

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	22M-S	SDG No.:	Q2820
Lab Sample ID:	Q2820-24	Matrix:	SOIL
Level (low/med):	low	% Solid:	89

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	552		1	0.84	4.01	5.02	mg/Kg	08/12/25 12:55	08/13/25 16:31	6010D	SW3050
7440-36-0	Antimony	0.63	UN	1	0.22	0.63	2.51	mg/Kg	08/12/25 12:55	08/13/25 16:31	6010D	SW3050
7440-38-2	Arsenic	0.50	JN	1	0.19	0.80	1.00	mg/Kg	08/12/25 12:55	08/13/25 16:31	6010D	SW3050
7440-39-3	Barium	1.70	J	1	0.73	1.25	5.02	mg/Kg	08/12/25 12:55	08/13/25 16:31	6010D	SW3050
7440-41-7	Beryllium	0.071	JN	1	0.025	0.075	0.30	mg/Kg	08/12/25 12:55	08/13/25 16:31	6010D	SW3050
7440-43-9	Cadmium	0.075	J	1	0.024	0.075	0.30	mg/Kg	08/12/25 12:55	08/13/25 16:31	6010D	SW3050
7440-70-2	Calcium	57.4	J	1	11.1	25.1	100	mg/Kg	08/12/25 12:55	08/13/25 16:31	6010D	SW3050
7440-47-3	Chromium	2.47	N	1	0.047	0.13	0.50	mg/Kg	08/12/25 12:55	08/13/25 16:31	6010D	SW3050
7440-48-4	Cobalt	0.36	J	1	0.10	0.38	1.50	mg/Kg	08/12/25 12:55	08/13/25 16:31	6010D	SW3050
7440-50-8	Copper	2.56		1	0.22	0.80	1.00	mg/Kg	08/12/25 12:55	08/13/25 16:31	6010D	SW3050
7439-89-6	Iron	1120	*	1	4.00	4.01	5.02	mg/Kg	08/12/25 12:55	08/13/25 16:31	6010D	SW3050
7439-92-1	Lead	1.22		1	0.13	0.48	0.60	mg/Kg	08/12/25 12:55	08/13/25 16:31	6010D	SW3050
7439-95-4	Magnesium	148		1	12.0	25.1	100	mg/Kg	08/12/25 12:55	08/13/25 16:31	6010D	SW3050
7439-96-5	Manganese	5.78		1	0.14	0.25	1.00	mg/Kg	08/12/25 12:55	08/13/25 16:31	6010D	SW3050
7439-97-6	Mercury	0.012	U	1	0.0090	0.012	0.015	mg/Kg	08/11/25 16:30	08/12/25 11:34	7471B	
7440-02-0	Nickel	1.13	J	1	0.13	0.50	2.01	mg/Kg	08/12/25 12:55	08/13/25 16:31	6010D	SW3050
7440-09-7	Potassium	69.4	JN	1	27.8	80.3	100	mg/Kg	08/12/25 12:55	08/13/25 16:31	6010D	SW3050
7782-49-2	Selenium	0.80	UN	1	0.26	0.80	1.00	mg/Kg	08/12/25 12:55	08/13/25 16:31	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 16:31	6010D	SW3050
7440-23-5	Sodium	29.3	J	1	17.9	80.3	100	mg/Kg	08/12/25 12:55	08/13/25 16:31	6010D	SW3050
7440-28-0	Thallium	1.00	UN	1	0.23	1.00	2.01	mg/Kg	08/12/25 12:55	08/13/25 16:31	6010D	SW3050
7440-62-2	Vanadium	1.24	JN*	1	0.25	1.00	2.01	mg/Kg	08/12/25 12:55	08/13/25 16:31	6010D	SW3050
7440-66-6	Zinc	7.43		1	0.23	0.50	2.01	mg/Kg	08/12/25 12:55	08/13/25 16:31	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