

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/07/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	705R-S	SDG No.:	Q2820
Lab Sample ID:	Q2820-09	Matrix:	SOIL
Level (low/med):	low	% Solid:	55.8

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	4860		1	1.34	6.37	7.96	mg/Kg	08/12/25 12:55	08/13/25 16:23	6010D	SW3050
7440-36-0	Antimony	1.00	UN	1	0.35	1.00	3.98	mg/Kg	08/12/25 12:55	08/13/25 16:23	6010D	SW3050
7440-38-2	Arsenic	5.01	N	1	0.30	1.27	1.59	mg/Kg	08/12/25 12:55	08/13/25 16:23	6010D	SW3050
7440-39-3	Barium	8.76		1	1.16	1.99	7.96	mg/Kg	08/12/25 12:55	08/13/25 16:23	6010D	SW3050
7440-41-7	Beryllium	0.35	JN	1	0.040	0.12	0.48	mg/Kg	08/12/25 12:55	08/13/25 16:23	6010D	SW3050
7440-43-9	Cadmium	0.56		1	0.038	0.12	0.48	mg/Kg	08/12/25 12:55	08/13/25 16:23	6010D	SW3050
7440-70-2	Calcium	1230		1	17.7	39.8	159	mg/Kg	08/12/25 12:55	08/13/25 16:23	6010D	SW3050
7440-47-3	Chromium	11.5	N	1	0.075	0.20	0.80	mg/Kg	08/12/25 12:55	08/13/25 16:23	6010D	SW3050
7440-48-4	Cobalt	9.29		1	0.16	0.60	2.39	mg/Kg	08/12/25 12:55	08/13/25 16:23	6010D	SW3050
7440-50-8	Copper	6.51		1	0.35	1.27	1.59	mg/Kg	08/12/25 12:55	08/13/25 16:23	6010D	SW3050
7439-89-6	Iron	10400	*	1	6.36	6.37	7.96	mg/Kg	08/12/25 12:55	08/13/25 16:23	6010D	SW3050
7439-92-1	Lead	8.38		1	0.21	0.77	0.96	mg/Kg	08/12/25 12:55	08/13/25 16:23	6010D	SW3050
7439-95-4	Magnesium	1500		1	19.1	39.8	159	mg/Kg	08/12/25 12:55	08/13/25 16:23	6010D	SW3050
7439-96-5	Manganese	45.6		1	0.22	0.40	1.59	mg/Kg	08/12/25 12:55	08/13/25 16:23	6010D	SW3050
7439-97-6	Mercury	0.019	U	1	0.013	0.019	0.023	mg/Kg	08/11/25 16:30	08/12/25 11:29	7471B	
7440-02-0	Nickel	10.0		1	0.21	0.80	3.19	mg/Kg	08/12/25 12:55	08/13/25 16:23	6010D	SW3050
7440-09-7	Potassium	721	N	1	44.1	127	159	mg/Kg	08/12/25 12:55	08/13/25 16:23	6010D	SW3050
7782-49-2	Selenium	0.62	JN	1	0.41	1.27	1.59	mg/Kg	08/12/25 12:55	08/13/25 16:23	6010D	SW3050
7440-22-4	Silver	0.44	JN	1	0.19	0.40	0.80	mg/Kg	08/12/25 12:55	08/13/25 16:23	6010D	SW3050
7440-23-5	Sodium	1540		1	28.4	127	159	mg/Kg	08/12/25 12:55	08/13/25 16:23	6010D	SW3050
7440-28-0	Thallium	1.59	UN	1	0.37	1.59	3.19	mg/Kg	08/12/25 12:55	08/13/25 16:23	6010D	SW3050
7440-62-2	Vanadium	16.7	N*	1	0.40	1.59	3.19	mg/Kg	08/12/25 12:55	08/13/25 16:23	6010D	SW3050
7440-66-6	Zinc	24.9		1	0.37	0.80	3.19	mg/Kg	08/12/25 12:55	08/13/25 16:23	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