

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:	8260D	% Solid:	75.9
Sample Wt/Vol:	6.32 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY023069.D	1	08/13/25 14:55	VY081325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	4.20	U	1.20	4.20	5.20	ug/Kg
74-87-3	Chloromethane	2.60	U	1.20	2.60	5.20	ug/Kg
75-01-4	Vinyl Chloride	2.60	U	0.82	2.60	5.20	ug/Kg
74-83-9	Bromomethane	4.20	U	1.10	4.20	5.20	ug/Kg
75-00-3	Chloroethane	2.60	U	1.30	2.60	5.20	ug/Kg
75-69-4	Trichlorofluoromethane	4.20	U	1.30	4.20	5.20	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	2.60	U	1.10	2.60	5.20	ug/Kg
75-35-4	1,1-Dichloroethene	2.60	U	1.00	2.60	5.20	ug/Kg
67-64-1	Acetone	51.1		4.90	20.8	26.1	ug/Kg
75-15-0	Carbon Disulfide	1.60	J	1.10	4.20	5.20	ug/Kg
1634-04-4	Methyl tert-butyl Ether	2.60	U	0.76	2.60	5.20	ug/Kg
79-20-9	Methyl Acetate	4.20	U	1.60	4.20	5.20	ug/Kg
75-09-2	Methylene Chloride	8.30	U	3.70	8.30	10.4	ug/Kg
156-60-5	trans-1,2-Dichloroethene	2.60	U	0.90	2.60	5.20	ug/Kg
75-34-3	1,1-Dichloroethane	2.60	U	0.83	2.60	5.20	ug/Kg
110-82-7	Cyclohexane	2.60	U	0.82	2.60	5.20	ug/Kg
78-93-3	2-Butanone	13.1	J	6.80	20.8	26.1	ug/Kg
56-23-5	Carbon Tetrachloride	2.60	U	1.00	2.60	5.20	ug/Kg
156-59-2	cis-1,2-Dichloroethene	2.60	U	0.78	2.60	5.20	ug/Kg
74-97-5	Bromochloromethane	4.20	U	1.20	4.20	5.20	ug/Kg
67-66-3	Chloroform	4.20	U	0.88	4.20	5.20	ug/Kg
71-55-6	1,1,1-Trichloroethane	2.60	U	0.97	2.60	5.20	ug/Kg
108-87-2	Methylcyclohexane	2.60	U	0.95	2.60	5.20	ug/Kg
71-43-2	Benzene	2.60	U	0.82	2.60	5.20	ug/Kg
107-06-2	1,2-Dichloroethane	2.60	U	0.82	2.60	5.20	ug/Kg
79-01-6	Trichloroethene	2.60	U	0.84	2.60	5.20	ug/Kg
78-87-5	1,2-Dichloropropane	2.60	U	0.95	2.60	5.20	ug/Kg
75-27-4	Bromodichloromethane	2.60	U	0.81	2.60	5.20	ug/Kg
108-10-1	4-Methyl-2-Pentanone	13.0	U	3.70	13.0	26.1	ug/Kg
108-88-3	Toluene	6.30		0.81	2.60	5.20	ug/Kg

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10061-02-6	t-1,3-Dichloropropene	2.60	U	0.68	2.60	5.20	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	2.60	U	0.65	2.60	5.20	ug/Kg
79-00-5	1,1,2-Trichloroethane	2.60	U	0.96	2.60	5.20	ug/Kg
591-78-6	2-Hexanone	13.0	U	3.80	13.0	26.1	ug/Kg
124-48-1	Dibromochloromethane	2.60	U	0.91	2.60	5.20	ug/Kg
106-93-4	1,2-Dibromoethane	2.60	U	0.92	2.60	5.20	ug/Kg
127-18-4	Tetrachloroethene	2.60	U	1.10	2.60	5.20	ug/Kg
108-90-7	Chlorobenzene	2.60	U	0.95	2.60	5.20	ug/Kg
100-41-4	Ethyl Benzene	54.8		0.70	2.60	5.20	ug/Kg
179601-23-1	m/p-Xylenes	190		1.30	5.20	10.4	ug/Kg
95-47-6	o-Xylene	85.7		0.85	2.60	5.20	ug/Kg
100-42-5	Styrene	2.60	U	0.74	2.60	5.20	ug/Kg
75-25-2	Bromoform	2.60	U	0.90	2.60	5.20	ug/Kg
98-82-8	Isopropylbenzene	89.9		0.81	2.60	5.20	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	2.60	U	1.30	2.60	5.20	ug/Kg
541-73-1	1,3-Dichlorobenzene	2.60	U	1.80	2.60	5.20	ug/Kg
106-46-7	1,4-Dichlorobenzene	2.60	U	1.60	2.60	5.20	ug/Kg
95-50-1	1,2-Dichlorobenzene	2.60	U	1.50	2.60	5.20	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	4.20	U	1.90	4.20	5.20	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	4.20	U	3.10	4.20	5.20	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	4.20	U	3.30	4.20	5.20	ug/Kg

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	66.6	71 - 136	133%	SPK: 50
1868-53-7	Dibromofluoromethane	55.2	78 - 119	110%	SPK: 50
2037-26-5	Toluene-d8	51.4	85 - 116	103%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.4	79 - 119	101%	SPK: 50

INTERNAL STANDARDS

363-72-4	Pentafluorobenzene	499000	7.707
540-36-3	1,4-Difluorobenzene	998000	8.609
3114-55-4	Chlorobenzene-d5	877000	11.414
3855-82-1	1,4-Dichlorobenzene-d4	339000	13.34

TENTATIVE IDENTIFIED COMPOUNDS

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103-65-1	n-propylbenzene	11.2	J			12.6	ug/Kg
000620-14-4	Benzene, 1-ethyl-3-methyl-	220	J			12.7	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	150	J			12.7	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	410	J			13.0	ug/Kg
99-87-6	p-Isopropyltoluene	51.8	J			13.3	ug/Kg
000622-97-9	Benzene, 1-ethenyl-4-methyl-	3500	J			13.5	ug/Kg
104-51-8	n-Butylbenzene	2.40	J			13.6	ug/Kg
007525-62-4	Benzene, 1-ethenyl-3-ethyl-	130	J			14.0	ug/Kg
000104-55-2	2-Propenal, 3-phenyl-	380	J			14.3	ug/Kg
002039-89-6	Benzene, 2-ethenyl-1,4-dimethyl-	200	J			14.5	ug/Kg
003454-07-7	Benzene, 1-ethenyl-4-ethyl-	310	J			14.6	ug/Kg
000270-82-6	Benzo[c]thiophene	470	J			15.2	ug/Kg
000090-12-0	Naphthalene, 1-methyl-	2400	J			16.2	ug/Kg
002471-83-2	1H-Indene, 1-ethylidene-	1100	J			16.4	ug/Kg

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products