

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/05/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	84SB-W	SDG No.:	Q2819
Lab Sample ID:	Q2819-11	Matrix:	SOIL
Level (low/med):	low	% Solid:	86.8

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	1440		1	0.82	3.89	4.86	mg/Kg	08/12/25 12:55	08/13/25 16:06	6010D	SW3050
7440-36-0	Antimony	0.61	UN	1	0.21	0.61	2.43	mg/Kg	08/12/25 12:55	08/13/25 16:06	6010D	SW3050
7440-38-2	Arsenic	3.43	N	1	0.19	0.78	0.97	mg/Kg	08/12/25 12:55	08/13/25 16:06	6010D	SW3050
7440-39-3	Barium	8.37		1	0.71	1.22	4.86	mg/Kg	08/12/25 12:55	08/13/25 16:06	6010D	SW3050
7440-41-7	Beryllium	0.28	JN	1	0.024	0.073	0.29	mg/Kg	08/12/25 12:55	08/13/25 16:06	6010D	SW3050
7440-43-9	Cadmium	0.14	J	1	0.023	0.073	0.29	mg/Kg	08/12/25 12:55	08/13/25 16:06	6010D	SW3050
7440-70-2	Calcium	5360		1	10.8	24.3	97.2	mg/Kg	08/12/25 12:55	08/13/25 16:06	6010D	SW3050
7440-47-3	Chromium	4.09	N	1	0.046	0.12	0.49	mg/Kg	08/12/25 12:55	08/13/25 16:06	6010D	SW3050
7440-48-4	Cobalt	0.91	J	1	0.097	0.37	1.46	mg/Kg	08/12/25 12:55	08/13/25 16:06	6010D	SW3050
7440-50-8	Copper	6.23		1	0.21	0.78	0.97	mg/Kg	08/12/25 12:55	08/13/25 16:06	6010D	SW3050
7439-89-6	Iron	3500	*	1	3.88	3.89	4.86	mg/Kg	08/12/25 12:55	08/13/25 16:06	6010D	SW3050
7439-92-1	Lead	22.7		1	0.13	0.47	0.58	mg/Kg	08/12/25 12:55	08/13/25 16:06	6010D	SW3050
7439-95-4	Magnesium	2580		1	11.7	24.3	97.2	mg/Kg	08/12/25 12:55	08/13/25 16:06	6010D	SW3050
7439-96-5	Manganese	29.6		1	0.14	0.24	0.97	mg/Kg	08/12/25 12:55	08/13/25 16:06	6010D	SW3050
7439-97-6	Mercury	0.065		1	0.0080	0.012	0.014	mg/Kg	08/11/25 16:30	08/12/25 11:25	7471B	
7440-02-0	Nickel	2.42		1	0.13	0.49	1.94	mg/Kg	08/12/25 12:55	08/13/25 16:06	6010D	SW3050
7440-09-7	Potassium	139	N	1	26.9	77.8	97.2	mg/Kg	08/12/25 12:55	08/13/25 16:06	6010D	SW3050
7782-49-2	Selenium	0.78	UN	1	0.25	0.78	0.97	mg/Kg	08/12/25 12:55	08/13/25 16:06	6010D	SW3050
7440-22-4	Silver	0.15	JN	1	0.12	0.24	0.49	mg/Kg	08/12/25 12:55	08/13/25 16:06	6010D	SW3050
7440-23-5	Sodium	91.1	J	1	17.3	77.8	97.2	mg/Kg	08/12/25 12:55	08/13/25 16:06	6010D	SW3050
7440-28-0	Thallium	0.97	UN	1	0.22	0.97	1.94	mg/Kg	08/12/25 12:55	08/13/25 16:06	6010D	SW3050
7440-62-2	Vanadium	4.31	N*	1	0.24	0.97	1.94	mg/Kg	08/12/25 12:55	08/13/25 16:06	6010D	SW3050
7440-66-6	Zinc	21.5		1	0.22	0.49	1.94	mg/Kg	08/12/25 12:55	08/13/25 16:06	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