

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	SDG No.:	P4578
Lab Sample ID:	P4578-03	Matrix:	SOIL
Level (low/med):	low	% Solid:	53.8

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	8650		1	4.13	8.57	mg/Kg	10/25/24 16:15	10/28/24 20:35	SW6010	SW3050
7440-36-0	Antimony	0.93	J	1	0.26	4.28	mg/Kg	10/25/24 16:15	10/28/24 20:35	SW6010	SW3050
7440-38-2	Arsenic	44.3		1	0.50	1.71	mg/Kg	10/25/24 16:15	10/28/24 20:35	SW6010	SW3050
7440-39-3	Barium	103		1	1.10	8.57	mg/Kg	10/25/24 16:15	10/28/24 20:35	SW6010	SW3050
7440-41-7	Beryllium	0.68	N	1	0.021	0.51	mg/Kg	10/25/24 16:15	10/28/24 20:35	SW6010	SW3050
7440-43-9	Cadmium	3.15		1	0.027	0.51	mg/Kg	10/25/24 16:15	10/28/24 20:35	SW6010	SW3050
7440-70-2	Calcium	2590	*	1	4.80	171	mg/Kg	10/25/24 16:15	10/28/24 20:35	SW6010	SW3050
7440-47-3	Chromium	135		1	0.093	0.86	mg/Kg	10/25/24 16:15	10/28/24 20:35	SW6010	SW3050
7440-48-4	Cobalt	9.42		1	0.099	2.57	mg/Kg	10/25/24 16:15	10/28/24 20:35	SW6010	SW3050
7440-50-8	Copper	306		1	0.81	1.71	mg/Kg	10/25/24 16:15	10/28/24 20:35	SW6010	SW3050
7439-89-6	Iron	20500		1	4.61	8.57	mg/Kg	10/25/24 16:15	10/28/24 20:35	SW6010	SW3050
7439-92-1	Lead	261		1	0.26	1.03	mg/Kg	10/25/24 16:15	10/28/24 20:35	SW6010	SW3050
7439-95-4	Magnesium	3910		1	5.88	171	mg/Kg	10/25/24 16:15	10/28/24 20:35	SW6010	SW3050
7439-96-5	Manganese	207		1	0.12	1.71	mg/Kg	10/25/24 16:15	10/28/24 20:35	SW6010	SW3050
7439-97-6	Mercury	4.57	D	10	0.10	0.23	mg/Kg	10/28/24 16:15	10/29/24 11:52	SW7471B	
7440-02-0	Nickel	44.2		1	0.15	3.43	mg/Kg	10/25/24 16:15	10/28/24 20:35	SW6010	SW3050
7440-09-7	Potassium	1530		1	49.2	171	mg/Kg	10/25/24 16:15	10/28/24 20:35	SW6010	SW3050
7782-49-2	Selenium	0.56	UN	1	0.56	1.71	mg/Kg	10/25/24 16:15	10/28/24 20:35	SW6010	SW3050
7440-22-4	Silver	2.64		1	0.089	0.86	mg/Kg	10/25/24 16:15	10/28/24 20:35	SW6010	SW3050
7440-23-5	Sodium	3350		1	61.8	171	mg/Kg	10/25/24 16:15	10/28/24 20:35	SW6010	SW3050
7440-28-0	Thallium	0.75	U	1	0.75	3.43	mg/Kg	10/25/24 16:15	10/28/24 20:35	SW6010	SW3050
7440-62-2	Vanadium	23.2		1	0.46	3.43	mg/Kg	10/25/24 16:15	10/28/24 20:35	SW6010	SW3050
7440-66-6	Zinc	380		1	0.19	3.43	mg/Kg	10/25/24 16:15	10/28/24 20:35	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