

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-SB02	SDG No.:	Q1488
Lab Sample ID:	Q1488-11	Matrix:	SOIL
Level (low/med):	low	% Solid:	81.1

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	4180		1	2.62	5.43	mg/Kg	03/05/25 10:05	03/13/25 14:31	SW6010	SW3050
7440-36-0	Antimony	0.16	UN	1	0.16	2.72	mg/Kg	03/05/25 10:05	03/13/25 14:31	SW6010	SW3050
7440-38-2	Arsenic	1.95		1	0.32	1.09	mg/Kg	03/05/25 10:05	03/13/25 14:31	SW6010	SW3050
7440-39-3	Barium	8.27		1	0.70	5.43	mg/Kg	03/05/25 10:05	03/13/25 14:31	SW6010	SW3050
7440-41-7	Beryllium	0.29	J	1	0.013	0.33	mg/Kg	03/05/25 10:05	03/13/25 14:31	SW6010	SW3050
7440-43-9	Cadmium	0.017	U	1	0.017	0.33	mg/Kg	03/05/25 10:05	03/13/25 14:31	SW6010	SW3050
7440-70-2	Calcium	700		1	3.04	109	mg/Kg	03/05/25 10:05	03/13/25 14:31	SW6010	SW3050
7440-47-3	Chromium	6.25		1	0.059	0.54	mg/Kg	03/05/25 10:05	03/13/25 14:31	SW6010	SW3050
7440-48-4	Cobalt	2.36		1	0.063	1.63	mg/Kg	03/05/25 10:05	03/13/25 14:31	SW6010	SW3050
7440-50-8	Copper	64.6		1	0.51	1.09	mg/Kg	03/05/25 10:05	03/13/25 14:31	SW6010	SW3050
7439-89-6	Iron	11000		1	2.92	5.43	mg/Kg	03/05/25 10:05	03/13/25 14:31	SW6010	SW3050
7439-92-1	Lead	11.7		1	0.16	0.65	mg/Kg	03/05/25 10:05	03/13/25 14:31	SW6010	SW3050
7439-95-4	Magnesium	1240		1	3.73	109	mg/Kg	03/05/25 10:05	03/13/25 14:31	SW6010	SW3050
7439-96-5	Manganese	60.4		1	0.077	1.09	mg/Kg	03/05/25 10:05	03/13/25 14:31	SW6010	SW3050
7439-97-6	Mercury	0.0080	J	1	0.0070	0.016	mg/Kg	03/05/25 16:00	03/06/25 12:12	SW7471B	
7440-02-0	Nickel	5.80		1	0.098	2.17	mg/Kg	03/05/25 10:05	03/13/25 14:31	SW6010	SW3050
7440-09-7	Potassium	328		1	31.2	109	mg/Kg	03/05/25 10:05	03/13/25 14:31	SW6010	SW3050
7782-49-2	Selenium	0.36	U	1	0.36	1.09	mg/Kg	03/05/25 10:05	03/13/25 14:31	SW6010	SW3050
7440-22-4	Silver	0.056	U	1	0.056	0.54	mg/Kg	03/05/25 10:05	03/13/25 14:31	SW6010	SW3050
7440-23-5	Sodium	364	N	1	39.2	109	mg/Kg	03/05/25 10:05	03/13/25 14:31	SW6010	SW3050
7440-28-0	Thallium	0.71	J	1	0.48	2.17	mg/Kg	03/05/25 10:05	03/13/25 14:31	SW6010	SW3050
7440-62-2	Vanadium	7.54		1	0.29	2.17	mg/Kg	03/05/25 10:05	03/13/25 14:31	SW6010	SW3050
7440-66-6	Zinc	35.5		1	0.12	2.17	mg/Kg	03/05/25 10:05	03/13/25 14:31	SW6010	SW3050

Color Before:	Black	Clarity Before:	Texture:	Medium
Color After:	Yellow	Clarity After:	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