

Report of Analysis

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

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

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

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

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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