

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	SOIL-DUP-2	SDG No.:	Q2820
Lab Sample ID:	Q2820-10	Matrix:	SOIL
Level (low/med):	low	% Solid:	48.4

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	4210		1	1.60	7.62	9.52	mg/Kg	08/12/25 12:55	08/13/25 16:27	6010D	SW3050
7440-36-0	Antimony	1.19	UN	1	0.42	1.19	4.76	mg/Kg	08/12/25 12:55	08/13/25 16:27	6010D	SW3050
7440-38-2	Arsenic	4.37	N	1	0.36	1.52	1.90	mg/Kg	08/12/25 12:55	08/13/25 16:27	6010D	SW3050
7440-39-3	Barium	9.43	J	1	1.39	2.38	9.52	mg/Kg	08/12/25 12:55	08/13/25 16:27	6010D	SW3050
7440-41-7	Beryllium	0.26	JN	1	0.048	0.14	0.57	mg/Kg	08/12/25 12:55	08/13/25 16:27	6010D	SW3050
7440-43-9	Cadmium	0.26	J	1	0.046	0.14	0.57	mg/Kg	08/12/25 12:55	08/13/25 16:27	6010D	SW3050
7440-70-2	Calcium	1620		1	21.1	47.6	190	mg/Kg	08/12/25 12:55	08/13/25 16:27	6010D	SW3050
7440-47-3	Chromium	14.3	N	1	0.089	0.24	0.95	mg/Kg	08/12/25 12:55	08/13/25 16:27	6010D	SW3050
7440-48-4	Cobalt	1.99	J	1	0.19	0.71	2.86	mg/Kg	08/12/25 12:55	08/13/25 16:27	6010D	SW3050
7440-50-8	Copper	4.06		1	0.42	1.52	1.90	mg/Kg	08/12/25 12:55	08/13/25 16:27	6010D	SW3050
7439-89-6	Iron	7050	*	1	7.60	7.62	9.52	mg/Kg	08/12/25 12:55	08/13/25 16:27	6010D	SW3050
7439-92-1	Lead	6.97		1	0.25	0.91	1.14	mg/Kg	08/12/25 12:55	08/13/25 16:27	6010D	SW3050
7439-95-4	Magnesium	1660		1	22.9	47.6	190	mg/Kg	08/12/25 12:55	08/13/25 16:27	6010D	SW3050
7439-96-5	Manganese	28.4		1	0.27	0.48	1.90	mg/Kg	08/12/25 12:55	08/13/25 16:27	6010D	SW3050
7439-97-6	Mercury	0.023	U	1	0.016	0.023	0.028	mg/Kg	08/11/25 16:30	08/12/25 11:31	7471B	
7440-02-0	Nickel	4.79		1	0.25	0.95	3.81	mg/Kg	08/12/25 12:55	08/13/25 16:27	6010D	SW3050
7440-09-7	Potassium	1060	N	1	52.7	152	190	mg/Kg	08/12/25 12:55	08/13/25 16:27	6010D	SW3050
7782-49-2	Selenium	0.56	JN	1	0.50	1.52	1.90	mg/Kg	08/12/25 12:55	08/13/25 16:27	6010D	SW3050
7440-22-4	Silver	0.32	JN	1	0.23	0.48	0.95	mg/Kg	08/12/25 12:55	08/13/25 16:27	6010D	SW3050
7440-23-5	Sodium	2440		1	33.9	152	190	mg/Kg	08/12/25 12:55	08/13/25 16:27	6010D	SW3050
7440-28-0	Thallium	1.90	UN	1	0.44	1.90	3.81	mg/Kg	08/12/25 12:55	08/13/25 16:27	6010D	SW3050
7440-62-2	Vanadium	22.0	N*	1	0.48	1.90	3.81	mg/Kg	08/12/25 12:55	08/13/25 16:27	6010D	SW3050
7440-66-6	Zinc	11.1		1	0.44	0.95	3.81	mg/Kg	08/12/25 12:55	08/13/25 16:27	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