

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	08/21/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/21/25
Client Sample ID:	ENV-SW04	SDG No.:	Q2934
Lab Sample ID:	Q2934-04	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	184		1	5.67	50.0	ug/L	08/22/25 10:30	08/22/25 15:26	6010D	SW3010
7440-36-0	Antimony	3.86	J	1	3.38	25.0	ug/L	08/22/25 10:30	08/22/25 15:26	6010D	SW3010
7440-38-2	Arsenic	2.56	U	1	2.56	10.0	ug/L	08/22/25 10:30	08/22/25 15:26	6010D	SW3010
7440-39-3	Barium	164		1	7.28	50.0	ug/L	08/22/25 10:30	08/22/25 15:26	6010D	SW3010
7440-41-7	Beryllium	0.28	U	1	0.28	3.00	ug/L	08/22/25 10:30	08/22/25 15:26	6010D	SW3010
7440-43-9	Cadmium	0.25	U	1	0.25	3.00	ug/L	08/22/25 10:30	08/22/25 15:26	6010D	SW3010
7440-70-2	Calcium	98700		1	117	1000	ug/L	08/22/25 10:30	08/22/25 15:26	6010D	SW3010
7440-47-3	Chromium	4.89	J	1	1.06	5.00	ug/L	08/22/25 10:30	08/22/25 15:26	6010D	SW3010
7440-48-4	Cobalt	1.13	U	1	1.13	15.0	ug/L	08/22/25 10:30	08/22/25 15:26	6010D	SW3010
7440-50-8	Copper	2.39	J	1	2.30	10.0	ug/L	08/22/25 10:30	08/22/25 15:26	6010D	SW3010
7439-89-6	Iron	666		1	11.7	50.0	ug/L	08/22/25 10:30	08/22/25 15:26	6010D	SW3010
7439-92-1	Lead	3.11	J	1	1.15	6.00	ug/L	08/22/25 10:30	08/22/25 15:26	6010D	SW3010
7439-95-4	Magnesium	249000		1	122	1000	ug/L	08/22/25 10:30	08/22/25 15:26	6010D	SW3010
7439-96-5	Manganese	194		1	2.97	10.0	ug/L	08/22/25 10:30	08/22/25 15:26	6010D	SW3010
7439-97-6	Mercury	0.14	J	1	0.076	0.20	ug/L	08/26/25 15:05	08/27/25 10:30	7470A	
7440-02-0	Nickel	4.89	J	1	1.53	20.0	ug/L	08/22/25 10:30	08/22/25 15:26	6010D	SW3010
7440-09-7	Potassium	145000		1	459	1000	ug/L	08/22/25 10:30	08/22/25 15:26	6010D	SW3010
7782-49-2	Selenium	4.82	U	1	4.82	10.0	ug/L	08/22/25 10:30	08/22/25 15:26	6010D	SW3010
7440-22-4	Silver	0.81	UN*1		0.81	5.00	ug/L	08/22/25 10:30	08/22/25 15:26	6010D	SW3010
7440-23-5	Sodium	2260000	D	2	868	2000	ug/L	08/22/25 10:30	08/25/25 13:17	6010D	SW3010
7440-28-0	Thallium	2.19	U	1	2.19	20.0	ug/L	08/22/25 10:30	08/22/25 15:26	6010D	SW3010
7440-62-2	Vanadium	7.19	J	1	3.13	20.0	ug/L	08/22/25 10:30	08/22/25 15:26	6010D	SW3010
7440-66-6	Zinc	11.9	J	1	8.33	20.0	ug/L	08/22/25 10:30	08/22/25 15:26	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