

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-163-SB02	SDG No.:	Q1415
Lab Sample ID:	Q1415-03	Matrix:	SOIL
Level (low/med):	low	% Solid:	72.4

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	6050		1	2.92	6.06	mg/Kg	02/24/25 12:05	03/07/25 11:24	SW6010	SW3050
7440-36-0	Antimony	0.18	UN	1	0.18	3.03	mg/Kg	02/24/25 12:05	03/07/25 11:24	SW6010	SW3050
7440-38-2	Arsenic	3.67		1	0.35	1.21	mg/Kg	02/24/25 12:05	03/07/25 11:24	SW6010	SW3050
7440-39-3	Barium	34.9		1	0.78	6.06	mg/Kg	02/24/25 12:05	03/07/25 11:24	SW6010	SW3050
7440-41-7	Beryllium	0.46		1	0.015	0.36	mg/Kg	02/24/25 12:05	03/07/25 11:24	SW6010	SW3050
7440-43-9	Cadmium	0.019	U	1	0.019	0.36	mg/Kg	02/24/25 12:05	03/07/25 11:24	SW6010	SW3050
7440-70-2	Calcium	1220		1	3.39	121	mg/Kg	02/24/25 12:05	03/07/25 11:24	SW6010	SW3050
7440-47-3	Chromium	19.0		1	0.065	0.61	mg/Kg	02/24/25 12:05	03/07/25 11:24	SW6010	SW3050
7440-48-4	Cobalt	7.70		1	0.070	1.82	mg/Kg	02/24/25 12:05	03/07/25 11:24	SW6010	SW3050
7440-50-8	Copper	60.7		1	0.57	1.21	mg/Kg	02/24/25 12:05	03/07/25 11:24	SW6010	SW3050
7439-89-6	Iron	17500		1	3.26	6.06	mg/Kg	02/24/25 12:05	03/07/25 11:24	SW6010	SW3050
7439-92-1	Lead	22.3		1	0.18	0.73	mg/Kg	02/24/25 12:05	03/07/25 11:24	SW6010	SW3050
7439-95-4	Magnesium	2720		1	4.16	121	mg/Kg	02/24/25 12:05	03/07/25 11:24	SW6010	SW3050
7439-96-5	Manganese	251	N	1	0.086	1.21	mg/Kg	02/24/25 12:05	03/07/25 11:24	SW6010	SW3050
7439-97-6	Mercury	0.042	N	1	0.0080	0.019	mg/Kg	02/25/25 13:30	02/26/25 11:41	SW7471B	
7440-02-0	Nickel	17.6		1	0.11	2.42	mg/Kg	02/24/25 12:05	03/07/25 11:24	SW6010	SW3050
7440-09-7	Potassium	992		1	34.8	121	mg/Kg	02/24/25 12:05	03/07/25 11:24	SW6010	SW3050
7782-49-2	Selenium	0.47	J	1	0.40	1.21	mg/Kg	02/24/25 12:05	03/07/25 11:24	SW6010	SW3050
7440-22-4	Silver	0.063	U	1	0.063	0.61	mg/Kg	02/24/25 12:05	03/07/25 11:24	SW6010	SW3050
7440-23-5	Sodium	133		1	43.7	121	mg/Kg	02/24/25 12:05	03/07/25 11:24	SW6010	SW3050
7440-28-0	Thallium	0.53	U	1	0.53	2.42	mg/Kg	02/24/25 12:05	03/07/25 11:24	SW6010	SW3050
7440-62-2	Vanadium	19.0		1	0.33	2.42	mg/Kg	02/24/25 12:05	03/07/25 11:24	SW6010	SW3050
7440-66-6	Zinc	117		1	0.13	2.42	mg/Kg	02/24/25 12:05	03/07/25 11:24	SW6010	SW3050

Color Before:	Brown	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