

Hit Summary Sheet SW-846

SDG No.: Q2819
Client: First Environment, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID : 22BP-N									
Q2819-01	22BP-N	SOIL	Fluoranthene	130.000	J	36.1	160	200	ug/Kg
Q2819-01	22BP-N	SOIL	Pyrene	83.900	J	43.4	160	200	ug/Kg
Total Svoc :				213.90					
Q2819-01	22BP-N	SOIL	n-Nonadecanol-1	*	85.900	J	0	0	ug/Kg
Q2819-01	22BP-N	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	430.000	AB	0	0	ug/Kg
Q2819-01	22BP-N	SOIL	Benzo[e]pyrene	*	97.100	J	0	0	ug/Kg
Q2819-01	22BP-N	SOIL	Benzophenone	*	360.000	J	0	0	ug/Kg
Q2819-01	22BP-N	SOIL	Butane, 2-methoxy-2-methyl-	*	2,000.000	J	0	0	ug/Kg
Total Tics :				2,973.00					
Total Concentration:				3,186.90					
Client ID : 22BP-E									
Q2819-02	22BP-E	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	210.000	AB	0	0	ug/Kg
Q2819-02	22BP-E	SOIL	Benzophenone	*	390.000	J	0	0	ug/Kg
Q2819-02	22BP-E	SOIL	Butane, 2-methoxy-2-methyl-	*	1,400.000	J	0	0	ug/Kg
Q2819-02	22BP-E	SOIL	n-Hexadecanoic acid	*	230.000	J	0	0	ug/Kg
Q2819-02	22BP-E	SOIL	Trifluoroacetic acid, pentadecyl e	*	230.000	J	0	0	ug/Kg
Total Tics :				2,460.00					
Total Concentration:				2,460.00					
Client ID : 22BP-W									
Q2819-03	22BP-W	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	250.000	AB	0	0	ug/Kg
Q2819-03	22BP-W	SOIL	Benzophenone	*	370.000	J	0	0	ug/Kg
Q2819-03	22BP-W	SOIL	Butane, 2-methoxy-2-methyl-	*	1,100.000	J	0	0	ug/Kg
Q2819-03	22BP-W	SOIL	Heptacos-1-ene	*	230.000	J	0	0	ug/Kg
Q2819-03	22BP-W	SOIL	Hexadecanoic acid, butyl ester	*	220.000	JB	0	0	ug/Kg
Q2819-03	22BP-W	SOIL	n-Hexadecanoic acid	*	210.000	J	0	0	ug/Kg
Q2819-03	22BP-W	SOIL	Octadecanoic acid	*	84.600	J	0	0	ug/Kg
Q2819-03	22BP-W	SOIL	Octadecanoic acid, butyl ester	*	200.000	JB	0	0	ug/Kg
Total Tics :				2,664.60					
Total Concentration:				2,664.60					
Client ID : 22BP-S									
Q2819-04	22BP-S	SOIL	1-Tricosene	*	190.000	J	0	0	ug/Kg
Q2819-04	22BP-S	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	150.000	AB	0	0	ug/Kg
Q2819-04	22BP-S	SOIL	Benzophenone	*	280.000	J	0	0	ug/Kg
Q2819-04	22BP-S	SOIL	Butane, 2-methoxy-2-methyl-	*	640.000	J	0	0	ug/Kg
Q2819-04	22BP-S	SOIL	n-Hexadecanoic acid	*	260.000	J	0	0	ug/Kg
Q2819-04	22BP-S	SOIL	Octadecanoic acid	*	86.600	J	0	0	ug/Kg

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Q2819-04	22BP-S	SOIL	Triacetyl acetate	*	88.900	J	0	0	ug/Kg
Total Tics :					1,695.50				
Total Concentration:					1,695.50				
Client ID : 11M-W									
Q2819-05	11M-W	SOIL	2-Pentanone, 4-hydroxy-4-methyl *	290.000	AB	0		0	ug/Kg
Q2819-05	11M-W	SOIL	Benzophenone *	400.000	J	0		0	ug/Kg
Q2819-05	11M-W	SOIL	Butane, 2-methoxy-2-methyl- *	1,200.000	J	0		0	ug/Kg
Q2819-05	11M-W	SOIL	Hexadecanoic acid, 2-methylprop. *	130.000	JB	0		0	ug/Kg
Q2819-05	11M-W	SOIL	Hexadecanoic acid, butyl ester *	210.000	JB	0		0	ug/Kg
Q2819-05	11M-W	SOIL	n-Hexadecanoic acid *	280.000	J	0		0	ug/Kg
Q2819-05	11M-W	SOIL	Nonadecyl pentafluoropropionate *	190.000	J	0		0	ug/Kg
Q2819-05	11M-W	SOIL	Octadecanoic acid *	100.000	J	0		0	ug/Kg
Q2819-05	11M-W	SOIL	Octadecanoic acid, 2-methylpropy *	77.100	J	0		0	ug/Kg
Q2819-05	11M-W	SOIL	Octadecanoic acid, butyl ester *	170.000	JB	0		0	ug/Kg
Total Tics :					3,047.10				
Total Concentration:					3,047.10				
Client ID : 11M-S									
Q2819-06	11M-S	SOIL	2-Pentanone, 4-hydroxy-4-methyl *	230.000	AB	0		0	ug/Kg
Q2819-06	11M-S	SOIL	Benzophenone *	200.000	J	0		0	ug/Kg
Q2819-06	11M-S	SOIL	Butane, 2-methoxy-2-methyl- *	1,200.000	J	0		0	ug/Kg
Q2819-06	11M-S	SOIL	Hexadecanoic acid, butyl ester *	81.900	JB	0		0	ug/Kg
Total Tics :					1,711.90				
Total Concentration:					1,711.90				
Client ID : 11M-N									
Q2819-07	11M-N	SOIL	Naphthalene	780.000		29.9	170	220	ug/Kg
Q2819-07	11M-N	SOIL	2-Methylnaphthalene	280.000		33.7	170	220	ug/Kg
Q2819-07	11M-N	SOIL	Acenaphthene	480.000		28	170	220	ug/Kg
Q2819-07	11M-N	SOIL	Dibenzofuran	460.000		29.9	170	220	ug/Kg
Q2819-07	11M-N	SOIL	Fluorene	610.000		33.3	170	220	ug/Kg
Q2819-07	11M-N	SOIL	Phenanthrene	1,600.000		27.5	170	220	ug/Kg
Q2819-07	11M-N	SOIL	Anthracene	210.000	J	43.8	170	220	ug/Kg
Q2819-07	11M-N	SOIL	Carbazole	510.000		41.1	170	220	ug/Kg
Q2819-07	11M-N	SOIL	Fluoranthene	730.000		39.5	170	220	ug/Kg
Q2819-07	11M-N	SOIL	Pyrene	420.000		47.4	170	220	ug/Kg
Q2819-07	11M-N	SOIL	Benzo(a)anthracene	160.000	J	30.3	170	220	ug/Kg
Q2819-07	11M-N	SOIL	Chrysene	140.000	J	26.2	170	220	ug/Kg
Q2819-07	11M-N	SOIL	Benzo(b)fluoranthene	110.000	J	25	170	220	ug/Kg
Total Svoc :					6,490.00				
Q2819-07	11M-N	SOIL	1(2H)-Acenaphthyleneone *	130.000	J	0		0	ug/Kg

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Q2819-07	11M-N	SOIL	1,1-Biphenyl, 4-methyl-	*	94.300	J	0	0	ug/Kg
Q2819-07	11M-N	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	280.000	AB	0	0	ug/Kg
Q2819-07	11M-N	SOIL	4H-Cyclopenta[def]phenanthrene	*	280.000	J	0	0	ug/Kg
Q2819-07	11M-N	SOIL	9H-Fluorene, 1-methyl-	*	110.000	J	0	0	ug/Kg
Q2819-07	11M-N	SOIL	Benzophenone	*	300.000	J	0	0	ug/Kg
Q2819-07	11M-N	SOIL	Butane, 2-methoxy-2-methyl-	*	1,600.000	J	0	0	ug/Kg
Q2819-07	11M-N	SOIL	Anthracene, 2-methyl-	*	180.000	J	0	0	ug/Kg
Q2819-07	11M-N	SOIL	Dibenzothiophene	*	140.000	J	0	0	ug/Kg
Q2819-07	11M-N	SOIL	Fluoranthene, 2-methyl-	*	120.000	J	0	0	ug/Kg
Q2819-07	11M-N	SOIL	Phenanthrene, 2-methyl-	*	110.000	J	0	0	ug/Kg
Q2819-07	11M-N	SOIL	Naphthalene, 1,3-dimethyl-	*	160.000	J	0	0	ug/Kg
Q2819-07	11M-N	SOIL	Octadecanoic acid, butyl ester	*	100.000	JB	0	0	ug/Kg
Q2819-07	11M-N	SOIL	1-Methylnaphthalene	*	190.000	J	34	220	ug/Kg

Total Tics : **3,794.30**

Total Concentration: **10,284.30**

Client ID : **11M-E**

Q2819-08	11M-E	SOIL	Phenanthrene		210.000	J	29.1	180	240	ug/Kg
Q2819-08	11M-E	SOIL	Fluoranthene		380.000		41.7	180	240	ug/Kg
Q2819-08	11M-E	SOIL	Pyrene		260.000		50.1	180	240	ug/Kg
Q2819-08	11M-E	SOIL	Benzo(a)anthracene		180.000	J	32	180	240	ug/Kg
Q2819-08	11M-E	SOIL	Chrysene		200.000	J	27.7	180	240	ug/Kg
Q2819-08	11M-E	SOIL	Benzo(b)fluoranthene		240.000		26.4	180	240	ug/Kg
Q2819-08	11M-E	SOIL	Benzo(k)fluoranthene		93.900	J	31.1	180	240	ug/Kg
Q2819-08	11M-E	SOIL	Benzo(a)pyrene		170.000	J	41	180	240	ug/Kg
Q2819-08	11M-E	SOIL	Benzo(g,h,i)perylene		94.500	J	35.7	180	240	ug/Kg

Total Svoc : **1,828.40**

Q2819-08	11M-E	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	330.000	AB	0	0	ug/Kg
Q2819-08	11M-E	SOIL	2-Phenanthrenol, 4b,5,6,7,8,8a,9,1	*	160.000	J	0	0	ug/Kg
Q2819-08	11M-E	SOIL	Benzo[e]pyrene	*	130.000	J	0	0	ug/Kg
Q2819-08	11M-E	SOIL	Benzophenone	*	240.000	J	0	0	ug/Kg
Q2819-08	11M-E	SOIL	Butane, 2-methoxy-2-methyl-	*	590.000	J	0	0	ug/Kg
Q2819-08	11M-E	SOIL	Eicosane	*	100.000	J	0	0	ug/Kg
Q2819-08	11M-E	SOIL	Longifolene	*	110.000	J	0	0	ug/Kg
Q2819-08	11M-E	SOIL	Octadecanoic acid, butyl ester	*	100.000	JB	0	0	ug/Kg

Total Tics : **1,760.00**

Total Concentration: **3,588.40**

Client ID : **84SB-E**

Q2819-09	84SB-E	SOIL	1-Tricosene	*	610.000	J	0	0	ug/Kg
Q2819-09	84SB-E	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	540.000	AB	0	0	ug/Kg

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Q2819-09	84SB-E	SOIL	Benzophenone	*	510.000	J	0	0	ug/Kg
Q2819-09	84SB-E	SOIL	Butane, 2-methoxy-2-methyl-	*	3,100.000	J	0	0	ug/Kg
Q2819-09	84SB-E	SOIL	Docosane	*	280.000	J	0	0	ug/Kg
Q2819-09	84SB-E	SOIL	Hexadecanoic acid, 2-methylpropyl	*	340.000	JB	0	0	ug/Kg
Q2819-09	84SB-E	SOIL	Hexadecanoic acid, butyl ester	*	750.000	JB	0	0	ug/Kg
Q2819-09	84SB-E	SOIL	n-Hexadecanoic acid	*	540.000	J	0	0	ug/Kg
Q2819-09	84SB-E	SOIL	Octadecane	*	180.000	J	0	0	ug/Kg
Q2819-09	84SB-E	SOIL	Octadecanoic acid	*	210.000	J	0	0	ug/Kg
Q2819-09	84SB-E	SOIL	Octadecanoic acid, 2-methylpropyl	*	190.000	J	0	0	ug/Kg
Q2819-09	84SB-E	SOIL	Octadecanoic acid, butyl ester	*	630.000	JB	0	0	ug/Kg

Total Tics : 7,880.00
Total Concentration: 7,880.00

Client ID : 84SB-S

Q2819-10	84SB-S	SOIL	Diethylphthalate		160.000	J	30.6	140	180	ug/Kg
Q2819-10	84SB-S	SOIL	Phenanthrene		73.000	J	22.6	140	180	ug/Kg
Q2819-10	84SB-S	SOIL	Di-n-butylphthalate		95.700	J	51.8	140	180	ug/Kg
Q2819-10	84SB-S	SOIL	Fluoranthene		160.000	J	32.4	140	180	ug/Kg
Q2819-10	84SB-S	SOIL	Pyrene		150.000	J	38.9	140	180	ug/Kg
Q2819-10	84SB-S	SOIL	Benzo(a)anthracene		81.200	J	24.9	140	180	ug/Kg
Q2819-10	84SB-S	SOIL	Chrysene		100.000	J	21.5	140	180	ug/Kg
Q2819-10	84SB-S	SOIL	Benzo(b)fluoranthene		130.000	J	20.5	140	180	ug/Kg
Q2819-10	84SB-S	SOIL	Benzo(a)pyrene		88.200	J	31.9	140	180	ug/Kg

Total Svoc : 1,038.10

Q2819-10	84SB-S	SOIL	1-Heneicosyl formate	*	120.000	J	0	0	ug/Kg
Q2819-10	84SB-S	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	120.000	AB	0	0	ug/Kg
Q2819-10	84SB-S	SOIL	7,9-Di-tert-butyl-1-oxaspiro(4,5)d	*	97.300	J	0	0	ug/Kg
Q2819-10	84SB-S	SOIL	Benzophenone	*	290.000	J	0	0	ug/Kg
Q2819-10	84SB-S	SOIL	Butane, 2-methoxy-2-methyl-	*	790.000	J	0	0	ug/Kg
Q2819-10	84SB-S	SOIL	n-Hexadecanoic acid	*	1,400.000	J	0	0	ug/Kg
Q2819-10	84SB-S	SOIL	Octadecanoic acid	*	400.000	J	0	0	ug/Kg
Q2819-10	84SB-S	SOIL	Pentadecanoic acid	*	540.000	J	0	0	ug/Kg
Q2819-10	84SB-S	SOIL	Phthalic acid, di(2-propylpentyl)	*	150.000	J	0	0	ug/Kg

Total Tics : 3,907.30
Total Concentration: 4,945.40

Client ID : 84SB-SRE

Q2819-10RE	84SB-SRE	SOIL	Fluoranthene		160.000	J	32.4	140	180	ug/Kg
Q2819-10RE	84SB-SRE	SOIL	Pyrene		120.000	J	38.9	140	180	ug/Kg
Q2819-10RE	84SB-SRE	SOIL	Benzo(a)anthracene		80.600	J	24.9	140	180	ug/Kg
Q2819-10RE	84SB-SRE	SOIL	Chrysene		100.000	J	21.5	140	180	ug/Kg

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Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Q2819-10RE	84SB-SRE	SOIL	Benzo(b)fluoranthene	130.000	J	20.5	140	180	ug/Kg
Q2819-10RE	84SB-SRE	SOIL	Benzo(a)pyrene	90.900	J	31.9	140	180	ug/Kg
Total Svoc :				681.50					
Total Concentration:				681.50					
Client ID : 84SB-W									
Q2819-11	84SB-W	SOIL	Phenanthrene	150.000	J	24	150	200	ug/Kg
Q2819-11	84SB-W	SOIL	Fluoranthene	200.000		34.5	150	200	ug/Kg
Q2819-11	84SB-W	SOIL	Pyrene	130.000	J	41.4	150	200	ug/Kg
Q2819-11	84SB-W	SOIL	Benzo(a)anthracene	90.800	J	26.5	150	200	ug/Kg
Q2819-11	84SB-W	SOIL	Chrysene	85.600	J	22.9	150	200	ug/Kg
Q2819-11	84SB-W	SOIL	Benzo(b)fluoranthene	92.600	J	21.9	150	200	ug/Kg
Total Svoc :				749.00					
Q2819-11	84SB-W	SOIL	Benzophenone	*	230.000	J	0	0	ug/Kg
Q2819-11	84SB-W	SOIL	Butane, 2-methoxy-2-methyl-	*	1,300.000	J	0	0	ug/Kg
Q2819-11	84SB-W	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	200.000	AB	0	0	ug/Kg
Total Tics :				1,730.00					
Total Concentration:				2,479.00					
Client ID : 17M-S									
Q2819-12	17M-S	SOIL	Phenanthrene	72.100	J	22.4	140	180	ug/Kg
Q2819-12	17M-S	SOIL	Fluoranthene	130.000	J	32.1	140	180	ug/Kg
Q2819-12	17M-S	SOIL	Pyrene	110.000	J	38.5	140	180	ug/Kg
Q2819-12	17M-S	SOIL	Benzo(b)fluoranthene	78.500	J	20.3	140	180	ug/Kg
Total Svoc :				390.60					
Q2819-12	17M-S	SOIL	(Z)-14-Tricosenyl formate	*	140.000	J	0	0	ug/Kg
Q2819-12	17M-S	SOIL	1,6-Methano-1H-indene, 2,3,3a,4,	*	870.000	J	0	0	ug/Kg
Q2819-12	17M-S	SOIL	1-Heneicosanol	*	350.000	J	0	0	ug/Kg
Q2819-12	17M-S	SOIL	1-Hexacosene	*	290.000	J	0	0	ug/Kg
Q2819-12	17M-S	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	190.000	AB	0	0	ug/Kg
Q2819-12	17M-S	SOIL	4-Methoxy-5-bromo-dimethylami	*	74.900	J	0	0	ug/Kg
Q2819-12	17M-S	SOIL	Benzophenone	*	300.000	J	0	0	ug/Kg
Q2819-12	17M-S	SOIL	Butane, 2-methoxy-2-methyl-	*	730.000	J	0	0	ug/Kg
Q2819-12	17M-S	SOIL	Heptachlor epoxide	*	73.500	J	0	0	ug/Kg
Q2819-12	17M-S	SOIL	Naphthalene, 1,2,3,4-tetrachloro-	*	77.800	J	0	0	ug/Kg
Q2819-12	17M-S	SOIL	n-Hexadecanoic acid	*	310.000	J	0	0	ug/Kg
Q2819-12	17M-S	SOIL	Octacosanol	*	300.000	J	0	0	ug/Kg
Q2819-12	17M-S	SOIL	Octadecanoic acid	*	130.000	J	0	0	ug/Kg
Q2819-12	17M-S	SOIL	trans-Chlordane	*	280.000	J	0	0	ug/Kg
Total Tics :				4,116.20					
Total Concentration:				4,506.80					

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Client ID : 17M-E									
Q2819-13	17M-E	SOIL	2-Pentanone, 4-hydroxy-4-methyl *	230.000	AB	0		0	ug/Kg
Q2819-13	17M-E	SOIL	Benzophenone *	280.000	J	0		0	ug/Kg
Q2819-13	17M-E	SOIL	Butane, 2-methoxy-2-methyl- *	1,000.000	J	0		0	ug/Kg
Total Tics :				1,510.00					
Total Concentration:				1,510.00					
Client ID : 17M-W									
Q2819-14	17M-W	SOIL	2-Pentanone, 4-hydroxy-4-methyl *	220.000	AB	0		0	ug/Kg
Q2819-14	17M-W	SOIL	Benzophenone *	300.000	J	0		0	ug/Kg
Q2819-14	17M-W	SOIL	Butane, 2-methoxy-2-methyl- *	930.000	J	0		0	ug/Kg
Total Tics :				1,450.00					
Total Concentration:				1,450.00					
Client ID : 17M-N									
Q2819-15	17M-N	SOIL	2-Pentanone, 4-hydroxy-4-methyl *	230.000	AB	0		0	ug/Kg
Q2819-15	17M-N	SOIL	Benzophenone *	300.000	J	0		0	ug/Kg
Q2819-15	17M-N	SOIL	Butane, 2-methoxy-2-methyl- *	1,100.000	J	0		0	ug/Kg
Total Tics :				1,630.00					
Total Concentration:				1,630.00					
Client ID : 38M-S									
Q2819-16	38M-S	SOIL	2-(2-(2-(2-(2-Methoxyethoxy)ethyl)ethyl)ethyl)ethyl *	450.000	J	0		0	ug/Kg
Q2819-16	38M-S	SOIL	2-Pentanone, 4-hydroxy-4-methyl *	200.000	AB	0		0	ug/Kg
Q2819-16	38M-S	SOIL	Benzophenone *	330.000	J	0		0	ug/Kg
Q2819-16	38M-S	SOIL	Butane, 2-methoxy-2-methyl- *	680.000	J	0		0	ug/Kg
Q2819-16	38M-S	SOIL	Cyclodocosane, ethyl- *	250.000	J	0		0	ug/Kg
Q2819-16	38M-S	SOIL	Methyl 2-(2-(2-methoxyethoxy)ethyl)hexanoate *	560.000	J	0		0	ug/Kg
Q2819-16	38M-S	SOIL	n-Hexadecanoic acid *	470.000	J	0		0	ug/Kg
Q2819-16	38M-S	SOIL	Octadecanoic acid *	260.000	J	0		0	ug/Kg
Q2819-16	38M-S	SOIL	Phthalic acid, monoethyl ester *	160.000	J	0		0	ug/Kg
Q2819-16	38M-S	SOIL	Tetraglyme *	210.000	J	0		0	ug/Kg
Total Tics :				3,570.00					
Total Concentration:				3,570.00					
Client ID : 38M-N									
Q2819-17	38M-N	SOIL	1-Hexacosene *	190.000	J	0		0	ug/Kg
Q2819-17	38M-N	SOIL	2-Pentanone, 4-hydroxy-4-methyl *	270.000	AB	0		0	ug/Kg
Q2819-17	38M-N	SOIL	Benzophenone *	320.000	J	0		0	ug/Kg
Q2819-17	38M-N	SOIL	Butane, 2-methoxy-2-methyl- *	1,100.000	J	0		0	ug/Kg
Q2819-17	38M-N	SOIL	n-Hexadecanoic acid *	160.000	J	0		0	ug/Kg
Total Tics :				2,040.00					

Hit Summary Sheet SW-846

SDG No.: Q2819
Client: First Environment, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Total Concentration:				2,040.00					
Client ID :	38M-W								
Q2819-18	38M-W	SOIL	2-Pentanone, 4-hydroxy-4-methyl *	270.000	AB	0		0	ug/Kg
Q2819-18	38M-W	SOIL	Benzophenone *	280.000	J	0		0	ug/Kg
Q2819-18	38M-W	SOIL	Butane, 2-methoxy-2-methyl- *	1,100.000	J	0		0	ug/Kg
Total Tics :				1,650.00					
Total Concentration:				1,650.00					
Client ID :	38M-E								
Q2819-19	38M-E	SOIL	2-Pentanone, 4-hydroxy-4-methyl *	240.000	AB	0		0	ug/Kg
Q2819-19	38M-E	SOIL	Benzophenone *	240.000	J	0		0	ug/Kg
Q2819-19	38M-E	SOIL	Butane, 2-methoxy-2-methyl- *	990.000	J	0		0	ug/Kg
Total Tics :				1,470.00					
Total Concentration:				1,470.00					
Client ID :	82H-E								
Q2819-20	82H-E	SOIL	2-Pentanone, 4-hydroxy-4-methyl *	300.000	AB	0		0	ug/Kg
Q2819-20	82H-E	SOIL	Benzophenone *	320.000	J	0		0	ug/Kg
Q2819-20	82H-E	SOIL	Butane, 2-methoxy-2-methyl- *	1,200.000	J	0		0	ug/Kg
Total Tics :				1,820.00					
Total Concentration:				1,820.00					



SAMPLE DATA

A

B

C

D

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/04/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	22BP-N	SDG No.:	Q2819
Lab Sample ID:	Q2819-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	82.9
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
BF143533.D	1	08/14/25 08:40	08/21/25 16:38	PB169242

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	26.6	160	200	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	160	U	29.3	160	200	ug/Kg
95-57-8	2-Chlorophenol	160	U	29.4	160	200	ug/Kg
95-48-7	2-Methylphenol	160	U	36.0	160	200	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	160	U	45.2	160	200	ug/Kg
98-86-2	Acetophenone	160	U	35.5	160	200	ug/Kg
65794-96-9	3+4-Methylphenols	330	U	49.5	330	400	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	96.3	U	57.1	96.3	96.3	ug/Kg
67-72-1	Hexachloroethane	160	U	21.2	160	200	ug/Kg
98-95-3	Nitrobenzene	160	U	22.0	160	200	ug/Kg
78-59-1	Isophorone	160	U	39.5	160	200	ug/Kg
88-75-5	2-Nitrophenol	160	U	70.1	160	200	ug/Kg
105-67-9	2,4-Dimethylphenol	160	U	78.0	160	200	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	160	U	37.1	160	200	ug/Kg
120-83-2	2,4-Dichlorophenol	160	U	34.1	160	200	ug/Kg
91-20-3	Naphthalene	160	U	27.3	160	200	ug/Kg
106-47-8	4-Chloroaniline	160	U	42.6	160	200	ug/Kg
87-68-3	Hexachlorobutadiene	160	U	30.5	160	200	ug/Kg
105-60-2	Caprolactam	330	U	62.7	330	400	ug/Kg
59-50-7	4-Chloro-3-methylphenol	160	U	34.6	160	200	ug/Kg
91-57-6	2-Methylnaphthalene	160	U	30.8	160	200	ug/Kg
77-47-4	Hexachlorocyclopentadiene	330	U	140	330	400	ug/Kg
88-06-2	2,4,6-Trichlorophenol	160	U	23.8	160	200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	160	U	35.0	160	200	ug/Kg
92-52-4	1,1-Biphenyl	160	U	26.3	160	200	ug/Kg
91-58-7	2-Chloronaphthalene	160	U	27.1	160	200	ug/Kg
88-74-4	2-Nitroaniline	160	U	57.9	160	200	ug/Kg
131-11-3	Dimethylphthalate	160	U	32.6	160	200	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/04/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	22BP-N	SDG No.:	Q2819
Lab Sample ID:	Q2819-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	82.9
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
BF143533.D	1	08/14/25 08:40	08/21/25 16:38	PB169242

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	160	U	34.8	160	200	ug/Kg
606-20-2	2,6-Dinitrotoluene	160	U	40.5	160	200	ug/Kg
99-09-2	3-Nitroaniline	160	U	55.4	160	200	ug/Kg
83-32-9	Acenaphthene	160	U	25.7	160	200	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	27.3	160	200	ug/Kg
121-14-2	2,4-Dinitrotoluene	160	U	60.3	160	200	ug/Kg
84-66-2	Diethylphthalate	160	U	34.1	160	200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	160	U	32.2	160	200	ug/Kg
86-73-7	Fluorene	160	U	30.5	160	200	ug/Kg
100-01-6	4-Nitroaniline	160	U	77.3	160	200	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	330	U	120	330	400	ug/Kg
86-30-6	n-Nitrosodiphenylamine	160	U	39.6	160	200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	160	U	33.5	160	200	ug/Kg
118-74-1	Hexachlorobenzene	160	U	30.5	160	200	ug/Kg
1912-24-9	Atrazine	160	U	40.9	160	200	ug/Kg
87-86-5	Pentachlorophenol	330	U	61.8	330	400	ug/Kg
85-01-8	Phenanthrene	160	U	25.2	160	200	ug/Kg
120-12-7	Anthracene	160	U	40.1	160	200	ug/Kg
86-74-8	Carbazole	160	U	37.6	160	200	ug/Kg
84-74-2	Di-n-butylphthalate	160	U	57.7	160	200	ug/Kg
206-44-0	Fluoranthene	130	J	36.1	160	200	ug/Kg
129-00-0	Pyrene	83.9	J	43.4	160	200	ug/Kg
85-68-7	Butylbenzylphthalate	160	U	86.0	160	200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	330	U	44.2	330	400	ug/Kg
56-55-3	Benzo(a)anthracene	160	U	27.7	160	200	ug/Kg
218-01-9	Chrysene	160	U	24.0	160	200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	160	U	71.3	160	200	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	200	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/04/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	22BP-N	SDG No.:	Q2819
Lab Sample ID:	Q2819-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	82.9
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
BF143533.D	1	08/14/25 08:40	08/21/25 16:38	PB169242

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	160	U	27.0	160	200	ug/Kg
50-32-8	Benzo(a)pyrene	160	U	35.5	160	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	160	U	35.0	160	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	160	U	33.0	160	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	160	U	30.9	160	200	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	160	U	30.8	160	200	ug/Kg
123-91-1	1,4-Dioxane	160	UQ	54.4	160	200	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	160	U	33.0	160	200	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	130		35 - 115		87%	SPK: 150
13127-88-3	Phenol-d6	136		34 - 127		91%	SPK: 150
4165-60-0	Nitrobenzene-d5	97.2		37 - 122		97%	SPK: 100
321-60-8	2-Fluorobiphenyl	93.8		44 - 115		94%	SPK: 100
118-79-6	2,4,6-Tribromophenol	134		39 - 132		89%	SPK: 150
1718-51-0	Terphenyl-d14	76.2		54 - 127		76%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	113000	6.928
1146-65-2	Naphthalene-d8	428000	8.204
15067-26-2	Acenaphthene-d10	220000	9.963
1517-22-2	Phenanthrene-d10	315000	11.451
1719-03-5	Chrysene-d12	221000	14.092
1520-96-3	Perylene-d12	261000	15.592

TENTATIVE IDENTIFIED COMPOUNDS

000994-05-8	Butane, 2-methoxy-2-methyl-	2000	J		2.28	ug/Kg
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	430	AB		5.17	ug/Kg
000119-61-9	Benzophenone	360	J		10.7	ug/Kg
001454-84-8	n-Nonadecanol-1	85.9	J		14.0	ug/Kg
000192-97-2	Benzo[e]pyrene	97.1	J		15.2	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/04/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	22BP-N	SDG No.:	Q2819
Lab Sample ID:	Q2819-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	82.9
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
BF143533.D	1	08/14/25 08:40	08/21/25 16:38	PB169242

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:	08/04/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	22BP-E	SDG No.:	Q2819
Lab Sample ID:	Q2819-02	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	85.7
Sample Wt/Vol:	30.09	Units:	g
Soil Aliquot Vol:			uL
Extraction Type :		Decanted :	N
Injection Volume :		GPC Factor :	1.0
Prep Method :	SW3541	Level :	LOW
		GPC Cleanup :	N
		PH :	
		Test:	SVOC-TCL BNA -20
		Final Vol:	1000
			uL

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025524.D	1	08/14/25 08:40	08/21/25 02:37	PB169242

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	25.7	150	200	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	150	U	28.3	150	200	ug/Kg
95-57-8	2-Chlorophenol	150	U	28.4	150	200	ug/Kg
95-48-7	2-Methylphenol	150	U	34.8	150	200	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	150	U	43.6	150	200	ug/Kg
98-86-2	Acetophenone	150	U	34.3	150	200	ug/Kg
65794-96-9	3+4-Methylphenols	310	U	47.8	310	380	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	93.1	U	55.1	93.1	93.1	ug/Kg
67-72-1	Hexachloroethane	150	U	20.5	150	200	ug/Kg
98-95-3	Nitrobenzene	150	U	21.3	150	200	ug/Kg
78-59-1	Isophorone	150	U	38.2	150	200	ug/Kg
88-75-5	2-Nitrophenol	150	U	67.7	150	200	ug/Kg
105-67-9	2,4-Dimethylphenol	150	U	75.4	150	200	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	150	U	35.8	150	200	ug/Kg
120-83-2	2,4-Dichlorophenol	150	U	32.9	150	200	ug/Kg
91-20-3	Naphthalene	150	U	26.4	150	200	ug/Kg
106-47-8	4-Chloroaniline	150	U	41.2	150	200	ug/Kg
87-68-3	Hexachlorobutadiene	150	U	29.4	150	200	ug/Kg
105-60-2	Caprolactam	310	U	60.6	310	380	ug/Kg
59-50-7	4-Chloro-3-methylphenol	150	U	33.4	150	200	ug/Kg
91-57-6	2-Methylnaphthalene	150	U	29.8	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	33.9	150	200	ug/Kg
92-52-4	1,1-Biphenyl	150	U	25.4	150	200	ug/Kg
91-58-7	2-Chloronaphthalene	150	U	26.2	150	200	ug/Kg
88-74-4	2-Nitroaniline	150	U	56.0	150	200	ug/Kg
131-11-3	Dimethylphthalate	150	U	31.5	150	200	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/04/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	22BP-E	SDG No.:	Q2819
Lab Sample ID:	Q2819-02	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	85.7
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
BP025524.D	1	08/14/25 08:40	08/21/25 02:37	PB169242

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	150	U	33.6	150	200	ug/Kg
606-20-2	2,6-Dinitrotoluene	150	U	39.1	150	200	ug/Kg
99-09-2	3-Nitroaniline	150	U	53.5	150	200	ug/Kg
83-32-9	Acenaphthene	150	U	24.8	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	26.4	150	200	ug/Kg
121-14-2	2,4-Dinitrotoluene	150	U	58.3	150	200	ug/Kg
84-66-2	Diethylphthalate	150	U	32.9	150	200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	150	U	31.1	150	200	ug/Kg
86-73-7	Fluorene	150	U	29.4	150	200	ug/Kg
100-01-6	4-Nitroaniline	150	U	74.7	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	38.3	150	200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	150	U	32.3	150	200	ug/Kg
118-74-1	Hexachlorobenzene	150	U	29.4	150	200	ug/Kg
1912-24-9	Atrazine	150	U	39.6	150	200	ug/Kg
87-86-5	Pentachlorophenol	310	U	59.7	310	380	ug/Kg
85-01-8	Phenanthrene	150	U	24.3	150	200	ug/Kg
120-12-7	Anthracene	150	U	38.7	150	200	ug/Kg
86-74-8	Carbazole	150	U	36.3	150	200	ug/Kg
84-74-2	Di-n-butylphthalate	150	U	55.7	150	200	ug/Kg
206-44-0	Fluoranthene	150	U	34.9	150	200	ug/Kg
129-00-0	Pyrene	150	U	41.9	150	200	ug/Kg
85-68-7	Butylbenzylphthalate	150	U	83.1	150	200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	310	U	42.7	310	380	ug/Kg
56-55-3	Benzo(a)anthracene	150	U	26.8	150	200	ug/Kg
218-01-9	Chrysene	150	U	23.2	150	200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	150	U	68.9	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	22.1	150	200	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/04/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	22BP-E	SDG No.:	Q2819
Lab Sample ID:	Q2819-02	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	85.7
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
BP025524.D	1	08/14/25 08:40	08/21/25 02:37	PB169242

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	150	U	26.1	150	200	ug/Kg
50-32-8	Benzo(a)pyrene	150	U	34.3	150	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	150	U	33.9	150	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	150	U	31.9	150	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	150	U	29.9	150	200	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	150	U	29.8	150	200	ug/Kg
123-91-1	1,4-Dioxane	150	UQ	52.6	150	200	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	150	U	31.9	150	200	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	82.1		35 - 115		55%	SPK: 150
13127-88-3	Phenol-d6	83.1		34 - 127		55%	SPK: 150
4165-60-0	Nitrobenzene-d5	55.6		37 - 122		56%	SPK: 100
321-60-8	2-Fluorobiphenyl	53.7		44 - 115		54%	SPK: 100
118-79-6	2,4,6-Tribromophenol	84.1		39 - 132		56%	SPK: 150
1718-51-0	Terphenyl-d14	51.6	*	54 - 127		52%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	188000	7.784
1146-65-2	Naphthalene-d8	720000	10.554
15067-26-2	Acenaphthene-d10	434000	14.401
1517-22-2	Phenanthrene-d10	813000	17.183
1719-03-5	Chrysene-d12	805000	21.624
1520-96-3	Perylene-d12	976000	24.983

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-	210	AB		4.95	ug/Kg
000119-61-9	Benzophenone	390	J		15.8	ug/Kg
000057-10-3	n-Hexadecanoic acid	230	J		18.1	ug/Kg
959010-23-2	Trifluoroacetic acid, pentadecyl e	230	J		21.3	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/04/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	22BP-E	SDG No.:	Q2819
Lab Sample ID:	Q2819-02	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	85.7
Sample Wt/Vol:	30.09	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
BP025524.D	1	08/14/25 08:40	08/21/25 02:37	PB169242

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:	08/04/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	22BP-W	SDG No.:	Q2819
Lab Sample ID:	Q2819-03	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	85.8
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
BP025515.D	1	08/14/25 08:40	08/20/25 20:30	PB169242

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	25.7	150	200	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	150	U	28.3	150	200	ug/Kg
95-57-8	2-Chlorophenol	150	U	28.4	150	200	ug/Kg
95-48-7	2-Methylphenol	150	U	34.8	150	200	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	150	U	43.7	150	200	ug/Kg
98-86-2	Acetophenone	150	U	34.4	150	200	ug/Kg
65794-96-9	3+4-Methylphenols	310	U	47.9	310	380	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	93.2	U	55.2	93.2	93.2	ug/Kg
67-72-1	Hexachloroethane	150	U	20.5	150	200	ug/Kg
98-95-3	Nitrobenzene	150	U	21.3	150	200	ug/Kg
78-59-1	Isophorone	150	U	38.2	150	200	ug/Kg
88-75-5	2-Nitrophenol	150	U	67.8	150	200	ug/Kg
105-67-9	2,4-Dimethylphenol	150	U	75.5	150	200	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	150	U	35.9	150	200	ug/Kg
120-83-2	2,4-Dichlorophenol	150	U	33.0	150	200	ug/Kg
91-20-3	Naphthalene	150	U	26.4	150	200	ug/Kg
106-47-8	4-Chloroaniline	150	U	41.2	150	200	ug/Kg
87-68-3	Hexachlorobutadiene	150	U	29.5	150	200	ug/Kg
105-60-2	Caprolactam	310	U	60.7	310	380	ug/Kg
59-50-7	4-Chloro-3-methylphenol	150	U	33.4	150	200	ug/Kg
91-57-6	2-Methylnaphthalene	150	U	29.8	150	200	ug/Kg
77-47-4	Hexachlorocyclopentadiene	310	U	140	310	380	ug/Kg
88-06-2	2,4,6-Trichlorophenol	150	U	23.1	150	200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	150	U	33.9	150	200	ug/Kg
92-52-4	1,1-Biphenyl	150	U	25.4	150	200	ug/Kg
91-58-7	2-Chloronaphthalene	150	U	26.2	150	200	ug/Kg
88-74-4	2-Nitroaniline	150	U	56.0	150	200	ug/Kg
131-11-3	Dimethylphthalate	150	U	31.6	150	200	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/04/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	22BP-W	SDG No.:	Q2819
Lab Sample ID:	Q2819-03	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	85.8
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
BP025515.D	1	08/14/25 08:40	08/20/25 20:30	PB169242

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	150	U	33.7	150	200	ug/Kg
606-20-2	2,6-Dinitrotoluene	150	U	39.1	150	200	ug/Kg
99-09-2	3-Nitroaniline	150	U	53.6	150	200	ug/Kg
83-32-9	Acenaphthene	150	U	24.8	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	26.4	150	200	ug/Kg
121-14-2	2,4-Dinitrotoluene	150	U	58.4	150	200	ug/Kg
84-66-2	Diethylphthalate	150	U	33.0	150	200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	150	U	31.1	150	200	ug/Kg
86-73-7	Fluorene	150	U	29.5	150	200	ug/Kg
100-01-6	4-Nitroaniline	150	U	74.8	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	38.3	150	200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	150	U	32.4	150	200	ug/Kg
118-74-1	Hexachlorobenzene	150	U	29.5	150	200	ug/Kg
1912-24-9	Atrazine	150	U	39.6	150	200	ug/Kg
87-86-5	Pentachlorophenol	310	U	59.8	310	380	ug/Kg
85-01-8	Phenanthrene	150	U	24.3	150	200	ug/Kg
120-12-7	Anthracene	150	U	38.8	150	200	ug/Kg
86-74-8	Carbazole	150	U	36.3	150	200	ug/Kg
84-74-2	Di-n-butylphthalate	150	U	55.8	150	200	ug/Kg
206-44-0	Fluoranthene	150	U	34.9	150	200	ug/Kg
129-00-0	Pyrene	150	U	41.9	150	200	ug/Kg
85-68-7	Butylbenzylphthalate	150	U	83.2	150	200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	310	U	42.7	310	380	ug/Kg
56-55-3	Benzo(a)anthracene	150	U	26.8	150	200	ug/Kg
218-01-9	Chrysene	150	U	23.2	150	200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	150	U	69.0	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	22.1	150	200	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/04/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	22BP-W	SDG No.:	Q2819
Lab Sample ID:	Q2819-03	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	85.8
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
BP025515.D	1	08/14/25 08:40	08/20/25 20:30	PB169242

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	150	U	26.1	150	200	ug/Kg
50-32-8	Benzo(a)pyrene	150	U	34.4	150	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	150	U	33.9	150	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	150	U	31.9	150	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	150	U	29.9	150	200	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	150	U	29.8	150	200	ug/Kg
123-91-1	1,4-Dioxane	150	UQ	52.6	150	200	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	150	U	31.9	150	200	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	95.1		35 - 115		63%	SPK: 150
13127-88-3	Phenol-d6	94.0		34 - 127		63%	SPK: 150
4165-60-0	Nitrobenzene-d5	61.7		37 - 122		62%	SPK: 100
321-60-8	2-Fluorobiphenyl	57.1		44 - 115		57%	SPK: 100
118-79-6	2,4,6-Tribromophenol	91.0		39 - 132		61%	SPK: 150
1718-51-0	Terphenyl-d14	54.3		54 - 127		54%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	193000	7.79
1146-65-2	Naphthalene-d8	737000	10.554
15067-26-2	Acenaphthene-d10	450000	14.407
1517-22-2	Phenanthrene-d10	802000	17.213
1719-03-5	Chrysene-d12	795000	21.648
1520-96-3	Perylene-d12	990000	25.018

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-	250	AB		4.95	ug/Kg
000119-61-9	Benzophenone	370	J		15.8	ug/Kg
000057-10-3	n-Hexadecanoic acid	210	J		18.1	ug/Kg
000057-11-4	Octadecanoic acid	84.6	J		19.5	ug/Kg
000111-06-8	Hexadecanoic acid, butyl ester	220	JB		19.6	ug/Kg
000123-95-5	Octadecanoic acid, butyl ester	200	JB		20.7	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/04/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	22BP-W	SDG No.:	Q2819
Lab Sample ID:	Q2819-03	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	85.8
Sample Wt/Vol:	30.02	Units:	g
Soil Aliquot Vol:			uL
Extraction Type :		Decanted :	N
Injection Volume :		GPC Factor :	1.0
Prep Method :	SW3541	Level :	LOW
		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
BP025515.D	1	08/14/25 08:40	08/20/25 20:30	PB169242

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
015306-27-1	Heptacos-1-ene	230	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:	08/04/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	22BP-S	SDG No.:	Q2819
Lab Sample ID:	Q2819-04	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	88.1
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
BP025539.D	1	08/14/25 08:40	08/21/25 14:15	PB169242

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
100-52-7	Benzaldehyde	310	U	180	310	370	ug/Kg
108-95-2	Phenol	150	U	25.1	150	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	150	U	27.6	150	190	ug/Kg
95-57-8	2-Chlorophenol	150	U	27.7	150	190	ug/Kg
95-48-7	2-Methylphenol	150	U	33.9	150	190	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	150	U	42.6	150	190	ug/Kg
98-86-2	Acetophenone	150	U	33.5	150	190	ug/Kg
65794-96-9	3+4-Methylphenols	310	U	46.6	310	370	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	90.8	U	53.8	90.8	90.8	ug/Kg
67-72-1	Hexachloroethane	150	U	20.0	150	190	ug/Kg
98-95-3	Nitrobenzene	150	U	20.8	150	190	ug/Kg
78-59-1	Isophorone	150	U	37.2	150	190	ug/Kg
88-75-5	2-Nitrophenol	150	U	66.0	150	190	ug/Kg
105-67-9	2,4-Dimethylphenol	150	U	73.5	150	190	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	150	U	34.9	150	190	ug/Kg
120-83-2	2,4-Dichlorophenol	150	U	32.1	150	190	ug/Kg
91-20-3	Naphthalene	150	U	25.8	150	190	ug/Kg
106-47-8	4-Chloroaniline	150	U	40.2	150	190	ug/Kg
87-68-3	Hexachlorobutadiene	150	U	28.7	150	190	ug/Kg
105-60-2	Caprolactam	310	U	59.1	310	370	ug/Kg
59-50-7	4-Chloro-3-methylphenol	150	U	32.6	150	190	ug/Kg
91-57-6	2-Methylnaphthalene	150	U	29.0	150	190	ug/Kg
77-47-4	Hexachlorocyclopentadiene	310	U	130	310	370	ug/Kg
88-06-2	2,4,6-Trichlorophenol	150	U	22.5	150	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	150	U	33.0	150	190	ug/Kg
92-52-4	1,1-Biphenyl	150	U	24.7	150	190	ug/Kg
91-58-7	2-Chloronaphthalene	150	U	25.5	150	190	ug/Kg
88-74-4	2-Nitroaniline	150	U	54.6	150	190	ug/Kg
131-11-3	Dimethylphthalate	150	U	30.8	150	190	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/04/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	22BP-S	SDG No.:	Q2819
Lab Sample ID:	Q2819-04	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	88.1
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
BP025539.D	1	08/14/25 08:40	08/21/25 14:15	PB169242

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	150	U	32.8	150	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	150	U	38.1	150	190	ug/Kg
99-09-2	3-Nitroaniline	150	U	52.2	150	190	ug/Kg
83-32-9	Acenaphthene	150	U	24.2	150	190	ug/Kg
51-28-5	2,4-Dinitrophenol	310	U	260	310	370	ug/Kg
100-02-7	4-Nitrophenol	310	U	120	310	370	ug/Kg
132-64-9	Dibenzofuran	150	U	25.8	150	190	ug/Kg
121-14-2	2,4-Dinitrotoluene	150	U	56.8	150	190	ug/Kg
84-66-2	Diethylphthalate	150	U	32.1	150	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	150	U	30.3	150	190	ug/Kg
86-73-7	Fluorene	150	U	28.7	150	190	ug/Kg
100-01-6	4-Nitroaniline	150	U	72.8	150	190	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	310	U	120	310	370	ug/Kg
86-30-6	n-Nitrosodiphenylamine	150	U	37.3	150	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	150	U	31.5	150	190	ug/Kg
118-74-1	Hexachlorobenzene	150	U	28.7	150	190	ug/Kg
1912-24-9	Atrazine	150	U	38.6	150	190	ug/Kg
87-86-5	Pentachlorophenol	310	U	58.2	310	370	ug/Kg
85-01-8	Phenanthrene	150	U	23.7	150	190	ug/Kg
120-12-7	Anthracene	150	U	37.8	150	190	ug/Kg
86-74-8	Carbazole	150	U	35.4	150	190	ug/Kg
84-74-2	Di-n-butylphthalate	150	U	54.4	150	190	ug/Kg
206-44-0	Fluoranthene	150	U	34.0	150	190	ug/Kg
129-00-0	Pyrene	150	U	40.8	150	190	ug/Kg
85-68-7	Butylbenzylphthalate	150	U	81.0	150	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	310	U	41.6	310	370	ug/Kg
56-55-3	Benzo(a)anthracene	150	U	26.1	150	190	ug/Kg
218-01-9	Chrysene	150	U	22.6	150	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	150	U	67.2	150	190	ug/Kg
117-84-0	Di-n-octyl phthalate	310	U	98.5	310	370	ug/Kg
205-99-2	Benzo(b)fluoranthene	150	U	21.6	150	190	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/04/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	22BP-S	SDG No.:	Q2819
Lab Sample ID:	Q2819-04	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	88.1
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
BP025539.D	1	08/14/25 08:40	08/21/25 14:15	PB169242

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	150	U	25.4	150	190	ug/Kg
50-32-8	Benzo(a)pyrene	150	U	33.5	150	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	150	U	33.0	150	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	150	U	31.1	150	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	150	U	29.2	150	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	150	U	29.0	150	190	ug/Kg
123-91-1	1,4-Dioxane	150	UQ	51.3	150	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	150	U	31.1	150	190	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	62.0		35 - 115		41%	SPK: 150
13127-88-3	Phenol-d6	63.4		34 - 127		42%	SPK: 150
4165-60-0	Nitrobenzene-d5	39.4		37 - 122		39%	SPK: 100
321-60-8	2-Fluorobiphenyl	36.9	*	44 - 115		37%	SPK: 100
118-79-6	2,4,6-Tribromophenol	64.2		39 - 132		43%	SPK: 150
1718-51-0	Terphenyl-d14	34.8	*	54 - 127		35%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	193000	7.784
1146-65-2	Naphthalene-d8	777000	10.554
15067-26-2	Acenaphthene-d10	487000	14.395
1517-22-2	Phenanthrene-d10	967000	17.195
1719-03-5	Chrysene-d12	966000	21.648
1520-96-3	Perylene-d12	1100000	25.024

TENTATIVE IDENTIFIED COMPOUNDS

000994-05-8	Butane, 2-methoxy-2-methyl-	640	J		3.04	ug/Kg
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	150	AB		4.94	ug/Kg
000119-61-9	Benzophenone	280	J		15.8	ug/Kg
000057-10-3	n-Hexadecanoic acid	260	J		18.1	ug/Kg
000057-11-4	Octadecanoic acid	86.6	J		19.5	ug/Kg
041755-58-2	Triacetyl acetate	88.9	J		21.3	ug/Kg
018835-32-0	1-Tricosene	190	J		21.3	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/04/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	22BP-S	SDG No.:	Q2819
Lab Sample ID:	Q2819-04	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	88.1
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
BP025539.D	1	08/14/25 08:40	08/21/25 14:15	PB169242

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:	08/04/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	22BP-SRE	SDG No.:	Q2819
Lab Sample ID:	Q2819-04RE	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	88.1
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
BF143538.D	1	08/14/25 08:40	08/21/25 19:03	PB169242

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
100-52-7	Benzaldehyde	310	U	180	310	370	ug/Kg
108-95-2	Phenol	150	U	25.1	150	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	150	U	27.6	150	190	ug/Kg
95-57-8	2-Chlorophenol	150	U	27.7	150	190	ug/Kg
95-48-7	2-Methylphenol	150	U	33.9	150	190	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	150	U	42.6	150	190	ug/Kg
98-86-2	Acetophenone	150	U	33.5	150	190	ug/Kg
65794-96-9	3+4-Methylphenols	310	U	46.6	310	370	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	90.8	U	53.8	90.8	90.8	ug/Kg
67-72-1	Hexachloroethane	150	U	20.0	150	190	ug/Kg
98-95-3	Nitrobenzene	150	U	20.8	150	190	ug/Kg
78-59-1	Isophorone	150	U	37.2	150	190	ug/Kg
88-75-5	2-Nitrophenol	150	U	66.0	150	190	ug/Kg
105-67-9	2,4-Dimethylphenol	150	U	73.5	150	190	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	150	U	34.9	150	190	ug/Kg
120-83-2	2,4-Dichlorophenol	150	U	32.1	150	190	ug/Kg
91-20-3	Naphthalene	150	U	25.8	150	190	ug/Kg
106-47-8	4-Chloroaniline	150	U	40.2	150	190	ug/Kg
87-68-3	Hexachlorobutadiene	150	U	28.7	150	190	ug/Kg
105-60-2	Caprolactam	310	U	59.1	310	370	ug/Kg
59-50-7	4-Chloro-3-methylphenol	150	U	32.6	150	190	ug/Kg
91-57-6	2-Methylnaphthalene	150	U	29.0	150	190	ug/Kg
77-47-4	Hexachlorocyclopentadiene	310	U	130	310	370	ug/Kg
88-06-2	2,4,6-Trichlorophenol	150	U	22.5	150	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	150	U	33.0	150	190	ug/Kg
92-52-4	1,1-Biphenyl	150	U	24.7	150	190	ug/Kg
91-58-7	2-Chloronaphthalene	150	U	25.5	150	190	ug/Kg
88-74-4	2-Nitroaniline	150	U	54.6	150	190	ug/Kg
131-11-3	Dimethylphthalate	150	U	30.8	150	190	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/04/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	22BP-SRE	SDG No.:	Q2819
Lab Sample ID:	Q2819-04RE	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	88.1
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
BF143538.D	1	08/14/25 08:40	08/21/25 19:03	PB169242

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	150	U	32.8	150	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	150	U	38.1	150	190	ug/Kg
99-09-2	3-Nitroaniline	150	U	52.2	150	190	ug/Kg
83-32-9	Acenaphthene	150	U	24.2	150	190	ug/Kg
51-28-5	2,4-Dinitrophenol	310	U	260	310	370	ug/Kg
100-02-7	4-Nitrophenol	310	U	120	310	370	ug/Kg
132-64-9	Dibenzofuran	150	U	25.8	150	190	ug/Kg
121-14-2	2,4-Dinitrotoluene	150	U	56.8	150	190	ug/Kg
84-66-2	Diethylphthalate	150	U	32.1	150	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	150	U	30.3	150	190	ug/Kg
86-73-7	Fluorene	150	U	28.7	150	190	ug/Kg
100-01-6	4-Nitroaniline	150	U	72.8	150	190	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	310	U	120	310	370	ug/Kg
86-30-6	n-Nitrosodiphenylamine	150	U	37.3	150	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	150	U	31.5	150	190	ug/Kg
118-74-1	Hexachlorobenzene	150	U	28.7	150	190	ug/Kg
1912-24-9	Atrazine	150	U	38.6	150	190	ug/Kg
87-86-5	Pentachlorophenol	310	U	58.2	310	370	ug/Kg
85-01-8	Phenanthrene	150	U	23.7	150	190	ug/Kg
120-12-7	Anthracene	150	U	37.8	150	190	ug/Kg
86-74-8	Carbazole	150	U	35.4	150	190	ug/Kg
84-74-2	Di-n-butylphthalate	150	U	54.4	150	190	ug/Kg
206-44-0	Fluoranthene	150	U	34.0	150	190	ug/Kg
129-00-0	Pyrene	150	U	40.8	150	190	ug/Kg
85-68-7	Butylbenzylphthalate	150	U	81.0	150	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	310	U	41.6	310	370	ug/Kg
56-55-3	Benzo(a)anthracene	150	U	26.1	150	190	ug/Kg
218-01-9	Chrysene	150	U	22.6	150	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	150	U	67.2	150	190	ug/Kg
117-84-0	Di-n-octyl phthalate	310	U	98.5	310	370	ug/Kg
205-99-2	Benzo(b)fluoranthene	150	U	21.6	150	190	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/04/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	22BP-SRE	SDG No.:	Q2819
Lab Sample ID:	Q2819-04RE	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	88.1
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
BF143538.D	1	08/14/25 08:40	08/21/25 19:03	PB169242

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	150	U	25.4	150	190	ug/Kg
50-32-8	Benzo(a)pyrene	150	U	33.5	150	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	150	U	33.0	150	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	150	U	31.1	150	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	150	U	29.2	150	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	150	U	29.0	150	190	ug/Kg
123-91-1	1,4-Dioxane	150	UQ	51.3	150	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	150	U	31.1	150	190	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	65.0		35 - 115		43%	SPK: 150
13127-88-3	Phenol-d6	65.8		34 - 127		44%	SPK: 150
4165-60-0	Nitrobenzene-d5	46.8		37 - 122		47%	SPK: 100
321-60-8	2-Fluorobiphenyl	48.0		44 - 115		48%	SPK: 100
118-79-6	2,4,6-Tribromophenol	56.6	*	39 - 132		38%	SPK: 150
1718-51-0	Terphenyl-d14	32.3	*	54 - 127		32%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	111000	6.928
1146-65-2	Naphthalene-d8	414000	8.204
15067-26-2	Acenaphthene-d10	203000	9.963
1517-22-2	Phenanthrene-d10	266000	11.451
1719-03-5	Chrysene-d12	227000	14.092
1520-96-3	Perylene-d12	248000	15.592

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:	08/05/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	11M-W	SDG No.:	Q2819
Lab Sample ID:	Q2819-05	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	91.5
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
BP025500.D	1	08/14/25 08:40	08/20/25 08:38	PB169242

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	24.1	140	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	140	U	26.5	140	190	ug/Kg
95-57-8	2-Chlorophenol	140	U	26.6	140	190	ug/Kg
95-48-7	2-Methylphenol	140	U	32.6	140	190	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	140	U	40.9	140	190	ug/Kg
98-86-2	Acetophenone	140	U	32.2	140	190	ug/Kg
65794-96-9	3+4-Methylphenols	290	U	44.9	290	360	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	87.3	U	51.7	87.3	87.3	ug/Kg
67-72-1	Hexachloroethane	140	U	19.2	140	190	ug/Kg
98-95-3	Nitrobenzene	140	U	20.0	140	190	ug/Kg
78-59-1	Isophorone	140	U	35.8	140	190	ug/Kg
88-75-5	2-Nitrophenol	140	U	63.5	140	190	ug/Kg
105-67-9	2,4-Dimethylphenol	140	U	70.7	140	190	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	140	U	33.6	140	190	ug/Kg
120-83-2	2,4-Dichlorophenol	140	U	30.9	140	190	ug/Kg
91-20-3	Naphthalene	140	U	24.8	140	190	ug/Kg
106-47-8	4-Chloroaniline	140	U	38.6	140	190	ug/Kg
87-68-3	Hexachlorobutadiene	140	U	27.6	140	190	ug/Kg
105-60-2	Caprolactam	290	U	56.9	290	360	ug/Kg
59-50-7	4-Chloro-3-methylphenol	140	U	31.3	140	190	ug/Kg
91-57-6	2-Methylnaphthalene	140	U	27.9	140	190	ug/Kg
77-47-4	Hexachlorocyclopentadiene	290	U	130	290	360	ug/Kg
88-06-2	2,4,6-Trichlorophenol	140	U	21.6	140	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	140	U	31.8	140	190	ug/Kg
92-52-4	1,1-Biphenyl	140	U	23.8	140	190	ug/Kg
91-58-7	2-Chloronaphthalene	140	U	24.6	140	190	ug/Kg
88-74-4	2-Nitroaniline	140	U	52.5	140	190	ug/Kg
131-11-3	Dimethylphthalate	140	U	29.6	140	190	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/05/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	11M-W	SDG No.:	Q2819
Lab Sample ID:	Q2819-05	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	91.5
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
BP025500.D	1	08/14/25 08:40	08/20/25 08:38	PB169242

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	140	U	31.5	140	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	140	U	36.7	140	190	ug/Kg
99-09-2	3-Nitroaniline	140	U	50.2	140	190	ug/Kg
83-32-9	Acenaphthene	140	U	23.2	140	190	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	24.8	140	190	ug/Kg
121-14-2	2,4-Dinitrotoluene	140	U	54.7	140	190	ug/Kg
84-66-2	Diethylphthalate	140	U	30.9	140	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	140	U	29.1	140	190	ug/Kg
86-73-7	Fluorene	140	U	27.6	140	190	ug/Kg
100-01-6	4-Nitroaniline	140	U	70.1	140	190	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	290	U	110	290	360	ug/Kg
86-30-6	n-Nitrosodiphenylamine	140	U	35.9	140	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	140	U	30.3	140	190	ug/Kg
118-74-1	Hexachlorobenzene	140	U	27.6	140	190	ug/Kg
1912-24-9	Atrazine	140	U	37.1	140	190	ug/Kg
87-86-5	Pentachlorophenol	290	U	56.0	290	360	ug/Kg
85-01-8	Phenanthrene	140	U	22.8	140	190	ug/Kg
120-12-7	Anthracene	140	U	36.3	140	190	ug/Kg
86-74-8	Carbazole	140	U	34.1	140	190	ug/Kg
84-74-2	Di-n-butylphthalate	140	U	52.3	140	190	ug/Kg
206-44-0	Fluoranthene	140	U	32.7	140	190	ug/Kg
129-00-0	Pyrene	140	U	39.3	140	190	ug/Kg
85-68-7	Butylbenzylphthalate	140	U	77.9	140	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	290	U	40.1	290	360	ug/Kg
56-55-3	Benzo(a)anthracene	140	U	25.1	140	190	ug/Kg
218-01-9	Chrysene	140	U	21.7	140	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	140	U	64.6	140	190	ug/Kg
117-84-0	Di-n-octyl phthalate	290	U	94.7	290	360	ug/Kg
205-99-2	Benzo(b)fluoranthene	140	U	20.7	140	190	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/05/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	11M-W	SDG No.:	Q2819
Lab Sample ID:	Q2819-05	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	91.5
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
BP025500.D	1	08/14/25 08:40	08/20/25 08:38	PB169242

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	140	U	24.4	140	190	ug/Kg
50-32-8	Benzo(a)pyrene	140	U	32.2	140	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	140	U	31.8	140	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	140	U	29.9	140	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	140	U	28.1	140	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	140	U	27.9	140	190	ug/Kg
123-91-1	1,4-Dioxane	140	UQ	49.3	140	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	140	U	29.9	140	190	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	122		35 - 115		81%	SPK: 150
13127-88-3	Phenol-d6	124		34 - 127		83%	SPK: 150
4165-60-0	Nitrobenzene-d5	78.0		37 - 122		78%	SPK: 100
321-60-8	2-Fluorobiphenyl	70.5		44 - 115		71%	SPK: 100
118-79-6	2,4,6-Tribromophenol	130		39 - 132		87%	SPK: 150
1718-51-0	Terphenyl-d14	70.1		54 - 127		70%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	157000	7.79
1146-65-2	Naphthalene-d8	621000	10.56
15067-26-2	Acenaphthene-d10	426000	14.401
1517-22-2	Phenanthrene-d10	905000	17.195
1719-03-5	Chrysene-d12	992000	21.636
1520-96-3	Perylene-d12	1040000	25.007

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-	290	AB		4.94	ug/Kg
000119-61-9	Benzophenone	400	J		15.8	ug/Kg
000057-10-3	n-Hexadecanoic acid	280	J		18.1	ug/Kg
000110-34-9	Hexadecanoic acid, 2-methylpropyl	130	JB		19.4	ug/Kg
000057-11-4	Octadecanoic acid	100	J		19.5	ug/Kg
000111-06-8	Hexadecanoic acid, butyl ester	210	JB		19.6	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/05/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	11M-W	SDG No.:	Q2819
Lab Sample ID:	Q2819-05	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	91.5
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
BP025500.D	1	08/14/25 08:40	08/20/25 08:38	PB169242

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
000646-13-9	Octadecanoic acid, 2-methylpropyl	77.1	J			20.5	ug/Kg
000123-95-5	Octadecanoic acid, butyl ester	170	JB			20.7	ug/Kg
1000351-88-8	Nonadecyl pentafluoropropionate	190	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:	08/05/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	11M-S	SDG No.:	Q2819
Lab Sample ID:	Q2819-06	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	90.5
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
BF143532.D	1	08/14/25 08:40	08/21/25 16:09	PB169242

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	24.4	140	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	140	U	26.8	140	190	ug/Kg
95-57-8	2-Chlorophenol	140	U	26.9	140	190	ug/Kg
95-48-7	2-Methylphenol	140	U	33.0	140	190	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	140	U	41.3	140	190	ug/Kg
98-86-2	Acetophenone	140	U	32.5	140	190	ug/Kg
65794-96-9	3+4-Methylphenols	300	U	45.3	300	360	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	88.2	U	52.3	88.2	88.2	ug/Kg
67-72-1	Hexachloroethane	140	U	19.4	140	190	ug/Kg
98-95-3	Nitrobenzene	140	U	20.2	140	190	ug/Kg
78-59-1	Isophorone	140	U	36.2	140	190	ug/Kg
88-75-5	2-Nitrophenol	140	U	64.2	140	190	ug/Kg
105-67-9	2,4-Dimethylphenol	140	U	71.4	140	190	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	140	U	34.0	140	190	ug/Kg
120-83-2	2,4-Dichlorophenol	140	U	31.2	140	190	ug/Kg
91-20-3	Naphthalene	140	U	25.0	140	190	ug/Kg
106-47-8	4-Chloroaniline	140	U	39.0	140	190	ug/Kg
87-68-3	Hexachlorobutadiene	140	U	27.9	140	190	ug/Kg
105-60-2	Caprolactam	300	U	57.4	300	360	ug/Kg
59-50-7	4-Chloro-3-methylphenol	140	U	31.6	140	190	ug/Kg
91-57-6	2-Methylnaphthalene	140	U	28.2	140	190	ug/Kg
77-47-4	Hexachlorocyclopentadiene	300	U	130	300	360	ug/Kg
88-06-2	2,4,6-Trichlorophenol	140	U	21.8	140	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	140	U	32.1	140	190	ug/Kg
92-52-4	1,1-Biphenyl	140	U	24.0	140	190	ug/Kg
91-58-7	2-Chloronaphthalene	140	U	24.8	140	190	ug/Kg
88-74-4	2-Nitroaniline	140	U	53.0	140	190	ug/Kg
131-11-3	Dimethylphthalate	140	U	29.9	140	190	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/05/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	11M-S	SDG No.:	Q2819
Lab Sample ID:	Q2819-06	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	90.5
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
BF143532.D	1	08/14/25 08:40	08/21/25 16:09	PB169242

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	140	U	31.9	140	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	140	U	37.0	140	190	ug/Kg
99-09-2	3-Nitroaniline	140	U	50.7	140	190	ug/Kg
83-32-9	Acenaphthene	140	U	23.5	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	25.0	140	190	ug/Kg
121-14-2	2,4-Dinitrotoluene	140	U	55.2	140	190	ug/Kg
84-66-2	Diethylphthalate	140	U	31.2	140	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	140	U	29.4	140	190	ug/Kg
86-73-7	Fluorene	140	U	27.9	140	190	ug/Kg
100-01-6	4-Nitroaniline	140	U	70.8	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	36.3	140	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	140	U	30.6	140	190	ug/Kg
118-74-1	Hexachlorobenzene	140	U	27.9	140	190	ug/Kg
1912-24-9	Atrazine	140	U	37.5	140	190	ug/Kg
87-86-5	Pentachlorophenol	300	U	56.6	300	360	ug/Kg
85-01-8	Phenanthrene	140	U	23.0	140	190	ug/Kg
120-12-7	Anthracene	140	U	36.7	140	190	ug/Kg
86-74-8	Carbazole	140	U	34.4	140	190	ug/Kg
84-74-2	Di-n-butylphthalate	140	U	52.8	140	190	ug/Kg
206-44-0	Fluoranthene	140	U	33.1	140	190	ug/Kg
129-00-0	Pyrene	140	U	39.7	140	190	ug/Kg
85-68-7	Butylbenzylphthalate	140	U	78.7	140	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	300	U	40.5	300	360	ug/Kg
56-55-3	Benzo(a)anthracene	140	U	25.4	140	190	ug/Kg
218-01-9	Chrysene	140	U	21.9	140	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	140	U	65.3	140	190	ug/Kg
117-84-0	Di-n-octyl phthalate	300	U	95.7	300	360	ug/Kg
205-99-2	Benzo(b)fluoranthene	140	U	20.9	140	190	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/05/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	11M-S	SDG No.:	Q2819
Lab Sample ID:	Q2819-06	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	90.5
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
BF143532.D	1	08/14/25 08:40	08/21/25 16:09	PB169242

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	140	U	24.7	140	190	ug/Kg
50-32-8	Benzo(a)pyrene	140	U	32.5	140	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	140	U	32.1	140	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	140	U	30.2	140	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	140	U	28.3	140	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	140	U	28.2	140	190	ug/Kg
123-91-1	1,4-Dioxane	140	UQ	49.8	140	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	140	U	30.2	140	190	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	81.4		35 - 115		54%	SPK: 150
13127-88-3	Phenol-d6	83.1		34 - 127		55%	SPK: 150
4165-60-0	Nitrobenzene-d5	60.4		37 - 122		60%	SPK: 100
321-60-8	2-Fluorobiphenyl	57.5		44 - 115		58%	SPK: 100
118-79-6	2,4,6-Tribromophenol	80.2		39 - 132		53%	SPK: 150
1718-51-0	Terphenyl-d14	48.2	*	54 - 127		48%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	125000	6.928
1146-65-2	Naphthalene-d8	464000	8.204
15067-26-2	Acenaphthene-d10	241000	9.963
1517-22-2	Phenanthrene-d10	350000	11.451
1719-03-5	Chrysene-d12	236000	14.092
1520-96-3	Perylene-d12	279000	15.592

TENTATIVE IDENTIFIED COMPOUNDS

000994-05-8	Butane, 2-methoxy-2-methyl-	1200	J		2.27	ug/Kg
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	230	AB		5.16	ug/Kg
000119-61-9	Benzophenone	200	J		10.7	ug/Kg
000111-06-8	Hexadecanoic acid, butyl ester	81.9	JB		12.9	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/05/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	11M-S	SDG No.:	Q2819
Lab Sample ID:	Q2819-06	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	90.5
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
BF143532.D	1	08/14/25 08:40	08/21/25 16:09	PB169242

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:	08/05/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	11M-N	SDG No.:	Q2819
Lab Sample ID:	Q2819-07	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	75.9
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
BF143525.D	1	08/14/25 08:40	08/21/25 12:46	PB169242

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
100-52-7	Benzaldehyde	360	U	210	360	430	ug/Kg
108-95-2	Phenol	170	U	29.1	170	220	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	170	U	32.0	170	220	ug/Kg
95-57-8	2-Chlorophenol	170	U	32.1	170	220	ug/Kg
95-48-7	2-Methylphenol	170	U	39.4	170	220	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	170	U	49.4	170	220	ug/Kg
98-86-2	Acetophenone	170	U	38.8	170	220	ug/Kg
65794-96-9	3+4-Methylphenols	360	U	54.1	360	430	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	110	U	62.4	110	110	ug/Kg
67-72-1	Hexachloroethane	170	U	23.2	170	220	ug/Kg
98-95-3	Nitrobenzene	170	U	24.1	170	220	ug/Kg
78-59-1	Isophorone	170	U	43.2	170	220	ug/Kg
88-75-5	2-Nitrophenol	170	U	76.6	170	220	ug/Kg
105-67-9	2,4-Dimethylphenol	170	U	85.3	170	220	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	170	U	40.5	170	220	ug/Kg
120-83-2	2,4-Dichlorophenol	170	U	37.2	170	220	ug/Kg
91-20-3	Naphthalene	780		29.9	170	220	ug/Kg
106-47-8	4-Chloroaniline	170	U	46.6	170	220	ug/Kg
87-68-3	Hexachlorobutadiene	170	U	33.3	170	220	ug/Kg
105-60-2	Caprolactam	360	U	68.6	360	430	ug/Kg
59-50-7	4-Chloro-3-methylphenol	170	U	37.8	170	220	ug/Kg
91-57-6	2-Methylnaphthalene	280		33.7	170	220	ug/Kg
77-47-4	Hexachlorocyclopentadiene	360	U	150	360	430	ug/Kg
88-06-2	2,4,6-Trichlorophenol	170	U	26.1	170	220	ug/Kg
95-95-4	2,4,5-Trichlorophenol	170	U	38.3	170	220	ug/Kg
92-52-4	1,1-Biphenyl	170	U	28.7	170	220	ug/Kg
91-58-7	2-Chloronaphthalene	170	U	29.6	170	220	ug/Kg
88-74-4	2-Nitroaniline	170	U	63.3	170	220	ug/Kg
131-11-3	Dimethylphthalate	170	U	35.7	170	220	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/05/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	11M-N	SDG No.:	Q2819
Lab Sample ID:	Q2819-07	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	75.9
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
BF143525.D	1	08/14/25 08:40	08/21/25 12:46	PB169242

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	170	U	38.0	170	220	ug/Kg
606-20-2	2,6-Dinitrotoluene	170	U	44.2	170	220	ug/Kg
99-09-2	3-Nitroaniline	170	U	60.5	170	220	ug/Kg
83-32-9	Acenaphthene	480		28.0	170	220	ug/Kg
51-28-5	2,4-Dinitrophenol	360	U	300	360	430	ug/Kg
100-02-7	4-Nitrophenol	360	U	140	360	430	ug/Kg
132-64-9	Dibenzofuran	460		29.9	170	220	ug/Kg
121-14-2	2,4-Dinitrotoluene	170	U	65.9	170	220	ug/Kg
84-66-2	Diethylphthalate	170	U	37.2	170	220	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	170	U	35.1	170	220	ug/Kg
86-73-7	Fluorene	610		33.3	170	220	ug/Kg
100-01-6	4-Nitroaniline	170	U	84.5	170	220	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	360	U	140	360	430	ug/Kg
86-30-6	n-Nitrosodiphenylamine	170	U	43.3	170	220	ug/Kg
101-55-3	4-Bromophenyl-phenylether	170	U	36.6	170	220	ug/Kg
118-74-1	Hexachlorobenzene	170	U	33.3	170	220	ug/Kg
1912-24-9	Atrazine	170	U	44.8	170	220	ug/Kg
87-86-5	Pentachlorophenol	360	U	67.5	360	430	ug/Kg
85-01-8	Phenanthrene	1600		27.5	170	220	ug/Kg
120-12-7	Anthracene	210	J	43.8	170	220	ug/Kg
86-74-8	Carbazole	510		41.1	170	220	ug/Kg
84-74-2	Di-n-butylphthalate	170	U	63.0	170	220	ug/Kg
206-44-0	Fluoranthene	730		39.5	170	220	ug/Kg
129-00-0	Pyrene	420		47.4	170	220	ug/Kg
85-68-7	Butylbenzylphthalate	170	U	94.0	170	220	ug/Kg
91-94-1	3,3-Dichlorobenzidine	360	U	48.3	360	430	ug/Kg
56-55-3	Benzo(a)anthracene	160	J	30.3	170	220	ug/Kg
218-01-9	Chrysene	140	J	26.2	170	220	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	170	U	77.9	170	220	ug/Kg
117-84-0	Di-n-octyl phthalate	360	U	110	360	430	ug/Kg
205-99-2	Benzo(b)fluoranthene	110	J	25.0	170	220	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/05/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	11M-N	SDG No.:	Q2819
Lab Sample ID:	Q2819-07	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	75.9
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
BF143525.D	1	08/14/25 08:40	08/21/25 12:46	PB169242

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	170	U	29.5	170	220	ug/Kg
50-32-8	Benzo(a)pyrene	170	U	38.8	170	220	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	170	U	38.3	170	220	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	170	U	36.1	170	220	ug/Kg
191-24-2	Benzo(g,h,i)perylene	170	U	33.8	170	220	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	170	U	33.7	170	220	ug/Kg
123-91-1	1,4-Dioxane	170	UQ	59.5	170	220	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	170	U	36.1	170	220	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	84.9		35 - 115		57%	SPK: 150
13127-88-3	Phenol-d6	86.5		34 - 127		58%	SPK: 150
4165-60-0	Nitrobenzene-d5	62.8		37 - 122		63%	SPK: 100
321-60-8	2-Fluorobiphenyl	56.6		44 - 115		57%	SPK: 100
118-79-6	2,4,6-Tribromophenol	77.3		39 - 132		52%	SPK: 150
1718-51-0	Terphenyl-d14	50.5	*	54 - 127		50%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	119000	6.928
1146-65-2	Naphthalene-d8	450000	8.204
15067-26-2	Acenaphthene-d10	235000	9.963
1517-22-2	Phenanthrene-d10	338000	11.451
1719-03-5	Chrysene-d12	208000	14.092
1520-96-3	Perylene-d12	262000	15.592

TENTATIVE IDENTIFIED COMPOUNDS

000994-05-8	Butane, 2-methoxy-2-methyl-	1600	J		2.27	ug/Kg
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	280	AB		5.16	ug/Kg
90-12-0	1-Methylnaphthalene	190	J		9.02	ug/Kg
000575-41-7	Naphthalene, 1,3-dimethyl-	160	J		9.62	ug/Kg
000644-08-6	1,1-Biphenyl, 4-methyl-	94.3	J		10.6	ug/Kg
000119-61-9	Benzophenone	300	J		10.7	ug/Kg
002235-15-6	1(2H)-Acenaphthylene	130	J		10.9	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/05/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	11M-N	SDG No.:	Q2819
Lab Sample ID:	Q2819-07	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	75.9
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
BF143525.D	1	08/14/25 08:40	08/21/25 12:46	PB169242

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
001730-37-6	9H-Fluorene, 1-methyl-	110	J			11.1	ug/Kg
000132-65-0	Dibenzothiophene	140	J			11.3	ug/Kg
002531-84-2	Phenanthrene, 2-methyl-	110	J			12.0	ug/Kg
000613-12-7	Anthracene, 2-methyl-	180	J			12.0	ug/Kg
000203-64-5	4H-Cyclopenta[def]phenanthrene	280	J			12.1	ug/Kg
033543-31-6	Fluoranthene, 2-methyl-	120	J			13.2	ug/Kg
000123-95-5	Octadecanoic acid, butyl ester	100	JB			13.6	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:	08/05/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	11M-E	SDG No.:	Q2819
Lab Sample ID:	Q2819-08	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	71.8
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
BF143526.D	1	08/14/25 08:40	08/21/25 13:15	PB169242

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
100-52-7	Benzaldehyde	380	U	220	380	460	ug/Kg
108-95-2	Phenol	180	U	30.7	180	240	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	180	U	33.8	180	240	ug/Kg
95-57-8	2-Chlorophenol	180	U	33.9	180	240	ug/Kg
95-48-7	2-Methylphenol	180	U	41.6	180	240	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	180	U	52.1	180	240	ug/Kg
98-86-2	Acetophenone	180	U	41.0	180	240	ug/Kg
65794-96-9	3+4-Methylphenols	380	U	57.1	380	460	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	110	U	65.9	110	110	ug/Kg
67-72-1	Hexachloroethane	180	U	24.5	180	240	ug/Kg
98-95-3	Nitrobenzene	180	U	25.4	180	240	ug/Kg
78-59-1	Isophorone	180	U	45.6	180	240	ug/Kg
88-75-5	2-Nitrophenol	180	U	80.9	180	240	ug/Kg
105-67-9	2,4-Dimethylphenol	180	U	90.1	180	240	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	180	U	42.8	180	240	ug/Kg
120-83-2	2,4-Dichlorophenol	180	U	39.3	180	240	ug/Kg
91-20-3	Naphthalene	180	U	31.6	180	240	ug/Kg
106-47-8	4-Chloroaniline	180	U	49.2	180	240	ug/Kg
87-68-3	Hexachlorobutadiene	180	U	35.2	180	240	ug/Kg
105-60-2	Caprolactam	380	U	72.4	380	460	ug/Kg
59-50-7	4-Chloro-3-methylphenol	180	U	39.9	180	240	ug/Kg
91-57-6	2-Methylnaphthalene	180	U	35.6	180	240	ug/Kg
77-47-4	Hexachlorocyclopentadiene	380	U	160	380	460	ug/Kg
88-06-2	2,4,6-Trichlorophenol	180	U	27.5	180	240	ug/Kg
95-95-4	2,4,5-Trichlorophenol	180	U	40.5	180	240	ug/Kg
92-52-4	1,1-Biphenyl	180	U	30.3	180	240	ug/Kg
91-58-7	2-Chloronaphthalene	180	U	31.3	180	240	ug/Kg
88-74-4	2-Nitroaniline	180	U	66.9	180	240	ug/Kg
131-11-3	Dimethylphthalate	180	U	37.7	180	240	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/05/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	11M-E	SDG No.:	Q2819
Lab Sample ID:	Q2819-08	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	71.8
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
BF143526.D	1	08/14/25 08:40	08/21/25 13:15	PB169242

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	180	U	40.2	180	240	ug/Kg
606-20-2	2,6-Dinitrotoluene	180	U	46.7	180	240	ug/Kg
99-09-2	3-Nitroaniline	180	U	64.0	180	240	ug/Kg
83-32-9	Acenaphthene	180	U	29.6	180	240	ug/Kg
51-28-5	2,4-Dinitrophenol	380	U	320	380	460	ug/Kg
100-02-7	4-Nitrophenol	380	U	150	380	460	ug/Kg
132-64-9	Dibenzofuran	180	U	31.6	180	240	ug/Kg
121-14-2	2,4-Dinitrotoluene	180	U	69.7	180	240	ug/Kg
84-66-2	Diethylphthalate	180	U	39.3	180	240	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	180	U	37.1	180	240	ug/Kg
86-73-7	Fluorene	180	U	35.2	180	240	ug/Kg
100-01-6	4-Nitroaniline	180	U	89.3	180	240	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	380	U	140	380	460	ug/Kg
86-30-6	n-Nitrosodiphenylamine	180	U	45.7	180	240	ug/Kg
101-55-3	4-Bromophenyl-phenylether	180	U	38.7	180	240	ug/Kg
118-74-1	Hexachlorobenzene	180	U	35.2	180	240	ug/Kg
1912-24-9	Atrazine	180	U	47.3	180	240	ug/Kg
87-86-5	Pentachlorophenol	380	U	71.3	380	460	ug/Kg
85-01-8	Phenanthrene	210	J	29.1	180	240	ug/Kg
120-12-7	Anthracene	180	U	46.3	180	240	ug/Kg
86-74-8	Carbazole	180	U	43.4	180	240	ug/Kg
84-74-2	Di-n-butylphthalate	180	U	66.6	180	240	ug/Kg
206-44-0	Fluoranthene	380		41.7	180	240	ug/Kg
129-00-0	Pyrene	260		50.1	180	240	ug/Kg
85-68-7	Butylbenzylphthalate	180	U	99.3	180	240	ug/Kg
91-94-1	3,3-Dichlorobenzidine	380	U	51.0	380	460	ug/Kg
56-55-3	Benzo(a)anthracene	180	J	32.0	180	240	ug/Kg
218-01-9	Chrysene	200	J	27.7	180	240	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	180	U	82.3	180	240	ug/Kg
117-84-0	Di-n-octyl phthalate	380	U	120	380	460	ug/Kg
205-99-2	Benzo(b)fluoranthene	240		26.4	180	240	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/05/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	11M-E	SDG No.:	Q2819
Lab Sample ID:	Q2819-08	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	71.8
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
BF143526.D	1	08/14/25 08:40	08/21/25 13:15	PB169242

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	93.9	J	31.1	180	240	ug/Kg
50-32-8	Benzo(a)pyrene	170	J	41.0	180	240	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	180	U	40.5	180	240	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	180	U	38.1	180	240	ug/Kg
191-24-2	Benzo(g,h,i)perylene	94.5	J	35.7	180	240	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	180	U	35.6	180	240	ug/Kg
123-91-1	1,4-Dioxane	180	UQ	62.8	180	240	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	180	U	38.1	180	240	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	59.8		35 - 115		40%	SPK: 150
13127-88-3	Phenol-d6	65.5		34 - 127		44%	SPK: 150
4165-60-0	Nitrobenzene-d5	43.3		37 - 122		43%	SPK: 100
321-60-8	2-Fluorobiphenyl	54.7		44 - 115		55%	SPK: 100
118-79-6	2,4,6-Tribromophenol	100.0		39 - 132		67%	SPK: 150
1718-51-0	Terphenyl-d14	60.2		54 - 127		60%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	122000	6.928
1146-65-2	Naphthalene-d8	460000	8.204
15067-26-2	Acenaphthene-d10	239000	9.963
1517-22-2	Phenanthrene-d10	332000	11.451
1719-03-5	Chrysene-d12	226000	14.092
1520-96-3	Perylene-d12	280000	15.592

TENTATIVE IDENTIFIED COMPOUNDS

000994-05-8	Butane, 2-methoxy-2-methyl-	590	J		2.26	ug/Kg
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	330	AB		5.15	ug/Kg
000475-20-7	Longifolene	110	J		9.60	ug/Kg
000119-61-9	Benzophenone	240	J		10.7	ug/Kg
000511-15-9	2-Phenanthrenol, 4b,5,6,7,8,8a,9,1	160	J		13.5	ug/Kg
000123-95-5	Octadecanoic acid, butyl ester	100	JB		13.6	ug/Kg
000192-97-2	Benzo[e]pyrene	130	J		15.5	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/05/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	11M-E	SDG No.:	Q2819
Lab Sample ID:	Q2819-08	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	71.8
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
BF143526.D	1	08/14/25 08:40	08/21/25 13:15	PB169242

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
000112-95-8	Eicosane	100	J			16.1	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:	08/05/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	84SB-E	SDG No.:	Q2819
Lab Sample ID:	Q2819-09	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	37.6
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
BP025518.D	1	08/14/25 08:40	08/20/25 22:32	PB169242

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
100-52-7	Benzaldehyde	720	U	410	720	880	ug/Kg
108-95-2	Phenol	340	U	58.6	340	450	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	340	U	64.4	340	450	ug/Kg
95-57-8	2-Chlorophenol	340	U	64.7	340	450	ug/Kg
95-48-7	2-Methylphenol	340	U	79.3	340	450	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	340	U	99.4	340	450	ug/Kg
98-86-2	Acetophenone	340	U	78.2	340	450	ug/Kg
65794-96-9	3+4-Methylphenols	720	U	110	720	880	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	210	U	130	210	210	ug/Kg
67-72-1	Hexachloroethane	340	U	46.7	340	450	ug/Kg
98-95-3	Nitrobenzene	340	U	48.5	340	450	ug/Kg
78-59-1	Isophorone	340	U	87.0	340	450	ug/Kg
88-75-5	2-Nitrophenol	340	U	150	340	450	ug/Kg
105-67-9	2,4-Dimethylphenol	340	U	170	340	450	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	340	U	81.7	340	450	ug/Kg
120-83-2	2,4-Dichlorophenol	340	U	75.0	340	450	ug/Kg
91-20-3	Naphthalene	340	U	60.2	340	450	ug/Kg
106-47-8	4-Chloroaniline	340	U	93.9	340	450	ug/Kg
87-68-3	Hexachlorobutadiene	340	U	67.1	340	450	ug/Kg
105-60-2	Caprolactam	720	U	140	720	880	ug/Kg
59-50-7	4-Chloro-3-methylphenol	340	U	76.1	340	450	ug/Kg
91-57-6	2-Methylnaphthalene	340	U	67.9	340	450	ug/Kg
77-47-4	Hexachlorocyclopentadiene	720	U	310	720	880	ug/Kg
88-06-2	2,4,6-Trichlorophenol	340	U	52.5	340	450	ug/Kg
95-95-4	2,4,5-Trichlorophenol	340	U	77.2	340	450	ug/Kg
92-52-4	1,1-Biphenyl	340	U	57.8	340	450	ug/Kg
91-58-7	2-Chloronaphthalene	340	U	59.7	340	450	ug/Kg
88-74-4	2-Nitroaniline	340	U	130	340	450	ug/Kg
131-11-3	Dimethylphthalate	340	U	71.9	340	450	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/05/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	84SB-E	SDG No.:	Q2819
Lab Sample ID:	Q2819-09	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	37.6
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
BP025518.D	1	08/14/25 08:40	08/20/25 22:32	PB169242

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	340	U	76.6	340	450	ug/Kg
606-20-2	2,6-Dinitrotoluene	340	U	89.1	340	450	ug/Kg
99-09-2	3-Nitroaniline	340	U	120	340	450	ug/Kg
83-32-9	Acenaphthene	340	U	56.5	340	450	ug/Kg
51-28-5	2,4-Dinitrophenol	720	U	610	720	880	ug/Kg
100-02-7	4-Nitrophenol	720	U	280	720	880	ug/Kg
132-64-9	Dibenzofuran	340	U	60.2	340	450	ug/Kg
121-14-2	2,4-Dinitrotoluene	340	U	130	340	450	ug/Kg
84-66-2	Diethylphthalate	340	U	75.0	340	450	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	340	U	70.8	340	450	ug/Kg
86-73-7	Fluorene	340	U	67.1	340	450	ug/Kg
100-01-6	4-Nitroaniline	340	U	170	340	450	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	720	U	270	720	880	ug/Kg
86-30-6	n-Nitrosodiphenylamine	340	U	87.2	340	450	ug/Kg
101-55-3	4-Bromophenyl-phenylether	340	U	73.7	340	450	ug/Kg
118-74-1	Hexachlorobenzene	340	U	67.1	340	450	ug/Kg
1912-24-9	Atrazine	340	U	90.2	340	450	ug/Kg
87-86-5	Pentachlorophenol	720	U	140	720	880	ug/Kg
85-01-8	Phenanthrene	340	U	55.4	340	450	ug/Kg
120-12-7	Anthracene	340	U	88.3	340	450	ug/Kg
86-74-8	Carbazole	340	U	82.7	340	450	ug/Kg
84-74-2	Di-n-butylphthalate	340	U	130	340	450	ug/Kg
206-44-0	Fluoranthene	340	U	79.5	340	450	ug/Kg
129-00-0	Pyrene	340	U	95.5	340	450	ug/Kg
85-68-7	Butylbenzylphthalate	340	U	190	340	450	ug/Kg
91-94-1	3,3-Dichlorobenzidine	720	U	97.3	720	880	ug/Kg
56-55-3	Benzo(a)anthracene	340	U	61.0	340	450	ug/Kg
218-01-9	Chrysene	340	U	52.8	340	450	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	340	U	160	340	450	ug/Kg
117-84-0	Di-n-octyl phthalate	720	U	230	720	880	ug/Kg
205-99-2	Benzo(b)fluoranthene	340	U	50.4	340	450	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/05/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	84SB-E	SDG No.:	Q2819
Lab Sample ID:	Q2819-09	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	37.6
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
BP025518.D	1	08/14/25 08:40	08/20/25 22:32	PB169242

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	340	U	59.4	340	450	ug/Kg
50-32-8	Benzo(a)pyrene	340	U	78.2	340	450	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	340	U	77.2	340	450	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	340	U	72.7	340	450	ug/Kg
191-24-2	Benzo(g,h,i)perylene	340	U	68.1	340	450	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	340	U	67.9	340	450	ug/Kg
123-91-1	1,4-Dioxane	340	UQ	120	340	450	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	340	U	72.7	340	450	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	97.1		35 - 115		65%	SPK: 150
13127-88-3	Phenol-d6	93.3		34 - 127		62%	SPK: 150
4165-60-0	Nitrobenzene-d5	65.3		37 - 122		65%	SPK: 100
321-60-8	2-Fluorobiphenyl	55.4		44 - 115		55%	SPK: 100
118-79-6	2,4,6-Tribromophenol	98.0		39 - 132		65%	SPK: 150
1718-51-0	Terphenyl-d14	51.5	*	54 - 127		51%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	165000	7.784
1146-65-2	Naphthalene-d8	629000	10.555
15067-26-2	Acenaphthene-d10	393000	14.401
1517-22-2	Phenanthrene-d10	801000	17.195
1719-03-5	Chrysene-d12	914000	21.636
1520-96-3	Perylene-d12	1000000	25.013

TENTATIVE IDENTIFIED COMPOUNDS

000994-05-8	Butane, 2-methoxy-2-methyl-	3100	J		3.04	ug/Kg
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	540	AB		4.94	ug/Kg
000119-61-9	Benzophenone	510	J		15.8	ug/Kg
000057-10-3	n-Hexadecanoic acid	540	J		18.1	ug/Kg
000110-34-9	Hexadecanoic acid, 2-methylpropyl	340	JB		19.4	ug/Kg
000057-11-4	Octadecanoic acid	210	J		19.5	ug/Kg
000111-06-8	Hexadecanoic acid, butyl ester	750	JB		19.6	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/05/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	84SB-E	SDG No.:	Q2819
Lab Sample ID:	Q2819-09	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	37.6
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
BP025518.D	1	08/14/25 08:40	08/20/25 22:32	PB169242

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
000646-13-9	Octadecanoic acid, 2-methylpropyl	190	J			20.5	ug/Kg
000123-95-5	Octadecanoic acid, butyl ester	630	JB			20.7	ug/Kg
018835-32-0	1-Tricosene	610	J			21.3	ug/Kg
000593-45-3	Octadecane	180	J			21.9	ug/Kg
000629-97-0	Docosane	280	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:	08/05/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	84SB-S	SDG No.:	Q2819
Lab Sample ID:	Q2819-10	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	92.3
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
BP025534.D	1	08/15/25 08:25	08/21/25 10:50	PB169259

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	32.3	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	31.9	140	180	ug/Kg
65794-96-9	3+4-Methylphenols	290	U	44.4	290	360	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	86.5	U	51.2	86.5	86.5	ug/Kg
67-72-1	Hexachloroethane	140	U	19.0	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	62.9	140	180	ug/Kg
105-67-9	2,4-Dimethylphenol	140	U	70.0	140	180	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	140	U	33.3	140	180	ug/Kg
120-83-2	2,4-Dichlorophenol	140	U	30.6	140	180	ug/Kg
91-20-3	Naphthalene	140	U	24.5	140	180	ug/Kg
106-47-8	4-Chloroaniline	140	U	38.3	140	180	ug/Kg
87-68-3	Hexachlorobutadiene	140	U	27.3	140	180	ug/Kg
105-60-2	Caprolactam	290	U	56.3	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	27.7	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	24.3	140	180	ug/Kg
88-74-4	2-Nitroaniline	140	U	52.0	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:	08/05/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	84SB-S	SDG No.:	Q2819
Lab Sample ID:	Q2819-10	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	92.3
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
BP025534.D	1	08/15/25 08:25	08/21/25 10:50	PB169259

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	49.7	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	54.2	140	180	ug/Kg
84-66-2	Diethylphthalate	160	J	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	27.3	140	180	ug/Kg
100-01-6	4-Nitroaniline	140	U	69.4	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	30.0	140	180	ug/Kg
118-74-1	Hexachlorobenzene	140	U	27.3	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	73.0	J	22.6	140	180	ug/Kg
120-12-7	Anthracene	140	U	36.0	140	180	ug/Kg
86-74-8	Carbazole	140	U	33.7	140	180	ug/Kg
84-74-2	Di-n-butylphthalate	95.7	J	51.8	140	180	ug/Kg
206-44-0	Fluoranthene	160	J	32.4	140	180	ug/Kg
129-00-0	Pyrene	150	J	38.9	140	180	ug/Kg
85-68-7	Butylbenzylphthalate	140	U	77.2	140	180	ug/Kg
91-94-1	3,3-Dichlorobenzidine	290	U	39.7	290	360	ug/Kg
56-55-3	Benzo(a)anthracene	81.2	J	24.9	140	180	ug/Kg
218-01-9	Chrysene	100	J	21.5	140	180	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	140	U	64.0	140	180	ug/Kg
117-84-0	Di-n-octyl phthalate	290	U	93.8	290	360	ug/Kg
205-99-2	Benzo(b)fluoranthene	130	J	20.5	140	180	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/05/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	84SB-S	SDG No.:	Q2819
Lab Sample ID:	Q2819-10	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	92.3
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
BP025534.D	1	08/15/25 08:25	08/21/25 10:50	PB169259

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	88.2	J	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	29.6	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	29.6	140	180	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	53.7		35 - 115		36%	SPK: 150
13127-88-3	Phenol-d6	53.3		34 - 127		36%	SPK: 150
4165-60-0	Nitrobenzene-d5	35.9	*	37 - 122		36%	SPK: 100
321-60-8	2-Fluorobiphenyl	34.1	*	44 - 115		34%	SPK: 100
118-79-6	2,4,6-Tribromophenol	51.2	*	39 - 132		34%	SPK: 150
1718-51-0	Terphenyl-d14	31.4	*	54 - 127		31%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	186000	7.784
1146-65-2	Naphthalene-d8	731000	10.549
15067-26-2	Acenaphthene-d10	449000	14.395
1517-22-2	Phenanthrene-d10	879000	17.201
1719-03-5	Chrysene-d12	948000	21.648
1520-96-3	Perylene-d12	1100000	25.012

TENTATIVE IDENTIFIED COMPOUNDS

000994-05-8	Butane, 2-methoxy-2-methyl-	790	J		3.04	ug/Kg
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	120	AB		4.94	ug/Kg
000119-61-9	Benzophenone	290	J		15.8	ug/Kg
000057-11-4	Octadecanoic acid	400	J		15.8	ug/Kg
082304-66-3	7,9-Di-tert-butyl-1-oxaspiro(4,5)d	97.3	J		17.9	ug/Kg
000057-10-3	n-Hexadecanoic acid	1400	J		18.1	ug/Kg
001002-84-2	Pentadecanoic acid	540	J		19.5	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/05/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	84SB-S	SDG No.:	Q2819
Lab Sample ID:	Q2819-10	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	92.3
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
BP025534.D	1	08/15/25 08:25	08/21/25 10:50	PB169259

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
1000377-93-5	Phthalic acid, di(2-propylpentyl)	150	J			20.2	ug/Kg
077899-03-7	1-Heneicosyl formate	120	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:	08/05/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	84SB-SRE	SDG No.:	Q2819
Lab Sample ID:	Q2819-10RE	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	92.3
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
BF143530.D	1	08/15/25 08:25	08/21/25 15:11	PB169259

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	32.3	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	31.9	140	180	ug/Kg
65794-96-9	3+4-Methylphenols	290	U	44.4	290	360	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	86.5	U	51.2	86.5	86.5	ug/Kg
67-72-1	Hexachloroethane	140	U	19.0	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	62.9	140	180	ug/Kg
105-67-9	2,4-Dimethylphenol	140	U	70.0	140	180	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	140	U	33.3	140	180	ug/Kg
120-83-2	2,4-Dichlorophenol	140	U	30.6	140	180	ug/Kg
91-20-3	Naphthalene	140	U	24.5	140	180	ug/Kg
106-47-8	4-Chloroaniline	140	U	38.3	140	180	ug/Kg
87-68-3	Hexachlorobutadiene	140	U	27.3	140	180	ug/Kg
105-60-2	Caprolactam	290	U	56.3	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	27.7	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	24.3	140	180	ug/Kg
88-74-4	2-Nitroaniline	140	U	52.0	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:	08/05/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	84SB-SRE	SDG No.:	Q2819
Lab Sample ID:	Q2819-10RE	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	92.3
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
BF143530.D	1	08/15/25 08:25	08/21/25 15:11	PB169259

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	49.7	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	54.2	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	27.3	140	180	ug/Kg
100-01-6	4-Nitroaniline	140	U	69.4	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	30.0	140	180	ug/Kg
118-74-1	Hexachlorobenzene	140	U	27.3	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	36.0	140	180	ug/Kg
86-74-8	Carbazole	140	U	33.7	140	180	ug/Kg
84-74-2	Di-n-butylphthalate	140	U	51.8	140	180	ug/Kg
206-44-0	Fluoranthene	160	J	32.4	140	180	ug/Kg
129-00-0	Pyrene	120	J	38.9	140	180	ug/Kg
85-68-7	Butylbenzylphthalate	140	U	77.2	140	180	ug/Kg
91-94-1	3,3-Dichlorobenzidine	290	U	39.7	290	360	ug/Kg
56-55-3	Benzo(a)anthracene	80.6	J	24.9	140	180	ug/Kg
218-01-9	Chrysene	100	J	21.5	140	180	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	140	U	64.0	140	180	ug/Kg
117-84-0	Di-n-octyl phthalate	290	U	93.8	290	360	ug/Kg
205-99-2	Benzo(b)fluoranthene	130	J	20.5	140	180	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/05/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	84SB-SRE	SDG No.:	Q2819
Lab Sample ID:	Q2819-10RE	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	92.3
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
BF143530.D	1	08/15/25 08:25	08/21/25 15:11	PB169259

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	90.9	J	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	29.6	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	29.6	140	180	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	55.5		35 - 115		37%	SPK: 150
13127-88-3	Phenol-d6	55.3		34 - 127		37%	SPK: 150
4165-60-0	Nitrobenzene-d5	40.9		37 - 122		41%	SPK: 100
321-60-8	2-Fluorobiphenyl	42.6	*	44 - 115		43%	SPK: 100
118-79-6	2,4,6-Tribromophenol	47.5	*	39 - 132		32%	SPK: 150
1718-51-0	Terphenyl-d14	33.0	*	54 - 127		33%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	128000	6.928
1146-65-2	Naphthalene-d8	481000	8.204
15067-26-2	Acenaphthene-d10	248000	9.963
1517-22-2	Phenanthrene-d10	333000	11.451
1719-03-5	Chrysene-d12	240000	14.092
1520-96-3	Perylene-d12	297000	15.592

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:	08/05/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	84SB-W	SDG No.:	Q2819
Lab Sample ID:	Q2819-11	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	86.8
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
BF143531.D	1	08/15/25 08:25	08/21/25 15:40	PB169259

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	28.0	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	21.1	150	200	ug/Kg
78-59-1	Isophorone	150	U	37.7	150	200	ug/Kg
88-75-5	2-Nitrophenol	150	U	67.0	150	200	ug/Kg
105-67-9	2,4-Dimethylphenol	150	U	74.6	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	32.6	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	29.5	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:	08/05/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	84SB-W	SDG No.:	Q2819
Lab Sample ID:	Q2819-11	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	86.8
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
BF143531.D	1	08/15/25 08:25	08/21/25 15:40	PB169259

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	150	U	33.3	150	200	ug/Kg
606-20-2	2,6-Dinitrotoluene	150	U	38.7	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	32.6	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	73.9	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	37.9	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	J	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	200		34.5	150	200	ug/Kg
129-00-0	Pyrene	130	J	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	90.8	J	26.5	150	200	ug/Kg
218-01-9	Chrysene	85.6	J	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	99.9	310	380	ug/Kg
205-99-2	Benzo(b)fluoranthene	92.6	J	21.9	150	200	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/05/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	84SB-W	SDG No.:	Q2819
Lab Sample ID:	Q2819-11	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	86.8
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
BF143531.D	1	08/15/25 08:25	08/21/25 15:40	PB169259

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	29.6	150	200	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	150	U	29.5	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	69.0		35 - 115		46%	SPK: 150
13127-88-3	Phenol-d6	70.0		34 - 127		47%	SPK: 150
4165-60-0	Nitrobenzene-d5	50.9		37 - 122		51%	SPK: 100
321-60-8	2-Fluorobiphenyl	51.2		44 - 115		51%	SPK: 100
118-79-6	2,4,6-Tribromophenol	62.6		39 - 132		42%	SPK: 150
1718-51-0	Terphenyl-d14	37.3	*	54 - 127		37%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	122000	6.922
1146-65-2	Naphthalene-d8	463000	8.204
15067-26-2	Acenaphthene-d10	234000	9.963
1517-22-2	Phenanthrene-d10	318000	11.451
1719-03-5	Chrysene-d12	230000	14.092
1520-96-3	Perylene-d12	283000	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-	200	AB		5.16	ug/Kg
000119-61-9	Benzophenone	230	J		10.7	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/05/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	84SB-W	SDG No.:	Q2819
Lab Sample ID:	Q2819-11	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	86.8
Sample Wt/Vol:	30.04	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
BF143531.D	1	08/15/25 08:25	08/21/25 15:40	PB169259

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:	08/05/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	17M-S	SDG No.:	Q2819
Lab Sample ID:	Q2819-12	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	93.4
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
BP025536.D	1	08/15/25 08:25	08/21/25 12:12	PB169259

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
100-52-7	Benzaldehyde	290	U	170	290	350	ug/Kg
108-95-2	Phenol	140	U	23.7	140	180	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	140	U	26.0	140	180	ug/Kg
95-57-8	2-Chlorophenol	140	U	26.1	140	180	ug/Kg
95-48-7	2-Methylphenol	140	U	32.0	140	180	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	140	U	40.1	140	180	ug/Kg
98-86-2	Acetophenone	140	U	31.6	140	180	ug/Kg
65794-96-9	3+4-Methylphenols	290	U	44.0	290	350	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	85.6	U	50.7	85.6	85.6	ug/Kg
67-72-1	Hexachloroethane	140	U	18.8	140	180	ug/Kg
98-95-3	Nitrobenzene	140	U	19.6	140	180	ug/Kg
78-59-1	Isophorone	140	U	35.1	140	180	ug/Kg
88-75-5	2-Nitrophenol	140	U	62.3	140	180	ug/Kg
105-67-9	2,4-Dimethylphenol	140	U	69.4	140	180	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	140	U	33.0	140	180	ug/Kg
120-83-2	2,4-Dichlorophenol	140	U	30.3	140	180	ug/Kg
91-20-3	Naphthalene	140	U	24.3	140	180	ug/Kg
106-47-8	4-Chloroaniline	140	U	37.9	140	180	ug/Kg
87-68-3	Hexachlorobutadiene	140	U	27.1	140	180	ug/Kg
105-60-2	Caprolactam	290	U	55.8	290	350	ug/Kg
59-50-7	4-Chloro-3-methylphenol	140	U	30.7	140	180	ug/Kg
91-57-6	2-Methylnaphthalene	140	U	27.4	140	180	ug/Kg
77-47-4	Hexachlorocyclopentadiene	290	U	120	290	350	ug/Kg
88-06-2	2,4,6-Trichlorophenol	140	U	21.2	140	180	ug/Kg
95-95-4	2,4,5-Trichlorophenol	140	U	31.1	140	180	ug/Kg
92-52-4	1,1-Biphenyl	140	U	23.3	140	180	ug/Kg
91-58-7	2-Chloronaphthalene	140	U	24.1	140	180	ug/Kg
88-74-4	2-Nitroaniline	140	U	51.5	140	180	ug/Kg
131-11-3	Dimethylphthalate	140	U	29.0	140	180	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/05/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	17M-S	SDG No.:	Q2819
Lab Sample ID:	Q2819-12	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	93.4
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
BP025536.D	1	08/15/25 08:25	08/21/25 12:12	PB169259

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	140	U	30.9	140	180	ug/Kg
606-20-2	2,6-Dinitrotoluene	140	U	36.0	140	180	ug/Kg
99-09-2	3-Nitroaniline	140	U	49.2	140	180	ug/Kg
83-32-9	Acenaphthene	140	U	22.8	140	180	ug/Kg
51-28-5	2,4-Dinitrophenol	290	U	250	290	350	ug/Kg
100-02-7	4-Nitrophenol	290	U	110	290	350	ug/Kg
132-64-9	Dibenzofuran	140	U	24.3	140	180	ug/Kg
121-14-2	2,4-Dinitrotoluene	140	U	53.6	140	180	ug/Kg
84-66-2	Diethylphthalate	140	U	30.3	140	180	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	140	U	28.6	140	180	ug/Kg
86-73-7	Fluorene	140	U	27.1	140	180	ug/Kg
100-01-6	4-Nitroaniline	140	U	68.7	140	180	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	290	U	110	290	350	ug/Kg
86-30-6	n-Nitrosodiphenylamine	140	U	35.2	140	180	ug/Kg
101-55-3	4-Bromophenyl-phenylether	140	U	29.8	140	180	ug/Kg
118-74-1	Hexachlorobenzene	140	U	27.1	140	180	ug/Kg
1912-24-9	Atrazine	140	U	36.4	140	180	ug/Kg
87-86-5	Pentachlorophenol	290	U	54.9	290	350	ug/Kg
85-01-8	Phenanthrene	72.1	J	22.4	140	180	ug/Kg
120-12-7	Anthracene	140	U	35.6	140	180	ug/Kg
86-74-8	Carbazole	140	U	33.4	140	180	ug/Kg
84-74-2	Di-n-butylphthalate	140	U	51.3	140	180	ug/Kg
206-44-0	Fluoranthene	130	J	32.1	140	180	ug/Kg
129-00-0	Pyrene	110	J	38.5	140	180	ug/Kg
85-68-7	Butylbenzylphthalate	140	U	76.4	140	180	ug/Kg
91-94-1	3,3-Dichlorobenzidine	290	U	39.3	290	350	ug/Kg
56-55-3	Benzo(a)anthracene	140	U	24.6	140	180	ug/Kg
218-01-9	Chrysene	140	U	21.3	140	180	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	140	U	63.4	140	180	ug/Kg
117-84-0	Di-n-octyl phthalate	290	U	92.9	290	350	ug/Kg
205-99-2	Benzo(b)fluoranthene	78.5	J	20.3	140	180	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/05/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	17M-S	SDG No.:	Q2819
Lab Sample ID:	Q2819-12	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	93.4
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
BP025536.D	1	08/15/25 08:25	08/21/25 12:12	PB169259

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	140	U	24.0	140	180	ug/Kg
50-32-8	Benzo(a)pyrene	140	U	31.6	140	180	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	140	U	31.1	140	180	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	140	U	29.3	140	180	ug/Kg
191-24-2	Benzo(g,h,i)perylene	140	U	27.5	140	180	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	140	U	27.4	140	180	ug/Kg
123-91-1	1,4-Dioxane	140	U	48.4	140	180	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	140	U	29.3	140	180	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	81.5		35 - 115		54%	SPK: 150
13127-88-3	Phenol-d6	82.0		34 - 127		55%	SPK: 150
4165-60-0	Nitrobenzene-d5	52.3		37 - 122		52%	SPK: 100
321-60-8	2-Fluorobiphenyl	50.8		44 - 115		51%	SPK: 100
118-79-6	2,4,6-Tribromophenol	82.6		39 - 132		55%	SPK: 150
1718-51-0	Terphenyl-d14	51.8	*	54 - 127		52%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	221000	7.784
1146-65-2	Naphthalene-d8	884000	10.549
15067-26-2	Acenaphthene-d10	566000	14.401
1517-22-2	Phenanthrene-d10	1130000	17.201
1719-03-5	Chrysene-d12	1110000	21.648
1520-96-3	Perylene-d12	1230000	25.018

TENTATIVE IDENTIFIED COMPOUNDS

000994-05-8	Butane, 2-methoxy-2-methyl-	730	J		3.04	ug/Kg
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	190	AB		4.94	ug/Kg
000119-61-9	Benzophenone	300	J		15.8	ug/Kg
000057-10-3	n-Hexadecanoic acid	310	J		18.1	ug/Kg
056641-38-4	1,6-Methano-1H-indene, 2,3,3a,4,5,	870	J		18.5	ug/Kg
001024-57-3	Heptachlor epoxide	73.5	J		19.2	ug/Kg
020020-02-4	Naphthalene, 1,2,3,4-tetrachloro-	77.8	J		19.3	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/05/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	17M-S	SDG No.:	Q2819
Lab Sample ID:	Q2819-12	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	93.4
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
BP025536.D	1	08/15/25 08:25	08/21/25 12:12	PB169259

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
000057-11-4	Octadecanoic acid	130	J			19.5	ug/Kg
005103-74-2	trans-Chlordane	280	J			19.6	ug/Kg
1010374-81-1	4-Methoxy-5-bromo-dimethylaminob	74.9	J			20.7	ug/Kg
015594-90-8	1-Heneicosanol	350	J			21.3	ug/Kg
018835-33-1	1-Hexacosene	290	J			22.6	ug/Kg
077899-10-6	(Z)-14-Tricosenyl formate	140	J			23.7	ug/Kg
000557-61-9	Octacosanol	300	J			24.2	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:	08/05/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	17M-E	SDG No.:	Q2819
Lab Sample ID:	Q2819-13	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	83.7
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
BF143537.D	1	08/15/25 08:25	08/21/25 18:34	PB169259

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	29.0	160	200	ug/Kg
95-57-8	2-Chlorophenol	160	U	29.1	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	44.7	160	200	ug/Kg
98-86-2	Acetophenone	160	U	35.2	160	200	ug/Kg
65794-96-9	3+4-Methylphenols	320	U	49.0	320	390	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	95.4	U	56.5	95.4	95.4	ug/Kg
67-72-1	Hexachloroethane	160	U	21.0	160	200	ug/Kg
98-95-3	Nitrobenzene	160	U	21.8	160	200	ug/Kg
78-59-1	Isophorone	160	U	39.1	160	200	ug/Kg
88-75-5	2-Nitrophenol	160	U	69.4	160	200	ug/Kg
105-67-9	2,4-Dimethylphenol	160	U	77.3	160	200	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	160	U	36.7	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	42.2	160	200	ug/Kg
87-68-3	Hexachlorobutadiene	160	U	30.2	160	200	ug/Kg
105-60-2	Caprolactam	320	U	62.1	320	390	ug/Kg
59-50-7	4-Chloro-3-methylphenol	160	U	34.2	160	200	ug/Kg
91-57-6	2-Methylnaphthalene	160	U	30.5	160	200	ug/Kg
77-47-4	Hexachlorocyclopentadiene	320	U	140	320	390	ug/Kg
88-06-2	2,4,6-Trichlorophenol	160	U	23.6	160	200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	160	U	34.7	160	200	ug/Kg
92-52-4	1,1-Biphenyl	160	U	26.0	160	200	ug/Kg
91-58-7	2-Chloronaphthalene	160	U	26.8	160	200	ug/Kg
88-74-4	2-Nitroaniline	160	U	57.4	160	200	ug/Kg
131-11-3	Dimethylphthalate	160	U	32.3	160	200	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/05/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	17M-E	SDG No.:	Q2819
Lab Sample ID:	Q2819-13	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	83.7
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
BF143537.D	1	08/15/25 08:25	08/21/25 18:34	PB169259

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	160	U	34.5	160	200	ug/Kg
606-20-2	2,6-Dinitrotoluene	160	U	40.1	160	200	ug/Kg
99-09-2	3-Nitroaniline	160	U	54.9	160	200	ug/Kg
83-32-9	Acenaphthene	160	U	25.4	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	59.8	160	200	ug/Kg
84-66-2	Diethylphthalate	160	U	33.8	160	200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	160	U	31.8	160	200	ug/Kg
86-73-7	Fluorene	160	U	30.2	160	200	ug/Kg
100-01-6	4-Nitroaniline	160	U	76.6	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	39.2	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	40.6	160	200	ug/Kg
87-86-5	Pentachlorophenol	320	U	61.2	320	390	ug/Kg
85-01-8	Phenanthrene	160	U	24.9	160	200	ug/Kg
120-12-7	Anthracene	160	U	39.7	160	200	ug/Kg
86-74-8	Carbazole	160	U	37.2	160	200	ug/Kg
84-74-2	Di-n-butylphthalate	160	U	57.1	160	200	ug/Kg
206-44-0	Fluoranthene	160	U	35.8	160	200	ug/Kg
129-00-0	Pyrene	160	U	42.9	160	200	ug/Kg
85-68-7	Butylbenzylphthalate	160	U	85.2	160	200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	320	U	43.8	320	390	ug/Kg
56-55-3	Benzo(a)anthracene	160	U	27.4	160	200	ug/Kg
218-01-9	Chrysene	160	U	23.7	160	200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	160	U	70.6	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:	08/05/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	17M-E	SDG No.:	Q2819
Lab Sample ID:	Q2819-13	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	83.7
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
BF143537.D	1	08/15/25 08:25	08/21/25 18:34	PB169259

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	160	U	26.7	160	200	ug/Kg
50-32-8	Benzo(a)pyrene	160	U	35.2	160	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	160	U	34.7	160	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	160	U	32.7	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	30.5	160	200	ug/Kg
123-91-1	1,4-Dioxane	160	U	53.9	160	200	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	160	U	32.7	160	200	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	78.2		35 - 115		52%	SPK: 150
13127-88-3	Phenol-d6	80.0		34 - 127		53%	SPK: 150
4165-60-0	Nitrobenzene-d5	58.1		37 - 122		58%	SPK: 100
321-60-8	2-Fluorobiphenyl	57.8		44 - 115		58%	SPK: 100
118-79-6	2,4,6-Tribromophenol	72.9		39 - 132		49%	SPK: 150
1718-51-0	Terphenyl-d14	40.4	*	54 - 127		40%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	110000	6.928
1146-65-2	Naphthalene-d8	414000	8.204
15067-26-2	Acenaphthene-d10	209000	9.963
1517-22-2	Phenanthrene-d10	282000	11.451
1719-03-5	Chrysene-d12	212000	14.092
1520-96-3	Perylene-d12	252000	15.592

TENTATIVE IDENTIFIED COMPOUNDS

000994-05-8	Butane, 2-methoxy-2-methyl-	1000	J		2.26	ug/Kg
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	230	AB		5.16	ug/Kg
000119-61-9	Benzophenone	280	J		10.7	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/05/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	17M-E	SDG No.:	Q2819
Lab Sample ID:	Q2819-13	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	83.7
Sample Wt/Vol:	30.05	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
BF143537.D	1	08/15/25 08:25	08/21/25 18:34	PB169259

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:	08/05/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	17M-W	SDG No.:	Q2819
Lab Sample ID:	Q2819-14	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	85.6
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
BF143505.D	1	08/15/25 08:25	08/21/25 01:27	PB169259

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	25.7	150	200	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	150	U	28.3	150	200	ug/Kg
95-57-8	2-Chlorophenol	150	U	28.4	150	200	ug/Kg
95-48-7	2-Methylphenol	150	U	34.8	150	200	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	150	U	43.7	150	200	ug/Kg
98-86-2	Acetophenone	150	U	34.4	150	200	ug/Kg
65794-96-9	3+4-Methylphenols	310	U	47.9	310	380	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	93.2	U	55.2	93.2	93.2	ug/Kg
67-72-1	Hexachloroethane	150	U	20.5	150	200	ug/Kg
98-95-3	Nitrobenzene	150	U	21.3	150	200	ug/Kg
78-59-1	Isophorone	150	U	38.2	150	200	ug/Kg
88-75-5	2-Nitrophenol	150	U	67.8	150	200	ug/Kg
105-67-9	2,4-Dimethylphenol	150	U	75.5	150	200	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	150	U	35.9	150	200	ug/Kg
120-83-2	2,4-Dichlorophenol	150	U	33.0	150	200	ug/Kg
91-20-3	Naphthalene	150	U	26.4	150	200	ug/Kg
106-47-8	4-Chloroaniline	150	U	41.2	150	200	ug/Kg
87-68-3	Hexachlorobutadiene	150	U	29.5	150	200	ug/Kg
105-60-2	Caprolactam	310	U	60.7	310	380	ug/Kg
59-50-7	4-Chloro-3-methylphenol	150	U	33.4	150	200	ug/Kg
91-57-6	2-Methylnaphthalene	150	U	29.8	150	200	ug/Kg
77-47-4	Hexachlorocyclopentadiene	310	U	140	310	380	ug/Kg
88-06-2	2,4,6-Trichlorophenol	150	U	23.1	150	200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	150	U	33.9	150	200	ug/Kg
92-52-4	1,1-Biphenyl	150	U	25.4	150	200	ug/Kg
91-58-7	2-Chloronaphthalene	150	U	26.2	150	200	ug/Kg
88-74-4	2-Nitroaniline	150	U	56.0	150	200	ug/Kg
131-11-3	Dimethylphthalate	150	U	31.6	150	200	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/05/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	17M-W	SDG No.:	Q2819
Lab Sample ID:	Q2819-14	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	85.6
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
BF143505.D	1	08/15/25 08:25	08/21/25 01:27	PB169259

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	150	U	33.7	150	200	ug/Kg
606-20-2	2,6-Dinitrotoluene	150	U	39.1	150	200	ug/Kg
99-09-2	3-Nitroaniline	150	U	53.6	150	200	ug/Kg
83-32-9	Acenaphthene	150	U	24.8	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	26.4	150	200	ug/Kg
121-14-2	2,4-Dinitrotoluene	150	U	58.4	150	200	ug/Kg
84-66-2	Diethylphthalate	150	U	33.0	150	200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	150	U	31.1	150	200	ug/Kg
86-73-7	Fluorene	150	U	29.5	150	200	ug/Kg
100-01-6	4-Nitroaniline	150	U	74.8	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	38.3	150	200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	150	U	32.4	150	200	ug/Kg
118-74-1	Hexachlorobenzene	150	U	29.5	150	200	ug/Kg
1912-24-9	Atrazine	150	U	39.6	150	200	ug/Kg
87-86-5	Pentachlorophenol	310	U	59.8	310	380	ug/Kg
85-01-8	Phenanthrene	150	U	24.4	150	200	ug/Kg
120-12-7	Anthracene	150	U	38.8	150	200	ug/Kg
86-74-8	Carbazole	150	U	36.4	150	200	ug/Kg
84-74-2	Di-n-butylphthalate	150	U	55.8	150	200	ug/Kg
206-44-0	Fluoranthene	150	U	35.0	150	200	ug/Kg
129-00-0	Pyrene	150	U	41.9	150	200	ug/Kg
85-68-7	Butylbenzylphthalate	150	U	83.2	150	200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	310	U	42.8	310	380	ug/Kg
56-55-3	Benzo(a)anthracene	150	U	26.8	150	200	ug/Kg
218-01-9	Chrysene	150	U	23.2	150	200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	150	U	69.0	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	22.1	150	200	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/05/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	17M-W	SDG No.:	Q2819
Lab Sample ID:	Q2819-14	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	85.6
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
BF143505.D	1	08/15/25 08:25	08/21/25 01:27	PB169259

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	150	U	26.1	150	200	ug/Kg
50-32-8	Benzo(a)pyrene	150	U	34.4	150	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	150	U	33.9	150	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	150	U	31.9	150	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	150	U	29.9	150	200	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	150	U	29.8	150	200	ug/Kg
123-91-1	1,4-Dioxane	150	U	52.7	150	200	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	150	U	31.9	150	200	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	77.1		35 - 115		51%	SPK: 150
13127-88-3	Phenol-d6	79.5		34 - 127		53%	SPK: 150
4165-60-0	Nitrobenzene-d5	56.4		37 - 122		56%	SPK: 100
321-60-8	2-Fluorobiphenyl	54.4		44 - 115		54%	SPK: 100
118-79-6	2,4,6-Tribromophenol	79.8		39 - 132		53%	SPK: 150
1718-51-0	Terphenyl-d14	50.9	*	54 - 127		51%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	142000	6.928
1146-65-2	Naphthalene-d8	527000	8.204
15067-26-2	Acenaphthene-d10	286000	9.963
1517-22-2	Phenanthrene-d10	446000	11.451
1719-03-5	Chrysene-d12	240000	14.092
1520-96-3	Perylene-d12	276000	15.592

TENTATIVE IDENTIFIED COMPOUNDS

000994-05-8	Butane, 2-methoxy-2-methyl-	930	J		2.27	ug/Kg
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	220	AB		5.16	ug/Kg
000119-61-9	Benzophenone	300	J		10.7	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/05/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	17M-W	SDG No.:	Q2819
Lab Sample ID:	Q2819-14	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	85.6
Sample Wt/Vol:	30.08	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
BF143505.D	1	08/15/25 08:25	08/21/25 01:27	PB169259

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:	08/05/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	17M-N	SDG No.:	Q2819
Lab Sample ID:	Q2819-15	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	83.3
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
BF143506.D	1	08/15/25 08:25	08/21/25 01:56	PB169259

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
100-52-7	Benzaldehyde	320	U	190	320	400	ug/Kg
108-95-2	Phenol	160	U	26.5	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	35.8	160	200	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	160	U	44.9	160	200	ug/Kg
98-86-2	Acetophenone	160	U	35.3	160	200	ug/Kg
65794-96-9	3+4-Methylphenols	320	U	49.2	320	400	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	95.8	U	56.8	95.8	95.8	ug/Kg
67-72-1	Hexachloroethane	160	U	21.1	160	200	ug/Kg
98-95-3	Nitrobenzene	160	U	21.9	160	200	ug/Kg
78-59-1	Isophorone	160	U	39.3	160	200	ug/Kg
88-75-5	2-Nitrophenol	160	U	69.7	160	200	ug/Kg
105-67-9	2,4-Dimethylphenol	160	U	77.6	160	200	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	160	U	36.9	160	200	ug/Kg
120-83-2	2,4-Dichlorophenol	160	U	33.9	160	200	ug/Kg
91-20-3	Naphthalene	160	U	27.2	160	200	ug/Kg
106-47-8	4-Chloroaniline	160	U	42.4	160	200	ug/Kg
87-68-3	Hexachlorobutadiene	160	U	30.3	160	200	ug/Kg
105-60-2	Caprolactam	320	U	62.4	320	400	ug/Kg
59-50-7	4-Chloro-3-methylphenol	160	U	34.4	160	200	ug/Kg
91-57-6	2-Methylnaphthalene	160	U	30.7	160	200	ug/Kg
77-47-4	Hexachlorocyclopentadiene	320	U	140	320	400	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	34.9	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	27.0	160	200	ug/Kg
88-74-4	2-Nitroaniline	160	U	57.6	160	200	ug/Kg
131-11-3	Dimethylphthalate	160	U	32.5	160	200	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/05/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	17M-N	SDG No.:	Q2819
Lab Sample ID:	Q2819-15	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	83.3
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
BF143506.D	1	08/15/25 08:25	08/21/25 01:56	PB169259

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	40.3	160	200	ug/Kg
99-09-2	3-Nitroaniline	160	U	55.1	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	400	ug/Kg
100-02-7	4-Nitrophenol	320	U	130	320	400	ug/Kg
132-64-9	Dibenzofuran	160	U	27.2	160	200	ug/Kg
121-14-2	2,4-Dinitrotoluene	160	U	60.0	160	200	ug/Kg
84-66-2	Diethylphthalate	160	U	33.9	160	200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	160	U	32.0	160	200	ug/Kg
86-73-7	Fluorene	160	U	30.3	160	200	ug/Kg
100-01-6	4-Nitroaniline	160	U	76.9	160	200	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	320	U	120	320	400	ug/Kg
86-30-6	n-Nitrosodiphenylamine	160	U	39.4	160	200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	160	U	33.3	160	200	ug/Kg
118-74-1	Hexachlorobenzene	160	U	30.3	160	200	ug/Kg
1912-24-9	Atrazine	160	U	40.7	160	200	ug/Kg
87-86-5	Pentachlorophenol	320	U	61.5	320	400	ug/Kg
85-01-8	Phenanthrene	160	U	25.0	160	200	ug/Kg
120-12-7	Anthracene	160	U	39.9	160	200	ug/Kg
86-74-8	Carbazole	160	U	37.4	160	200	ug/Kg
84-74-2	Di-n-butylphthalate	160	U	57.4	160	200	ug/Kg
206-44-0	Fluoranthene	160	U	35.9	160	200	ug/Kg
129-00-0	Pyrene	160	U	43.1	160	200	ug/Kg
85-68-7	Butylbenzylphthalate	160	U	85.5	160	200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	320	U	44.0	320	400	ug/Kg
56-55-3	Benzo(a)anthracene	160	U	27.6	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	70.9	160	200	ug/Kg
117-84-0	Di-n-octyl phthalate	320	U	100	320	400	ug/Kg
205-99-2	Benzo(b)fluoranthene	160	U	22.8	160	200	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/05/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	17M-N	SDG No.:	Q2819
Lab Sample ID:	Q2819-15	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	83.3
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
BF143506.D	1	08/15/25 08:25	08/21/25 01:56	PB169259

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	34.9	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	30.8	160	200	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	160	U	30.7	160	200	ug/Kg
123-91-1	1,4-Dioxane	160	U	54.2	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	77.2		35 - 115		51%	SPK: 150
13127-88-3	Phenol-d6	80.3		34 - 127		54%	SPK: 150
4165-60-0	Nitrobenzene-d5	57.1		37 - 122		57%	SPK: 100
321-60-8	2-Fluorobiphenyl	51.1		44 - 115		51%	SPK: 100
118-79-6	2,4,6-Tribromophenol	76.3		39 - 132		51%	SPK: 150
1718-51-0	Terphenyl-d14	47.3	*	54 - 127		47%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	140000	6.928
1146-65-2	Naphthalene-d8	529000	8.204
15067-26-2	Acenaphthene-d10	291000	9.963
1517-22-2	Phenanthrene-d10	438000	11.451
1719-03-5	Chrysene-d12	244000	14.098
1520-96-3	Perylene-d12	299000	15.592

TENTATIVE IDENTIFIED COMPOUNDS

000994-05-8	Butane, 2-methoxy-2-methyl-	1100	J		2.27	ug/Kg
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	230	AB		5.16	ug/Kg
000119-61-9	Benzophenone	300	J		10.7	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/05/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	17M-N	SDG No.:	Q2819
Lab Sample ID:	Q2819-15	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	83.3
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
BF143506.D	1	08/15/25 08:25	08/21/25 01:56	PB169259

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:	38M-S	SDG No.:	Q2819
Lab Sample ID:	Q2819-16	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	92.4
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
BP025540.D	2	08/15/25 08:25	08/21/25 14:56	PB169259

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
100-52-7	Benzaldehyde	580	U	340	580	710	ug/Kg
108-95-2	Phenol	280	U	47.8	280	370	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	280	U	52.6	280	370	ug/Kg
95-57-8	2-Chlorophenol	280	U	52.8	280	370	ug/Kg
95-48-7	2-Methylphenol	280	U	64.7	280	370	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	280	U	81.1	280	370	ug/Kg
98-86-2	Acetophenone	280	U	63.8	280	370	ug/Kg
65794-96-9	3+4-Methylphenols	580	U	88.9	580	710	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	170	U	100	170	170	ug/Kg
67-72-1	Hexachloroethane	280	U	38.1	280	370	ug/Kg
98-95-3	Nitrobenzene	280	U	39.6	280	370	ug/Kg
78-59-1	Isophorone	280	U	70.9	280	370	ug/Kg
88-75-5	2-Nitrophenol	280	U	130	280	370	ug/Kg
105-67-9	2,4-Dimethylphenol	280	U	140	280	370	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	280	U	66.6	280	370	ug/Kg
120-83-2	2,4-Dichlorophenol	280	U	61.2	280	370	ug/Kg
91-20-3	Naphthalene	280	U	49.1	280	370	ug/Kg
106-47-8	4-Chloroaniline	280	U	76.6	280	370	ug/Kg
87-68-3	Hexachlorobutadiene	280	U	54.7	280	370	ug/Kg
105-60-2	Caprolactam	580	U	110	580	710	ug/Kg
59-50-7	4-Chloro-3-methylphenol	280	U	62.1	280	370	ug/Kg
91-57-6	2-Methylnaphthalene	280	U	55.4	280	370	ug/Kg
77-47-4	Hexachlorocyclopentadiene	580	U	250	580	710	ug/Kg
88-06-2	2,4,6-Trichlorophenol	280	U	42.8	280	370	ug/Kg
95-95-4	2,4,5-Trichlorophenol	280	U	62.9	280	370	ug/Kg
92-52-4	1,1-Biphenyl	280	U	47.2	280	370	ug/Kg
91-58-7	2-Chloronaphthalene	280	U	48.7	280	370	ug/Kg
88-74-4	2-Nitroaniline	280	U	100	280	370	ug/Kg
131-11-3	Dimethylphthalate	280	U	58.6	280	370	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:	38M-S	SDG No.:	Q2819
Lab Sample ID:	Q2819-16	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	92.4
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
BP025540.D	2	08/15/25 08:25	08/21/25 14:56	PB169259

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	280	U	62.5	280	370	ug/Kg
606-20-2	2,6-Dinitrotoluene	280	U	72.7	280	370	ug/Kg
99-09-2	3-Nitroaniline	280	U	99.5	280	370	ug/Kg
83-32-9	Acenaphthene	280	U	46.1	280	370	ug/Kg
51-28-5	2,4-Dinitrophenol	580	U	500	580	710	ug/Kg
100-02-7	4-Nitrophenol	580	U	230	580	710	ug/Kg
132-64-9	Dibenzofuran	280	U	49.1	280	370	ug/Kg
121-14-2	2,4-Dinitrotoluene	280	U	110	280	370	ug/Kg
84-66-2	Diethylphthalate	280	U	61.2	280	370	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	280	U	57.8	280	370	ug/Kg
86-73-7	Fluorene	280	U	54.7	280	370	ug/Kg
100-01-6	4-Nitroaniline	280	U	140	280	370	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	580	U	220	580	710	ug/Kg
86-30-6	n-Nitrosodiphenylamine	280	U	71.2	280	370	ug/Kg
101-55-3	4-Bromophenyl-phenylether	280	U	60.1	280	370	ug/Kg
118-74-1	Hexachlorobenzene	280	U	54.7	280	370	ug/Kg
1912-24-9	Atrazine	280	U	73.5	280	370	ug/Kg
87-86-5	Pentachlorophenol	580	U	110	580	710	ug/Kg
85-01-8	Phenanthrene	280	U	45.2	280	370	ug/Kg
120-12-7	Anthracene	280	U	72.0	280	370	ug/Kg
86-74-8	Carbazole	280	U	67.5	280	370	ug/Kg
84-74-2	Di-n-butylphthalate	280	U	100	280	370	ug/Kg
206-44-0	Fluoranthene	280	U	64.9	280	370	ug/Kg
129-00-0	Pyrene	280	U	77.9	280	370	ug/Kg
85-68-7	Butylbenzylphthalate	280	U	150	280	370	ug/Kg
91-94-1	3,3-Dichlorobenzidine	580	U	79.4	580	710	ug/Kg
56-55-3	Benzo(a)anthracene	280	U	49.8	280	370	ug/Kg
218-01-9	Chrysene	280	U	43.0	280	370	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	280	U	130	280	370	ug/Kg
117-84-0	Di-n-octyl phthalate	580	U	190	580	710	ug/Kg
205-99-2	Benzo(b)fluoranthene	280	U	41.1	280	370	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:	38M-S	SDG No.:	Q2819
Lab Sample ID:	Q2819-16	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	92.4
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
BP025540.D	2	08/15/25 08:25	08/21/25 14:56	PB169259

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	280	U	48.5	280	370	ug/Kg
50-32-8	Benzo(a)pyrene	280	U	63.8	280	370	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	280	U	62.9	280	370	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	280	U	59.3	280	370	ug/Kg
191-24-2	Benzo(g,h,i)perylene	280	U	55.6	280	370	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	280	U	55.4	280	370	ug/Kg
123-91-1	1,4-Dioxane	280	U	97.8	280	370	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	280	U	59.3	280	370	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	90.9		35 - 115		61%	SPK: 150
13127-88-3	Phenol-d6	91.8		34 - 127		61%	SPK: 150
4165-60-0	Nitrobenzene-d5	59.4		37 - 122		59%	SPK: 100
321-60-8	2-Fluorobiphenyl	60.1		44 - 115		60%	SPK: 100
118-79-6	2,4,6-Tribromophenol	87.3		39 - 132		58%	SPK: 150
1718-51-0	Terphenyl-d14	56.6		54 - 127		57%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	225000	7.784
1146-65-2	Naphthalene-d8	871000	10.554
15067-26-2	Acenaphthene-d10	495000	14.413
1517-22-2	Phenanthrene-d10	919000	17.207
1719-03-5	Chrysene-d12	943000	21.653
1520-96-3	Perylene-d12	1080000	25.03

TENTATIVE IDENTIFIED COMPOUNDS

000994-05-8	Butane, 2-methoxy-2-methyl-	680	J		3.04	ug/Kg
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	200	AB		4.94	ug/Kg
000143-24-8	Tetraglyme	210	J		14.5	ug/Kg
000119-61-9	Benzophenone	330	J		15.8	ug/Kg
1000366-88-2	Methyl 2-(2-(2-methoxyethoxy)ethox	560	J		16.9	ug/Kg
000057-10-3	n-Hexadecanoic acid	470	J		18.1	ug/Kg
016142-03-3	2-(2-(2-(2-(2-Methoxyethoxy)eth	450	J		18.9	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:	38M-S	SDG No.:	Q2819
Lab Sample ID:	Q2819-16	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	92.4
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
BP025540.D	2	08/15/25 08:25	08/21/25 14:56	PB169259

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
000057-11-4	Octadecanoic acid	260	J			19.5	ug/Kg
1000151-22-6	Cyclodocosane, ethyl-	250	J			21.3	ug/Kg
005393-19-1	Phthalic acid, monoethyl ester	160	J			21.6	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:	08/06/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	38M-N	SDG No.:	Q2819
Lab Sample ID:	Q2819-17	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	87.5
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
BP025519.D	1	08/15/25 08:25	08/20/25 23:13	PB169259

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	25.2	150	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	150	U	27.7	150	190	ug/Kg
95-57-8	2-Chlorophenol	150	U	27.8	150	190	ug/Kg
95-48-7	2-Methylphenol	150	U	34.1	150	190	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	150	U	42.7	150	190	ug/Kg
98-86-2	Acetophenone	150	U	33.6	150	190	ug/Kg
65794-96-9	3+4-Methylphenols	310	U	46.8	310	380	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	91.2	U	54.0	91.2	91.2	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	37.4	150	190	ug/Kg
88-75-5	2-Nitrophenol	150	U	66.3	150	190	ug/Kg
105-67-9	2,4-Dimethylphenol	150	U	73.8	150	190	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	150	U	35.1	150	190	ug/Kg
120-83-2	2,4-Dichlorophenol	150	U	32.2	150	190	ug/Kg
91-20-3	Naphthalene	150	U	25.9	150	190	ug/Kg
106-47-8	4-Chloroaniline	150	U	40.3	150	190	ug/Kg
87-68-3	Hexachlorobutadiene	150	U	28.8	150	190	ug/Kg
105-60-2	Caprolactam	310	U	59.4	310	380	ug/Kg
59-50-7	4-Chloro-3-methylphenol	150	U	32.7	150	190	ug/Kg
91-57-6	2-Methylnaphthalene	150	U	29.2	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	33.2	150	190	ug/Kg
92-52-4	1,1-Biphenyl	150	U	24.8	150	190	ug/Kg
91-58-7	2-Chloronaphthalene	150	U	25.6	150	190	ug/Kg
88-74-4	2-Nitroaniline	150	U	54.8	150	190	ug/Kg
131-11-3	Dimethylphthalate	150	U	30.9	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:	38M-N	SDG No.:	Q2819
Lab Sample ID:	Q2819-17	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	87.5
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
BP025519.D	1	08/15/25 08:25	08/20/25 23:13	PB169259

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	150	U	32.9	150	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	150	U	38.3	150	190	ug/Kg
99-09-2	3-Nitroaniline	150	U	52.4	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	57.1	150	190	ug/Kg
84-66-2	Diethylphthalate	150	U	32.2	150	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	150	U	30.4	150	190	ug/Kg
86-73-7	Fluorene	150	U	28.8	150	190	ug/Kg
100-01-6	4-Nitroaniline	150	U	73.2	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	37.5	150	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	150	U	31.7	150	190	ug/Kg
118-74-1	Hexachlorobenzene	150	U	28.8	150	190	ug/Kg
1912-24-9	Atrazine	150	U	38.7	150	190	ug/Kg
87-86-5	Pentachlorophenol	310	U	58.5	310	380	ug/Kg
85-01-8	Phenanthrene	150	U	23.8	150	190	ug/Kg
120-12-7	Anthracene	150	U	37.9	150	190	ug/Kg
86-74-8	Carbazole	150	U	35.6	150	190	ug/Kg
84-74-2	Di-n-butylphthalate	150	U	54.6	150	190	ug/Kg
206-44-0	Fluoranthene	150	U	34.2	150	190	ug/Kg
129-00-0	Pyrene	150	U	41.0	150	190	ug/Kg
85-68-7	Butylbenzylphthalate	150	U	81.4	150	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	310	U	41.8	310	380	ug/Kg
56-55-3	Benzo(a)anthracene	150	U	26.2	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	67.5	150	190	ug/Kg
117-84-0	Di-n-octyl phthalate	310	U	98.9	310	380	ug/Kg
205-99-2	Benzo(b)fluoranthene	150	U	21.6	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:	38M-N	SDG No.:	Q2819
Lab Sample ID:	Q2819-17	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	87.5
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
BP025519.D	1	08/15/25 08:25	08/20/25 23:13	PB169259

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	150	U	25.5	150	190	ug/Kg
50-32-8	Benzo(a)pyrene	150	U	33.6	150	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	150	U	33.2	150	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	150	U	31.2	150	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	150	U	29.3	150	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	150	U	29.2	150	190	ug/Kg
123-91-1	1,4-Dioxane	150	U	51.5	150	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	150	U	31.2	150	190	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	110		35 - 115		73%	SPK: 150
13127-88-3	Phenol-d6	108		34 - 127		72%	SPK: 150
4165-60-0	Nitrobenzene-d5	71.1		37 - 122		71%	SPK: 100
321-60-8	2-Fluorobiphenyl	60.9		44 - 115		61%	SPK: 100
118-79-6	2,4,6-Tribromophenol	103		39 - 132		69%	SPK: 150
1718-51-0	Terphenyl-d14	62.6		54 - 127		63%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	198000	7.784
1146-65-2	Naphthalene-d8	775000	10.555
15067-26-2	Acenaphthene-d10	494000	14.401
1517-22-2	Phenanthrene-d10	941000	17.201
1719-03-5	Chrysene-d12	881000	21.636
1520-96-3	Perylene-d12	996000	25.001

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-	270	AB		4.95	ug/Kg
000119-61-9	Benzophenone	320	J		15.8	ug/Kg
000057-10-3	n-Hexadecanoic acid	160	J		18.1	ug/Kg
018835-33-1	1-Hexacosene	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:	38M-N	SDG No.:	Q2819
Lab Sample ID:	Q2819-17	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	87.5
Sample Wt/Vol:	30.09	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
BP025519.D	1	08/15/25 08:25	08/20/25 23:13	PB169259

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:	38M-W	SDG No.:	Q2819
Lab Sample ID:	Q2819-18	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	86.3
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
BF143507.D	1	08/15/25 08:25	08/21/25 02:25	PB169259

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	25.5	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	43.3	150	200	ug/Kg
98-86-2	Acetophenone	150	U	34.1	150	200	ug/Kg
65794-96-9	3+4-Methylphenols	310	U	47.5	310	380	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	92.5	U	54.8	92.5	92.5	ug/Kg
67-72-1	Hexachloroethane	150	U	20.3	150	200	ug/Kg
98-95-3	Nitrobenzene	150	U	21.1	150	200	ug/Kg
78-59-1	Isophorone	150	U	37.9	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	74.9	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	26.2	150	200	ug/Kg
106-47-8	4-Chloroaniline	150	U	40.9	150	200	ug/Kg
87-68-3	Hexachlorobutadiene	150	U	29.2	150	200	ug/Kg
105-60-2	Caprolactam	310	U	60.2	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	33.6	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	55.6	150	200	ug/Kg
131-11-3	Dimethylphthalate	150	U	31.3	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:	38M-W	SDG No.:	Q2819
Lab Sample ID:	Q2819-18	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	86.3
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
BF143507.D	1	08/15/25 08:25	08/21/25 02:25	PB169259

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	38.8	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	260	310	380	ug/Kg
100-02-7	4-Nitrophenol	310	U	120	310	380	ug/Kg
132-64-9	Dibenzofuran	150	U	26.2	150	200	ug/Kg
121-14-2	2,4-Dinitrotoluene	150	U	57.9	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	29.2	150	200	ug/Kg
100-01-6	4-Nitroaniline	150	U	74.2	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	38.0	150	200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	150	U	32.1	150	200	ug/Kg
118-74-1	Hexachlorobenzene	150	U	29.2	150	200	ug/Kg
1912-24-9	Atrazine	150	U	39.3	150	200	ug/Kg
87-86-5	Pentachlorophenol	310	U	59.3	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	41.6	150	200	ug/Kg
85-68-7	Butylbenzylphthalate	150	U	82.5	150	200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	310	U	42.4	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	68.4	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:	08/06/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	38M-W	SDG No.:	Q2819
Lab Sample ID:	Q2819-18	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	86.3
Sample Wt/Vol:	30.08	Units:	g
Soil Aliquot Vol:			uL
Extraction Type :		Decanted :	N
Injection Volume :		GPC Factor :	1.0
Prep Method :	SW3541	Level :	LOW
		Test:	SVOC-TCL BNA -20
		Final Vol:	1000 uL
		GPC Cleanup :	N
		PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143507.D	1	08/15/25 08:25	08/21/25 02:25	PB169259

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	33.6	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	52.2	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	89.5		35 - 115		60%	SPK: 150
13127-88-3	Phenol-d6	90.6		34 - 127		60%	SPK: 150
4165-60-0	Nitrobenzene-d5	64.4		37 - 122		64%	SPK: 100
321-60-8	2-Fluorobiphenyl	64.8		44 - 115		65%	SPK: 100
118-79-6	2,4,6-Tribromophenol	88.8		39 - 132		59%	SPK: 150
1718-51-0	Terphenyl-d14	65.7		54 - 127		66%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	133000	6.928
1146-65-2	Naphthalene-d8	502000	8.204
15067-26-2	Acenaphthene-d10	274000	9.963
1517-22-2	Phenanthrene-d10	412000	11.451
1719-03-5	Chrysene-d12	227000	14.092
1520-96-3	Perylene-d12	277000	15.592

TENTATIVE IDENTIFIED COMPOUNDS

000994-05-8	Butane, 2-methoxy-2-methyl-	1100	J		2.26	ug/Kg
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	270	AB		5.16	ug/Kg
000119-61-9	Benzophenone	280	J		10.7	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:	38M-W	SDG No.:	Q2819
Lab Sample ID:	Q2819-18	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	86.3
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
BF143507.D	1	08/15/25 08:25	08/21/25 02:25	PB169259

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:	38M-E	SDG No.:	Q2819
Lab Sample ID:	Q2819-19	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	87.8
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
BF143508.D	1	08/15/25 08:25	08/21/25 02:54	PB169259

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	25.1	150	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	150	U	27.6	150	190	ug/Kg
95-57-8	2-Chlorophenol	150	U	27.7	150	190	ug/Kg
95-48-7	2-Methylphenol	150	U	34.0	150	190	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	150	U	42.6	150	190	ug/Kg
98-86-2	Acetophenone	150	U	33.5	150	190	ug/Kg
65794-96-9	3+4-Methylphenols	310	U	46.7	310	380	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	90.9	U	53.9	90.9	90.9	ug/Kg
67-72-1	Hexachloroethane	150	U	20.0	150	190	ug/Kg
98-95-3	Nitrobenzene	150	U	20.8	150	190	ug/Kg
78-59-1	Isophorone	150	U	37.3	150	190	ug/Kg
88-75-5	2-Nitrophenol	150	U	66.2	150	190	ug/Kg
105-67-9	2,4-Dimethylphenol	150	U	73.7	150	190	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	150	U	35.0	150	190	ug/Kg
120-83-2	2,4-Dichlorophenol	150	U	32.2	150	190	ug/Kg
91-20-3	Naphthalene	150	U	25.8	150	190	ug/Kg
106-47-8	4-Chloroaniline	150	U	40.2	150	190	ug/Kg
87-68-3	Hexachlorobutadiene	150	U	28.8	150	190	ug/Kg
105-60-2	Caprolactam	310	U	59.2	310	380	ug/Kg
59-50-7	4-Chloro-3-methylphenol	150	U	32.6	150	190	ug/Kg
91-57-6	2-Methylnaphthalene	150	U	29.1	150	190	ug/Kg
77-47-4	Hexachlorocyclopentadiene	310	U	130	310	380	ug/Kg
88-06-2	2,4,6-Trichlorophenol	150	U	22.5	150	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	150	U	33.1	150	190	ug/Kg
92-52-4	1,1-Biphenyl	150	U	24.8	150	190	ug/Kg
91-58-7	2-Chloronaphthalene	150	U	25.6	150	190	ug/Kg
88-74-4	2-Nitroaniline	150	U	54.7	150	190	ug/Kg
131-11-3	Dimethylphthalate	150	U	30.8	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:	38M-E	SDG No.:	Q2819
Lab Sample ID:	Q2819-19	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	87.8
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
BF143508.D	1	08/15/25 08:25	08/21/25 02:54	PB169259

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	150	U	32.9	150	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	150	U	38.2	150	190	ug/Kg
99-09-2	3-Nitroaniline	150	U	52.3	150	190	ug/Kg
83-32-9	Acenaphthene	150	U	24.2	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	25.8	150	190	ug/Kg
121-14-2	2,4-Dinitrotoluene	150	U	56.9	150	190	ug/Kg
84-66-2	Diethylphthalate	150	U	32.2	150	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	150	U	30.3	150	190	ug/Kg
86-73-7	Fluorene	150	U	28.8	150	190	ug/Kg
100-01-6	4-Nitroaniline	150	U	73.0	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	37.4	150	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	150	U	31.6	150	190	ug/Kg
118-74-1	Hexachlorobenzene	150	U	28.8	150	190	ug/Kg
1912-24-9	Atrazine	150	U	38.6	150	190	ug/Kg
87-86-5	Pentachlorophenol	310	U	58.3	310	380	ug/Kg
85-01-8	Phenanthrene	150	U	23.8	150	190	ug/Kg
120-12-7	Anthracene	150	U	37.9	150	190	ug/Kg
86-74-8	Carbazole	150	U	35.5	150	190	ug/Kg
84-74-2	Di-n-butylphthalate	150	U	54.4	150	190	ug/Kg
206-44-0	Fluoranthene	150	U	34.1	150	190	ug/Kg
129-00-0	Pyrene	150	U	40.9	150	190	ug/Kg
85-68-7	Butylbenzylphthalate	150	U	81.2	150	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	310	U	41.7	310	380	ug/Kg
56-55-3	Benzo(a)anthracene	150	U	26.1	150	190	ug/Kg
218-01-9	Chrysene	150	U	22.6	150	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	150	U	67.3	150	190	ug/Kg
117-84-0	Di-n-octyl phthalate	310	U	98.7	310	380	ug/Kg
205-99-2	Benzo(b)fluoranthene	150	U	21.6	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:	38M-E	SDG No.:	Q2819
Lab Sample ID:	Q2819-19	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	87.8
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
BF143508.D	1	08/15/25 08:25	08/21/25 02:54	PB169259

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	150	U	25.5	150	190	ug/Kg
50-32-8	Benzo(a)pyrene	150	U	33.5	150	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	150	U	33.1	150	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	150	U	31.1	150	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	150	U	29.2	150	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	150	U	29.1	150	190	ug/Kg
123-91-1	1,4-Dioxane	150	U	51.4	150	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	150	U	31.1	150	190	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	79.5		35 - 115		53%	SPK: 150
13127-88-3	Phenol-d6	85.1		34 - 127		57%	SPK: 150
4165-60-0	Nitrobenzene-d5	57.0		37 - 122		57%	SPK: 100
321-60-8	2-Fluorobiphenyl	57.6		44 - 115		58%	SPK: 100
118-79-6	2,4,6-Tribromophenol	87.2		39 - 132		58%	SPK: 150
1718-51-0	Terphenyl-d14	60.2		54 - 127		60%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	134000	6.928
1146-65-2	Naphthalene-d8	514000	8.204
15067-26-2	Acenaphthene-d10	272000	9.963
1517-22-2	Phenanthrene-d10	412000	11.451
1719-03-5	Chrysene-d12	230000	14.092
1520-96-3	Perylene-d12	280000	15.592

TENTATIVE IDENTIFIED COMPOUNDS

000994-05-8	Butane, 2-methoxy-2-methyl-	990	J		2.26	ug/Kg
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	240	AB		5.16	ug/Kg
000119-61-9	Benzophenone	240	J		10.7	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:	38M-E	SDG No.:	Q2819
Lab Sample ID:	Q2819-19	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	87.8
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
BF143508.D	1	08/15/25 08:25	08/21/25 02:54	PB169259

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-E	SDG No.:	Q2819
Lab Sample ID:	Q2819-20	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	77.2
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
BF143504.D	1	08/15/25 08:25	08/21/25 00:58	PB169259

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	28.6	170	220	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	170	U	31.5	170	220	ug/Kg
95-57-8	2-Chlorophenol	170	U	31.6	170	220	ug/Kg
95-48-7	2-Methylphenol	170	U	38.7	170	220	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	170	U	48.5	170	220	ug/Kg
98-86-2	Acetophenone	170	U	38.2	170	220	ug/Kg
65794-96-9	3+4-Methylphenols	350	U	53.2	350	430	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	100	U	61.4	100	100	ug/Kg
67-72-1	Hexachloroethane	170	U	22.8	170	220	ug/Kg
98-95-3	Nitrobenzene	170	U	23.7	170	220	ug/Kg
78-59-1	Isophorone	170	U	42.5	170	220	ug/Kg
88-75-5	2-Nitrophenol	170	U	75.3	170	220	ug/Kg
105-67-9	2,4-Dimethylphenol	170	U	83.9	170	220	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	170	U	39.9	170	220	ug/Kg
120-83-2	2,4-Dichlorophenol	170	U	36.6	170	220	ug/Kg
91-20-3	Naphthalene	170	U	29.4	170	220	ug/Kg
106-47-8	4-Chloroaniline	170	U	45.8	170	220	ug/Kg
87-68-3	Hexachlorobutadiene	170	U	32.8	170	220	ug/Kg
105-60-2	Caprolactam	350	U	67.4	350	430	ug/Kg
59-50-7	4-Chloro-3-methylphenol	170	U	37.2	170	220	ug/Kg
91-57-6	2-Methylnaphthalene	170	U	33.1	170	220	ug/Kg
77-47-4	Hexachlorocyclopentadiene	350	U	150	350	430	ug/Kg
88-06-2	2,4,6-Trichlorophenol	170	U	25.6	170	220	ug/Kg
95-95-4	2,4,5-Trichlorophenol	170	U	37.7	170	220	ug/Kg
92-52-4	1,1-Biphenyl	170	U	28.2	170	220	ug/Kg
91-58-7	2-Chloronaphthalene	170	U	29.1	170	220	ug/Kg
88-74-4	2-Nitroaniline	170	U	62.3	170	220	ug/Kg
131-11-3	Dimethylphthalate	170	U	35.1	170	220	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-E	SDG No.:	Q2819
Lab Sample ID:	Q2819-20	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	77.2
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
BF143504.D	1	08/15/25 08:25	08/21/25 00:58	PB169259

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	170	U	37.4	170	220	ug/Kg
606-20-2	2,6-Dinitrotoluene	170	U	43.5	170	220	ug/Kg
99-09-2	3-Nitroaniline	170	U	59.5	170	220	ug/Kg
83-32-9	Acenaphthene	170	U	27.6	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	29.4	170	220	ug/Kg
121-14-2	2,4-Dinitrotoluene	170	U	64.9	170	220	ug/Kg
84-66-2	Diethylphthalate	170	U	36.6	170	220	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	170	U	34.6	170	220	ug/Kg
86-73-7	Fluorene	170	U	32.8	170	220	ug/Kg
100-01-6	4-Nitroaniline	170	U	83.1	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	42.6	170	220	ug/Kg
101-55-3	4-Bromophenyl-phenylether	170	U	36.0	170	220	ug/Kg
118-74-1	Hexachlorobenzene	170	U	32.8	170	220	ug/Kg
1912-24-9	Atrazine	170	U	44.0	170	220	ug/Kg
87-86-5	Pentachlorophenol	350	U	66.4	350	430	ug/Kg
85-01-8	Phenanthrene	170	U	27.1	170	220	ug/Kg
120-12-7	Anthracene	170	U	43.1	170	220	ug/Kg
86-74-8	Carbazole	170	U	40.4	170	220	ug/Kg
84-74-2	Di-n-butylphthalate	170	U	62.0	170	220	ug/Kg
206-44-0	Fluoranthene	170	U	38.8	170	220	ug/Kg
129-00-0	Pyrene	170	U	46.6	170	220	ug/Kg
85-68-7	Butylbenzylphthalate	170	U	92.4	170	220	ug/Kg
91-94-1	3,3-Dichlorobenzidine	350	U	47.5	350	430	ug/Kg
56-55-3	Benzo(a)anthracene	170	U	29.8	170	220	ug/Kg
218-01-9	Chrysene	170	U	25.8	170	220	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	170	U	76.6	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	24.6	170	220	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-E	SDG No.:	Q2819
Lab Sample ID:	Q2819-20	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	77.2
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
BF143504.D	1	08/15/25 08:25	08/21/25 00:58	PB169259

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	170	U	29.0	170	220	ug/Kg
50-32-8	Benzo(a)pyrene	170	U	38.2	170	220	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	170	U	37.7	170	220	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	170	U	35.5	170	220	ug/Kg
191-24-2	Benzo(g,h,i)perylene	170	U	33.3	170	220	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	170	U	33.1	170	220	ug/Kg
123-91-1	1,4-Dioxane	170	U	58.5	170	220	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	170	U	35.5	170	220	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	90.2		35 - 115		60%	SPK: 150
13127-88-3	Phenol-d6	92.1		34 - 127		61%	SPK: 150
4165-60-0	Nitrobenzene-d5	65.3		37 - 122		65%	SPK: 100
321-60-8	2-Fluorobiphenyl	62.4		44 - 115		62%	SPK: 100
118-79-6	2,4,6-Tribromophenol	90.6		39 - 132		60%	SPK: 150
1718-51-0	Terphenyl-d14	58.6		54 - 127		59%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	132000	6.928
1146-65-2	Naphthalene-d8	508000	8.204
15067-26-2	Acenaphthene-d10	271000	9.963
1517-22-2	Phenanthrene-d10	403000	11.451
1719-03-5	Chrysene-d12	245000	14.092
1520-96-3	Perylene-d12	294000	15.592

TENTATIVE IDENTIFIED COMPOUNDS

000994-05-8	Butane, 2-methoxy-2-methyl-	1200	J		2.26	ug/Kg
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	300	AB		5.16	ug/Kg
000119-61-9	Benzophenone	320	J		10.7	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-E	SDG No.:	Q2819
Lab Sample ID:	Q2819-20	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	77.2
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
BF143504.D	1	08/15/25 08:25	08/21/25 00:58	PB169259

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

LAB CHRONICLE

OrderID:	Q2819	OrderDate:	8/11/2025 12:06:00 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
Q2819-01	22BP-N	SOIL	SVOC-TCL BNA -20	8270E	08/04/25	08/14/25	08/21/25	08/08/25
Q2819-02	22BP-E	SOIL	SVOC-TCL BNA -20	8270E	08/04/25	08/14/25	08/21/25	08/08/25
Q2819-03	22BP-W	SOIL	SVOC-TCL BNA -20	8270E	08/04/25	08/14/25	08/20/25	08/08/25
Q2819-04	22BP-S	SOIL	SVOC-TCL BNA -20	8270E	08/04/25	08/14/25	08/21/25	08/08/25
Q2819-04RE	22BP-SRE	SOIL	SVOC-TCL BNA -20	8270E	08/04/25	08/14/25	08/21/25	08/08/25
Q2819-05	11M-W	SOIL	SVOC-TCL BNA -20	8270E	08/05/25	08/14/25	08/20/25	08/08/25
Q2819-06	11M-S	SOIL	SVOC-TCL BNA -20	8270E	08/05/25	08/14/25	08/21/25	08/08/25
Q2819-07	11M-N	SOIL	SVOC-TCL BNA -20	8270E	08/05/25	08/14/25	08/21/25	08/08/25
Q2819-08	11M-E	SOIL	SVOC-TCL BNA -20	8270E	08/05/25	08/14/25	08/21/25	08/08/25
Q2819-09	84SB-E	SOIL	SVOC-TCL BNA -20	8270E	08/05/25	08/14/25	08/20/25	08/08/25
Q2819-10	84SB-S	SOIL	SVOC-TCL BNA -20	8270E	08/05/25	08/15/25	08/21/25	08/08/25
Q2819-10RE	84SB-SRE	SOIL			08/05/25			08/08/25

LAB CHRONICLE

			SVOC-TCL BNA -20	8270E		08/15/25	08/21/25	
Q2819-11	84SB-W	SOIL			08/05/25			08/08/25
			SVOC-TCL BNA -20	8270E		08/15/25	08/21/25	
Q2819-12	17M-S	SOIL			08/05/25			08/08/25
			SVOC-TCL BNA -20	8270E		08/15/25	08/21/25	
Q2819-13	17M-E	SOIL			08/05/25			08/08/25
			SVOC-TCL BNA -20	8270E		08/15/25	08/21/25	
Q2819-14	17M-W	SOIL			08/05/25			08/08/25
			SVOC-TCL BNA -20	8270E		08/15/25	08/21/25	
Q2819-15	17M-N	SOIL			08/05/25			08/08/25
			SVOC-TCL BNA -20	8270E		08/15/25	08/21/25	
Q2819-16	38M-S	SOIL			08/06/25			08/08/25
			SVOC-TCL BNA -20	8270E		08/15/25	08/21/25	
Q2819-17	38M-N	SOIL			08/06/25			08/08/25
			SVOC-TCL BNA -20	8270E		08/15/25	08/20/25	
Q2819-18	38M-W	SOIL			08/06/25			08/08/25
			SVOC-TCL BNA -20	8270E		08/15/25	08/21/25	
Q2819-19	38M-E	SOIL			08/06/25			08/08/25
			SVOC-TCL BNA -20	8270E		08/15/25	08/21/25	
Q2819-20	82H-E	SOIL			08/06/25			08/08/25
			SVOC-TCL BNA -20	8270E		08/15/25	08/21/25	