

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	02/22/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	02/24/25
Client Sample ID:	B-173-GW01	SDG No.:	Q1415
Lab Sample ID:	Q1415-06	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	42100		1	56.6	100	ug/L	02/25/25 09:10	03/11/25 14:43	SW6010	SW3010
7440-36-0	Antimony	4.12	UN	1	4.12	50.0	ug/L	02/25/25 09:10	03/11/25 14:43	SW6010	SW3010
7440-38-2	Arsenic	16.1	J	1	6.96	20.0	ug/L	02/25/25 09:10	03/11/25 14:43	SW6010	SW3010
7440-39-3	Barium	508		1	12.6	100	ug/L	02/25/25 09:10	03/11/25 14:43	SW6010	SW3010
7440-41-7	Beryllium	3.13	J	1	0.26	6.00	ug/L	02/25/25 09:10	03/11/25 14:43	SW6010	SW3010
7440-43-9	Cadmium	0.19	U	1	0.19	6.00	ug/L	02/25/25 09:10	03/11/25 14:43	SW6010	SW3010
7440-70-2	Calcium	99700		1	66.0	2000	ug/L	02/25/25 09:10	03/11/25 14:43	SW6010	SW3010
7440-47-3	Chromium	187		1	1.32	10.0	ug/L	02/25/25 09:10	03/11/25 14:43	SW6010	SW3010
7440-48-4	Cobalt	40.0		1	1.00	30.0	ug/L	02/25/25 09:10	03/11/25 14:43	SW6010	SW3010
7440-50-8	Copper	290		1	14.1	20.0	ug/L	02/25/25 09:10	03/11/25 14:43	SW6010	SW3010
7439-89-6	Iron	77800		1	37.0	100	ug/L	02/25/25 09:10	03/11/25 14:43	SW6010	SW3010
7439-92-1	Lead	116		1	7.02	12.0	ug/L	02/25/25 09:10	03/11/25 14:43	SW6010	SW3010
7439-95-4	Magnesium	68300		1	78.8	2000	ug/L	02/25/25 09:10	03/11/25 14:43	SW6010	SW3010
7439-96-5	Manganese	2580		1	2.92	20.0	ug/L	02/25/25 09:10	03/11/25 14:43	SW6010	SW3010
7439-97-6	Mercury	1.10		1	0.081	0.20	ug/L	02/25/25 13:10	02/26/25 09:22	SW7470A	
7440-02-0	Nickel	130		1	1.70	40.0	ug/L	02/25/25 09:10	03/11/25 14:43	SW6010	SW3010
7440-09-7	Potassium	50900		1	1370	2000	ug/L	02/25/25 09:10	03/11/25 14:43	SW6010	SW3010
7782-49-2	Selenium	11.8	U	1	11.8	20.0	ug/L	02/25/25 09:10	03/11/25 14:43	SW6010	SW3010
7440-22-4	Silver	1.16	U	1	1.16	10.0	ug/L	02/25/25 09:10	03/11/25 14:43	SW6010	SW3010
7440-23-5	Sodium	525000		1	474	2000	ug/L	02/25/25 09:10	03/11/25 14:43	SW6010	SW3010
7440-28-0	Thallium	4.64	U	1	4.64	40.0	ug/L	02/25/25 09:10	03/11/25 14:43	SW6010	SW3010
7440-62-2	Vanadium	96.3		1	6.12	40.0	ug/L	02/25/25 09:10	03/11/25 14:43	SW6010	SW3010
7440-66-6	Zinc	323		1	3.50	40.0	ug/L	02/25/25 09:10	03/11/25 14:43	SW6010	SW3010

Color Before:	Brown	Clarity Before:	Clear	Texture:
Color After:	Light Brown	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