

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/18/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/18/24
Client Sample ID:	WB-303-SW	SDG No.:	P4460
Lab Sample ID:	P4460-06	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	426	N	1	28.3	50.0	ug/L	10/23/24 10:00	10/24/24 19:00	SW6010	SW3010
7440-36-0	Antimony	3.58	JN	1	2.06	25.0	ug/L	10/23/24 10:00	10/24/24 19:00	SW6010	SW3010
7440-38-2	Arsenic	3.48	UN	1	3.48	10.0	ug/L	10/23/24 10:00	10/24/24 19:00	SW6010	SW3010
7440-39-3	Barium	28.9	J	1	6.28	50.0	ug/L	10/23/24 10:00	10/24/24 19:00	SW6010	SW3010
7440-41-7	Beryllium	0.13	U	1	0.13	3.00	ug/L	10/23/24 10:00	10/24/24 19:00	SW6010	SW3010
7440-43-9	Cadmium	0.094	U	1	0.094	3.00	ug/L	10/23/24 10:00	10/24/24 19:00	SW6010	SW3010
7440-70-2	Calcium	201000		1	33.0	1000	ug/L	10/23/24 10:00	10/24/24 19:00	SW6010	SW3010
7440-47-3	Chromium	2.34	J	1	0.66	5.00	ug/L	10/23/24 10:00	10/24/24 19:00	SW6010	SW3010
7440-48-4	Cobalt	0.50	U	1	0.50	15.0	ug/L	10/23/24 10:00	10/24/24 19:00	SW6010	SW3010
7440-50-8	Copper	7.07	U	1	7.07	10.0	ug/L	10/23/24 10:00	10/24/24 19:00	SW6010	SW3010
7439-89-6	Iron	574		1	18.5	50.0	ug/L	10/23/24 10:00	10/24/24 19:00	SW6010	SW3010
7439-92-1	Lead	3.51	U	1	3.51	6.00	ug/L	10/23/24 10:00	10/24/24 19:00	SW6010	SW3010
7439-95-4	Magnesium	704000		1	39.4	1000	ug/L	10/23/24 10:00	10/24/24 19:00	SW6010	SW3010
7439-96-5	Manganese	68.4		1	1.46	10.0	ug/L	10/23/24 10:00	10/24/24 19:00	SW6010	SW3010
7439-97-6	Mercury	0.081	UN	1	0.081	0.20	ug/L	10/24/24 15:05	10/25/24 12:54	SW7470A	
7440-02-0	Nickel	1.58	J	1	0.85	20.0	ug/L	10/23/24 10:00	10/24/24 19:00	SW6010	SW3010
7440-09-7	Potassium	468000		1	685	1000	ug/L	10/23/24 10:00	10/24/24 19:00	SW6010	SW3010
7782-49-2	Selenium	5.88	UN	1	5.88	10.0	ug/L	10/23/24 10:00	10/24/24 19:00	SW6010	SW3010
7440-22-4	Silver	0.58	UN	1	0.58	5.00	ug/L	10/23/24 10:00	10/24/24 19:00	SW6010	SW3010
7440-23-5	Sodium	6160000	D	25	5930	25000	ug/L	10/23/24 10:00	11/01/24 18:05	SW6010	SW3010
7440-28-0	Thallium	2.32	U	1	2.32	20.0	ug/L	10/23/24 10:00	10/24/24 19:00	SW6010	SW3010
7440-62-2	Vanadium	3.06	U	1	3.06	20.0	ug/L	10/23/24 10:00	10/24/24 19:00	SW6010	SW3010
7440-66-6	Zinc	19.8	JN	1	1.75	20.0	ug/L	10/23/24 10:00	10/24/24 19:00	SW6010	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