

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/06/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	82H-W	SDG No.:	Q2820
Lab Sample ID:	Q2820-02	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	83.5
Sample Wt/Vol:	7.92 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
VW032085.D	1	08/14/25 12:02	VW081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	3.00	U	0.86	3.00	3.80	ug/Kg
74-87-3	Chloromethane	1.90	U	0.86	1.90	3.80	ug/Kg
75-01-4	Vinyl Chloride	1.90	U	0.60	1.90	3.80	ug/Kg
74-83-9	Bromomethane	3.00	U	0.81	3.00	3.80	ug/Kg
75-00-3	Chloroethane	1.90	U	0.95	1.90	3.80	ug/Kg
75-69-4	Trichlorofluoromethane	3.00	U	0.91	3.00	3.80	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.90	U	0.80	1.90	3.80	ug/Kg
75-35-4	1,1-Dichloroethene	1.90	U	0.76	1.90	3.80	ug/Kg
67-64-1	Acetone	30.4		3.60	15.1	18.9	ug/Kg
75-15-0	Carbon Disulfide	2.20	J	0.80	3.00	3.80	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.90	U	0.55	1.90	3.80	ug/Kg
79-20-9	Methyl Acetate	3.00	U	1.20	3.00	3.80	ug/Kg
75-09-2	Methylene Chloride	4.60	J	2.70	6.00	7.60	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.90	U	0.65	1.90	3.80	ug/Kg
75-34-3	1,1-Dichloroethane	1.90	U	0.60	1.90	3.80	ug/Kg
110-82-7	Cyclohexane	1.90	U	0.60	1.90	3.80	ug/Kg
78-93-3	2-Butanone	15.1	U	4.90	15.1	18.9	ug/Kg
56-23-5	Carbon Tetrachloride	1.90	U	0.73	1.90	3.80	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1.90	U	0.57	1.90	3.80	ug/Kg
74-97-5	Bromochloromethane	3.00	U	0.87	3.00	3.80	ug/Kg
67-66-3	Chloroform	3.00	U	0.64	3.00	3.80	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.90	U	0.70	1.90	3.80	ug/Kg
108-87-2	Methylcyclohexane	1.90	U	0.69	1.90	3.80	ug/Kg
71-43-2	Benzene	1.90	U	0.60	1.90	3.80	ug/Kg
107-06-2	1,2-Dichloroethane	1.90	U	0.60	1.90	3.80	ug/Kg
79-01-6	Trichloroethene	1.90	U	0.61	1.90	3.80	ug/Kg
78-87-5	1,2-Dichloropropane	1.90	U	0.69	1.90	3.80	ug/Kg
75-27-4	Bromodichloromethane	1.90	U	0.59	1.90	3.80	ug/Kg
108-10-1	4-Methyl-2-Pentanone	9.50	U	2.70	9.50	18.9	ug/Kg
108-88-3	Toluene	1.90	U	0.59	1.90	3.80	ug/Kg

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VW032085.D	1	08/14/25 12:02	VW081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	1.90	U	0.49	1.90	3.80	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1.90	U	0.47	1.90	3.80	ug/Kg
79-00-5	1,1,2-Trichloroethane	1.90	U	0.70	1.90	3.80	ug/Kg
591-78-6	2-Hexanone	9.50	U	2.80	9.50	18.9	ug/Kg
124-48-1	Dibromochloromethane	1.90	U	0.66	1.90	3.80	ug/Kg
106-93-4	1,2-Dibromoethane	1.90	U	0.67	1.90	3.80	ug/Kg
127-18-4	Tetrachloroethene	1.90	U	0.79	1.90	3.80	ug/Kg
108-90-7	Chlorobenzene	1.90	U	0.69	1.90	3.80	ug/Kg
100-41-4	Ethyl Benzene	1.90	U	0.51	1.90	3.80	ug/Kg
179601-23-1	m/p-Xylenes	3.80	U	0.94	3.80	7.60	ug/Kg
95-47-6	o-Xylene	1.90	U	0.62	1.90	3.80	ug/Kg
100-42-5	Styrene	1.90	U	0.54	1.90	3.80	ug/Kg
75-25-2	Bromoform	1.90	U	0.65	1.90	3.80	ug/Kg
98-82-8	Isopropylbenzene	1.90	U	0.59	1.90	3.80	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.90	U	0.91	1.90	3.80	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.90	U	1.30	1.90	3.80	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.90	U	1.20	1.90	3.80	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.90	U	1.10	1.90	3.80	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3.00	U	1.40	3.00	3.80	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	3.00	U	2.20	3.00	3.80	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	3.00	U	2.40	3.00	3.80	ug/Kg

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	58.2	71 - 136	116%	SPK: 50
1868-53-7	Dibromofluoromethane	55.4	78 - 119	111%	SPK: 50
2037-26-5	Toluene-d8	50.8	85 - 116	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.6	79 - 119	103%	SPK: 50

INTERNAL STANDARDS

363-72-4	Pentafluorobenzene	151000	7.965
540-36-3	1,4-Difluorobenzene	312000	8.855
3114-55-4	Chlorobenzene-d5	317000	11.629
3855-82-1	1,4-Dichlorobenzene-d4	149000	13.556

TENTATIVE IDENTIFIED COMPOUNDS

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	unknown12.928	6.40	J			12.9	ug/Kg

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