

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/05/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	84SB-WRE	SDG No.:	Q2819
Lab Sample ID:	Q2819-11RE	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	86.8
Sample Wt/Vol:	6.93 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
VY023090.D	1	08/14/25 13:13	VY081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	3.30	U	0.95	3.30	4.20	ug/Kg
74-87-3	Chloromethane	2.10	U	0.95	2.10	4.20	ug/Kg
75-01-4	Vinyl Chloride	2.10	U	0.66	2.10	4.20	ug/Kg
74-83-9	Bromomethane	3.30	U	0.89	3.30	4.20	ug/Kg
75-00-3	Chloroethane	2.10	U	1.00	2.10	4.20	ug/Kg
75-69-4	Trichlorofluoromethane	3.30	U	1.00	3.30	4.20	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	2.10	U	0.88	2.10	4.20	ug/Kg
75-35-4	1,1-Dichloroethene	2.10	U	0.83	2.10	4.20	ug/Kg
67-64-1	Acetone	16.6	U	3.90	16.6	20.8	ug/Kg
75-15-0	Carbon Disulfide	3.30	U	0.88	3.30	4.20	ug/Kg
1634-04-4	Methyl tert-butyl Ether	2.10	U	0.61	2.10	4.20	ug/Kg
79-20-9	Methyl Acetate	3.30	U	1.30	3.30	4.20	ug/Kg
75-09-2	Methylene Chloride	6.60	U	2.90	6.60	8.30	ug/Kg
156-60-5	trans-1,2-Dichloroethene	2.10	U	0.71	2.10	4.20	ug/Kg
75-34-3	1,1-Dichloroethane	2.10	U	0.66	2.10	4.20	ug/Kg
110-82-7	Cyclohexane	2.10	U	0.66	2.10	4.20	ug/Kg
78-93-3	2-Butanone	16.6	U	5.40	16.6	20.8	ug/Kg
56-23-5	Carbon Tetrachloride	2.10	U	0.81	2.10	4.20	ug/Kg
156-59-2	cis-1,2-Dichloroethene	2.10	U	0.62	2.10	4.20	ug/Kg
74-97-5	Bromochloromethane	3.30	U	0.96	3.30	4.20	ug/Kg
67-66-3	Chloroform	3.30	U	0.70	3.30	4.20	ug/Kg
71-55-6	1,1,1-Trichloroethane	2.10	U	0.77	2.10	4.20	ug/Kg
108-87-2	Methylcyclohexane	2.10	U	0.76	2.10	4.20	ug/Kg
71-43-2	Benzene	2.10	U	0.66	2.10	4.20	ug/Kg
107-06-2	1,2-Dichloroethane	2.10	U	0.66	2.10	4.20	ug/Kg
79-01-6	Trichloroethene	2.10	U	0.67	2.10	4.20	ug/Kg
78-87-5	1,2-Dichloropropane	2.10	U	0.76	2.10	4.20	ug/Kg
75-27-4	Bromodichloromethane	2.10	U	0.65	2.10	4.20	ug/Kg
108-10-1	4-Methyl-2-Pentanone	10.4	U	3.00	10.4	20.8	ug/Kg
108-88-3	Toluene	2.10	U	0.65	2.10	4.20	ug/Kg

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VY023090.D	1	08/14/25 13:13	VY081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	2.10	U	0.54	2.10	4.20	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	2.10	U	0.52	2.10	4.20	ug/Kg
79-00-5	1,1,2-Trichloroethane	2.10	U	0.76	2.10	4.20	ug/Kg
591-78-6	2-Hexanone	10.4	U	3.10	10.4	20.8	ug/Kg
124-48-1	Dibromochloromethane	2.10	U	0.72	2.10	4.20	ug/Kg
106-93-4	1,2-Dibromoethane	2.10	U	0.73	2.10	4.20	ug/Kg
127-18-4	Tetrachloroethene	2.10	U	0.87	2.10	4.20	ug/Kg
108-90-7	Chlorobenzene	2.10	U	0.76	2.10	4.20	ug/Kg
100-41-4	Ethyl Benzene	2.10	U	0.56	2.10	4.20	ug/Kg
179601-23-1	m/p-Xylenes	4.20	U	1.00	4.20	8.30	ug/Kg
95-47-6	o-Xylene	2.10	U	0.68	2.10	4.20	ug/Kg
100-42-5	Styrene	2.10	U	0.59	2.10	4.20	ug/Kg
75-25-2	Bromoform	2.10	U	0.71	2.10	4.20	ug/Kg
98-82-8	Isopropylbenzene	2.10	U	0.65	2.10	4.20	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	2.10	U	1.00	2.10	4.20	ug/Kg
541-73-1	1,3-Dichlorobenzene	2.10	U	1.40	2.10	4.20	ug/Kg
106-46-7	1,4-Dichlorobenzene	2.10	U	1.30	2.10	4.20	ug/Kg
95-50-1	1,2-Dichlorobenzene	2.10	U	1.20	2.10	4.20	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3.30	U	1.50	3.30	4.20	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	3.30	U	2.50	3.30	4.20	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	3.30	U	2.60	3.30	4.20	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	38.6		71 - 136		77%	SPK: 50
1868-53-7	Dibromofluoromethane	52.7		78 - 119		105%	SPK: 50
2037-26-5	Toluene-d8	46.4		85 - 116		93%	SPK: 50
460-00-4	4-Bromofluorobenzene	24.8	*	79 - 119		50%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	64700	7.707				
540-36-3	1,4-Difluorobenzene	91300	8.615				
3114-55-4	Chlorobenzene-d5	57700	11.414				
3855-82-1	1,4-Dichlorobenzene-d4	13400	13.346				

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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