

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	SDG No.:	P4578
Lab Sample ID:	P4578-05	Matrix:	SOIL
Level (low/med):	low	% Solid:	82.1

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	3760		1	2.86	5.94	mg/Kg	10/25/24 16:15	10/28/24 20:43	SW6010	SW3050
7440-36-0	Antimony	0.18	J	1	0.18	2.97	mg/Kg	10/25/24 16:15	10/28/24 20:43	SW6010	SW3050
7440-38-2	Arsenic	1.30		1	0.35	1.19	mg/Kg	10/25/24 16:15	10/28/24 20:43	SW6010	SW3050
7440-39-3	Barium	19.3		1	0.76	5.94	mg/Kg	10/25/24 16:15	10/28/24 20:43	SW6010	SW3050
7440-41-7	Beryllium	0.37	N	1	0.014	0.36	mg/Kg	10/25/24 16:15	10/28/24 20:43	SW6010	SW3050
7440-43-9	Cadmium	0.99		1	0.019	0.36	mg/Kg	10/25/24 16:15	10/28/24 20:43	SW6010	SW3050
7440-70-2	Calcium	5070	*	1	3.33	119	mg/Kg	10/25/24 16:15	10/28/24 20:43	SW6010	SW3050
7440-47-3	Chromium	10.7		1	0.064	0.59	mg/Kg	10/25/24 16:15	10/28/24 20:43	SW6010	SW3050
7440-48-4	Cobalt	5.08		1	0.069	1.78	mg/Kg	10/25/24 16:15	10/28/24 20:43	SW6010	SW3050
7440-50-8	Copper	11.6		1	0.56	1.19	mg/Kg	10/25/24 16:15	10/28/24 20:43	SW6010	SW3050
7439-89-6	Iron	11800		1	3.20	5.94	mg/Kg	10/25/24 16:15	10/28/24 20:43	SW6010	SW3050
7439-92-1	Lead	6.90		1	0.18	0.71	mg/Kg	10/25/24 16:15	10/28/24 20:43	SW6010	SW3050
7439-95-4	Magnesium	2640		1	4.08	119	mg/Kg	10/25/24 16:15	10/28/24 20:43	SW6010	SW3050
7439-96-5	Manganese	175		1	0.084	1.19	mg/Kg	10/25/24 16:15	10/28/24 20:43	SW6010	SW3050
7439-97-6	Mercury	0.072		1	0.0060	0.014	mg/Kg	10/28/24 16:15	10/29/24 11:25	SW7471B	
7440-02-0	Nickel	11.0		1	0.11	2.38	mg/Kg	10/25/24 16:15	10/28/24 20:43	SW6010	SW3050
7440-09-7	Potassium	834		1	34.1	119	mg/Kg	10/25/24 16:15	10/28/24 20:43	SW6010	SW3050
7782-49-2	Selenium	0.39	UN	1	0.39	1.19	mg/Kg	10/25/24 16:15	10/28/24 20:43	SW6010	SW3050
7440-22-4	Silver	0.48	J	1	0.062	0.59	mg/Kg	10/25/24 16:15	10/28/24 20:43	SW6010	SW3050
7440-23-5	Sodium	881		1	42.9	119	mg/Kg	10/25/24 16:15	10/28/24 20:43	SW6010	SW3050
7440-28-0	Thallium	0.52	U	1	0.52	2.38	mg/Kg	10/25/24 16:15	10/28/24 20:43	SW6010	SW3050
7440-62-2	Vanadium	10.5		1	0.32	2.38	mg/Kg	10/25/24 16:15	10/28/24 20:43	SW6010	SW3050
7440-66-6	Zinc	31.0		1	0.13	2.38	mg/Kg	10/25/24 16:15	10/28/24 20:43	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