

Report of Analysis

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

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

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

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

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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