

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	705R-S	SDG No.:	Q2820
Lab Sample ID:	Q2820-09	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	55.8
Sample Wt/Vol:	6.4 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
VW032092.D	1	08/14/25 14:39	VW081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	5.60	U	1.60	5.60	7.00	ug/Kg
74-87-3	Chloromethane	3.50	U	1.60	3.50	7.00	ug/Kg
75-01-4	Vinyl Chloride	3.50	U	1.10	3.50	7.00	ug/Kg
74-83-9	Bromomethane	5.60	U	1.50	5.60	7.00	ug/Kg
75-00-3	Chloroethane	3.50	U	1.80	3.50	7.00	ug/Kg
75-69-4	Trichlorofluoromethane	5.60	U	1.70	5.60	7.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	3.50	U	1.50	3.50	7.00	ug/Kg
75-35-4	1,1-Dichloroethene	3.50	U	1.40	3.50	7.00	ug/Kg
67-64-1	Acetone	30.8	J	6.60	28.0	35.0	ug/Kg
75-15-0	Carbon Disulfide	5.60	U	1.50	5.60	7.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	3.50	U	1.00	3.50	7.00	ug/Kg
79-20-9	Methyl Acetate	5.60	U	2.20	5.60	7.00	ug/Kg
75-09-2	Methylene Chloride	11.2	U	4.90	11.2	14.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	3.50	U	1.20	3.50	7.00	ug/Kg
75-34-3	1,1-Dichloroethane	3.50	U	1.10	3.50	7.00	ug/Kg
110-82-7	Cyclohexane	3.50	U	1.10	3.50	7.00	ug/Kg
78-93-3	2-Butanone	28.0	U	9.20	28.0	35.0	ug/Kg
56-23-5	Carbon Tetrachloride	3.50	U	1.40	3.50	7.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	3.50	U	1.10	3.50	7.00	ug/Kg
74-97-5	Bromochloromethane	5.60	U	1.60	5.60	7.00	ug/Kg
67-66-3	Chloroform	5.60	U	1.20	5.60	7.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	3.50	U	1.30	3.50	7.00	ug/Kg
108-87-2	Methylcyclohexane	3.50	U	1.30	3.50	7.00	ug/Kg
71-43-2	Benzene	3.50	U	1.10	3.50	7.00	ug/Kg
107-06-2	1,2-Dichloroethane	3.50	U	1.10	3.50	7.00	ug/Kg
79-01-6	Trichloroethene	3.50	U	1.10	3.50	7.00	ug/Kg
78-87-5	1,2-Dichloropropane	3.50	U	1.30	3.50	7.00	ug/Kg
75-27-4	Bromodichloromethane	3.50	U	1.10	3.50	7.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	17.5	U	5.00	17.5	35.0	ug/Kg
108-88-3	Toluene	3.50	U	1.10	3.50	7.00	ug/Kg

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10061-02-6	t-1,3-Dichloropropene	3.50	U	0.91	3.50	7.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	3.50	U	0.87	3.50	7.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	3.50	U	1.30	3.50	7.00	ug/Kg
591-78-6	2-Hexanone	17.5	U	5.20	17.5	35.0	ug/Kg
124-48-1	Dibromochloromethane	3.50	U	1.20	3.50	7.00	ug/Kg
106-93-4	1,2-Dibromoethane	3.50	U	1.20	3.50	7.00	ug/Kg
127-18-4	Tetrachloroethene	3.50	U	1.50	3.50	7.00	ug/Kg
108-90-7	Chlorobenzene	3.50	U	1.30	3.50	7.00	ug/Kg
100-41-4	Ethyl Benzene	3.50	U	0.94	3.50	7.00	ug/Kg
179601-23-1	m/p-Xylenes	7.00	U	1.70	7.00	14.0	ug/Kg
95-47-6	o-Xylene	3.50	U	1.10	3.50	7.00	ug/Kg
100-42-5	Styrene	3.50	U	0.99	3.50	7.00	ug/Kg
75-25-2	Bromoform	3.50	U	1.20	3.50	7.00	ug/Kg
98-82-8	Isopropylbenzene	3.50	U	1.10	3.50	7.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	3.50	U	1.70	3.50	7.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	3.50	U	2.40	3.50	7.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	3.50	U	2.20	3.50	7.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	3.50	U	2.00	3.50	7.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	5.60	U	2.60	5.60	7.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	5.60	U	4.20	5.60	7.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	5.60	U	4.50	5.60	7.00	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	65.6		71 - 136		131%	SPK: 50
1868-53-7	Dibromofluoromethane	55.3		78 - 119		111%	SPK: 50
2037-26-5	Toluene-d8	48.7		85 - 116		97%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.8		79 - 119		98%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	140000	7.959				
540-36-3	1,4-Difluorobenzene	293000	8.849				
3114-55-4	Chlorobenzene-d5	286000	11.635				
3855-82-1	1,4-Dichlorobenzene-d4	130000	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