

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-W	SDG No.:	Q2819
Lab Sample ID:	Q2819-11	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	86.8
Sample Wt/Vol:	5.46 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
VY023073.D	1	08/13/25 16:30	VY081325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	4.20	U	1.20	4.20	5.30	ug/Kg
74-87-3	Chloromethane	2.60	U	1.20	2.60	5.30	ug/Kg
75-01-4	Vinyl Chloride	2.60	U	0.83	2.60	5.30	ug/Kg
74-83-9	Bromomethane	4.20	U	1.10	4.20	5.30	ug/Kg
75-00-3	Chloroethane	2.60	U	1.30	2.60	5.30	ug/Kg
75-69-4	Trichlorofluoromethane	4.20	U	1.30	4.20	5.30	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	2.60	U	1.10	2.60	5.30	ug/Kg
75-35-4	1,1-Dichloroethene	2.60	U	1.10	2.60	5.30	ug/Kg
67-64-1	Acetone	21.1	U	5.00	21.1	26.4	ug/Kg
75-15-0	Carbon Disulfide	4.20	U	1.10	4.20	5.30	ug/Kg
1634-04-4	Methyl tert-butyl Ether	2.60	U	0.77	2.60	5.30	ug/Kg
79-20-9	Methyl Acetate	4.20	U	1.60	4.20	5.30	ug/Kg
75-09-2	Methylene Chloride	8.40	U	3.70	8.40	10.6	ug/Kg
156-60-5	trans-1,2-Dichloroethene	2.60	U	0.91	2.60	5.30	ug/Kg
75-34-3	1,1-Dichloroethane	2.60	U	0.84	2.60	5.30	ug/Kg
110-82-7	Cyclohexane	2.60	U	0.83	2.60	5.30	ug/Kg
78-93-3	2-Butanone	21.1	U	6.90	21.1	26.4	ug/Kg
56-23-5	Carbon Tetrachloride	2.60	U	1.00	2.60	5.30	ug/Kg
156-59-2	cis-1,2-Dichloroethene	2.60	U	0.79	2.60	5.30	ug/Kg
74-97-5	Bromochloromethane	4.20	U	1.20	4.20	5.30	ug/Kg
67-66-3	Chloroform	4.20	U	0.89	4.20	5.30	ug/Kg
71-55-6	1,1,1-Trichloroethane	2.60	U	0.98	2.60	5.30	ug/Kg
108-87-2	Methylcyclohexane	2.60	U	0.96	2.60	5.30	ug/Kg
71-43-2	Benzene	2.60	U	0.83	2.60	5.30	ug/Kg
107-06-2	1,2-Dichloroethane	2.60	U	0.83	2.60	5.30	ug/Kg
79-01-6	Trichloroethene	2.60	U	0.85	2.60	5.30	ug/Kg
78-87-5	1,2-Dichloropropane	2.60	U	0.96	2.60	5.30	ug/Kg
75-27-4	Bromodichloromethane	2.60	U	0.82	2.60	5.30	ug/Kg
108-10-1	4-Methyl-2-Pentanone	13.2	U	3.80	13.2	26.4	ug/Kg
108-88-3	Toluene	2.60	U	0.82	2.60	5.30	ug/Kg

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VY023073.D	1	08/13/25 16:30	VY081325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	2.60	U	0.69	2.60	5.30	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	2.60	U	0.65	2.60	5.30	ug/Kg
79-00-5	1,1,2-Trichloroethane	2.60	U	0.97	2.60	5.30	ug/Kg
591-78-6	2-Hexanone	13.2	U	3.90	13.2	26.4	ug/Kg
124-48-1	Dibromochloromethane	2.60	U	0.92	2.60	5.30	ug/Kg
106-93-4	1,2-Dibromoethane	2.60	U	0.93	2.60	5.30	ug/Kg
127-18-4	Tetrachloroethene	2.60	U	1.10	2.60	5.30	ug/Kg
108-90-7	Chlorobenzene	2.60	U	0.96	2.60	5.30	ug/Kg
100-41-4	Ethyl Benzene	2.60	U	0.71	2.60	5.30	ug/Kg
179601-23-1	m/p-Xylenes	5.30	U	1.30	5.30	10.6	ug/Kg
95-47-6	o-Xylene	2.60	U	0.87	2.60	5.30	ug/Kg
100-42-5	Styrene	2.60	U	0.75	2.60	5.30	ug/Kg
75-25-2	Bromoform	2.60	U	0.91	2.60	5.30	ug/Kg
98-82-8	Isopropylbenzene	2.60	U	0.82	2.60	5.30	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	2.60	U	1.30	2.60	5.30	ug/Kg
541-73-1	1,3-Dichlorobenzene	2.60	U	1.80	2.60	5.30	ug/Kg
106-46-7	1,4-Dichlorobenzene	2.60	U	1.60	2.60	5.30	ug/Kg
95-50-1	1,2-Dichlorobenzene	2.60	U	1.50	2.60	5.30	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	4.20	U	1.90	4.20	5.30	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	4.20	U	3.10	4.20	5.30	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	4.20	U	3.40	4.20	5.30	ug/Kg

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	53.1		71 - 136	106%	SPK: 50
1868-53-7	Dibromofluoromethane	54.4		78 - 119	109%	SPK: 50
2037-26-5	Toluene-d8	49.1		85 - 116	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	37.8	*	79 - 119	76%	SPK: 50

INTERNAL STANDARDS

363-72-4	Pentafluorobenzene	154000	7.707
540-36-3	1,4-Difluorobenzene	260000	8.61
3114-55-4	Chlorobenzene-d5	197000	11.408
3855-82-1	1,4-Dichlorobenzene-d4	66800	13.34

TENTATIVE IDENTIFIED COMPOUNDS

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1024470-80-1	3-Cyclohexyl-1-methyl-1-(2-phenyle	5.70	J			2.12	ug/Kg
000090-12-0	Naphthalene, 1-methyl-	7.40	J			16.2	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