

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/06/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	SOIL-DUP-1	SDG No.:	Q2820
Lab Sample ID:	Q2820-04	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	86.8
Sample Wt/Vol:	7.8 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
VW032087.D	1	08/14/25 12:46	VW081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	3.00	U	0.84	3.00	3.70	ug/Kg
74-87-3	Chloromethane	1.80	U	0.84	1.80	3.70	ug/Kg
75-01-4	Vinyl Chloride	1.80	U	0.58	1.80	3.70	ug/Kg
74-83-9	Bromomethane	3.00	U	0.79	3.00	3.70	ug/Kg
75-00-3	Chloroethane	1.80	U	0.93	1.80	3.70	ug/Kg
75-69-4	Trichlorofluoromethane	3.00	U	0.89	3.00	3.70	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.80	U	0.78	1.80	3.70	ug/Kg
75-35-4	1,1-Dichloroethene	1.80	U	0.74	1.80	3.70	ug/Kg
67-64-1	Acetone	14.8	U	3.50	14.8	18.5	ug/Kg
75-15-0	Carbon Disulfide	3.00	U	0.78	3.00	3.70	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.80	U	0.54	1.80	3.70	ug/Kg
79-20-9	Methyl Acetate	3.00	U	1.10	3.00	3.70	ug/Kg
75-09-2	Methylene Chloride	5.90	U	2.60	5.90	7.40	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.80	U	0.64	1.80	3.70	ug/Kg
75-34-3	1,1-Dichloroethane	1.80	U	0.59	1.80	3.70	ug/Kg
110-82-7	Cyclohexane	1.80	U	0.58	1.80	3.70	ug/Kg
78-93-3	2-Butanone	14.8	U	4.80	14.8	18.5	ug/Kg
56-23-5	Carbon Tetrachloride	1.80	U	0.72	1.80	3.70	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1.80	U	0.55	1.80	3.70	ug/Kg
74-97-5	Bromochloromethane	3.00	U	0.85	3.00	3.70	ug/Kg
67-66-3	Chloroform	3.00	U	0.62	3.00	3.70	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.80	U	0.69	1.80	3.70	ug/Kg
108-87-2	Methylcyclohexane	1.80	U	0.67	1.80	3.70	ug/Kg
71-43-2	Benzene	1.80	U	0.58	1.80	3.70	ug/Kg
107-06-2	1,2-Dichloroethane	1.80	U	0.58	1.80	3.70	ug/Kg
79-01-6	Trichloroethene	1.80	U	0.60	1.80	3.70	ug/Kg
78-87-5	1,2-Dichloropropane	1.80	U	0.67	1.80	3.70	ug/Kg
75-27-4	Bromodichloromethane	1.80	U	0.58	1.80	3.70	ug/Kg
108-10-1	4-Methyl-2-Pentanone	9.20	U	2.60	9.20	18.5	ug/Kg
108-88-3	Toluene	1.80	U	0.58	1.80	3.70	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/06/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	SOIL-DUP-1	SDG No.:	Q2820
Lab Sample ID:	Q2820-04	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	86.8
Sample Wt/Vol:	7.8 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
VW032087.D	1	08/14/25 12:46	VW081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	1.80	U	0.48	1.80	3.70	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1.80	U	0.46	1.80	3.70	ug/Kg
79-00-5	1,1,2-Trichloroethane	1.80	U	0.68	1.80	3.70	ug/Kg
591-78-6	2-Hexanone	9.20	U	2.70	9.20	18.5	ug/Kg
124-48-1	Dibromochloromethane	1.80	U	0.64	1.80	3.70	ug/Kg
106-93-4	1,2-Dibromoethane	1.80	U	0.65	1.80	3.70	ug/Kg
127-18-4	Tetrachloroethene	1.80	U	0.78	1.80	3.70	ug/Kg
108-90-7	Chlorobenzene	1.80	U	0.67	1.80	3.70	ug/Kg
100-41-4	Ethyl Benzene	1.80	U	0.49	1.80	3.70	ug/Kg
179601-23-1	m/p-Xylenes	3.70	U	0.92	3.70	7.40	ug/Kg
95-47-6	o-Xylene	1.80	U	0.61	1.80	3.70	ug/Kg
100-42-5	Styrene	1.80	U	0.52	1.80	3.70	ug/Kg
75-25-2	Bromoform	1.80	U	0.64	1.80	3.70	ug/Kg
98-82-8	Isopropylbenzene	1.80	U	0.58	1.80	3.70	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.80	U	0.89	1.80	3.70	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.80	U	1.30	1.80	3.70	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.80	U	1.20	1.80	3.70	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.80	U	1.10	1.80	3.70	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3.00	U	1.40	3.00	3.70	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	3.00	U	2.20	3.00	3.70	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	3.00	U	2.30	3.00	3.70	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	58.1		71 - 136		116%	SPK: 50
1868-53-7	Dibromofluoromethane	56.6		78 - 119		113%	SPK: 50
2037-26-5	Toluene-d8	51.4		85 - 116		103%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.7		79 - 119		101%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	155000	7.965				
540-36-3	1,4-Difluorobenzene	307000	8.855				
3114-55-4	Chlorobenzene-d5	312000	11.629				
3855-82-1	1,4-Dichlorobenzene-d4	148000	13.556				

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/06/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	SOIL-DUP-1	SDG No.:	Q2820
Lab Sample ID:	Q2820-04	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	86.8
Sample Wt/Vol:	7.8 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
VW032087.D	1	08/14/25 12:46	VW081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
------------	-----------	-------	-----------	-----	-----	------------	-------

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