

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/05/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-84SB-E	SDG No.:	Q2814
Lab Sample ID:	Q2814-01	Matrix:	Water
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	461		1	5.67	40.0	50.0	ug/L	08/13/25 10:30	08/14/25 15:02	6010D	SW3010
7440-36-0	Antimony	6.25	UN	1	3.38	6.25	25.0	ug/L	08/13/25 10:30	08/14/25 15:02	6010D	SW3010
7440-38-2	Arsenic	7.50	U	1	2.56	7.50	10.0	ug/L	08/13/25 10:30	08/14/25 15:02	6010D	SW3010
7440-39-3	Barium	31.3	JN	1	7.28	12.5	50.0	ug/L	08/13/25 10:30	08/14/25 15:02	6010D	SW3010
7440-41-7	Beryllium	0.75	UN	1	0.28	0.75	3.00	ug/L	08/13/25 10:30	08/14/25 15:02	6010D	SW3010
7440-43-9	Cadmium	0.75	U	1	0.25	0.75	3.00	ug/L	08/13/25 10:30	08/14/25 15:02	6010D	SW3010
7440-70-2	Calcium	20500		1	117	250	1000	ug/L	08/13/25 10:30	08/14/25 15:02	6010D	SW3010
7440-47-3	Chromium	1.87	J	1	1.06	2.50	5.00	ug/L	08/13/25 10:30	08/14/25 15:02	6010D	SW3010
7440-48-4	Cobalt	3.75	U	1	1.13	3.75	15.0	ug/L	08/13/25 10:30	08/14/25 15:02	6010D	SW3010
7440-50-8	Copper	3.36	J	1	2.30	8.00	10.0	ug/L	08/13/25 10:30	08/14/25 15:02	6010D	SW3010
7439-89-6	Iron	1040		1	11.7	40.0	50.0	ug/L	08/13/25 10:30	08/14/25 15:02	6010D	SW3010
7439-92-1	Lead	3.82	J	1	1.15	4.80	6.00	ug/L	08/13/25 10:30	08/14/25 15:02	6010D	SW3010
7439-95-4	Magnesium	11500		1	122	250	1000	ug/L	08/13/25 10:30	08/14/25 15:02	6010D	SW3010
7439-96-5	Manganese	19.4		1	2.97	7.50	10.0	ug/L	08/13/25 10:30	08/14/25 15:02	6010D	SW3010
7439-97-6	Mercury	0.16	U	1	0.076	0.16	0.20	ug/L	08/12/25 11:30	08/12/25 14:50	7470A	
7440-02-0	Nickel	5.00	U	1	1.53	5.00	20.0	ug/L	08/13/25 10:30	08/14/25 15:02	6010D	SW3010
7440-09-7	Potassium	13600		1	459	800	1000	ug/L	08/13/25 10:30	08/14/25 15:02	6010D	SW3010
7782-49-2	Selenium	8.00	U	1	4.82	8.00	10.0	ug/L	08/13/25 10:30	08/14/25 15:02	6010D	SW3010
7440-22-4	Silver	2.50	U	1	0.81	2.50	5.00	ug/L	08/13/25 10:30	08/14/25 15:02	6010D	SW3010
7440-23-5	Sodium	65600		1	434	500	1000	ug/L	08/13/25 10:30	08/14/25 15:02	6010D	SW3010
7440-28-0	Thallium	10.0	U	1	2.19	10.0	20.0	ug/L	08/13/25 10:30	08/14/25 15:02	6010D	SW3010
7440-62-2	Vanadium	10.0	U	1	3.13	10.0	20.0	ug/L	08/13/25 10:30	08/14/25 15:02	6010D	SW3010
7440-66-6	Zinc	16.4	JN	1	8.33	7.50	20.0	ug/L	08/13/25 10:30	08/14/25 15:02	6010D	SW3010

Color Before:	Colorless	Clarity Before:	Clear	Texture:
Color After:	Colorless	Clarity After:	Clear	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