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

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	10P-S	SDG No.:	Q2820
Lab Sample ID:	Q2820-15	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	88.5
Sample Wt/Vol:	7.75 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
VY023142.D	1	08/19/25 11:44	VY081925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	2.90	U	0.83	2.90	3.60	ug/Kg
74-87-3	Chloromethane	1.80	U	0.83	1.80	3.60	ug/Kg
75-01-4	Vinyl Chloride	1.80	U	0.58	1.80	3.60	ug/Kg
74-83-9	Bromomethane	2.90	U	0.78	2.90	3.60	ug/Kg
75-00-3	Chloroethane	1.80	U	0.92	1.80	3.60	ug/Kg
75-69-4	Trichlorofluoromethane	2.90	U	0.88	2.90	3.60	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.80	U	0.77	1.80	3.60	ug/Kg
75-35-4	1,1-Dichloroethene	1.80	U	0.73	1.80	3.60	ug/Kg
67-64-1	Acetone	14.6	U	3.50	14.6	18.2	ug/Kg
75-15-0	Carbon Disulfide	2.90	U	0.77	2.90	3.60	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.80	U	0.53	1.80	3.60	ug/Kg
79-20-9	Methyl Acetate	2.90	U	1.10	2.90	3.60	ug/Kg
75-09-2	Methylene Chloride	5.80	U	2.60	5.80	7.30	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.80	U	0.63	1.80	3.60	ug/Kg
75-34-3	1,1-Dichloroethane	1.80	U	0.58	1.80	3.60	ug/Kg
110-82-7	Cyclohexane	1.80	U	0.58	1.80	3.60	ug/Kg
78-93-3	2-Butanone	14.6	U	4.80	14.6	18.2	ug/Kg
56-23-5	Carbon Tetrachloride	1.80	U	0.71	1.80	3.60	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1.80	U	0.55	1.80	3.60	ug/Kg
74-97-5	Bromochloromethane	2.90	U	0.84	2.90	3.60	ug/Kg
67-66-3	Chloroform	2.90	U	0.61	2.90	3.60	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.80	U	0.68	1.80	3.60	ug/Kg
108-87-2	Methylcyclohexane	1.80	U	0.66	1.80	3.60	ug/Kg
71-43-2	Benzene	1.80	U	0.58	1.80	3.60	ug/Kg
107-06-2	1,2-Dichloroethane	1.80	U	0.58	1.80	3.60	ug/Kg
79-01-6	Trichloroethene	1.80	U	0.59	1.80	3.60	ug/Kg
78-87-5	1,2-Dichloropropane	1.80	U	0.66	1.80	3.60	ug/Kg
75-27-4	Bromodichloromethane	1.80	U	0.57	1.80	3.60	ug/Kg
108-10-1	4-Methyl-2-Pentanone	9.10	U	2.60	9.10	18.2	ug/Kg
108-88-3	Toluene	1.80	U	0.57	1.80	3.60	ug/Kg

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CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	1.80	U	0.47	1.80	3.60	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1.80	U	0.45	1.80	3.60	ug/Kg
79-00-5	1,1,2-Trichloroethane	1.80	U	0.67	1.80	3.60	ug/Kg
591-78-6	2-Hexanone	9.10	U	2.70	9.10	18.2	ug/Kg
124-48-1	Dibromochloromethane	1.80	U	0.63	1.80	3.60	ug/Kg
106-93-4	1,2-Dibromoethane	1.80	U	0.64	1.80	3.60	ug/Kg
127-18-4	Tetrachloroethene	1.80	U	0.77	1.80	3.60	ug/Kg
108-90-7	Chlorobenzene	1.80	U	0.66	1.80	3.60	ug/Kg
100-41-4	Ethyl Benzene	1.80	U	0.49	1.80	3.60	ug/Kg
179601-23-1	m/p-Xylenes	3.60	U	0.90	3.60	7.30	ug/Kg
95-47-6	o-Xylene	1.80	U	0.60	1.80	3.60	ug/Kg
100-42-5	Styrene	1.80	U	0.52	1.80	3.60	ug/Kg
75-25-2	Bromoform	1.80	U	0.63	1.80	3.60	ug/Kg
98-82-8	Isopropylbenzene	1.80	U	0.57	1.80	3.60	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.80	U	0.88	1.80	3.60	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.80	U	1.20	1.80	3.60	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.80	U	1.10	1.80	3.60	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.80	U	1.10	1.80	3.60	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	2.90	U	1.30	2.90	3.60	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2.90	U	2.20	2.90	3.60	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	2.90	U	2.30	2.90	3.60	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	53.2		71 - 136		106%	SPK: 50
1868-53-7	Dibromofluoromethane	52.6		78 - 119		105%	SPK: 50
2037-26-5	Toluene-d8	51.2		85 - 116		102%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.2		79 - 119		100%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	633000	7.707				
540-36-3	1,4-Difluorobenzene	1170000	8.615				
3114-55-4	Chlorobenzene-d5	1040000	11.413				
3855-82-1	1,4-Dichlorobenzene-d4	448000	13.346				
TENTATIVE IDENTIFIED COMPOUNDS							

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004057-42-5	2-Octene, 2,6-dimethyl-	11.5	J			12.6	ug/Kg
	unknown12.651	6.90	J			12.7	ug/Kg
	unknown12.730	15.0	J			12.7	ug/Kg
1000195-06-9	3,4-Dimethylpent-2-en-1-ol	9.20	J			13.0	ug/Kg
001678-98-4	Cyclohexane, (2-methylpropyl)-	13.5	J			13.2	ug/Kg
1000372-78-8	Isobutyl undecyl carbonate	6.60	J			13.3	ug/Kg
071186-27-1	1-Ethyl-2,2,6-trimethylcyclohexane	6.10	J			13.5	ug/Kg
000091-17-8	Naphthalene, decahydro-	19.2	J			13.7	ug/Kg
002958-76-1	Naphthalene, decahydro-2-methyl-	12.8	J			14.2	ug/Kg
1000155-85-6	cis-Decalin, 2-syn-methyl-	6.20	J			14.3	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