

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	518R-N	SDG No.:	Q2820
Lab Sample ID:	Q2820-06	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	77.4
Sample Wt/Vol:	3.48 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

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

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

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

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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