

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-W	SDG No.:	Q2820
Lab Sample ID:	Q2820-08	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	89
Sample Wt/Vol:	7.14 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
VW032091.D	1	08/14/25 14:16	VW081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	3.10	U	0.90	3.10	3.90	ug/Kg
74-87-3	Chloromethane	2.00	U	0.90	2.00	3.90	ug/Kg
75-01-4	Vinyl Chloride	2.00	U	0.62	2.00	3.90	ug/Kg
74-83-9	Bromomethane	3.10	U	0.84	3.10	3.90	ug/Kg
75-00-3	Chloroethane	2.00	U	0.99	2.00	3.90	ug/Kg
75-69-4	Trichlorofluoromethane	3.10	U	0.95	3.10	3.90	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	2.00	U	0.83	2.00	3.90	ug/Kg
75-35-4	1,1-Dichloroethene	2.00	U	0.79	2.00	3.90	ug/Kg
67-64-1	Acetone	33.9		3.70	15.7	19.7	ug/Kg
75-15-0	Carbon Disulfide	3.10	U	0.83	3.10	3.90	ug/Kg
1634-04-4	Methyl tert-butyl Ether	2.00	U	0.57	2.00	3.90	ug/Kg
79-20-9	Methyl Acetate	3.10	U	1.20	3.10	3.90	ug/Kg
75-09-2	Methylene Chloride	6.60	J	2.80	6.30	7.90	ug/Kg
156-60-5	trans-1,2-Dichloroethene	2.00	U	0.68	2.00	3.90	ug/Kg
75-34-3	1,1-Dichloroethane	2.00	U	0.63	2.00	3.90	ug/Kg
110-82-7	Cyclohexane	2.00	U	0.62	2.00	3.90	ug/Kg
78-93-3	2-Butanone	15.7	U	5.10	15.7	19.7	ug/Kg
56-23-5	Carbon Tetrachloride	2.00	U	0.76	2.00	3.90	ug/Kg
156-59-2	cis-1,2-Dichloroethene	2.00	U	0.59	2.00	3.90	ug/Kg
74-97-5	Bromochloromethane	3.10	U	0.90	3.10	3.90	ug/Kg
67-66-3	Chloroform	3.10	U	0.66	3.10	3.90	ug/Kg
71-55-6	1,1,1-Trichloroethane	2.00	U	0.73	2.00	3.90	ug/Kg
108-87-2	Methylcyclohexane	2.00	U	0.72	2.00	3.90	ug/Kg
71-43-2	Benzene	2.00	U	0.62	2.00	3.90	ug/Kg
107-06-2	1,2-Dichloroethane	2.00	U	0.62	2.00	3.90	ug/Kg
79-01-6	Trichloroethene	2.00	U	0.64	2.00	3.90	ug/Kg
78-87-5	1,2-Dichloropropane	2.00	U	0.72	2.00	3.90	ug/Kg
75-27-4	Bromodichloromethane	2.00	U	0.61	2.00	3.90	ug/Kg
108-10-1	4-Methyl-2-Pentanone	9.80	U	2.80	9.80	19.7	ug/Kg
108-88-3	Toluene	2.00	U	0.61	2.00	3.90	ug/Kg

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10061-02-6	t-1,3-Dichloropropene	2.00	U	0.51	2.00	3.90	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	2.00	U	0.49	2.00	3.90	ug/Kg
79-00-5	1,1,2-Trichloroethane	2.00	U	0.72	2.00	3.90	ug/Kg
591-78-6	2-Hexanone	9.80	U	2.90	9.80	19.7	ug/Kg
124-48-1	Dibromochloromethane	2.00	U	0.68	2.00	3.90	ug/Kg
106-93-4	1,2-Dibromoethane	2.00	U	0.69	2.00	3.90	ug/Kg
127-18-4	Tetrachloroethene	2.00	U	0.83	2.00	3.90	ug/Kg
108-90-7	Chlorobenzene	2.00	U	0.72	2.00	3.90	ug/Kg
100-41-4	Ethyl Benzene	2.00	U	0.53	2.00	3.90	ug/Kg
179601-23-1	m/p-Xylenes	3.90	U	0.98	3.90	7.90	ug/Kg
95-47-6	o-Xylene	2.00	U	0.65	2.00	3.90	ug/Kg
100-42-5	Styrene	2.00	U	0.56	2.00	3.90	ug/Kg
75-25-2	Bromoform	2.00	U	0.68	2.00	3.90	ug/Kg
98-82-8	Isopropylbenzene	2.00	U	0.61	2.00	3.90	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	2.00	U	0.95	2.00	3.90	ug/Kg
541-73-1	1,3-Dichlorobenzene	2.00	U	1.30	2.00	3.90	ug/Kg
106-46-7	1,4-Dichlorobenzene	2.00	U	1.20	2.00	3.90	ug/Kg
95-50-1	1,2-Dichlorobenzene	2.00	U	1.10	2.00	3.90	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3.10	U	1.40	3.10	3.90	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	3.10	U	2.30	3.10	3.90	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	3.10	U	2.50	3.10	3.90	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	59.0		71 - 136		118%	SPK: 50
1868-53-7	Dibromofluoromethane	59.4		78 - 119		119%	SPK: 50
2037-26-5	Toluene-d8	53.0		85 - 116		106%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.8		79 - 119		102%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	141000	7.959				
540-36-3	1,4-Difluorobenzene	276000	8.855				
3114-55-4	Chlorobenzene-d5	280000	11.635				
3855-82-1	1,4-Dichlorobenzene-d4	128000	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