

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/04/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/04/25
Client Sample ID:	ENV-104-GW01	SDG No.:	Q1488
Lab Sample ID:	Q1488-14	Matrix:	Water
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	31000		1	28.3	50.0	ug/L	03/06/25 08:50	03/13/25 14:07	SW6010	SW3010
7440-36-0	Antimony	4.27	J	1	2.06	25.0	ug/L	03/06/25 08:50	03/13/25 14:07	SW6010	SW3010
7440-38-2	Arsenic	57.5		1	3.48	10.0	ug/L	03/06/25 08:50	03/13/25 14:07	SW6010	SW3010
7440-39-3	Barium	221		1	6.28	50.0	ug/L	03/06/25 08:50	03/13/25 14:07	SW6010	SW3010
7440-41-7	Beryllium	2.09	J	1	0.13	3.00	ug/L	03/06/25 08:50	03/13/25 14:07	SW6010	SW3010
7440-43-9	Cadmium	1.29	J	1	0.094	3.00	ug/L	03/06/25 08:50	03/13/25 14:07	SW6010	SW3010
7440-70-2	Calcium	36000		1	33.0	1000	ug/L	03/06/25 08:50	03/13/25 14:07	SW6010	SW3010
7440-47-3	Chromium	69.1		1	0.66	5.00	ug/L	03/06/25 08:50	03/13/25 14:07	SW6010	SW3010
7440-48-4	Cobalt	28.0		1	0.50	15.0	ug/L	03/06/25 08:50	03/13/25 14:07	SW6010	SW3010
7440-50-8	Copper	12100		1	7.07	10.0	ug/L	03/06/25 08:50	03/13/25 14:07	SW6010	SW3010
7439-89-6	Iron	75000		1	18.5	50.0	ug/L	03/06/25 08:50	03/13/25 14:07	SW6010	SW3010
7439-92-1	Lead	954		1	3.51	6.00	ug/L	03/06/25 08:50	03/13/25 14:07	SW6010	SW3010
7439-95-4	Magnesium	9520		1	39.4	1000	ug/L	03/06/25 08:50	03/13/25 14:07	SW6010	SW3010
7439-96-5	Manganese	3820		1	1.46	10.0	ug/L	03/06/25 08:50	03/13/25 14:07	SW6010	SW3010
7439-97-6	Mercury	0.49		1	0.081	0.20	ug/L	03/05/25 09:50	03/05/25 12:28	SW7470A	
7440-02-0	Nickel	97.2		1	0.85	20.0	ug/L	03/06/25 08:50	03/13/25 14:07	SW6010	SW3010
7440-09-7	Potassium	8280		1	685	1000	ug/L	03/06/25 08:50	03/13/25 14:07	SW6010	SW3010
7782-49-2	Selenium	5.88	U	1	5.88	10.0	ug/L	03/06/25 08:50	03/13/25 14:07	SW6010	SW3010
7440-22-4	Silver	3.81	JN	1	0.58	5.00	ug/L	03/06/25 08:50	03/13/25 14:07	SW6010	SW3010
7440-23-5	Sodium	14000		1	237	1000	ug/L	03/06/25 08:50	03/13/25 14:07	SW6010	SW3010
7440-28-0	Thallium	3.69	J	1	2.32	20.0	ug/L	03/06/25 08:50	03/13/25 14:07	SW6010	SW3010
7440-62-2	Vanadium	67.5		1	3.06	20.0	ug/L	03/06/25 08:50	03/13/25 14:07	SW6010	SW3010
7440-66-6	Zinc	1760		1	1.75	20.0	ug/L	03/06/25 08:50	03/13/25 14:07	SW6010	SW3010

Color Before:	Brown	Clarity Before:	Cloudy	Texture:
Color After:	Brown	Clarity After:	Cloudy	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