

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-S	SDG No.:	Q2820
Lab Sample ID:	Q2820-24	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	89
Sample Wt/Vol:	5.99 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
VY023122.D	1	08/15/25 13:28	VY081525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	3.80	U	1.10	3.80	4.70	ug/Kg
74-87-3	Chloromethane	2.30	U	1.10	2.30	4.70	ug/Kg
75-01-4	Vinyl Chloride	2.30	U	0.74	2.30	4.70	ug/Kg
74-83-9	Bromomethane	3.80	U	1.00	3.80	4.70	ug/Kg
75-00-3	Chloroethane	2.30	U	1.20	2.30	4.70	ug/Kg
75-69-4	Trichlorofluoromethane	3.80	U	1.10	3.80	4.70	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	2.30	U	0.99	2.30	4.70	ug/Kg
75-35-4	1,1-Dichloroethene	2.30	U	0.94	2.30	4.70	ug/Kg
67-64-1	Acetone	8.00	J	4.40	18.8	23.4	ug/Kg
75-15-0	Carbon Disulfide	2.60	J	0.99	3.80	4.70	ug/Kg
1634-04-4	Methyl tert-butyl Ether	2.30	U	0.68	2.30	4.70	ug/Kg
79-20-9	Methyl Acetate	3.80	U	1.40	3.80	4.70	ug/Kg
75-09-2	Methylene Chloride	7.50	U	3.30	7.50	9.40	ug/Kg
156-60-5	trans-1,2-Dichloroethene	2.30	U	0.81	2.30	4.70	ug/Kg
75-34-3	1,1-Dichloroethane	2.30	U	0.75	2.30	4.70	ug/Kg
110-82-7	Cyclohexane	2.30	U	0.74	2.30	4.70	ug/Kg
78-93-3	2-Butanone	18.8	U	6.10	18.8	23.4	ug/Kg
56-23-5	Carbon Tetrachloride	2.30	U	0.91	2.30	4.70	ug/Kg
156-59-2	cis-1,2-Dichloroethene	2.30	U	0.70	2.30	4.70	ug/Kg
74-97-5	Bromochloromethane	3.80	U	1.10	3.80	4.70	ug/Kg
67-66-3	Chloroform	3.80	U	0.79	3.80	4.70	ug/Kg
71-55-6	1,1,1-Trichloroethane	2.30	U	0.87	2.30	4.70	ug/Kg
108-87-2	Methylcyclohexane	2.30	U	0.85	2.30	4.70	ug/Kg
71-43-2	Benzene	2.30	U	0.74	2.30	4.70	ug/Kg
107-06-2	1,2-Dichloroethane	2.30	U	0.74	2.30	4.70	ug/Kg
79-01-6	Trichloroethene	2.30	U	0.76	2.30	4.70	ug/Kg
78-87-5	1,2-Dichloropropane	2.30	U	0.85	2.30	4.70	ug/Kg
75-27-4	Bromodichloromethane	2.30	U	0.73	2.30	4.70	ug/Kg
108-10-1	4-Methyl-2-Pentanone	11.7	U	3.40	11.7	23.4	ug/Kg
108-88-3	Toluene	2.30	U	0.73	2.30	4.70	ug/Kg



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SURROGATES

17060-07-0	1,2-Dichloroethane-d4	55.7	71 - 136	111%	SPK: 50
1868-53-7	Dibromofluoromethane	51.4	78 - 119	103%	SPK: 50
2037-26-5	Toluene-d8	51.0	85 - 116	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.3	79 - 119	97%	SPK: 50

363-72-4	Pentafluorobenzene	540000	7.707
540-36-3	1,4-Difluorobenzene	1020000	8.609
3114-55-4	Chlorobenzene-d5	889000	11.414
3855-82-1	1,4-Dichlorobenzene-d4	377000	13.34

TENTATIVE IDENTIFIED COMPOUNDS

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000091-17-8	Naphthalene, decahydro-	91.7	J			13.7	ug/Kg
002958-76-1	Naphthalene, decahydro-2-methyl-	150	J			14.2	ug/Kg
002958-75-0	1-Methyldecahydronaphthalene	91.3	J			14.3	ug/Kg
000112-40-3	Dodecane	64.1	J			14.5	ug/Kg
017301-23-4	Undecane, 2,6-dimethyl-	250	J			14.6	ug/Kg
002051-30-1	Octane, 2,6-dimethyl-	310	J			15.1	ug/Kg
000629-50-5	Tridecane	100	J			15.3	ug/Kg
	unknown15.505	150	J			15.5	ug/Kg
003891-98-3	Dodecane, 2,6,10-trimethyl-	100	J			16.0	ug/Kg
080655-44-3	Decahydro-1,1,4a,5,6-pentamethylna	120	J			16.6	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