

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/25/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/25/24
Client Sample ID:	WB-305-SW-1	SDG No.:	P4578
Lab Sample ID:	P4578-02	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	90.3		1	28.3	50.0	ug/L	10/26/24 09:40	10/29/24 17:20	SW6010	SW3010
7440-36-0	Antimony	2.06	U	1	2.06	25.0	ug/L	10/26/24 09:40	10/29/24 17:20	SW6010	SW3010
7440-38-2	Arsenic	3.48	U	1	3.48	10.0	ug/L	10/26/24 09:40	10/29/24 17:20	SW6010	SW3010
7440-39-3	Barium	30.7	J	1	6.28	50.0	ug/L	10/26/24 09:40	10/29/24 17:20	SW6010	SW3010
7440-41-7	Beryllium	0.13	U	1	0.13	3.00	ug/L	10/26/24 09:40	10/29/24 17:20	SW6010	SW3010
7440-43-9	Cadmium	0.094	U	1	0.094	3.00	ug/L	10/26/24 09:40	10/29/24 17:20	SW6010	SW3010
7440-70-2	Calcium	169000		1	33.0	1000	ug/L	10/26/24 09:40	10/29/24 17:20	SW6010	SW3010
7440-47-3	Chromium	5.82		1	0.66	5.00	ug/L	10/26/24 09:40	10/29/24 17:20	SW6010	SW3010
7440-48-4	Cobalt	0.50	U	1	0.50	15.0	ug/L	10/26/24 09:40	10/29/24 17:20	SW6010	SW3010
7440-50-8	Copper	7.07	U	1	7.07	10.0	ug/L	10/26/24 09:40	10/29/24 17:20	SW6010	SW3010
7439-89-6	Iron	387		1	18.5	50.0	ug/L	10/26/24 09:40	10/29/24 17:20	SW6010	SW3010
7439-92-1	Lead	3.51	U	1	3.51	6.00	ug/L	10/26/24 09:40	10/29/24 17:20	SW6010	SW3010
7439-95-4	Magnesium	432000		1	39.4	1000	ug/L	10/26/24 09:40	10/29/24 17:20	SW6010	SW3010
7439-96-5	Manganese	67.9		1	1.46	10.0	ug/L	10/26/24 09:40	10/29/24 17:20	SW6010	SW3010
7439-97-6	Mercury	0.081	U	1	0.081	0.20	ug/L	10/25/24 08:10	10/28/24 12:02	SW7470A	
7440-02-0	Nickel	5.34	J	1	0.85	20.0	ug/L	10/26/24 09:40	10/29/24 17:20	SW6010	SW3010
7440-09-7	Potassium	200000		1	685	1000	ug/L	10/26/24 09:40	10/29/24 17:20	SW6010	SW3010
7782-49-2	Selenium	5.88	U	1	5.88	10.0	ug/L	10/26/24 09:40	10/29/24 17:20	SW6010	SW3010
7440-22-4	Silver	0.58	UN	1	0.58	5.00	ug/L	10/26/24 09:40	10/29/24 17:20	SW6010	SW3010
7440-23-5	Sodium	3960000	D	5	1190	5000	ug/L	10/26/24 09:40	10/29/24 18:02	SW6010	SW3010
7440-28-0	Thallium	2.32	U	1	2.32	20.0	ug/L	10/26/24 09:40	10/29/24 17:20	SW6010	SW3010
7440-62-2	Vanadium	3.63	J	1	3.06	20.0	ug/L	10/26/24 09:40	10/29/24 17:20	SW6010	SW3010
7440-66-6	Zinc	22.1	N	1	1.75	20.0	ug/L	10/26/24 09:40	10/29/24 17:20	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