

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/05/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	17M-W	SDG No.:	Q2819
Lab Sample ID:	Q2819-14	Matrix:	SOIL
Level (low/med):	low	% Solid:	85.6

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	936		1	0.83	3.96	4.95	mg/Kg	08/12/25 12:55	08/13/25 16:10	6010D	SW3050
7440-36-0	Antimony	0.62	UN	1	0.22	0.62	2.48	mg/Kg	08/12/25 12:55	08/13/25 16:10	6010D	SW3050
7440-38-2	Arsenic	2.78	N	1	0.19	0.79	0.99	mg/Kg	08/12/25 12:55	08/13/25 16:10	6010D	SW3050
7440-39-3	Barium	2.44	J	1	0.72	1.24	4.95	mg/Kg	08/12/25 12:55	08/13/25 16:10	6010D	SW3050
7440-41-7	Beryllium	0.058	JN	1	0.025	0.074	0.30	mg/Kg	08/12/25 12:55	08/13/25 16:10	6010D	SW3050
7440-43-9	Cadmium	0.048	J	1	0.024	0.074	0.30	mg/Kg	08/12/25 12:55	08/13/25 16:10	6010D	SW3050
7440-70-2	Calcium	171		1	11.0	24.8	99.0	mg/Kg	08/12/25 12:55	08/13/25 16:10	6010D	SW3050
7440-47-3	Chromium	3.15	N	1	0.047	0.12	0.50	mg/Kg	08/12/25 12:55	08/13/25 16:10	6010D	SW3050
7440-48-4	Cobalt	0.37	J	1	0.099	0.37	1.49	mg/Kg	08/12/25 12:55	08/13/25 16:10	6010D	SW3050
7440-50-8	Copper	2.73		1	0.22	0.79	0.99	mg/Kg	08/12/25 12:55	08/13/25 16:10	6010D	SW3050
7439-89-6	Iron	1540	*	1	3.95	3.96	4.95	mg/Kg	08/12/25 12:55	08/13/25 16:10	6010D	SW3050
7439-92-1	Lead	4.67		1	0.13	0.48	0.59	mg/Kg	08/12/25 12:55	08/13/25 16:10	6010D	SW3050
7439-95-4	Magnesium	159		1	11.9	24.8	99.0	mg/Kg	08/12/25 12:55	08/13/25 16:10	6010D	SW3050
7439-96-5	Manganese	15.0		1	0.14	0.25	0.99	mg/Kg	08/12/25 12:55	08/13/25 16:10	6010D	SW3050
7439-97-6	Mercury	0.013	U	1	0.0090	0.013	0.016	mg/Kg	08/11/25 16:30	08/12/25 11:27	7471B	
7440-02-0	Nickel	1.08	J	1	0.13	0.50	1.98	mg/Kg	08/12/25 12:55	08/13/25 16:10	6010D	SW3050
7440-09-7	Potassium	73.1	JN	1	27.4	79.2	99.0	mg/Kg	08/12/25 12:55	08/13/25 16:10	6010D	SW3050
7782-49-2	Selenium	0.79	UN	1	0.26	0.79	0.99	mg/Kg	08/12/25 12:55	08/13/25 16:10	6010D	SW3050
7440-22-4	Silver	0.25	UN	1	0.12	0.25	0.50	mg/Kg	08/12/25 12:55	08/13/25 16:10	6010D	SW3050
7440-23-5	Sodium	36.7	J	1	17.6	79.2	99.0	mg/Kg	08/12/25 12:55	08/13/25 16:10	6010D	SW3050
7440-28-0	Thallium	0.99	UN	1	0.23	0.99	1.98	mg/Kg	08/12/25 12:55	08/13/25 16:10	6010D	SW3050
7440-62-2	Vanadium	2.33	N*	1	0.25	0.99	1.98	mg/Kg	08/12/25 12:55	08/13/25 16:10	6010D	SW3050
7440-66-6	Zinc	11.9		1	0.23	0.50	1.98	mg/Kg	08/12/25 12:55	08/13/25 16:10	6010D	SW3050

Color Before:	Brown	Clarity Before:	Texture:	Medium
Color After:	Yellow	Clarity After:	Artifacts:	
Comments:	METALS-TAL			

U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 D = Dilution
 Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
 B = Analyte Found in Associated Method Blank
 * = indicates the duplicate analysis is not within control limits.
 E = Indicates the reported value is estimated because of the presence of interference.
 OR = Over Range
 N = Spiked sample recovery not within control limits