

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-E	SDG No.:	Q2820
Lab Sample ID:	Q2820-05	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	48.8
Sample Wt/Vol:	4.93 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
VW032088.D	1	08/14/25 13:09	VW081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	8.30	U	2.40	8.30	10.4	ug/Kg
74-87-3	Chloromethane	5.20	U	2.40	5.20	10.4	ug/Kg
75-01-4	Vinyl Chloride	5.20	U	1.60	5.20	10.4	ug/Kg
74-83-9	Bromomethane	8.30	U	2.20	8.30	10.4	ug/Kg
75-00-3	Chloroethane	5.20	U	2.60	5.20	10.4	ug/Kg
75-69-4	Trichlorofluoromethane	8.30	U	2.50	8.30	10.4	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	5.20	U	2.20	5.20	10.4	ug/Kg
75-35-4	1,1-Dichloroethene	5.20	U	2.10	5.20	10.4	ug/Kg
67-64-1	Acetone	190		9.90	41.6	52.0	ug/Kg
75-15-0	Carbon Disulfide	8.30	U	2.20	8.30	10.4	ug/Kg
1634-04-4	Methyl tert-butyl Ether	5.20	U	1.50	5.20	10.4	ug/Kg
79-20-9	Methyl Acetate	8.30	U	3.20	8.30	10.4	ug/Kg
75-09-2	Methylene Chloride	11.0	J	7.30	16.6	20.8	ug/Kg
156-60-5	trans-1,2-Dichloroethene	5.20	U	1.80	5.20	10.4	ug/Kg
75-34-3	1,1-Dichloroethane	5.20	U	1.70	5.20	10.4	ug/Kg
110-82-7	Cyclohexane	5.20	U	1.60	5.20	10.4	ug/Kg
78-93-3	2-Butanone	36.3	J	13.6	41.6	52.0	ug/Kg
56-23-5	Carbon Tetrachloride	5.20	U	2.00	5.20	10.4	ug/Kg
156-59-2	cis-1,2-Dichloroethene	5.20	U	1.60	5.20	10.4	ug/Kg
74-97-5	Bromochloromethane	8.30	U	2.40	8.30	10.4	ug/Kg
67-66-3	Chloroform	8.30	U	1.70	8.30	10.4	ug/Kg
71-55-6	1,1,1-Trichloroethane	5.20	U	1.90	5.20	10.4	ug/Kg
108-87-2	Methylcyclohexane	5.20	U	1.90	5.20	10.4	ug/Kg
71-43-2	Benzene	5.20	U	1.60	5.20	10.4	ug/Kg
107-06-2	1,2-Dichloroethane	5.20	U	1.60	5.20	10.4	ug/Kg
79-01-6	Trichloroethene	5.20	U	1.70	5.20	10.4	ug/Kg
78-87-5	1,2-Dichloropropane	5.20	U	1.90	5.20	10.4	ug/Kg
75-27-4	Bromodichloromethane	5.20	U	1.60	5.20	10.4	ug/Kg
108-10-1	4-Methyl-2-Pentanone	26.0	U	7.40	26.0	52.0	ug/Kg
108-88-3	Toluene	5.20	U	1.60	5.20	10.4	ug/Kg

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10061-02-6	t-1,3-Dichloropropene	5.20	U	1.40	5.20	10.4	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	5.20	U	1.30	5.20	10.4	ug/Kg
79-00-5	1,1,2-Trichloroethane	5.20	U	1.90	5.20	10.4	ug/Kg
591-78-6	2-Hexanone	26.0	U	7.70	26.0	52.0	ug/Kg
124-48-1	Dibromochloromethane	5.20	U	1.80	5.20	10.4	ug/Kg
106-93-4	1,2-Dibromoethane	5.20	U	1.80	5.20	10.4	ug/Kg
127-18-4	Tetrachloroethene	5.20	U	2.20	5.20	10.4	ug/Kg
108-90-7	Chlorobenzene	5.20	U	1.90	5.20	10.4	ug/Kg
100-41-4	Ethyl Benzene	5.20	U	1.40	5.20	10.4	ug/Kg
179601-23-1	m/p-Xylenes	10.4	U	2.60	10.4	20.8	ug/Kg
95-47-6	o-Xylene	5.20	U	1.70	5.20	10.4	ug/Kg
100-42-5	Styrene	5.20	U	1.50	5.20	10.4	ug/Kg
75-25-2	Bromoform	5.20	U	1.80	5.20	10.4	ug/Kg
98-82-8	Isopropylbenzene	5.20	U	1.60	5.20	10.4	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	5.20	U	2.50	5.20	10.4	ug/Kg
541-73-1	1,3-Dichlorobenzene	5.20	U	3.60	5.20	10.4	ug/Kg
106-46-7	1,4-Dichlorobenzene	5.20	U	3.20	5.20	10.4	ug/Kg
95-50-1	1,2-Dichlorobenzene	5.20	U	3.00	5.20	10.4	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	8.30	U	3.80	8.30	10.4	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	8.30	U	6.20	8.30	10.4	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	8.30	U	6.60	8.30	10.4	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	59.5		71 - 136		119%	SPK: 50
1868-53-7	Dibromofluoromethane	56.2		78 - 119		112%	SPK: 50
2037-26-5	Toluene-d8	50.2		85 - 116		100%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.2		79 - 119		94%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	143000	7.965				
540-36-3	1,4-Difluorobenzene	288000	8.855				
3114-55-4	Chlorobenzene-d5	280000	11.629				
3855-82-1	1,4-Dichlorobenzene-d4	126000	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