

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-BOT-1	SDG No.:	P4578
Lab Sample ID:	P4578-07	Matrix:	SOIL
Level (low/med):	low	% Solid:	94.4

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	3510		1	2.23	4.63	mg/Kg	10/25/24 16:15	10/28/24 20:47	SW6010	SW3050
7440-36-0	Antimony	0.14	U	1	0.14	2.31	mg/Kg	10/25/24 16:15	10/28/24 20:47	SW6010	SW3050
7440-38-2	Arsenic	1.74		1	0.27	0.93	mg/Kg	10/25/24 16:15	10/28/24 20:47	SW6010	SW3050
7440-39-3	Barium	21.0		1	0.59	4.63	mg/Kg	10/25/24 16:15	10/28/24 20:47	SW6010	SW3050
7440-41-7	Beryllium	0.33	N	1	0.011	0.28	mg/Kg	10/25/24 16:15	10/28/24 20:47	SW6010	SW3050
7440-43-9	Cadmium	0.92		1	0.015	0.28	mg/Kg	10/25/24 16:15	10/28/24 20:47	SW6010	SW3050
7440-70-2	Calcium	3810	*	1	2.59	92.5	mg/Kg	10/25/24 16:15	10/28/24 20:47	SW6010	SW3050
7440-47-3	Chromium	11.7		1	0.050	0.46	mg/Kg	10/25/24 16:15	10/28/24 20:47	SW6010	SW3050
7440-48-4	Cobalt	4.56		1	0.054	1.39	mg/Kg	10/25/24 16:15	10/28/24 20:47	SW6010	SW3050
7440-50-8	Copper	11.5		1	0.44	0.93	mg/Kg	10/25/24 16:15	10/28/24 20:47	SW6010	SW3050
7439-89-6	Iron	9770		1	2.49	4.63	mg/Kg	10/25/24 16:15	10/28/24 20:47	SW6010	SW3050
7439-92-1	Lead	8.83		1	0.14	0.56	mg/Kg	10/25/24 16:15	10/28/24 20:47	SW6010	SW3050
7439-95-4	Magnesium	2040		1	3.17	92.5	mg/Kg	10/25/24 16:15	10/28/24 20:47	SW6010	SW3050
7439-96-5	Manganese	114		1	0.066	0.93	mg/Kg	10/25/24 16:15	10/28/24 20:47	SW6010	SW3050
7439-97-6	Mercury	0.036		1	0.0060	0.014	mg/Kg	10/28/24 16:15	10/29/24 11:27	SW7471B	
7440-02-0	Nickel	9.39		1	0.083	1.85	mg/Kg	10/25/24 16:15	10/28/24 20:47	SW6010	SW3050
7440-09-7	Potassium	754		1	26.6	92.5	mg/Kg	10/25/24 16:15	10/28/24 20:47	SW6010	SW3050
7782-49-2	Selenium	0.31	UN	1	0.31	0.93	mg/Kg	10/25/24 16:15	10/28/24 20:47	SW6010	SW3050
7440-22-4	Silver	0.38	J	1	0.048	0.46	mg/Kg	10/25/24 16:15	10/28/24 20:47	SW6010	SW3050
7440-23-5	Sodium	773		1	33.4	92.5	mg/Kg	10/25/24 16:15	10/28/24 20:47	SW6010	SW3050
7440-28-0	Thallium	0.41	U	1	0.41	1.85	mg/Kg	10/25/24 16:15	10/28/24 20:47	SW6010	SW3050
7440-62-2	Vanadium	10.1		1	0.25	1.85	mg/Kg	10/25/24 16:15	10/28/24 20:47	SW6010	SW3050
7440-66-6	Zinc	25.6		1	0.10	1.85	mg/Kg	10/25/24 16:15	10/28/24 20:47	SW6010	SW3050

Color Before:	Brown	Clarity Before:	Texture:	Medium
Color After:	Yellow	Clarity After:	Artifacts:	N/A
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