284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	88H-S	SDG No.:	Q2820
Lab Sample ID:	Q2820-20	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	84.6
Sample Wt/Vol:	8.76 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
VW032103.D	1	08/14/25 18:47	VW081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	2.70	U	0.77	2.70	3.40	ug/Kg
74-87-3	Chloromethane	1.70	U	0.77	1.70	3.40	ug/Kg
75-01-4	Vinyl Chloride	1.70	U	0.53	1.70	3.40	ug/Kg
74-83-9	Bromomethane	2.70	U	0.72	2.70	3.40	ug/Kg
75-00-3	Chloroethane	1.70	U	0.85	1.70	3.40	ug/Kg
75-69-4	Trichlorofluoromethane	2.70	U	0.82	2.70	3.40	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.70	U	0.72	1.70	3.40	ug/Kg
75-35-4	1,1-Dichloroethene	1.70	U	0.67	1.70	3.40	ug/Kg
67-64-1	Acetone	47.3		3.20	13.5	16.9	ug/Kg
75-15-0	Carbon Disulfide	2.70	U	0.72	2.70	3.40	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.70	U	0.49	1.70	3.40	ug/Kg
79-20-9	Methyl Acetate	2.70	U	1.00	2.70	3.40	ug/Kg
75-09-2	Methylene Chloride	5.40	U	2.40	5.40	6.70	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.70	U	0.58	1.70	3.40	ug/Kg
75-34-3	1,1-Dichloroethane	1.70	U	0.54	1.70	3.40	ug/Kg
110-82-7	Cyclohexane	1.70	U	0.53	1.70	3.40	ug/Kg
78-93-3	2-Butanone	13.5	U	4.40	13.5	16.9	ug/Kg
56-23-5	Carbon Tetrachloride	1.70	U	0.65	1.70	3.40	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1.70	U	0.51	1.70	3.40	ug/Kg
74-97-5	Bromochloromethane	2.70	U	0.78	2.70	3.40	ug/Kg
67-66-3	Chloroform	2.70	U	0.57	2.70	3.40	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.70	U	0.63	1.70	3.40	ug/Kg
108-87-2	Methylcyclohexane	1.70	U	0.61	1.70	3.40	ug/Kg
71-43-2	Benzene	1.70	U	0.53	1.70	3.40	ug/Kg
107-06-2	1,2-Dichloroethane	1.70	U	0.53	1.70	3.40	ug/Kg
79-01-6	Trichloroethene	1.70	U	0.55	1.70	3.40	ug/Kg
78-87-5	1,2-Dichloropropane	1.70	U	0.61	1.70	3.40	ug/Kg
75-27-4	Bromodichloromethane	1.70	U	0.53	1.70	3.40	ug/Kg
108-10-1	4-Methyl-2-Pentanone	8.40	U	2.40	8.40	16.9	ug/Kg
108-88-3	Toluene	1.70	U	0.53	1.70	3.40	ug/Kg

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Lab Sample ID:	Q2820-20	Matrix:	SOIL
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File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032103.D	1	08/14/25 18:47	VW081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	1.70	U	0.44	1.70	3.40	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1.70	U	0.42	1.70	3.40	ug/Kg
79-00-5	1,1,2-Trichloroethane	1.70	U	0.62	1.70	3.40	ug/Kg
591-78-6	2-Hexanone	8.40	U	2.50	8.40	16.9	ug/Kg
124-48-1	Dibromochloromethane	1.70	U	0.59	1.70	3.40	ug/Kg
106-93-4	1,2-Dibromoethane	1.70	U	0.59	1.70	3.40	ug/Kg
127-18-4	Tetrachloroethene	1.70	U	0.71	1.70	3.40	ug/Kg
108-90-7	Chlorobenzene	1.70	U	0.61	1.70	3.40	ug/Kg
100-41-4	Ethyl Benzene	1.70	U	0.45	1.70	3.40	ug/Kg
179601-23-1	m/p-Xylenes	3.40	U	0.84	3.40	6.70	ug/Kg
95-47-6	o-Xylene	1.70	U	0.55	1.70	3.40	ug/Kg
100-42-5	Styrene	1.70	U	0.48	1.70	3.40	ug/Kg
75-25-2	Bromoform	1.70	U	0.58	1.70	3.40	ug/Kg
98-82-8	Isopropylbenzene	1.70	U	0.53	1.70	3.40	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.70	U	0.82	1.70	3.40	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.70	U	1.20	1.70	3.40	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.70	U	1.10	1.70	3.40	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.70	U	0.98	1.70	3.40	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	2.70	U	1.20	2.70	3.40	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2.70	U	2.00	2.70	3.40	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	2.70	U	2.10	2.70	3.40	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	60.4		71 - 136		121%	SPK: 50
1868-53-7	Dibromofluoromethane	55.3		78 - 119		111%	SPK: 50
2037-26-5	Toluene-d8	49.9		85 - 116		100%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.3		79 - 119		97%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	146000	7.965				
540-36-3	1,4-Difluorobenzene	298000	8.856				
3114-55-4	Chlorobenzene-d5	290000	11.636				
3855-82-1	1,4-Dichlorobenzene-d4	135000	13.556				
TENTATIVE IDENTIFIED COMPOUNDS							

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CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
000075-18-3	Dimethyl sulfide	4.30	J			4.24	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