

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	22M-E	SDG No.:	Q2820
Lab Sample ID:	Q2820-23	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	34
Sample Wt/Vol:	4.45 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
VY023143.D	1	08/19/25 12:07	VY081925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	13.2	U	3.80	13.2	16.5	ug/Kg
74-87-3	Chloromethane	8.30	U	3.80	8.30	16.5	ug/Kg
75-01-4	Vinyl Chloride	8.30	U	2.60	8.30	16.5	ug/Kg
74-83-9	Bromomethane	13.2	U	3.50	13.2	16.5	ug/Kg
75-00-3	Chloroethane	8.30	U	4.20	8.30	16.5	ug/Kg
75-69-4	Trichlorofluoromethane	13.2	U	4.00	13.2	16.5	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	8.30	U	3.50	8.30	16.5	ug/Kg
75-35-4	1,1-Dichloroethene	8.30	U	3.30	8.30	16.5	ug/Kg
67-64-1	Acetone	66.1	U	15.7	66.1	82.6	ug/Kg
75-15-0	Carbon Disulfide	13.2	U	3.50	13.2	16.5	ug/Kg
1634-04-4	Methyl tert-butyl Ether	8.30	U	2.40	8.30	16.5	ug/Kg
79-20-9	Methyl Acetate	13.2	U	5.10	13.2	16.5	ug/Kg
75-09-2	Methylene Chloride	26.4	U	11.7	26.4	33.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	8.30	U	2.80	8.30	16.5	ug/Kg
75-34-3	1,1-Dichloroethane	8.30	U	2.60	8.30	16.5	ug/Kg
110-82-7	Cyclohexane	8.30	U	2.60	8.30	16.5	ug/Kg
78-93-3	2-Butanone	66.1	U	21.6	66.1	82.6	ug/Kg
56-23-5	Carbon Tetrachloride	8.30	U	3.20	8.30	16.5	ug/Kg
156-59-2	cis-1,2-Dichloroethene	8.30	U	2.50	8.30	16.5	ug/Kg
74-97-5	Bromochloromethane	13.2	U	3.80	13.2	16.5	ug/Kg
67-66-3	Chloroform	13.2	U	2.80	13.2	16.5	ug/Kg
71-55-6	1,1,1-Trichloroethane	8.30	U	3.10	8.30	16.5	ug/Kg
108-87-2	Methylcyclohexane	8.30	U	3.00	8.30	16.5	ug/Kg
71-43-2	Benzene	8.30	U	2.60	8.30	16.5	ug/Kg
107-06-2	1,2-Dichloroethane	8.30	U	2.60	8.30	16.5	ug/Kg
79-01-6	Trichloroethene	8.30	U	2.70	8.30	16.5	ug/Kg
78-87-5	1,2-Dichloropropane	8.30	U	3.00	8.30	16.5	ug/Kg
75-27-4	Bromodichloromethane	8.30	U	2.60	8.30	16.5	ug/Kg
108-10-1	4-Methyl-2-Pentanone	41.3	U	11.8	41.3	82.6	ug/Kg
108-88-3	Toluene	8.30	U	2.60	8.30	16.5	ug/Kg

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	22M-E	SDG No.:	Q2820
Lab Sample ID:	Q2820-23	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	34
Sample Wt/Vol:	4.45 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
VY023143.D	1	08/19/25 12:07	VY081925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	8.30	U	2.10	8.30	16.5	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	8.30	U	2.00	8.30	16.5	ug/Kg
79-00-5	1,1,2-Trichloroethane	8.30	U	3.00	8.30	16.5	ug/Kg
591-78-6	2-Hexanone	41.3	U	12.2	41.3	82.6	ug/Kg
124-48-1	Dibromochloromethane	8.30	U	2.90	8.30	16.5	ug/Kg
106-93-4	1,2-Dibromoethane	8.30	U	2.90	8.30	16.5	ug/Kg
127-18-4	Tetrachloroethene	8.30	U	3.50	8.30	16.5	ug/Kg
108-90-7	Chlorobenzene	8.30	U	3.00	8.30	16.5	ug/Kg
100-41-4	Ethyl Benzene	8.30	U	2.20	8.30	16.5	ug/Kg
179601-23-1	m/p-Xylenes	16.5	U	4.10	16.5	33.0	ug/Kg
95-47-6	o-Xylene	8.30	U	2.70	8.30	16.5	ug/Kg
100-42-5	Styrene	8.30	U	2.30	8.30	16.5	ug/Kg
75-25-2	Bromoform	8.30	U	2.80	8.30	16.5	ug/Kg
98-82-8	Isopropylbenzene	8.30	U	2.60	8.30	16.5	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	8.30	U	4.00	8.30	16.5	ug/Kg
541-73-1	1,3-Dichlorobenzene	8.30	U	5.70	8.30	16.5	ug/Kg
106-46-7	1,4-Dichlorobenzene	8.30	U	5.20	8.30	16.5	ug/Kg
95-50-1	1,2-Dichlorobenzene	8.30	U	4.80	8.30	16.5	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	13.2	U	6.10	13.2	16.5	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	13.2	U	9.80	13.2	16.5	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	13.2	U	10.5	13.2	16.5	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	57.1		71 - 136		114%	SPK: 50
1868-53-7	Dibromofluoromethane	52.7		78 - 119		105%	SPK: 50
2037-26-5	Toluene-d8	50.8		85 - 116		102%	SPK: 50
460-00-4	4-Bromofluorobenzene	41.4		79 - 119		83%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	606000	7.707				
540-36-3	1,4-Difluorobenzene	1110000	8.616				
3114-55-4	Chlorobenzene-d5	926000	11.414				
3855-82-1	1,4-Dichlorobenzene-d4	307000	13.347				

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	22M-E	SDG No.:	Q2820
Lab Sample ID:	Q2820-23	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	34
Sample Wt/Vol:	4.45 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
VY023143.D	1	08/19/25 12:07	VY081925

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