

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	
Project:	USACE018-44 DOD	Date Received:	
Client Sample ID:	VY0813SBS01	SDG No.:	Q2819
Lab Sample ID:	VY0813SBS01	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
VY023061.D	1	08/13/25 11:09	VY081325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	22.1		1.10	4.00	5.00	ug/Kg
74-87-3	Chloromethane	23.7		1.10	2.50	5.00	ug/Kg
75-01-4	Vinyl Chloride	23.6		0.79	2.50	5.00	ug/Kg
74-83-9	Bromomethane	23.9		1.10	4.00	5.00	ug/Kg
75-00-3	Chloroethane	23.2		1.30	2.50	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	22.5		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	21.5		1.00	2.50	5.00	ug/Kg
67-64-1	Acetone	100		4.70	20.0	25.0	ug/Kg
75-15-0	Carbon Disulfide	21.7		1.10	4.00	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	19.9		0.73	2.50	5.00	ug/Kg
79-20-9	Methyl Acetate	19.0		1.50	4.00	5.00	ug/Kg
75-09-2	Methylene Chloride	21.6		3.50	8.00	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	21.2		0.86	2.50	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	21.3		0.80	2.50	5.00	ug/Kg
110-82-7	Cyclohexane	20.5		0.79	2.50	5.00	ug/Kg
78-93-3	2-Butanone	97.4		6.50	20.0	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	20.7		0.97	2.50	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	21.1		0.75	2.50	5.00	ug/Kg
74-97-5	Bromochloromethane	20.8		1.20	4.00	5.00	ug/Kg
67-66-3	Chloroform	21.6		0.84	4.00	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	21.4		0.93	2.50	5.00	ug/Kg
108-87-2	Methylcyclohexane	20.3		0.91	2.50	5.00	ug/Kg
71-43-2	Benzene	21.0		0.79	2.50	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	20.7		0.79	2.50	5.00	ug/Kg
79-01-6	Trichloroethene	20.7		0.81	2.50	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	21.1		0.91	2.50	5.00	ug/Kg
75-27-4	Bromodichloromethane	20.9		0.78	2.50	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	93.2		3.60	12.5	25.0	ug/Kg
108-88-3	Toluene	20.8		0.78	2.50	5.00	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	19.6		0.65	2.50	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	20.3		0.62	2.50	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	19.6		0.92	2.50	5.00	ug/Kg
591-78-6	2-Hexanone	93.0		3.70	12.5	25.0	ug/Kg
124-48-1	Dibromochloromethane	19.8		0.87	2.50	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	19.6		0.88	2.50	5.00	ug/Kg
127-18-4	Tetrachloroethene	22.2		1.10	2.50	5.00	ug/Kg
108-90-7	Chlorobenzene	20.4		0.91	2.50	5.00	ug/Kg
100-41-4	Ethyl Benzene	20.4		0.67	2.50	5.00	ug/Kg
179601-23-1	m/p-Xylenes	40.8		1.20	5.00	10.0	ug/Kg
95-47-6	o-Xylene	20.1		0.82	2.50	5.00	ug/Kg
100-42-5	Styrene	20.2		0.71	2.50	5.00	ug/Kg
75-25-2	Bromoform	19.0		0.86	2.50	5.00	ug/Kg
98-82-8	Isopropylbenzene	21.0		0.78	2.50	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	18.3		1.20	2.50	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	20.4		1.70	2.50	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	20.5		1.60	2.50	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	20.3		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	18.9		3.00	4.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	18.5		3.20	4.00	5.00	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	50.3		71 - 136		101%	SPK: 50
1868-53-7	Dibromofluoromethane	49.4		78 - 119		99%	SPK: 50
2037-26-5	Toluene-d8	50.0		85 - 116		100%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.9		79 - 119		96%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	478000	7.707				
540-36-3	1,4-Difluorobenzene	776000	8.609				
3114-55-4	Chlorobenzene-d5	676000	11.414				
3855-82-1	1,4-Dichlorobenzene-d4	325000	13.34				

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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