b)fluoranthene	140	U	20.6	140	180	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	22M-N	SDG No.:	Q2820
Lab Sample ID:	Q2820-21	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	92.2
Sample Wt/Vol:	30.05 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
BP025410.D	1	08/13/25 09:05	08/15/25 02:22	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	140	U	24.3	140	180	ug/Kg
50-32-8	Benzo(a)pyrene	140	U	31.9	140	180	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	140	U	31.5	140	180	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	140	U	29.7	140	180	ug/Kg
191-24-2	Benzo(g,h,i)perylene	140	U	27.8	140	180	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	140	U	27.7	140	180	ug/Kg
123-91-1	1,4-Dioxane	140	U	48.9	140	180	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	140	U	29.7	140	180	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	70.5		35 - 115		47%	SPK: 150
13127-88-3	Phenol-d6	70.7		34 - 127		47%	SPK: 150
4165-60-0	Nitrobenzene-d5	43.4		37 - 122		43%	SPK: 100
321-60-8	2-Fluorobiphenyl	40.0	*	44 - 115		40%	SPK: 100
118-79-6	2,4,6-Tribromophenol	71.3		39 - 132		48%	SPK: 150
1718-51-0	Terphenyl-d14	38.7	*	54 - 127		39%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	132000	7.79
1146-65-2	Naphthalene-d8	525000	10.56
15067-26-2	Acenaphthene-d10	351000	14.395
1517-22-2	Phenanthrene-d10	741000	17.195
1719-03-5	Chrysene-d12	857000	21.636
1520-96-3	Perylene-d12	991000	25.006

TENTATIVE IDENTIFIED COMPOUNDS

000994-05-8	Butane, 2-methoxy-2-methyl-	910	J		3.04	ug/Kg
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	150	AB		4.95	ug/Kg
000119-61-9	Benzophenone	190	J		15.8	ug/Kg
000057-10-3	n-Hexadecanoic acid	99.3	J		18.1	ug/Kg
1000406-04-8	Pentadecafluorooctanoic acid, octa	120	J		21.3	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	22M-N	SDG No.:	Q2820
Lab Sample ID:	Q2820-21	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	92.2
Sample Wt/Vol:	30.05 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
BP025410.D	1	08/13/25 09:05	08/15/25 02:22	PB169228

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

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	22M-NRE	SDG No.:	Q2820
Lab Sample ID:	Q2820-21RE	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	92.2
Sample Wt/Vol:	30.05 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
BP025434.D	1	08/13/25 09:05	08/15/25 19:40	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
100-52-7	Benzaldehyde	290	U	170	290	360	ug/Kg
108-95-2	Phenol	140	U	23.9	140	180	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	140	U	26.3	140	180	ug/Kg
95-57-8	2-Chlorophenol	140	U	26.4	140	180	ug/Kg
95-48-7	2-Methylphenol	140	U	32.4	140	180	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	140	U	40.6	140	180	ug/Kg
98-86-2	Acetophenone	140	U	31.9	140	180	ug/Kg
65794-96-9	3+4-Methylphenols	290	U	44.5	290	360	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	86.6	U	51.3	86.6	86.6	ug/Kg
67-72-1	Hexachloroethane	140	U	19.1	140	180	ug/Kg
98-95-3	Nitrobenzene	140	U	19.8	140	180	ug/Kg
78-59-1	Isophorone	140	U	35.5	140	180	ug/Kg
88-75-5	2-Nitrophenol	140	U	63.0	140	180	ug/Kg
105-67-9	2,4-Dimethylphenol	140	U	70.2	140	180	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	140	U	33.4	140	180	ug/Kg
120-83-2	2,4-Dichlorophenol	140	U	30.6	140	180	ug/Kg
91-20-3	Naphthalene	140	U	24.6	140	180	ug/Kg
106-47-8	4-Chloroaniline	140	U	38.3	140	180	ug/Kg
87-68-3	Hexachlorobutadiene	140	U	27.4	140	180	ug/Kg
105-60-2	Caprolactam	290	U	56.4	290	360	ug/Kg
59-50-7	4-Chloro-3-methylphenol	140	U	31.1	140	180	ug/Kg
91-57-6	2-Methylnaphthalene	140	U	27.7	140	180	ug/Kg
77-47-4	Hexachlorocyclopentadiene	290	U	130	290	360	ug/Kg
88-06-2	2,4,6-Trichlorophenol	140	U	21.4	140	180	ug/Kg
95-95-4	2,4,5-Trichlorophenol	140	U	31.5	140	180	ug/Kg
92-52-4	1,1-Biphenyl	140	U	23.6	140	180	ug/Kg
91-58-7	2-Chloronaphthalene	140	U	24.4	140	180	ug/Kg
88-74-4	2-Nitroaniline	140	U	52.1	140	180	ug/Kg
131-11-3	Dimethylphthalate	140	U	29.3	140	180	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	22M-NRE	SDG No.:	Q2820
Lab Sample ID:	Q2820-21RE	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	92.2
Sample Wt/Vol:	30.05 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
BP025434.D	1	08/13/25 09:05	08/15/25 19:40	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	140	U	31.3	140	180	ug/Kg
606-20-2	2,6-Dinitrotoluene	140	U	36.4	140	180	ug/Kg
99-09-2	3-Nitroaniline	140	U	49.8	140	180	ug/Kg
83-32-9	Acenaphthene	140	U	23.1	140	180	ug/Kg
51-28-5	2,4-Dinitrophenol	290	U	250	290	360	ug/Kg
100-02-7	4-Nitrophenol	290	U	120	290	360	ug/Kg
132-64-9	Dibenzofuran	140	U	24.6	140	180	ug/Kg
121-14-2	2,4-Dinitrotoluene	140	U	54.2	140	180	ug/Kg
84-66-2	Diethylphthalate	140	U	30.6	140	180	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	140	U	28.9	140	180	ug/Kg
86-73-7	Fluorene	140	U	27.4	140	180	ug/Kg
100-01-6	4-Nitroaniline	140	U	69.5	140	180	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	290	U	110	290	360	ug/Kg
86-30-6	n-Nitrosodiphenylamine	140	U	35.6	140	180	ug/Kg
101-55-3	4-Bromophenyl-phenylether	140	U	30.1	140	180	ug/Kg
118-74-1	Hexachlorobenzene	140	U	27.4	140	180	ug/Kg
1912-24-9	Atrazine	140	U	36.8	140	180	ug/Kg
87-86-5	Pentachlorophenol	290	U	55.5	290	360	ug/Kg
85-01-8	Phenanthrene	140	U	22.6	140	180	ug/Kg
120-12-7	Anthracene	140	U	36.1	140	180	ug/Kg
86-74-8	Carbazole	140	U	33.8	140	180	ug/Kg
84-74-2	Di-n-butylphthalate	140	U	51.9	140	180	ug/Kg
206-44-0	Fluoranthene	140	U	32.5	140	180	ug/Kg
129-00-0	Pyrene	140	U	39.0	140	180	ug/Kg
85-68-7	Butylbenzylphthalate	140	U	77.3	140	180	ug/Kg
91-94-1	3,3-Dichlorobenzidine	290	U	39.7	290	360	ug/Kg
56-55-3	Benzo(a)anthracene	140	U	24.9	140	180	ug/Kg
218-01-9	Chrysene	140	U	21.5	140	180	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	140	U	64.1	140	180	ug/Kg
117-84-0	Di-n-octyl phthalate	290	U	94.0	290	360	ug/Kg
205-99-2	Benzo(b)fluoranthene	140	U	20.6	140	180	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	22M-NRE	SDG No.:	Q2820
Lab Sample ID:	Q2820-21RE	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	92.2
Sample Wt/Vol:	30.05 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
BP025434.D	1	08/13/25 09:05	08/15/25 19:40	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	140	U	24.3	140	180	ug/Kg
50-32-8	Benzo(a)pyrene	140	U	31.9	140	180	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	140	U	31.5	140	180	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	140	U	29.7	140	180	ug/Kg
191-24-2	Benzo(g,h,i)perylene	140	U	27.8	140	180	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	140	U	27.7	140	180	ug/Kg
123-91-1	1,4-Dioxane	140	U	48.9	140	180	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	140	U	29.7	140	180	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	69.0		35 - 115		46%	SPK: 150
13127-88-3	Phenol-d6	70.8		34 - 127		47%	SPK: 150
4165-60-0	Nitrobenzene-d5	43.4		37 - 122		43%	SPK: 100
321-60-8	2-Fluorobiphenyl	40.4	*	44 - 115		40%	SPK: 100
118-79-6	2,4,6-Tribromophenol	71.3		39 - 132		48%	SPK: 150
1718-51-0	Terphenyl-d14	41.2	*	54 - 127		41%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	155000	7.79
1146-65-2	Naphthalene-d8	642000	10.554
15067-26-2	Acenaphthene-d10	416000	14.395
1517-22-2	Phenanthrene-d10	867000	17.189
1719-03-5	Chrysene-d12	930000	21.618
1520-96-3	Perylene-d12	1040000	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

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	22M-W	SDG No.:	Q2820
Lab Sample ID:	Q2820-22	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	52.9
Sample Wt/Vol:	30.02 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
BP025411.D	1	08/13/25 09:05	08/15/25 03:03	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
100-52-7	Benzaldehyde	510	U	290	510	620	ug/Kg
108-95-2	Phenol	250	U	41.7	250	320	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	250	U	45.9	250	320	ug/Kg
95-57-8	2-Chlorophenol	250	U	46.1	250	320	ug/Kg
95-48-7	2-Methylphenol	250	U	56.5	250	320	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	250	U	70.8	250	320	ug/Kg
98-86-2	Acetophenone	250	U	55.7	250	320	ug/Kg
65794-96-9	3+4-Methylphenols	510	U	77.6	510	620	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	150	U	89.5	150	150	ug/Kg
67-72-1	Hexachloroethane	250	U	33.2	250	320	ug/Kg
98-95-3	Nitrobenzene	250	U	34.6	250	320	ug/Kg
78-59-1	Isophorone	250	U	62.0	250	320	ug/Kg
88-75-5	2-Nitrophenol	250	U	110	250	320	ug/Kg
105-67-9	2,4-Dimethylphenol	250	U	120	250	320	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	250	U	58.2	250	320	ug/Kg
120-83-2	2,4-Dichlorophenol	250	U	53.5	250	320	ug/Kg
91-20-3	Naphthalene	250	U	42.9	250	320	ug/Kg
106-47-8	4-Chloroaniline	250	U	66.9	250	320	ug/Kg
87-68-3	Hexachlorobutadiene	250	U	47.8	250	320	ug/Kg
105-60-2	Caprolactam	510	U	98.4	510	620	ug/Kg
59-50-7	4-Chloro-3-methylphenol	250	U	54.2	250	320	ug/Kg
91-57-6	2-Methylnaphthalene	250	U	48.4	250	320	ug/Kg
77-47-4	Hexachlorocyclopentadiene	510	U	220	510	620	ug/Kg
88-06-2	2,4,6-Trichlorophenol	250	U	37.4	250	320	ug/Kg
95-95-4	2,4,5-Trichlorophenol	250	U	55.0	250	320	ug/Kg
92-52-4	1,1-Biphenyl	250	U	41.2	250	320	ug/Kg
91-58-7	2-Chloronaphthalene	250	U	42.5	250	320	ug/Kg
88-74-4	2-Nitroaniline	250	U	90.9	250	320	ug/Kg
131-11-3	Dimethylphthalate	250	U	51.2	250	320	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	22M-W	SDG No.:	Q2820
Lab Sample ID:	Q2820-22	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	52.9
Sample Wt/Vol:	30.02 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
BP025411.D	1	08/13/25 09:05	08/15/25 03:03	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	250	U	54.6	250	320	ug/Kg
606-20-2	2,6-Dinitrotoluene	250	U	63.5	250	320	ug/Kg
99-09-2	3-Nitroaniline	250	U	86.9	250	320	ug/Kg
83-32-9	Acenaphthene	250	U	40.2	250	320	ug/Kg
51-28-5	2,4-Dinitrophenol	510	U	430	510	620	ug/Kg
100-02-7	4-Nitrophenol	510	U	200	510	620	ug/Kg
132-64-9	Dibenzofuran	250	U	42.9	250	320	ug/Kg
121-14-2	2,4-Dinitrotoluene	250	U	94.6	250	320	ug/Kg
84-66-2	Diethylphthalate	250	U	53.5	250	320	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	250	U	50.4	250	320	ug/Kg
86-73-7	Fluorene	250	U	47.8	250	320	ug/Kg
100-01-6	4-Nitroaniline	250	U	120	250	320	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	510	U	190	510	620	ug/Kg
86-30-6	n-Nitrosodiphenylamine	250	U	62.2	250	320	ug/Kg
101-55-3	4-Bromophenyl-phenylether	250	U	52.5	250	320	ug/Kg
118-74-1	Hexachlorobenzene	250	U	47.8	250	320	ug/Kg
1912-24-9	Atrazine	250	U	64.2	250	320	ug/Kg
87-86-5	Pentachlorophenol	510	U	96.9	510	620	ug/Kg
85-01-8	Phenanthrene	250	U	39.5	250	320	ug/Kg
120-12-7	Anthracene	250	U	62.9	250	320	ug/Kg
86-74-8	Carbazole	250	U	58.9	250	320	ug/Kg
84-74-2	Di-n-butylphthalate	250	U	90.5	250	320	ug/Kg
206-44-0	Fluoranthene	250	U	56.7	250	320	ug/Kg
129-00-0	Pyrene	250	U	68.0	250	320	ug/Kg
85-68-7	Butylbenzylphthalate	250	U	130	250	320	ug/Kg
91-94-1	3,3-Dichlorobenzidine	510	U	69.3	510	620	ug/Kg
56-55-3	Benzo(a)anthracene	250	U	43.4	250	320	ug/Kg
218-01-9	Chrysene	250	U	37.6	250	320	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	250	U	110	250	320	ug/Kg
117-84-0	Di-n-octyl phthalate	510	U	160	510	620	ug/Kg
205-99-2	Benzo(b)fluoranthene	250	U	35.9	250	320	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	22M-W	SDG No.:	Q2820
Lab Sample ID:	Q2820-22	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	52.9
Sample Wt/Vol:	30.02 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
BP025411.D	1	08/13/25 09:05	08/15/25 03:03	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	250	U	42.3	250	320	ug/Kg
50-32-8	Benzo(a)pyrene	250	U	55.7	250	320	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	250	U	55.0	250	320	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	250	U	51.8	250	320	ug/Kg
191-24-2	Benzo(g,h,i)perylene	250	U	48.5	250	320	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	250	U	48.4	250	320	ug/Kg
123-91-1	1,4-Dioxane	250	U	85.4	250	320	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	250	U	51.8	250	320	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	75.3		35 - 115		50%	SPK: 150
13127-88-3	Phenol-d6	74.0		34 - 127		49%	SPK: 150
4165-60-0	Nitrobenzene-d5	48.4		37 - 122		48%	SPK: 100
321-60-8	2-Fluorobiphenyl	41.7	*	44 - 115		42%	SPK: 100
118-79-6	2,4,6-Tribromophenol	76.8		39 - 132		51%	SPK: 150
1718-51-0	Terphenyl-d14	37.9	*	54 - 127		38%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	135000	7.79
1146-65-2	Naphthalene-d8	523000	10.555
15067-26-2	Acenaphthene-d10	345000	14.396
1517-22-2	Phenanthrene-d10	728000	17.189
1719-03-5	Chrysene-d12	862000	21.63
1520-96-3	Perylene-d12	1000000	24.995

TENTATIVE IDENTIFIED COMPOUNDS

000994-05-8	Butane, 2-methoxy-2-methyl-	2000	J		3.04	ug/Kg
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	290	AB		4.95	ug/Kg
000119-61-9	Benzophenone	410	J		15.8	ug/Kg
000057-10-3	n-Hexadecanoic acid	210	J		18.1	ug/Kg
018835-33-1	1-Hexacosene	360	J		21.3	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	22M-W	SDG No.:	Q2820
Lab Sample ID:	Q2820-22	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	52.9
Sample Wt/Vol:	30.02 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
BP025411.D	1	08/13/25 09:05	08/15/25 03:03	PB169228

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

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	22M-WRE	SDG No.:	Q2820
Lab Sample ID:	Q2820-22RE	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	52.9
Sample Wt/Vol:	30.02 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
BP025435.D	1	08/13/25 09:05	08/15/25 20:21	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
100-52-7	Benzaldehyde	510	U	290	510	620	ug/Kg
108-95-2	Phenol	250	U	41.7	250	320	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	250	U	45.9	250	320	ug/Kg
95-57-8	2-Chlorophenol	250	U	46.1	250	320	ug/Kg
95-48-7	2-Methylphenol	250	U	56.5	250	320	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	250	U	70.8	250	320	ug/Kg
98-86-2	Acetophenone	250	U	55.7	250	320	ug/Kg
65794-96-9	3+4-Methylphenols	510	U	77.6	510	620	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	150	U	89.5	150	150	ug/Kg
67-72-1	Hexachloroethane	250	U	33.2	250	320	ug/Kg
98-95-3	Nitrobenzene	250	U	34.6	250	320	ug/Kg
78-59-1	Isophorone	250	U	62.0	250	320	ug/Kg
88-75-5	2-Nitrophenol	250	U	110	250	320	ug/Kg
105-67-9	2,4-Dimethylphenol	250	U	120	250	320	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	250	U	58.2	250	320	ug/Kg
120-83-2	2,4-Dichlorophenol	250	U	53.5	250	320	ug/Kg
91-20-3	Naphthalene	250	U	42.9	250	320	ug/Kg
106-47-8	4-Chloroaniline	250	U	66.9	250	320	ug/Kg
87-68-3	Hexachlorobutadiene	250	U	47.8	250	320	ug/Kg
105-60-2	Caprolactam	510	U	98.4	510	620	ug/Kg
59-50-7	4-Chloro-3-methylphenol	250	U	54.2	250	320	ug/Kg
91-57-6	2-Methylnaphthalene	250	U	48.4	250	320	ug/Kg
77-47-4	Hexachlorocyclopentadiene	510	U	220	510	620	ug/Kg
88-06-2	2,4,6-Trichlorophenol	250	U	37.4	250	320	ug/Kg
95-95-4	2,4,5-Trichlorophenol	250	U	55.0	250	320	ug/Kg
92-52-4	1,1-Biphenyl	250	U	41.2	250	320	ug/Kg
91-58-7	2-Chloronaphthalene	250	U	42.5	250	320	ug/Kg
88-74-4	2-Nitroaniline	250	U	90.9	250	320	ug/Kg
131-11-3	Dimethylphthalate	250	U	51.2	250	320	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	22M-WRE	SDG No.:	Q2820
Lab Sample ID:	Q2820-22RE	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	52.9
Sample Wt/Vol:	30.02 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
BP025435.D	1	08/13/25 09:05	08/15/25 20:21	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	250	U	54.6	250	320	ug/Kg
606-20-2	2,6-Dinitrotoluene	250	U	63.5	250	320	ug/Kg
99-09-2	3-Nitroaniline	250	U	86.9	250	320	ug/Kg
83-32-9	Acenaphthene	250	U	40.2	250	320	ug/Kg
51-28-5	2,4-Dinitrophenol	510	U	430	510	620	ug/Kg
100-02-7	4-Nitrophenol	510	U	200	510	620	ug/Kg
132-64-9	Dibenzofuran	250	U	42.9	250	320	ug/Kg
121-14-2	2,4-Dinitrotoluene	250	U	94.6	250	320	ug/Kg
84-66-2	Diethylphthalate	250	U	53.5	250	320	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	250	U	50.4	250	320	ug/Kg
86-73-7	Fluorene	250	U	47.8	250	320	ug/Kg
100-01-6	4-Nitroaniline	250	U	120	250	320	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	510	U	190	510	620	ug/Kg
86-30-6	n-Nitrosodiphenylamine	250	U	62.2	250	320	ug/Kg
101-55-3	4-Bromophenyl-phenylether	250	U	52.5	250	320	ug/Kg
118-74-1	Hexachlorobenzene	250	U	47.8	250	320	ug/Kg
1912-24-9	Atrazine	250	U	64.2	250	320	ug/Kg
87-86-5	Pentachlorophenol	510	U	96.9	510	620	ug/Kg
85-01-8	Phenanthrene	250	U	39.5	250	320	ug/Kg
120-12-7	Anthracene	250	U	62.9	250	320	ug/Kg
86-74-8	Carbazole	250	U	58.9	250	320	ug/Kg
84-74-2	Di-n-butylphthalate	250	U	90.5	250	320	ug/Kg
206-44-0	Fluoranthene	250	U	56.7	250	320	ug/Kg
129-00-0	Pyrene	250	U	68.0	250	320	ug/Kg
85-68-7	Butylbenzylphthalate	250	U	130	250	320	ug/Kg
91-94-1	3,3-Dichlorobenzidine	510	U	69.3	510	620	ug/Kg
56-55-3	Benzo(a)anthracene	250	U	43.4	250	320	ug/Kg
218-01-9	Chrysene	250	U	37.6	250	320	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	250	U	110	250	320	ug/Kg
117-84-0	Di-n-octyl phthalate	510	U	160	510	620	ug/Kg
205-99-2	Benzo(b)fluoranthene	250	U	35.9	250	320	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	22M-WRE	SDG No.:	Q2820
Lab Sample ID:	Q2820-22RE	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	52.9
Sample Wt/Vol:	30.02 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
BP025435.D	1	08/13/25 09:05	08/15/25 20:21	PB169228

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	250	U	42.3	250	320	ug/Kg
50-32-8	Benzo(a)pyrene	250	U	55.7	250	320	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	250	U	55.0	250	320	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	250	U	51.8	250	320	ug/Kg
191-24-2	Benzo(g,h,i)perylene	250	U	48.5	250	320	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	250	U	48.4	250	320	ug/Kg
123-91-1	1,4-Dioxane	250	U	85.4	250	320	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	250	U	51.8	250	320	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	76.0		35 - 115		51%	SPK: 150
13127-88-3	Phenol-d6	78.0		34 - 127		52%	SPK: 150
4165-60-0	Nitrobenzene-d5	47.9		37 - 122		48%	SPK: 100
321-60-8	2-Fluorobiphenyl	41.2	*	44 - 115		41%	SPK: 100
118-79-6	2,4,6-Tribromophenol	73.5		39 - 132		49%	SPK: 150
1718-51-0	Terphenyl-d14	39.8	*	54 - 127		40%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	156000	7.79
1146-65-2	Naphthalene-d8	656000	10.56
15067-26-2	Acenaphthene-d10	438000	14.395
1517-22-2	Phenanthrene-d10	898000	17.189
1719-03-5	Chrysene-d12	904000	21.636
1520-96-3	Perylene-d12	1010000	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

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	22M-E	SDG No.:	Q2820
Lab Sample ID:	Q2820-23	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	34
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
BP025523.D	1	08/14/25 08:40	08/21/25 01:56	PB169242

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
100-52-7	Benzaldehyde	790	U	460	790	970	ug/Kg
108-95-2	Phenol	380	U	64.8	380	500	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	380	U	71.3	380	500	ug/Kg
95-57-8	2-Chlorophenol	380	U	71.6	380	500	ug/Kg
95-48-7	2-Methylphenol	380	U	87.7	380	500	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	380	U	110	380	500	ug/Kg
98-86-2	Acetophenone	380	U	86.6	380	500	ug/Kg
65794-96-9	3+4-Methylphenols	790	U	120	790	970	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	230	U	140	230	230	ug/Kg
67-72-1	Hexachloroethane	380	U	51.6	380	500	ug/Kg
98-95-3	Nitrobenzene	380	U	53.7	380	500	ug/Kg
78-59-1	Isophorone	380	U	96.2	380	500	ug/Kg
88-75-5	2-Nitrophenol	380	U	170	380	500	ug/Kg
105-67-9	2,4-Dimethylphenol	380	U	190	380	500	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	380	U	90.4	380	500	ug/Kg
120-83-2	2,4-Dichlorophenol	380	U	83.0	380	500	ug/Kg
91-20-3	Naphthalene	380	U	66.6	380	500	ug/Kg
106-47-8	4-Chloroaniline	380	U	100	380	500	ug/Kg
87-68-3	Hexachlorobutadiene	380	U	74.2	380	500	ug/Kg
105-60-2	Caprolactam	790	U	150	790	970	ug/Kg
59-50-7	4-Chloro-3-methylphenol	380	U	84.2	380	500	ug/Kg
91-57-6	2-Methylnaphthalene	380	U	75.1	380	500	ug/Kg
77-47-4	Hexachlorocyclopentadiene	790	U	340	790	970	ug/Kg
88-06-2	2,4,6-Trichlorophenol	380	U	58.1	380	500	ug/Kg
95-95-4	2,4,5-Trichlorophenol	380	U	85.4	380	500	ug/Kg
92-52-4	1,1-Biphenyl	380	U	64.0	380	500	ug/Kg
91-58-7	2-Chloronaphthalene	380	U	66.0	380	500	ug/Kg
88-74-4	2-Nitroaniline	380	U	140	380	500	ug/Kg
131-11-3	Dimethylphthalate	380	U	79.5	380	500	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	22M-E	SDG No.:	Q2820
Lab Sample ID:	Q2820-23	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	34
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
BP025523.D	1	08/14/25 08:40	08/21/25 01:56	PB169242

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	380	U	84.8	380	500	ug/Kg
606-20-2	2,6-Dinitrotoluene	380	U	98.6	380	500	ug/Kg
99-09-2	3-Nitroaniline	380	U	130	380	500	ug/Kg
83-32-9	Acenaphthene	380	U	62.5	380	500	ug/Kg
51-28-5	2,4-Dinitrophenol	790	U	670	790	970	ug/Kg
100-02-7	4-Nitrophenol	790	U	310	790	970	ug/Kg
132-64-9	Dibenzofuran	380	U	66.6	380	500	ug/Kg
121-14-2	2,4-Dinitrotoluene	380	U	150	380	500	ug/Kg
84-66-2	Diethylphthalate	380	U	83.0	380	500	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	380	U	78.3	380	500	ug/Kg
86-73-7	Fluorene	380	U	74.2	380	500	ug/Kg
100-01-6	4-Nitroaniline	380	U	190	380	500	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	790	U	300	790	970	ug/Kg
86-30-6	n-Nitrosodiphenylamine	380	U	96.5	380	500	ug/Kg
101-55-3	4-Bromophenyl-phenylether	380	U	81.6	380	500	ug/Kg
118-74-1	Hexachlorobenzene	380	U	74.2	380	500	ug/Kg
1912-24-9	Atrazine	380	U	99.8	380	500	ug/Kg
87-86-5	Pentachlorophenol	790	U	150	790	970	ug/Kg
85-01-8	Phenanthrene	380	U	61.3	380	500	ug/Kg
120-12-7	Anthracene	380	U	97.7	380	500	ug/Kg
86-74-8	Carbazole	380	U	91.6	380	500	ug/Kg
84-74-2	Di-n-butylphthalate	380	U	140	380	500	ug/Kg
206-44-0	Fluoranthene	380	U	88.0	380	500	ug/Kg
129-00-0	Pyrene	380	U	110	380	500	ug/Kg
85-68-7	Butylbenzylphthalate	380	U	210	380	500	ug/Kg
91-94-1	3,3-Dichlorobenzidine	790	U	110	790	970	ug/Kg
56-55-3	Benzo(a)anthracene	380	U	67.5	380	500	ug/Kg
218-01-9	Chrysene	380	U	58.4	380	500	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	380	U	170	380	500	ug/Kg
117-84-0	Di-n-octyl phthalate	790	U	250	790	970	ug/Kg
205-99-2	Benzo(b)fluoranthene	380	U	55.8	380	500	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	22M-E	SDG No.:	Q2820
Lab Sample ID:	Q2820-23	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	34
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
BP025523.D	1	08/14/25 08:40	08/21/25 01:56	PB169242

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	380	U	65.7	380	500	ug/Kg
50-32-8	Benzo(a)pyrene	380	U	86.6	380	500	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	380	U	85.4	380	500	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	380	U	80.4	380	500	ug/Kg
191-24-2	Benzo(g,h,i)perylene	380	U	75.4	380	500	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	380	U	75.1	380	500	ug/Kg
123-91-1	1,4-Dioxane	380	UQ	130	380	500	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	380	U	80.4	380	500	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	80.7		35 - 115		54%	SPK: 150
13127-88-3	Phenol-d6	77.1		34 - 127		51%	SPK: 150
4165-60-0	Nitrobenzene-d5	54.0		37 - 122		54%	SPK: 100
321-60-8	2-Fluorobiphenyl	45.6		44 - 115		46%	SPK: 100
118-79-6	2,4,6-Tribromophenol	77.9		39 - 132		52%	SPK: 150
1718-51-0	Terphenyl-d14	37.8	*	54 - 127		38%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	171000	7.784
1146-65-2	Naphthalene-d8	650000	10.555
15067-26-2	Acenaphthene-d10	384000	14.401
1517-22-2	Phenanthrene-d10	762000	17.195
1719-03-5	Chrysene-d12	898000	21.63
1520-96-3	Perylene-d12	1030000	24.989

TENTATIVE IDENTIFIED COMPOUNDS

000994-05-8	Butane, 2-methoxy-2-methyl-	3000	J		3.04	ug/Kg
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	470	AB		4.95	ug/Kg
000119-61-9	Benzophenone	710	J		15.8	ug/Kg
000057-10-3	n-Hexadecanoic acid	640	J		18.1	ug/Kg
000110-34-9	Hexadecanoic acid, 2-methylpropyl	440	JB		19.4	ug/Kg
000111-06-8	Hexadecanoic acid, butyl ester	560	JB		19.6	ug/Kg
000646-13-9	Octadecanoic acid, 2-methylpropyl	230	J		20.5	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	22M-E	SDG No.:	Q2820
Lab Sample ID:	Q2820-23	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	34
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
BP025523.D	1	08/14/25 08:40	08/21/25 01:56	PB169242

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
000123-95-5	Octadecanoic acid, butyl ester	460	JB			20.7	ug/Kg
077899-03-7	1-Heneicosyl formate	770	J			21.3	ug/Kg
000629-97-0	Docosane	200	J			21.9	ug/Kg
000593-45-3	Octadecane	300	J			22.5	ug/Kg

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

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	22M-S	SDG No.:	Q2820
Lab Sample ID:	Q2820-24	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	89
Sample Wt/Vol:	30.02 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
BF143520.D	1	08/14/25 08:40	08/21/25 10:20	PB169242

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
100-52-7	Benzaldehyde	300	U	180	300	370	ug/Kg
108-95-2	Phenol	150	U	24.8	150	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	150	U	27.3	150	190	ug/Kg
95-57-8	2-Chlorophenol	150	U	27.4	150	190	ug/Kg
95-48-7	2-Methylphenol	150	U	33.6	150	190	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	150	U	42.1	150	190	ug/Kg
98-86-2	Acetophenone	150	U	33.1	150	190	ug/Kg
65794-96-9	3+4-Methylphenols	300	U	46.1	300	370	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	89.8	U	53.2	89.8	89.8	ug/Kg
67-72-1	Hexachloroethane	150	U	19.8	150	190	ug/Kg
98-95-3	Nitrobenzene	150	U	20.5	150	190	ug/Kg
78-59-1	Isophorone	150	U	36.8	150	190	ug/Kg
88-75-5	2-Nitrophenol	150	U	65.3	150	190	ug/Kg
105-67-9	2,4-Dimethylphenol	150	U	72.8	150	190	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	150	U	34.6	150	190	ug/Kg
120-83-2	2,4-Dichlorophenol	150	U	31.8	150	190	ug/Kg
91-20-3	Naphthalene	150	U	25.5	150	190	ug/Kg
106-47-8	4-Chloroaniline	150	U	39.7	150	190	ug/Kg
87-68-3	Hexachlorobutadiene	150	U	28.4	150	190	ug/Kg
105-60-2	Caprolactam	300	U	58.5	300	370	ug/Kg
59-50-7	4-Chloro-3-methylphenol	150	U	32.2	150	190	ug/Kg
91-57-6	2-Methylnaphthalene	150	U	28.7	150	190	ug/Kg
77-47-4	Hexachlorocyclopentadiene	300	U	130	300	370	ug/Kg
88-06-2	2,4,6-Trichlorophenol	150	U	22.2	150	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	150	U	32.7	150	190	ug/Kg
92-52-4	1,1-Biphenyl	150	U	24.5	150	190	ug/Kg
91-58-7	2-Chloronaphthalene	150	U	25.3	150	190	ug/Kg
88-74-4	2-Nitroaniline	150	U	54.0	150	190	ug/Kg
131-11-3	Dimethylphthalate	150	U	30.4	150	190	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	22M-S	SDG No.:	Q2820
Lab Sample ID:	Q2820-24	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	89
Sample Wt/Vol:	30.02 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
BF143520.D	1	08/14/25 08:40	08/21/25 10:20	PB169242

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	150	U	32.5	150	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	150	U	37.7	150	190	ug/Kg
99-09-2	3-Nitroaniline	150	U	51.7	150	190	ug/Kg
83-32-9	Acenaphthene	150	U	23.9	150	190	ug/Kg
51-28-5	2,4-Dinitrophenol	300	U	260	300	370	ug/Kg
100-02-7	4-Nitrophenol	300	U	120	300	370	ug/Kg
132-64-9	Dibenzofuran	150	U	25.5	150	190	ug/Kg
121-14-2	2,4-Dinitrotoluene	150	U	56.3	150	190	ug/Kg
84-66-2	Diethylphthalate	150	U	31.8	150	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	150	U	30.0	150	190	ug/Kg
86-73-7	Fluorene	150	U	28.4	150	190	ug/Kg
100-01-6	4-Nitroaniline	150	U	72.1	150	190	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	300	U	120	300	370	ug/Kg
86-30-6	n-Nitrosodiphenylamine	150	U	36.9	150	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	150	U	31.2	150	190	ug/Kg
118-74-1	Hexachlorobenzene	150	U	28.4	150	190	ug/Kg
1912-24-9	Atrazine	150	U	38.2	150	190	ug/Kg
87-86-5	Pentachlorophenol	300	U	57.6	300	370	ug/Kg
85-01-8	Phenanthrene	150	U	23.5	150	190	ug/Kg
120-12-7	Anthracene	150	U	37.4	150	190	ug/Kg
86-74-8	Carbazole	150	U	35.0	150	190	ug/Kg
84-74-2	Di-n-butylphthalate	150	U	53.8	150	190	ug/Kg
206-44-0	Fluoranthene	150	U	33.7	150	190	ug/Kg
129-00-0	Pyrene	110	J	40.4	150	190	ug/Kg
85-68-7	Butylbenzylphthalate	150	U	80.2	150	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	300	U	41.2	300	370	ug/Kg
56-55-3	Benzo(a)anthracene	150	U	25.8	150	190	ug/Kg
218-01-9	Chrysene	150	U	22.3	150	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	150	U	66.5	150	190	ug/Kg
117-84-0	Di-n-octyl phthalate	300	U	97.5	300	370	ug/Kg
205-99-2	Benzo(b)fluoranthene	150	U	21.3	150	190	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	22M-S	SDG No.:	Q2820
Lab Sample ID:	Q2820-24	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	89
Sample Wt/Vol:	30.02 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
BF143520.D	1	08/14/25 08:40	08/21/25 10:20	PB169242

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	150	U	25.2	150	190	ug/Kg
50-32-8	Benzo(a)pyrene	150	U	33.1	150	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	150	U	32.7	150	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	150	U	30.8	150	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	150	U	28.9	150	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	150	U	28.7	150	190	ug/Kg
123-91-1	1,4-Dioxane	150	UQ	50.8	150	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	150	U	30.8	150	190	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	62.6		35 - 115		42%	SPK: 150
13127-88-3	Phenol-d6	67.2		34 - 127		45%	SPK: 150
4165-60-0	Nitrobenzene-d5	56.6		37 - 122		57%	SPK: 100
321-60-8	2-Fluorobiphenyl	52.5		44 - 115		52%	SPK: 100
118-79-6	2,4,6-Tribromophenol	58.6		39 - 132		39%	SPK: 150
1718-51-0	Terphenyl-d14	37.8	*	54 - 127		38%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	141000	6.928
1146-65-2	Naphthalene-d8	461000	8.21
15067-26-2	Acenaphthene-d10	219000	9.975
1517-22-2	Phenanthrene-d10	311000	11.463
1719-03-5	Chrysene-d12	256000	14.098
1520-96-3	Perylene-d12	303000	15.592

TENTATIVE IDENTIFIED COMPOUNDS

000994-05-8	Butane, 2-methoxy-2-methyl-	620	J		2.26	ug/Kg
017301-23-4	Undecane, 2,6-dimethyl-	630	J		8.28	ug/Kg
	unknown8.504	670	J		8.50	ug/Kg
062108-25-2	Decane, 2,6,7-trimethyl-	1700	J		8.63	ug/Kg
000629-50-5	Tridecane	480	J		8.80	ug/Kg
007098-22-8	Tetratetracontane	520	J		8.90	ug/Kg
1000382-90-5	Carbonic acid, decyl prop-1-en-2-y	530	J		9.09	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	22M-S	SDG No.:	Q2820
Lab Sample ID:	Q2820-24	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	89
Sample Wt/Vol:	30.02 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
BF143520.D	1	08/14/25 08:40	08/21/25 10:20	PB169242

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
001560-96-9	Tridecane, 2-methyl-	660	J			9.17	ug/Kg
006418-41-3	Tridecane, 3-methyl-	920	J			9.21	ug/Kg
	unknown9.375	3900	J			9.38	ug/Kg
1000309-14-4	Sulfurous acid, pentyl undecyl est	5900	J			9.69	ug/Kg
035507-09-6	7-Hexadecene, (Z)-	750	J			9.85	ug/Kg
1000282-04-8	Methoxyacetic acid, 2-tetradecyl e	2800	J			10.2	ug/Kg
000829-26-5	Naphthalene, 2,3,6-trimethyl-	950	J			10.3	ug/Kg
006975-98-0	Decane, 2-methyl-	3600	J			10.6	ug/Kg
026730-12-1	Tridecane, 4-methyl-	5500	J			10.9	ug/Kg
000629-78-7	Heptadecane	3200	J			11.4	ug/Kg
026429-11-8	Heptadecane, 4-methyl-	1500	J			11.7	ug/Kg
001576-67-6	Phenanthrene, 3,6-dimethyl-	750	J			12.4	ug/Kg
003674-66-6	Phenanthrene, 2,5-dimethyl-	550	J			12.5	ug/Kg

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

LAB CHRONICLE

OrderID:	Q2820	OrderDate:	8/11/2025 12:29:00 PM
Client:	First Environment, Inc.	Project:	USACE018-44 DOD
Contact:	Al Smith	Location:	D31,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2820-01	82H-S	SOIL	SVOC-TCL BNA -20	8270E	08/06/25	08/12/25	08/13/25	08/08/25
Q2820-01RE	82H-SRE	SOIL	SVOC-TCL BNA -20	8270E	08/06/25	08/12/25	08/15/25	08/08/25
Q2820-02	82H-W	SOIL	SVOC-TCL BNA -20	8270E	08/06/25	08/12/25	08/13/25	08/08/25
Q2820-03	82H-N	SOIL	SVOC-TCL BNA -20	8270E	08/06/25	08/12/25	08/13/25	08/08/25
Q2820-04	SOIL-DUP-1	SOIL	SVOC-TCL BNA -20	8270E	08/06/25	08/12/25	08/13/25	08/08/25
Q2820-05	518R-E	SOIL	SVOC-TCL BNA -20	8270E	08/07/25	08/12/25	08/13/25	08/08/25
Q2820-06	518R-N	SOIL	SVOC-TCL BNA -20	8270E	08/07/25	08/12/25	08/13/25	08/08/25
Q2820-07	518R-S	SOIL	SVOC-TCL BNA -20	8270E	08/07/25	08/12/25	08/13/25	08/08/25
Q2820-07RE	518R-SRE	SOIL	SVOC-TCL BNA -20	8270E	08/07/25	08/12/25	08/15/25	08/08/25
Q2820-08	518R-W	SOIL	SVOC-TCL BNA -20	8270E	08/07/25	08/12/25	08/13/25	08/08/25
Q2820-09	705R-S	SOIL	SVOC-TCL BNA -20	8270E	08/07/25	08/12/25	08/13/25	08/08/25
Q2820-10	SOIL-DUP-2	SOIL			08/07/25			08/08/25

LAB CHRONICLE

			SVOC-TCL BNA -20	8270E		08/13/25	08/15/25	
Q2820-11	10PC-W	SOIL			08/07/25			08/08/25
			SVOC-TCL BNA -20	8270E		08/13/25	08/15/25	
Q2820-12	10PC-S	SOIL			08/07/25			08/08/25
			SVOC-TCL BNA -20	8270E		08/13/25	08/21/25	
Q2820-13	10P-W	SOIL			08/07/25			08/08/25
			SVOC-TCL BNA -20	8270E		08/13/25	08/20/25	
Q2820-14	10P-E	SOIL			08/07/25			08/08/25
			SVOC-TCL BNA -20	8270E		08/13/25	08/15/25	
Q2820-15	10P-S	SOIL			08/07/25			08/08/25
			SVOC-TCL BNA -20	8270E		08/13/25	08/21/25	
Q2820-16	10P-N	SOIL			08/07/25			08/08/25
			SVOC-TCL BNA -20	8270E		08/13/25	08/15/25	
Q2820-17	88H-E	SOIL			08/08/25			08/08/25
			SVOC-TCL BNA -20	8270E		08/13/25	08/15/25	
Q2820-18	88H-N	SOIL			08/08/25			08/08/25
			SVOC-TCL BNA -20	8270E		08/13/25	08/15/25	
Q2820-19	88H-W	SOIL			08/08/25			08/08/25
			SVOC-TCL BNA -20	8270E		08/13/25	08/15/25	
Q2820-19RE	88H-WRE	SOIL			08/08/25			08/08/25
			SVOC-TCL BNA -20	8270E		08/13/25	08/19/25	
Q2820-20	88H-S	SOIL			08/08/25			08/08/25
			SVOC-TCL BNA -20	8270E		08/13/25	08/15/25	
Q2820-20RE	88H-SRE	SOIL			08/08/25			08/08/25
			SVOC-TCL BNA -20	8270E		08/13/25	08/19/25	
Q2820-21	22M-N	SOIL			08/08/25			08/08/25
			SVOC-TCL BNA -20	8270E		08/13/25	08/15/25	
Q2820-21RE	22M-NRE	SOIL			08/08/25			08/08/25
			SVOC-TCL BNA -20	8270E		08/13/25	08/15/25	

LAB CHRONICLE

Q2820-22	22M-W	SOIL			08/08/25			08/08/25
			SVOC-TCL BNA -20	8270E		08/13/25	08/15/25	
Q2820-22RE	22M-WRE	SOIL			08/08/25			08/08/25
			SVOC-TCL BNA -20	8270E		08/13/25	08/15/25	
Q2820-23	22M-E	SOIL			08/08/25			08/08/25
			SVOC-TCL BNA -20	8270E		08/14/25	08/21/25	
Q2820-24	22M-S	SOIL			08/08/25			08/08/25
			SVOC-TCL BNA -20	8270E		08/14/25	08/21/25	

Hit Summary Sheet
SW-846

SDG No.: Q2820

Order ID: Q2820

Client: First Environment, Inc.

Project ID: USACE018-44 DOD

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID : 705R-S									
Q2820-09	705R-S	SOIL	4,4-DDE	1.40	J	0.25	0.59	3.00	ug/kg
Q2820-09	705R-S	SOIL	4,4-DDD	4.30		0.27	0.59	3.00	ug/kg
Total Concentration:				5.700					
Client ID : 705R-SRE									
Q2820-09RE	705R-SRE	SOIL	4,4-DDE	1.40	J	0.25	0.59	3.00	ug/kg
Q2820-09RE	705R-SRE	SOIL	4,4-DDD	4.30		0.27	0.59	3.00	ug/kg
Total Concentration:				5.700					
Client ID : SOIL-DUP-2									
Q2820-10	SOIL-DUP-2	SOIL	4,4-DDE	0.61	J	0.29	0.68	3.50	ug/kg
Q2820-10	SOIL-DUP-2	SOIL	4,4-DDD	1.50	J	0.31	0.68	3.50	ug/kg
Total Concentration:				2.110					
Client ID : 22M-S									
Q2820-24	22M-S	SOIL	Heptachlor epoxide	1.10	JP	0.21	0.93	1.90	ug/kg
Q2820-24	22M-S	SOIL	alpha-Chlordane	3.00	P	0.13	0.37	1.90	ug/kg
Q2820-24	22M-S	SOIL	gamma-Chlordane	1.40	J	0.17	0.37	1.90	ug/kg
Total Concentration:				5.500					



SAMPLE DATA

A

B

C

D

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:	8081B	% Solid:	55.8
Sample Wt/Vol:	30.06	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089896.D	1	08/12/25 08:16	08/14/25 14:41	PB169206

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
319-84-6	alpha-BHC	0.59	U	0.23	0.59	3.00	ug/kg
319-85-7	beta-BHC	1.50	U	0.32	1.50	3.00	ug/kg
319-86-8	delta-BHC	1.50	U	0.70	1.50	3.00	ug/kg
58-89-9	gamma-BHC (Lindane)	0.59	U	0.25	0.59	3.00	ug/kg
76-44-8	Heptachlor	0.59	U	0.21	0.59	3.00	ug/kg
309-00-2	Aldrin	0.59	U	0.21	0.59	3.00	ug/kg
1024-57-3	Heptachlor epoxide	1.50	U	0.34	1.50	3.00	ug/kg
959-98-8	Endosulfan I	0.59	U	0.25	0.59	3.00	ug/kg
60-57-1	Dieldrin	0.59	U	0.25	0.59	3.00	ug/kg
72-55-9	4,4-DDE	1.40	J	0.25	0.59	3.00	ug/kg
72-20-8	Endrin	0.59	U	0.25	0.59	3.00	ug/kg
33213-65-9	Endosulfan II	1.50	U	0.52	1.50	3.00	ug/kg
72-54-8	4,4-DDD	4.30		0.27	0.59	3.00	ug/kg
1031-07-8	Endosulfan Sulfate	0.59	U	0.23	0.59	3.00	ug/kg
50-29-3	4,4-DDT	0.59	U	0.25	0.59	3.00	ug/kg
72-43-5	Methoxychlor	1.50	U	0.66	1.50	3.00	ug/kg
53494-70-5	Endrin ketone	1.50	U	0.34	1.50	3.00	ug/kg
7421-93-4	Endrin aldehyde	1.50	U	0.66	1.50	3.00	ug/kg
5103-71-9	alpha-Chlordane	0.59	U	0.21	0.59	3.00	ug/kg
5103-74-2	gamma-Chlordane	0.59	U	0.27	0.59	3.00	ug/kg
8001-35-2	Toxaphene	30.4	U	9.70	30.4	59.0	ug/kg
SURROGATES							
2051-24-3	Decachlorobiphenyl	8.67	*	55 - 130		43%	SPK: 20
877-09-8	Tetrachloro-m-xylene	17.1		42 - 129		86%	SPK: 20

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:	8081B	% Solid:	55.8
Sample Wt/Vol:	30.06	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089896.D	1	08/12/25 08:16	08/14/25 14:41	PB169206

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

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

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

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-SRE	SDG No.:	Q2820
Lab Sample ID:	Q2820-09RE	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	55.8
Sample Wt/Vol:	30.06	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089910.D	1	08/12/25 08:16	08/15/25 11:02	PB169206

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
319-84-6	alpha-BHC	0.59	U	0.23	0.59	3.00	ug/kg
319-85-7	beta-BHC	1.50	U	0.32	1.50	3.00	ug/kg
319-86-8	delta-BHC	1.50	U	0.70	1.50	3.00	ug/kg
58-89-9	gamma-BHC (Lindane)	0.59	U	0.25	0.59	3.00	ug/kg
76-44-8	Heptachlor	0.59	U	0.21	0.59	3.00	ug/kg
309-00-2	Aldrin	0.59	U	0.21	0.59	3.00	ug/kg
1024-57-3	Heptachlor epoxide	1.50	U	0.34	1.50	3.00	ug/kg
959-98-8	Endosulfan I	0.59	U	0.25	0.59	3.00	ug/kg
60-57-1	Dieldrin	0.59	U	0.25	0.59	3.00	ug/kg
72-55-9	4,4-DDE	1.40	J	0.25	0.59	3.00	ug/kg
72-20-8	Endrin	0.59	U	0.25	0.59	3.00	ug/kg
33213-65-9	Endosulfan II	1.50	U	0.52	1.50	3.00	ug/kg
72-54-8	4,4-DDD	4.30		0.27	0.59	3.00	ug/kg
1031-07-8	Endosulfan Sulfate	0.59	U	0.23	0.59	3.00	ug/kg
50-29-3	4,4-DDT	0.59	U	0.25	0.59	3.00	ug/kg
72-43-5	Methoxychlor	1.50	U	0.66	1.50	3.00	ug/kg
53494-70-5	Endrin ketone	1.50	U	0.34	1.50	3.00	ug/kg
7421-93-4	Endrin aldehyde	1.50	U	0.66	1.50	3.00	ug/kg
5103-71-9	alpha-Chlordane	0.59	U	0.21	0.59	3.00	ug/kg
5103-74-2	gamma-Chlordane	0.59	U	0.27	0.59	3.00	ug/kg
8001-35-2	Toxaphene	30.4	U	9.70	30.4	59.0	ug/kg
SURROGATES							
2051-24-3	Decachlorobiphenyl	8.54	*	55 - 130		43%	SPK: 20
877-09-8	Tetrachloro-m-xylene	17.3		42 - 129		87%	SPK: 20

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-SRE	SDG No.:	Q2820
Lab Sample ID:	Q2820-09RE	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	55.8
Sample Wt/Vol:	30.06	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089910.D	1	08/12/25 08:16	08/15/25 11:02	PB169206

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

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

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	SOIL-DUP-2	SDG No.:	Q2820
Lab Sample ID:	Q2820-10	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	48.4
Sample Wt/Vol:	30.09	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089897.D	1	08/12/25 08:16	08/14/25 14:55	PB169206

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
319-84-6	alpha-BHC	0.68	U	0.27	0.68	3.50	ug/kg
319-85-7	beta-BHC	1.70	U	0.37	1.70	3.50	ug/kg
319-86-8	delta-BHC	1.70	U	0.80	1.70	3.50	ug/kg
58-89-9	gamma-BHC (Lindane)	0.68	U	0.29	0.68	3.50	ug/kg
76-44-8	Heptachlor	0.68	U	0.25	0.68	3.50	ug/kg
309-00-2	Aldrin	0.68	U	0.25	0.68	3.50	ug/kg
1024-57-3	Heptachlor epoxide	1.70	U	0.39	1.70	3.50	ug/kg
959-98-8	Endosulfan I	0.68	U	0.29	0.68	3.50	ug/kg
60-57-1	Dieldrin	0.68	U	0.29	0.68	3.50	ug/kg
72-55-9	4,4-DDE	0.61	J	0.29	0.68	3.50	ug/kg
72-20-8	Endrin	0.68	U	0.29	0.68	3.50	ug/kg
33213-65-9	Endosulfan II	1.70	U	0.60	1.70	3.50	ug/kg
72-54-8	4,4-DDD	1.50	J	0.31	0.68	3.50	ug/kg
1031-07-8	Endosulfan Sulfate	0.68	U	0.27	0.68	3.50	ug/kg
50-29-3	4,4-DDT	0.68	U	0.29	0.68	3.50	ug/kg
72-43-5	Methoxychlor	1.70	U	0.76	1.70	3.50	ug/kg
53494-70-5	Endrin ketone	1.70	U	0.39	1.70	3.50	ug/kg
7421-93-4	Endrin aldehyde	1.70	U	0.76	1.70	3.50	ug/kg
5103-71-9	alpha-Chlordane	0.68	U	0.25	0.68	3.50	ug/kg
5103-74-2	gamma-Chlordane	0.68	U	0.31	0.68	3.50	ug/kg
8001-35-2	Toxaphene	35.0	U	11.1	35.0	68.0	ug/kg
SURROGATES							
2051-24-3	Decachlorobiphenyl	18.3		55 - 130		91%	SPK: 20
877-09-8	Tetrachloro-m-xylene	23.6		42 - 129		118%	SPK: 20

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	SOIL-DUP-2	SDG No.:	Q2820
Lab Sample ID:	Q2820-10	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	48.4
Sample Wt/Vol:	30.09	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	Injection Volume :	
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089897.D	1	08/12/25 08:16	08/14/25 14:55	PB169206

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

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

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	22M-S	SDG No.:	Q2820
Lab Sample ID:	Q2820-24	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	89
Sample Wt/Vol:	30.01	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089898.D	1	08/12/25 08:16	08/14/25 15:09	PB169206

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
319-84-6	alpha-BHC	0.37	U	0.15	0.37	1.90	ug/kg
319-85-7	beta-BHC	0.93	U	0.20	0.93	1.90	ug/kg
319-86-8	delta-BHC	0.93	U	0.44	0.93	1.90	ug/kg
58-89-9	gamma-BHC (Lindane)	0.37	U	0.16	0.37	1.90	ug/kg
76-44-8	Heptachlor	0.37	U	0.13	0.37	1.90	ug/kg
309-00-2	Aldrin	0.37	U	0.13	0.37	1.90	ug/kg
1024-57-3	Heptachlor epoxide	1.10	JP	0.21	0.93	1.90	ug/kg
959-98-8	Endosulfan I	0.37	U	0.16	0.37	1.90	ug/kg
60-57-1	Dieldrin	0.37	U	0.16	0.37	1.90	ug/kg
72-55-9	4,4-DDE	0.37	U	0.16	0.37	1.90	ug/kg
72-20-8	Endrin	0.37	U	0.16	0.37	1.90	ug/kg
33213-65-9	Endosulfan II	0.93	U	0.33	0.93	1.90	ug/kg
72-54-8	4,4-DDD	0.37	U	0.17	0.37	1.90	ug/kg
1031-07-8	Endosulfan Sulfate	0.37	U	0.15	0.37	1.90	ug/kg
50-29-3	4,4-DDT	0.37	U	0.16	0.37	1.90	ug/kg
72-43-5	Methoxychlor	0.93	U	0.42	0.93	1.90	ug/kg
53494-70-5	Endrin ketone	0.93	U	0.21	0.93	1.90	ug/kg
7421-93-4	Endrin aldehyde	0.93	U	0.42	0.93	1.90	ug/kg
5103-71-9	alpha-Chlordane	3.00	P	0.13	0.37	1.90	ug/kg
5103-74-2	gamma-Chlordane	1.40	J	0.17	0.37	1.90	ug/kg
8001-35-2	Toxaphene	19.1	U	6.10	19.1	37.1	ug/kg
SURROGATES							
2051-24-3	Decachlorobiphenyl	19.8		55 - 130		99%	SPK: 20
877-09-8	Tetrachloro-m-xylene	11.6		42 - 129		58%	SPK: 20

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	22M-S	SDG No.:	Q2820
Lab Sample ID:	Q2820-24	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	89
Sample Wt/Vol:	30.01	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089898.D	1	08/12/25 08:16	08/14/25 15:09	PB169206

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

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

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

LAB CHRONICLE

OrderID:	Q2820	OrderDate:	8/11/2025 12:29:00 PM
Client:	First Environment, Inc.	Project:	USACE018-44 DOD
Contact:	Al Smith	Location:	D31,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2820-09	705R-S	SOIL	PCB	8082A	08/07/25	08/12/25	08/13/25	08/08/25
			Pesticide-TCL	8081B		08/12/25	08/14/25	
Q2820-09RE	705R-SRE	SOIL	Pesticide-TCL	8081B	08/07/25	08/12/25	08/15/25	08/08/25
Q2820-10	SOIL-DUP-2	SOIL	PCB	8082A	08/07/25	08/12/25	08/12/25	08/08/25
			Pesticide-TCL	8081B		08/12/25	08/14/25	
Q2820-24	22M-S	SOIL	PCB	8082A	08/08/25	08/12/25	08/12/25	08/08/25
			Pesticide-TCL	8081B		08/12/25	08/14/25	



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Hit Summary Sheet
SW-846

SDG No.: Q2820

Order ID: Q2820

Client: First Environment, Inc.

Project ID: USACE018-44 DOD

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
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Client ID :

Total Concentration: 0.000

A
B
C
D



SAMPLE DATA

A

B

C

D

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:	8082A	% Solid:	55.8
Sample Wt/Vol:	30.06	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PCB
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP074367.D	1	08/13/25 08:33	08/13/25 22:24	PB169227

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
12674-11-2	Aroclor-1016	14.8	U	7.10	14.8	30.4	ug/kg
11104-28-2	Aroclor-1221	23.3	U	7.20	23.3	30.4	ug/kg
11141-16-5	Aroclor-1232	14.8	U	6.70	14.8	30.4	ug/kg
53469-21-9	Aroclor-1242	14.8	U	7.20	14.8	30.4	ug/kg
12672-29-6	Aroclor-1248	23.3	U	10.6	23.3	30.4	ug/kg
11097-69-1	Aroclor-1254	14.8	U	5.70	14.8	30.4	ug/kg
37324-23-5	Aroclor-1262	23.3	U	9.00	23.3	30.4	ug/kg
11100-14-4	Aroclor-1268	14.8	U	6.40	14.8	30.4	ug/kg
11096-82-5	Aroclor-1260	14.8	U	5.80	14.8	30.4	ug/kg
SURROGATES							
877-09-8	Tetrachloro-m-xylene	23.6		44 - 130		118%	SPK: 20
2051-24-3	Decachlorobiphenyl	18.3		60 - 125		91%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

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

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	SOIL-DUP-2	SDG No.:	Q2820
Lab Sample ID:	Q2820-10	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	48.4
Sample Wt/Vol:	30.09	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PCB
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO112864.D	1	08/12/25 08:15	08/12/25 14:38	PB169205

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
12674-11-2	Aroclor-1016	17.1	U	8.10	17.1	35.0	ug/kg
11104-28-2	Aroclor-1221	26.8	U	8.30	26.8	35.0	ug/kg
11141-16-5	Aroclor-1232	17.1	U	7.70	17.1	35.0	ug/kg
53469-21-9	Aroclor-1242	17.1	U	8.30	17.1	35.0	ug/kg
12672-29-6	Aroclor-1248	26.8	U	12.2	26.8	35.0	ug/kg
11097-69-1	Aroclor-1254	17.1	U	6.60	17.1	35.0	ug/kg
37324-23-5	Aroclor-1262	26.8	U	10.3	26.8	35.0	ug/kg
11100-14-4	Aroclor-1268	17.1	U	7.40	17.1	35.0	ug/kg
11096-82-5	Aroclor-1260	17.1	U	6.70	17.1	35.0	ug/kg
SURROGATES							
877-09-8	Tetrachloro-m-xylene	21.5		44 - 130		108%	SPK: 20
2051-24-3	Decachlorobiphenyl	16.6		60 - 125		83%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

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

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	22M-S	SDG No.:	Q2820
Lab Sample ID:	Q2820-24	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	89
Sample Wt/Vol:	30.01	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PCB
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO112870.D	1	08/12/25 08:15	08/12/25 17:19	PB169205

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
12674-11-2	Aroclor-1016	9.30	U	4.40	9.30	19.1	ug/kg
11104-28-2	Aroclor-1221	14.6	U	4.50	14.6	19.1	ug/kg
11141-16-5	Aroclor-1232	9.30	U	4.20	9.30	19.1	ug/kg
53469-21-9	Aroclor-1242	9.30	U	4.50	9.30	19.1	ug/kg
12672-29-6	Aroclor-1248	14.6	U	6.60	14.6	19.1	ug/kg
11097-69-1	Aroclor-1254	9.30	U	3.60	9.30	19.1	ug/kg
37324-23-5	Aroclor-1262	14.6	U	5.60	14.6	19.1	ug/kg
11100-14-4	Aroclor-1268	9.30	U	4.00	9.30	19.1	ug/kg
11096-82-5	Aroclor-1260	9.30	U	3.60	9.30	19.1	ug/kg
SURROGATES							
877-09-8	Tetrachloro-m-xylene	11.6		44 - 130		58%	SPK: 20
2051-24-3	Decachlorobiphenyl	20.0		60 - 125		100%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

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

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

LAB CHRONICLE

OrderID:	Q2820	OrderDate:	8/11/2025 12:29:00 PM
Client:	First Environment, Inc.	Project:	USACE018-44 DOD
Contact:	Al Smith	Location:	D31,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2820-09	705R-S	SOIL	PCB	8082A	08/07/25	08/13/25	08/13/25	08/08/25
			Pesticide-TCL	8081B		08/12/25	08/14/25	
Q2820-09RE	705R-SRE	SOIL	Pesticide-TCL	8081B	08/07/25	08/12/25	08/15/25	08/08/25
Q2820-10	SOIL-DUP-2	SOIL	PCB	8082A	08/07/25	08/12/25	08/12/25	08/08/25
			Pesticide-TCL	8081B		08/12/25	08/14/25	
Q2820-24	22M-S	SOIL	PCB	8082A	08/08/25	08/12/25	08/12/25	08/08/25
			Pesticide-TCL	8081B		08/12/25	08/14/25	

Hit Summary Sheet SW-846

SDG No.: Q2820 **Order ID:** Q2820
Client: First Environment, Inc. **Project ID:** USACE018-44 DOD

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID : 705R-S									
Q2820-09	705R-S	SOIL	Aluminum	4860		1.34	6.37	7.96	mg/Kg
Q2820-09	705R-S	SOIL	Arsenic	5.01		0.30	1.27	1.59	mg/Kg
Q2820-09	705R-S	SOIL	Barium	8.76		1.16	1.99	7.96	mg/Kg
Q2820-09	705R-S	SOIL	Beryllium	0.35	J	0.040	0.12	0.48	mg/Kg
Q2820-09	705R-S	SOIL	Cadmium	0.56		0.038	0.12	0.48	mg/Kg
Q2820-09	705R-S	SOIL	Calcium	1230		17.7	39.8	159	mg/Kg
Q2820-09	705R-S	SOIL	Chromium	11.5		0.075	0.20	0.80	mg/Kg
Q2820-09	705R-S	SOIL	Cobalt	9.29		0.16	0.60	2.39	mg/Kg
Q2820-09	705R-S	SOIL	Copper	6.51		0.35	1.27	1.59	mg/Kg
Q2820-09	705R-S	SOIL	Iron	10400		6.36	6.37	7.96	mg/Kg
Q2820-09	705R-S	SOIL	Lead	8.38		0.21	0.77	0.96	mg/Kg
Q2820-09	705R-S	SOIL	Magnesium	1500		19.1	39.8	159	mg/Kg
Q2820-09	705R-S	SOIL	Manganese	45.6		0.22	0.40	1.59	mg/Kg
Q2820-09	705R-S	SOIL	Nickel	10.0		0.21	0.80	3.19	mg/Kg
Q2820-09	705R-S	SOIL	Potassium	721		44.1	127	159	mg/Kg
Q2820-09	705R-S	SOIL	Selenium	0.62	J	0.41	1.27	1.59	mg/Kg
Q2820-09	705R-S	SOIL	Silver	0.44	J	0.19	0.40	0.80	mg/Kg
Q2820-09	705R-S	SOIL	Sodium	1540		28.4	127	159	mg/Kg
Q2820-09	705R-S	SOIL	Vanadium	16.7		0.40	1.59	3.19	mg/Kg
Q2820-09	705R-S	SOIL	Zinc	24.9		0.37	0.80	3.19	mg/Kg
Client ID : SOIL-DUP-2									
Q2820-10	SOIL-DUP-2	SOIL	Aluminum	4210		1.60	7.62	9.52	mg/Kg
Q2820-10	SOIL-DUP-2	SOIL	Arsenic	4.37		0.36	1.52	1.90	mg/Kg
Q2820-10	SOIL-DUP-2	SOIL	Barium	9.43	J	1.39	2.38	9.52	mg/Kg
Q2820-10	SOIL-DUP-2	SOIL	Beryllium	0.26	J	0.048	0.14	0.57	mg/Kg
Q2820-10	SOIL-DUP-2	SOIL	Cadmium	0.26	J	0.046	0.14	0.57	mg/Kg
Q2820-10	SOIL-DUP-2	SOIL	Calcium	1620		21.1	47.6	190	mg/Kg
Q2820-10	SOIL-DUP-2	SOIL	Chromium	14.3		0.089	0.24	0.95	mg/Kg
Q2820-10	SOIL-DUP-2	SOIL	Cobalt	1.99	J	0.19	0.71	2.86	mg/Kg
Q2820-10	SOIL-DUP-2	SOIL	Copper	4.06		0.42	1.52	1.90	mg/Kg
Q2820-10	SOIL-DUP-2	SOIL	Iron	7050		7.60	7.62	9.52	mg/Kg
Q2820-10	SOIL-DUP-2	SOIL	Lead	6.97		0.25	0.91	1.14	mg/Kg
Q2820-10	SOIL-DUP-2	SOIL	Magnesium	1660		22.9	47.6	190	mg/Kg
Q2820-10	SOIL-DUP-2	SOIL	Manganese	28.4		0.27	0.48	1.90	mg/Kg
Q2820-10	SOIL-DUP-2	SOIL	Nickel	4.79		0.25	0.95	3.81	mg/Kg
Q2820-10	SOIL-DUP-2	SOIL	Potassium	1060		52.7	152	190	mg/Kg
Q2820-10	SOIL-DUP-2	SOIL	Selenium	0.56	J	0.50	1.52	1.90	mg/Kg

Hit Summary Sheet
SW-846

SDG No.: Q2820

Order ID: Q2820

Client: First Environment, Inc.

Project ID: USACE018-44 DOD

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Q2820-10	SOIL-DUP-2	SOIL	Silver	0.32	J	0.23	0.48	0.95	mg/Kg
Q2820-10	SOIL-DUP-2	SOIL	Sodium	2440		33.9	152	190	mg/Kg
Q2820-10	SOIL-DUP-2	SOIL	Vanadium	22.0		0.48	1.90	3.81	mg/Kg
Q2820-10	SOIL-DUP-2	SOIL	Zinc	11.1		0.44	0.95	3.81	mg/Kg

Client ID : 22M-S

Q2820-24	22M-S	SOIL	Aluminum	552		0.84	4.01	5.02	mg/Kg
Q2820-24	22M-S	SOIL	Arsenic	0.50	J	0.19	0.80	1.00	mg/Kg
Q2820-24	22M-S	SOIL	Barium	1.70	J	0.73	1.25	5.02	mg/Kg
Q2820-24	22M-S	SOIL	Beryllium	0.071	J	0.025	0.075	0.30	mg/Kg
Q2820-24	22M-S	SOIL	Cadmium	0.075	J	0.024	0.075	0.30	mg/Kg
Q2820-24	22M-S	SOIL	Calcium	57.4	J	11.1	25.1	100	mg/Kg
Q2820-24	22M-S	SOIL	Chromium	2.47		0.047	0.13	0.50	mg/Kg
Q2820-24	22M-S	SOIL	Cobalt	0.36	J	0.10	0.38	1.50	mg/Kg
Q2820-24	22M-S	SOIL	Copper	2.56		0.22	0.80	1.00	mg/Kg
Q2820-24	22M-S	SOIL	Iron	1120		4.00	4.01	5.02	mg/Kg
Q2820-24	22M-S	SOIL	Lead	1.22		0.13	0.48	0.60	mg/Kg
Q2820-24	22M-S	SOIL	Magnesium	148		12.0	25.1	100	mg/Kg
Q2820-24	22M-S	SOIL	Manganese	5.78		0.14	0.25	1.00	mg/Kg
Q2820-24	22M-S	SOIL	Nickel	1.13	J	0.13	0.50	2.01	mg/Kg
Q2820-24	22M-S	SOIL	Potassium	69.4	J	27.8	80.3	100	mg/Kg
Q2820-24	22M-S	SOIL	Sodium	29.3	J	17.9	80.3	100	mg/Kg
Q2820-24	22M-S	SOIL	Vanadium	1.24	J	0.25	1.00	2.01	mg/Kg
Q2820-24	22M-S	SOIL	Zinc	7.43		0.23	0.50	2.01	mg/Kg



SAMPLE DATA

A

B

C

D

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
Level (low/med):	low	% Solid:	55.8

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	4860		1	1.34	6.37	7.96	mg/Kg	08/12/25 12:55	08/13/25 16:23	6010D	SW3050
7440-36-0	Antimony	1.00	UN	1	0.35	1.00	3.98	mg/Kg	08/12/25 12:55	08/13/25 16:23	6010D	SW3050
7440-38-2	Arsenic	5.01	N	1	0.30	1.27	1.59	mg/Kg	08/12/25 12:55	08/13/25 16:23	6010D	SW3050
7440-39-3	Barium	8.76		1	1.16	1.99	7.96	mg/Kg	08/12/25 12:55	08/13/25 16:23	6010D	SW3050
7440-41-7	Beryllium	0.35	JN	1	0.040	0.12	0.48	mg/Kg	08/12/25 12:55	08/13/25 16:23	6010D	SW3050
7440-43-9	Cadmium	0.56		1	0.038	0.12	0.48	mg/Kg	08/12/25 12:55	08/13/25 16:23	6010D	SW3050
7440-70-2	Calcium	1230		1	17.7	39.8	159	mg/Kg	08/12/25 12:55	08/13/25 16:23	6010D	SW3050
7440-47-3	Chromium	11.5	N	1	0.075	0.20	0.80	mg/Kg	08/12/25 12:55	08/13/25 16:23	6010D	SW3050
7440-48-4	Cobalt	9.29		1	0.16	0.60	2.39	mg/Kg	08/12/25 12:55	08/13/25 16:23	6010D	SW3050
7440-50-8	Copper	6.51		1	0.35	1.27	1.59	mg/Kg	08/12/25 12:55	08/13/25 16:23	6010D	SW3050
7439-89-6	Iron	10400	*	1	6.36	6.37	7.96	mg/Kg	08/12/25 12:55	08/13/25 16:23	6010D	SW3050
7439-92-1	Lead	8.38		1	0.21	0.77	0.96	mg/Kg	08/12/25 12:55	08/13/25 16:23	6010D	SW3050
7439-95-4	Magnesium	1500		1	19.1	39.8	159	mg/Kg	08/12/25 12:55	08/13/25 16:23	6010D	SW3050
7439-96-5	Manganese	45.6		1	0.22	0.40	1.59	mg/Kg	08/12/25 12:55	08/13/25 16:23	6010D	SW3050
7439-97-6	Mercury	0.019	U	1	0.013	0.019	0.023	mg/Kg	08/11/25 16:30	08/12/25 11:29	7471B	
7440-02-0	Nickel	10.0		1	0.21	0.80	3.19	mg/Kg	08/12/25 12:55	08/13/25 16:23	6010D	SW3050
7440-09-7	Potassium	721	N	1	44.1	127	159	mg/Kg	08/12/25 12:55	08/13/25 16:23	6010D	SW3050
7782-49-2	Selenium	0.62	JN	1	0.41	1.27	1.59	mg/Kg	08/12/25 12:55	08/13/25 16:23	6010D	SW3050
7440-22-4	Silver	0.44	JN	1	0.19	0.40	0.80	mg/Kg	08/12/25 12:55	08/13/25 16:23	6010D	SW3050
7440-23-5	Sodium	1540		1	28.4	127	159	mg/Kg	08/12/25 12:55	08/13/25 16:23	6010D	SW3050
7440-28-0	Thallium	1.59	UN	1	0.37	1.59	3.19	mg/Kg	08/12/25 12:55	08/13/25 16:23	6010D	SW3050
7440-62-2	Vanadium	16.7	N*	1	0.40	1.59	3.19	mg/Kg	08/12/25 12:55	08/13/25 16:23	6010D	SW3050
7440-66-6	Zinc	24.9		1	0.37	0.80	3.19	mg/Kg	08/12/25 12:55	08/13/25 16:23	6010D	SW3050

Color Before:	Brown	Clarity Before:	Texture:	Medium
Color After:	Yellow	Clarity After:	Artifacts:	
Comments:	METALS-TAL			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

* = indicates the duplicate analysis is not within control limits.

E = Indicates the reported value is estimated because of the presence of interference.

OR = Over Range

N =Spiked sample recovery not within control limits

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	SOIL-DUP-2	SDG No.:	Q2820
Lab Sample ID:	Q2820-10	Matrix:	SOIL
Level (low/med):	low	% Solid:	48.4

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	4210		1	1.60	7.62	9.52	mg/Kg	08/12/25 12:55	08/13/25 16:27	6010D	SW3050
7440-36-0	Antimony	1.19	UN	1	0.42	1.19	4.76	mg/Kg	08/12/25 12:55	08/13/25 16:27	6010D	SW3050
7440-38-2	Arsenic	4.37	N	1	0.36	1.52	1.90	mg/Kg	08/12/25 12:55	08/13/25 16:27	6010D	SW3050
7440-39-3	Barium	9.43	J	1	1.39	2.38	9.52	mg/Kg	08/12/25 12:55	08/13/25 16:27	6010D	SW3050
7440-41-7	Beryllium	0.26	JN	1	0.048	0.14	0.57	mg/Kg	08/12/25 12:55	08/13/25 16:27	6010D	SW3050
7440-43-9	Cadmium	0.26	J	1	0.046	0.14	0.57	mg/Kg	08/12/25 12:55	08/13/25 16:27	6010D	SW3050
7440-70-2	Calcium	1620		1	21.1	47.6	190	mg/Kg	08/12/25 12:55	08/13/25 16:27	6010D	SW3050
7440-47-3	Chromium	14.3	N	1	0.089	0.24	0.95	mg/Kg	08/12/25 12:55	08/13/25 16:27	6010D	SW3050
7440-48-4	Cobalt	1.99	J	1	0.19	0.71	2.86	mg/Kg	08/12/25 12:55	08/13/25 16:27	6010D	SW3050
7440-50-8	Copper	4.06		1	0.42	1.52	1.90	mg/Kg	08/12/25 12:55	08/13/25 16:27	6010D	SW3050
7439-89-6	Iron	7050	*	1	7.60	7.62	9.52	mg/Kg	08/12/25 12:55	08/13/25 16:27	6010D	SW3050
7439-92-1	Lead	6.97		1	0.25	0.91	1.14	mg/Kg	08/12/25 12:55	08/13/25 16:27	6010D	SW3050
7439-95-4	Magnesium	1660		1	22.9	47.6	190	mg/Kg	08/12/25 12:55	08/13/25 16:27	6010D	SW3050
7439-96-5	Manganese	28.4		1	0.27	0.48	1.90	mg/Kg	08/12/25 12:55	08/13/25 16:27	6010D	SW3050
7439-97-6	Mercury	0.023	U	1	0.016	0.023	0.028	mg/Kg	08/11/25 16:30	08/12/25 11:31	7471B	
7440-02-0	Nickel	4.79		1	0.25	0.95	3.81	mg/Kg	08/12/25 12:55	08/13/25 16:27	6010D	SW3050
7440-09-7	Potassium	1060	N	1	52.7	152	190	mg/Kg	08/12/25 12:55	08/13/25 16:27	6010D	SW3050
7782-49-2	Selenium	0.56	JN	1	0.50	1.52	1.90	mg/Kg	08/12/25 12:55	08/13/25 16:27	6010D	SW3050
7440-22-4	Silver	0.32	JN	1	0.23	0.48	0.95	mg/Kg	08/12/25 12:55	08/13/25 16:27	6010D	SW3050
7440-23-5	Sodium	2440		1	33.9	152	190	mg/Kg	08/12/25 12:55	08/13/25 16:27	6010D	SW3050
7440-28-0	Thallium	1.90	UN	1	0.44	1.90	3.81	mg/Kg	08/12/25 12:55	08/13/25 16:27	6010D	SW3050
7440-62-2	Vanadium	22.0	N*	1	0.48	1.90	3.81	mg/Kg	08/12/25 12:55	08/13/25 16:27	6010D	SW3050
7440-66-6	Zinc	11.1		1	0.44	0.95	3.81	mg/Kg	08/12/25 12:55	08/13/25 16:27	6010D	SW3050

Color Before:	Brown	Clarity Before:	Texture:	Medium
Color After:	Yellow	Clarity After:	Artifacts:	
Comments:	METALS-TAL			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

* = indicates the duplicate analysis is not within control limits.

E = Indicates the reported value is estimated because of the presence of interference.

OR = Over Range

N = Spiked sample recovery not within control limits

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	22M-S	SDG No.:	Q2820
Lab Sample ID:	Q2820-24	Matrix:	SOIL
Level (low/med):	low	% Solid:	89

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	552		1	0.84	4.01	5.02	mg/Kg	08/12/25 12:55	08/13/25 16:31	6010D	SW3050
7440-36-0	Antimony	0.63	UN	1	0.22	0.63	2.51	mg/Kg	08/12/25 12:55	08/13/25 16:31	6010D	SW3050
7440-38-2	Arsenic	0.50	JN	1	0.19	0.80	1.00	mg/Kg	08/12/25 12:55	08/13/25 16:31	6010D	SW3050
7440-39-3	Barium	1.70	J	1	0.73	1.25	5.02	mg/Kg	08/12/25 12:55	08/13/25 16:31	6010D	SW3050
7440-41-7	Beryllium	0.071	JN	1	0.025	0.075	0.30	mg/Kg	08/12/25 12:55	08/13/25 16:31	6010D	SW3050
7440-43-9	Cadmium	0.075	J	1	0.024	0.075	0.30	mg/Kg	08/12/25 12:55	08/13/25 16:31	6010D	SW3050
7440-70-2	Calcium	57.4	J	1	11.1	25.1	100	mg/Kg	08/12/25 12:55	08/13/25 16:31	6010D	SW3050
7440-47-3	Chromium	2.47	N	1	0.047	0.13	0.50	mg/Kg	08/12/25 12:55	08/13/25 16:31	6010D	SW3050
7440-48-4	Cobalt	0.36	J	1	0.10	0.38	1.50	mg/Kg	08/12/25 12:55	08/13/25 16:31	6010D	SW3050
7440-50-8	Copper	2.56		1	0.22	0.80	1.00	mg/Kg	08/12/25 12:55	08/13/25 16:31	6010D	SW3050
7439-89-6	Iron	1120	*	1	4.00	4.01	5.02	mg/Kg	08/12/25 12:55	08/13/25 16:31	6010D	SW3050
7439-92-1	Lead	1.22		1	0.13	0.48	0.60	mg/Kg	08/12/25 12:55	08/13/25 16:31	6010D	SW3050
7439-95-4	Magnesium	148		1	12.0	25.1	100	mg/Kg	08/12/25 12:55	08/13/25 16:31	6010D	SW3050
7439-96-5	Manganese	5.78		1	0.14	0.25	1.00	mg/Kg	08/12/25 12:55	08/13/25 16:31	6010D	SW3050
7439-97-6	Mercury	0.012	U	1	0.0090	0.012	0.015	mg/Kg	08/11/25 16:30	08/12/25 11:34	7471B	
7440-02-0	Nickel	1.13	J	1	0.13	0.50	2.01	mg/Kg	08/12/25 12:55	08/13/25 16:31	6010D	SW3050
7440-09-7	Potassium	69.4	JN	1	27.8	80.3	100	mg/Kg	08/12/25 12:55	08/13/25 16:31	6010D	SW3050
7782-49-2	Selenium	0.80	UN	1	0.26	0.80	1.00	mg/Kg	08/12/25 12:55	08/13/25 16:31	6010D	SW3050
7440-22-4	Silver	0.25	UN	1	0.12	0.25	0.50	mg/Kg	08/12/25 12:55	08/13/25 16:31	6010D	SW3050
7440-23-5	Sodium	29.3	J	1	17.9	80.3	100	mg/Kg	08/12/25 12:55	08/13/25 16:31	6010D	SW3050
7440-28-0	Thallium	1.00	UN	1	0.23	1.00	2.01	mg/Kg	08/12/25 12:55	08/13/25 16:31	6010D	SW3050
7440-62-2	Vanadium	1.24	JN*	1	0.25	1.00	2.01	mg/Kg	08/12/25 12:55	08/13/25 16:31	6010D	SW3050
7440-66-6	Zinc	7.43		1	0.23	0.50	2.01	mg/Kg	08/12/25 12:55	08/13/25 16:31	6010D	SW3050

Color Before:	Brown	Clarity Before:	Texture:	Medium
Color After:	Yellow	Clarity After:	Artifacts:	
Comments:	METALS-TAL			

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LAB CHRONICLE

OrderID:	Q2820	OrderDate:	8/11/2025 12:29:00 PM
Client:	First Environment, Inc.	Project:	USACE018-44 DOD
Contact:	Al Smith	Location:	D31,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2820-09	705R-S	SOIL	Mercury	7471B	08/07/25	08/11/25	08/12/25	08/08/25
			Metals ICP-TAL	6010D		08/12/25	08/13/25	
Q2820-10	SOIL-DUP-2	SOIL	Mercury	7471B	08/07/25	08/11/25	08/12/25	08/08/25
			Metals ICP-TAL	6010D		08/12/25	08/13/25	
Q2820-24	22M-S	SOIL	Mercury	7471B	08/08/25	08/11/25	08/12/25	08/08/25
			Metals ICP-TAL	6010D		08/12/25	08/13/25	