

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	
Project:	USACE018-44 DOD	Date Received:	
Client Sample ID:	VY0819SBS01	SDG No.:	Q2820
Lab Sample ID:	VY0819SBS01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 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
VY023139.D	1	08/19/25 10:19	VY081925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	20.7		1.10	4.00	5.00	ug/Kg
74-87-3	Chloromethane	20.2		1.10	2.50	5.00	ug/Kg
75-01-4	Vinyl Chloride	20.6		0.79	2.50	5.00	ug/Kg
74-83-9	Bromomethane	23.2		1.10	4.00	5.00	ug/Kg
75-00-3	Chloroethane	20.8		1.30	2.50	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	20.0		1.20	4.00	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	21.5		1.10	2.50	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	20.8		1.00	2.50	5.00	ug/Kg
67-64-1	Acetone	110		4.70	20.0	25.0	ug/Kg
75-15-0	Carbon Disulfide	19.9		1.10	4.00	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	19.7		0.73	2.50	5.00	ug/Kg
79-20-9	Methyl Acetate	17.4		1.50	4.00	5.00	ug/Kg
75-09-2	Methylene Chloride	18.9		3.50	8.00	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	21.0		0.86	2.50	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	20.0		0.80	2.50	5.00	ug/Kg
110-82-7	Cyclohexane	19.6		0.79	2.50	5.00	ug/Kg
78-93-3	2-Butanone	100		6.50	20.0	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	21.4		0.97	2.50	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	20.6		0.75	2.50	5.00	ug/Kg
74-97-5	Bromochloromethane	19.5		1.20	4.00	5.00	ug/Kg
67-66-3	Chloroform	20.7		0.84	4.00	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	20.8		0.93	2.50	5.00	ug/Kg
108-87-2	Methylcyclohexane	20.8		0.91	2.50	5.00	ug/Kg
71-43-2	Benzene	21.1		0.79	2.50	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	20.2		0.79	2.50	5.00	ug/Kg
79-01-6	Trichloroethene	21.2		0.81	2.50	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	20.5		0.91	2.50	5.00	ug/Kg
75-27-4	Bromodichloromethane	20.7		0.78	2.50	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	93.7		3.60	12.5	25.0	ug/Kg
108-88-3	Toluene	21.0		0.78	2.50	5.00	ug/Kg

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10061-02-6	t-1,3-Dichloropropene	20.1		0.65	2.50	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	20.5		0.62	2.50	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	20.4		0.92	2.50	5.00	ug/Kg
591-78-6	2-Hexanone	99.0		3.70	12.5	25.0	ug/Kg
124-48-1	Dibromochloromethane	20.6		0.87	2.50	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	20.3		0.88	2.50	5.00	ug/Kg
127-18-4	Tetrachloroethene	20.5		1.10	2.50	5.00	ug/Kg
108-90-7	Chlorobenzene	21.3		0.91	2.50	5.00	ug/Kg
100-41-4	Ethyl Benzene	20.8		0.67	2.50	5.00	ug/Kg
179601-23-1	m/p-Xylenes	42.0		1.20	5.00	10.0	ug/Kg
95-47-6	o-Xylene	21.0		0.82	2.50	5.00	ug/Kg
100-42-5	Styrene	21.0		0.71	2.50	5.00	ug/Kg
75-25-2	Bromoform	20.5		0.86	2.50	5.00	ug/Kg
98-82-8	Isopropylbenzene	21.2		0.78	2.50	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	20.7		1.20	2.50	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	20.9		1.70	2.50	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	20.8		1.60	2.50	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	20.5		1.50	2.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	19.5		1.80	4.00	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	20.2		3.00	4.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	20.1		3.20	4.00	5.00	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	47.4		71 - 136		95%	SPK: 50
1868-53-7	Dibromofluoromethane	48.6		78 - 119		97%	SPK: 50
2037-26-5	Toluene-d8	49.6		85 - 116		99%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.5		79 - 119		97%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	518000	7.707				
540-36-3	1,4-Difluorobenzene	817000	8.615				
3114-55-4	Chlorobenzene-d5	707000	11.413				
3855-82-1	1,4-Dichlorobenzene-d4	353000	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