

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/18/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/18/24
Client Sample ID:	WB-303-BOT	SDG No.:	P4460
Lab Sample ID:	P4460-03	Matrix:	SOIL
Level (low/med):	low	% Solid:	80.1

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	7450		1	2.92	6.06	mg/Kg	10/21/24 10:15	10/23/24 17:59	SW6010	SW3050
7440-36-0	Antimony	0.18	UN	1	0.18	3.03	mg/Kg	10/21/24 10:15	10/23/24 17:59	SW6010	SW3050
7440-38-2	Arsenic	1.46		1	0.35	1.21	mg/Kg	10/21/24 10:15	10/23/24 17:59	SW6010	SW3050
7440-39-3	Barium	26.9	N	1	0.78	6.06	mg/Kg	10/21/24 10:15	10/23/24 17:59	SW6010	SW3050
7440-41-7	Beryllium	0.68	N	1	0.015	0.36	mg/Kg	10/21/24 10:15	10/23/24 17:59	SW6010	SW3050
7440-43-9	Cadmium	2.27		1	0.019	0.36	mg/Kg	10/21/24 10:15	10/23/24 17:59	SW6010	SW3050
7440-70-2	Calcium	2810		1	3.39	121	mg/Kg	10/21/24 10:15	10/23/24 17:59	SW6010	SW3050
7440-47-3	Chromium	14.6	N	1	0.065	0.61	mg/Kg	10/21/24 10:15	10/23/24 17:59	SW6010	SW3050
7440-48-4	Cobalt	10.5	N	1	0.070	1.82	mg/Kg	10/21/24 10:15	10/23/24 17:59	SW6010	SW3050
7440-50-8	Copper	16.5	N	1	0.57	1.21	mg/Kg	10/21/24 10:15	10/23/24 17:59	SW6010	SW3050
7439-89-6	Iron	18500		1	3.26	6.06	mg/Kg	10/21/24 10:15	10/23/24 17:59	SW6010	SW3050
7439-92-1	Lead	9.67		1	0.18	0.73	mg/Kg	10/21/24 10:15	10/23/24 17:59	SW6010	SW3050
7439-95-4	Magnesium	4680		1	4.16	121	mg/Kg	10/21/24 10:15	10/23/24 17:59	SW6010	SW3050
7439-96-5	Manganese	273		1	0.086	1.21	mg/Kg	10/21/24 10:15	10/23/24 17:59	SW6010	SW3050
7439-97-6	Mercury	0.0070	U	1	0.0070	0.016	mg/Kg	10/21/24 16:20	10/22/24 12:55	SW7471B	
7440-02-0	Nickel	19.8	N	1	0.11	2.42	mg/Kg	10/21/24 10:15	10/23/24 17:59	SW6010	SW3050
7440-09-7	Potassium	1320	N	1	34.8	121	mg/Kg	10/21/24 10:15	10/23/24 17:59	SW6010	SW3050
7782-49-2	Selenium	0.40	UN	1	0.40	1.21	mg/Kg	10/21/24 10:15	10/23/24 17:59	SW6010	SW3050
7440-22-4	Silver	0.063	U	1	0.063	0.61	mg/Kg	10/21/24 10:15	10/23/24 17:59	SW6010	SW3050
7440-23-5	Sodium	1020		1	43.8	121	mg/Kg	10/21/24 10:15	10/23/24 17:59	SW6010	SW3050
7440-28-0	Thallium	0.53	U	1	0.53	2.42	mg/Kg	10/21/24 10:15	10/23/24 17:59	SW6010	SW3050
7440-62-2	Vanadium	18.2	N	1	0.33	2.42	mg/Kg	10/21/24 10:15	10/23/24 17:59	SW6010	SW3050
7440-66-6	Zinc	40.5	N	1	0.13	2.42	mg/Kg	10/21/24 10:15	10/23/24 17:59	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