

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/05/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	11M-S	SDG No.:	Q2819
Lab Sample ID:	Q2819-06	Matrix:	SOIL
Level (low/med):	low	% Solid:	90.5

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	1930		1	0.80	3.81	4.76	mg/Kg	08/12/25 12:55	08/13/25 16:02	6010D	SW3050
7440-36-0	Antimony	0.60	UN	1	0.21	0.60	2.38	mg/Kg	08/12/25 12:55	08/13/25 16:02	6010D	SW3050
7440-38-2	Arsenic	1.41	N	1	0.18	0.76	0.95	mg/Kg	08/12/25 12:55	08/13/25 16:02	6010D	SW3050
7440-39-3	Barium	7.85		1	0.70	1.19	4.76	mg/Kg	08/12/25 12:55	08/13/25 16:02	6010D	SW3050
7440-41-7	Beryllium	0.13	JN	1	0.024	0.071	0.29	mg/Kg	08/12/25 12:55	08/13/25 16:02	6010D	SW3050
7440-43-9	Cadmium	0.082	J	1	0.023	0.071	0.29	mg/Kg	08/12/25 12:55	08/13/25 16:02	6010D	SW3050
7440-70-2	Calcium	174		1	10.6	23.8	95.3	mg/Kg	08/12/25 12:55	08/13/25 16:02	6010D	SW3050
7440-47-3	Chromium	5.24	N	1	0.045	0.12	0.48	mg/Kg	08/12/25 12:55	08/13/25 16:02	6010D	SW3050
7440-48-4	Cobalt	0.76	J	1	0.095	0.36	1.43	mg/Kg	08/12/25 12:55	08/13/25 16:02	6010D	SW3050
7440-50-8	Copper	2.19		1	0.21	0.76	0.95	mg/Kg	08/12/25 12:55	08/13/25 16:02	6010D	SW3050
7439-89-6	Iron	2860	*	1	3.80	3.81	4.76	mg/Kg	08/12/25 12:55	08/13/25 16:02	6010D	SW3050
7439-92-1	Lead	16.2		1	0.12	0.46	0.57	mg/Kg	08/12/25 12:55	08/13/25 16:02	6010D	SW3050
7439-95-4	Magnesium	311		1	11.4	23.8	95.3	mg/Kg	08/12/25 12:55	08/13/25 16:02	6010D	SW3050
7439-96-5	Manganese	36.8		1	0.13	0.24	0.95	mg/Kg	08/12/25 12:55	08/13/25 16:02	6010D	SW3050
7439-97-6	Mercury	0.011	U	1	0.0080	0.011	0.014	mg/Kg	08/11/25 16:30	08/12/25 11:08	7471B	
7440-02-0	Nickel	1.71	J	1	0.12	0.48	1.91	mg/Kg	08/12/25 12:55	08/13/25 16:02	6010D	SW3050
7440-09-7	Potassium	124	N	1	26.4	76.2	95.3	mg/Kg	08/12/25 12:55	08/13/25 16:02	6010D	SW3050
7782-49-2	Selenium	0.76	UN	1	0.25	0.76	0.95	mg/Kg	08/12/25 12:55	08/13/25 16:02	6010D	SW3050
7440-22-4	Silver	0.13	JN	1	0.11	0.24	0.48	mg/Kg	08/12/25 12:55	08/13/25 16:02	6010D	SW3050
7440-23-5	Sodium	44.2	J	1	17.0	76.2	95.3	mg/Kg	08/12/25 12:55	08/13/25 16:02	6010D	SW3050
7440-28-0	Thallium	0.95	UN	1	0.22	0.95	1.91	mg/Kg	08/12/25 12:55	08/13/25 16:02	6010D	SW3050
7440-62-2	Vanadium	4.22	N*	1	0.24	0.95	1.91	mg/Kg	08/12/25 12:55	08/13/25 16:02	6010D	SW3050
7440-66-6	Zinc	8.80		1	0.22	0.48	1.91	mg/Kg	08/12/25 12:55	08/13/25 16:02	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