

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-TOP	SDG No.:	P4460
Lab Sample ID:	P4460-02	Matrix:	SOIL
Level (low/med):	low	% Solid:	51.5

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	8830		1	4.23	8.79	mg/Kg	10/21/24 10:15	10/23/24 17:55	SW6010	SW3050
7440-36-0	Antimony	2.35	JN	1	0.26	4.39	mg/Kg	10/21/24 10:15	10/23/24 17:55	SW6010	SW3050
7440-38-2	Arsenic	68.3		1	0.51	1.76	mg/Kg	10/21/24 10:15	10/23/24 17:55	SW6010	SW3050
7440-39-3	Barium	124	N	1	1.12	8.79	mg/Kg	10/21/24 10:15	10/23/24 17:55	SW6010	SW3050
7440-41-7	Beryllium	0.72	N	1	0.021	0.53	mg/Kg	10/21/24 10:15	10/23/24 17:55	SW6010	SW3050
7440-43-9	Cadmium	3.74		1	0.028	0.53	mg/Kg	10/21/24 10:15	10/23/24 17:55	SW6010	SW3050
7440-70-2	Calcium	2300		1	4.92	176	mg/Kg	10/21/24 10:15	10/23/24 17:55	SW6010	SW3050
7440-47-3	Chromium	145	N	1	0.095	0.88	mg/Kg	10/21/24 10:15	10/23/24 17:55	SW6010	SW3050
7440-48-4	Cobalt	10.1	N	1	0.10	2.64	mg/Kg	10/21/24 10:15	10/23/24 17:55	SW6010	SW3050
7440-50-8	Copper	341	N	1	0.83	1.76	mg/Kg	10/21/24 10:15	10/23/24 17:55	SW6010	SW3050
7439-89-6	Iron	21900		1	4.73	8.79	mg/Kg	10/21/24 10:15	10/23/24 17:55	SW6010	SW3050
7439-92-1	Lead	306		1	0.26	1.05	mg/Kg	10/21/24 10:15	10/23/24 17:55	SW6010	SW3050
7439-95-4	Magnesium	3900		1	6.03	176	mg/Kg	10/21/24 10:15	10/23/24 17:55	SW6010	SW3050
7439-96-5	Manganese	189		1	0.13	1.76	mg/Kg	10/21/24 10:15	10/23/24 17:55	SW6010	SW3050
7439-97-6	Mercury	7.60	D	10	0.12	0.27	mg/Kg	10/21/24 16:20	10/22/24 13:27	SW7471B	
7440-02-0	Nickel	43.2	N	1	0.16	3.51	mg/Kg	10/21/24 10:15	10/23/24 17:55	SW6010	SW3050
7440-09-7	Potassium	1590	N	1	50.4	176	mg/Kg	10/21/24 10:15	10/23/24 17:55	SW6010	SW3050
7782-49-2	Selenium	0.58	UN	1	0.58	1.76	mg/Kg	10/21/24 10:15	10/23/24 17:55	SW6010	SW3050
7440-22-4	Silver	2.29		1	0.091	0.88	mg/Kg	10/21/24 10:15	10/23/24 17:55	SW6010	SW3050
7440-23-5	Sodium	2500		1	63.4	176	mg/Kg	10/21/24 10:15	10/23/24 17:55	SW6010	SW3050
7440-28-0	Thallium	0.77	U	1	0.77	3.51	mg/Kg	10/21/24 10:15	10/23/24 17:55	SW6010	SW3050
7440-62-2	Vanadium	24.0	N	1	0.47	3.51	mg/Kg	10/21/24 10:15	10/23/24 17:55	SW6010	SW3050
7440-66-6	Zinc	417	N	1	0.19	3.51	mg/Kg	10/21/24 10:15	10/23/24 17:55	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