

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-TOP-1	SDG No.:	P4578
Lab Sample ID:	P4578-04	Matrix:	SOIL
Level (low/med):	low	% Solid:	58.7

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	8270		1	3.91	8.11	mg/Kg	10/25/24 16:15	10/28/24 20:39	SW6010	SW3050
7440-36-0	Antimony	1.07	J	1	0.24	4.06	mg/Kg	10/25/24 16:15	10/28/24 20:39	SW6010	SW3050
7440-38-2	Arsenic	71.8		1	0.47	1.62	mg/Kg	10/25/24 16:15	10/28/24 20:39	SW6010	SW3050
7440-39-3	Barium	174		1	1.04	8.11	mg/Kg	10/25/24 16:15	10/28/24 20:39	SW6010	SW3050
7440-41-7	Beryllium	0.64	N	1	0.019	0.49	mg/Kg	10/25/24 16:15	10/28/24 20:39	SW6010	SW3050
7440-43-9	Cadmium	4.01		1	0.026	0.49	mg/Kg	10/25/24 16:15	10/28/24 20:39	SW6010	SW3050
7440-70-2	Calcium	3120	*	1	4.54	162	mg/Kg	10/25/24 16:15	10/28/24 20:39	SW6010	SW3050
7440-47-3	Chromium	215	D	5	0.44	4.06	mg/Kg	10/25/24 16:15	11/08/24 14:55	SW6010	SW3050
7440-48-4	Cobalt	8.93		1	0.094	2.43	mg/Kg	10/25/24 16:15	10/28/24 20:39	SW6010	SW3050
7440-50-8	Copper	432		1	0.76	1.62	mg/Kg	10/25/24 16:15	10/28/24 20:39	SW6010	SW3050
7439-89-6	Iron	19100		1	4.36	8.11	mg/Kg	10/25/24 16:15	10/28/24 20:39	SW6010	SW3050
7439-92-1	Lead	458		1	0.24	0.97	mg/Kg	10/25/24 16:15	10/28/24 20:39	SW6010	SW3050
7439-95-4	Magnesium	3710		1	5.57	162	mg/Kg	10/25/24 16:15	10/28/24 20:39	SW6010	SW3050
7439-96-5	Manganese	177		1	0.12	1.62	mg/Kg	10/25/24 16:15	10/28/24 20:39	SW6010	SW3050
7439-97-6	Mercury	2.73	D	10	0.094	0.21	mg/Kg	10/28/24 16:15	10/29/24 11:55	SW7471B	
7440-02-0	Nickel	54.9		1	0.15	3.24	mg/Kg	10/25/24 16:15	10/28/24 20:39	SW6010	SW3050
7440-09-7	Potassium	1440		1	46.6	162	mg/Kg	10/25/24 16:15	10/28/24 20:39	SW6010	SW3050
7782-49-2	Selenium	0.54	UN	1	0.54	1.62	mg/Kg	10/25/24 16:15	10/28/24 20:39	SW6010	SW3050
7440-22-4	Silver	4.34		1	0.084	0.81	mg/Kg	10/25/24 16:15	10/28/24 20:39	SW6010	SW3050
7440-23-5	Sodium	3590		1	58.6	162	mg/Kg	10/25/24 16:15	10/28/24 20:39	SW6010	SW3050
7440-28-0	Thallium	1.24	J	1	0.71	3.24	mg/Kg	10/25/24 16:15	10/28/24 20:39	SW6010	SW3050
7440-62-2	Vanadium	21.5		1	0.44	3.24	mg/Kg	10/25/24 16:15	10/28/24 20:39	SW6010	SW3050
7440-66-6	Zinc	577		1	0.18	3.24	mg/Kg	10/25/24 16:15	10/28/24 20:39	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