

Hit Summary Sheet
SW-846

SDG No.: Q1216
Client: RU2 Engineering, LLC

Order ID: Q1216
Project ID: NYCDDC SANTWOBR Brooklyn Bridge

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : JPP-18.1-012825								
Q1216-03	JPP-18.1-012825	SOIL	Aluminum	5160		2.86	5.94	mg/Kg
Q1216-03	JPP-18.1-012825	SOIL	Antimony	0.72	J	0.18	2.97	mg/Kg
Q1216-03	JPP-18.1-012825	SOIL	Arsenic	6.99		0.35	1.19	mg/Kg
Q1216-03	JPP-18.1-012825	SOIL	Barium	80.5		0.76	5.94	mg/Kg
Q1216-03	JPP-18.1-012825	SOIL	Beryllium	0.39		0.014	0.36	mg/Kg
Q1216-03	JPP-18.1-012825	SOIL	Cadmium	0.17	J	0.019	0.36	mg/Kg
Q1216-03	JPP-18.1-012825	SOIL	Calcium	48300		3.33	119	mg/Kg
Q1216-03	JPP-18.1-012825	SOIL	Chromium	17.4		0.064	0.59	mg/Kg
Q1216-03	JPP-18.1-012825	SOIL	Cobalt	6.13		0.069	1.78	mg/Kg
Q1216-03	JPP-18.1-012825	SOIL	Copper	68.6		0.56	1.19	mg/Kg
Q1216-03	JPP-18.1-012825	SOIL	Iron	12700		3.20	5.94	mg/Kg
Q1216-03	JPP-18.1-012825	SOIL	Lead	298		0.18	0.71	mg/Kg
Q1216-03	JPP-18.1-012825	SOIL	Magnesium	8860		4.08	119	mg/Kg
Q1216-03	JPP-18.1-012825	SOIL	Manganese	195		0.084	1.19	mg/Kg
Q1216-03	JPP-18.1-012825	SOIL	Mercury	0.49		0.0070	0.015	mg/Kg
Q1216-03	JPP-18.1-012825	SOIL	Nickel	18.3		0.11	2.38	mg/Kg
Q1216-03	JPP-18.1-012825	SOIL	Potassium	1400		34.1	119	mg/Kg
Q1216-03	JPP-18.1-012825	SOIL	Silver	0.37	J	0.062	0.59	mg/Kg
Q1216-03	JPP-18.1-012825	SOIL	Sodium	7210		42.9	119	mg/Kg
Q1216-03	JPP-18.1-012825	SOIL	Vanadium	17.2		0.32	2.38	mg/Kg
Q1216-03	JPP-18.1-012825	SOIL	Zinc	120		0.13	2.38	mg/Kg
Client ID : JPP-21.1-012825								
Q1216-07	JPP-21.1-012825	SOIL	Aluminum	3520		2.24	4.65	mg/Kg
Q1216-07	JPP-21.1-012825	SOIL	Antimony	0.47	J	0.14	2.32	mg/Kg
Q1216-07	JPP-21.1-012825	SOIL	Arsenic	5.24		0.27	0.93	mg/Kg
Q1216-07	JPP-21.1-012825	SOIL	Barium	69.7		0.60	4.65	mg/Kg
Q1216-07	JPP-21.1-012825	SOIL	Beryllium	0.29		0.011	0.28	mg/Kg
Q1216-07	JPP-21.1-012825	SOIL	Cadmium	0.19	J	0.015	0.28	mg/Kg
Q1216-07	JPP-21.1-012825	SOIL	Calcium	48300		2.60	93.0	mg/Kg
Q1216-07	JPP-21.1-012825	SOIL	Chromium	18.6		0.050	0.47	mg/Kg
Q1216-07	JPP-21.1-012825	SOIL	Cobalt	4.70		0.054	1.39	mg/Kg
Q1216-07	JPP-21.1-012825	SOIL	Copper	41.0		0.44	0.93	mg/Kg
Q1216-07	JPP-21.1-012825	SOIL	Iron	9070		2.50	4.65	mg/Kg
Q1216-07	JPP-21.1-012825	SOIL	Lead	180		0.14	0.56	mg/Kg
Q1216-07	JPP-21.1-012825	SOIL	Magnesium	4620		3.19	93.0	mg/Kg
Q1216-07	JPP-21.1-012825	SOIL	Manganese	132		0.066	0.93	mg/Kg
Q1216-07	JPP-21.1-012825	SOIL	Mercury	0.31		0.0060	0.014	mg/Kg

Hit Summary Sheet
SW-846

SDG No.: Q1216

Order ID: Q1216

Client: RU2 Engineering, LLC

Project ID: NYCDDC SANTWOBR Brooklyn Bridge

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q1216-07	JPP-21.1-012825	SOIL	Nickel	20.6		0.084	1.86	mg/Kg
Q1216-07	JPP-21.1-012825	SOIL	Potassium	916		26.7	93.0	mg/Kg
Q1216-07	JPP-21.1-012825	SOIL	Silver	0.20	J	0.048	0.47	mg/Kg
Q1216-07	JPP-21.1-012825	SOIL	Sodium	2410		33.6	93.0	mg/Kg
Q1216-07	JPP-21.1-012825	SOIL	Vanadium	11.8		0.25	1.86	mg/Kg
Q1216-07	JPP-21.1-012825	SOIL	Zinc	133		0.10	1.86	mg/Kg
Client ID : JPP-21.2-012825								
Q1216-11	JPP-21.2-012825	SOIL	Aluminum	4920		2.72	5.65	mg/Kg
Q1216-11	JPP-21.2-012825	SOIL	Antimony	0.22	J	0.17	2.82	mg/Kg
Q1216-11	JPP-21.2-012825	SOIL	Arsenic	4.57		0.33	1.13	mg/Kg
Q1216-11	JPP-21.2-012825	SOIL	Barium	50.1		0.72	5.65	mg/Kg
Q1216-11	JPP-21.2-012825	SOIL	Beryllium	0.43		0.014	0.34	mg/Kg
Q1216-11	JPP-21.2-012825	SOIL	Cadmium	0.11	J	0.018	0.34	mg/Kg
Q1216-11	JPP-21.2-012825	SOIL	Calcium	23300		3.16	113	mg/Kg
Q1216-11	JPP-21.2-012825	SOIL	Chromium	15.2		0.061	0.56	mg/Kg
Q1216-11	JPP-21.2-012825	SOIL	Cobalt	4.69		0.066	1.69	mg/Kg
Q1216-11	JPP-21.2-012825	SOIL	Copper	56.4		0.53	1.13	mg/Kg
Q1216-11	JPP-21.2-012825	SOIL	Iron	11700		3.04	5.65	mg/Kg
Q1216-11	JPP-21.2-012825	SOIL	Lead	134		0.17	0.68	mg/Kg
Q1216-11	JPP-21.2-012825	SOIL	Magnesium	7990		3.88	113	mg/Kg
Q1216-11	JPP-21.2-012825	SOIL	Manganese	160		0.080	1.13	mg/Kg
Q1216-11	JPP-21.2-012825	SOIL	Mercury	0.28		0.0070	0.017	mg/Kg
Q1216-11	JPP-21.2-012825	SOIL	Nickel	15.6		0.10	2.26	mg/Kg
Q1216-11	JPP-21.2-012825	SOIL	Potassium	1190		32.4	113	mg/Kg
Q1216-11	JPP-21.2-012825	SOIL	Silver	0.27	J	0.059	0.56	mg/Kg
Q1216-11	JPP-21.2-012825	SOIL	Sodium	2830		40.8	113	mg/Kg
Q1216-11	JPP-21.2-012825	SOIL	Vanadium	17.5		0.31	2.26	mg/Kg
Q1216-11	JPP-21.2-012825	SOIL	Zinc	111		0.12	2.26	mg/Kg
Client ID : JPP-26.1-012825								
Q1216-15	JPP-26.1-012825	SOIL	Aluminum	2940		2.77	5.75	mg/Kg
Q1216-15	JPP-26.1-012825	SOIL	Antimony	1.45	J	0.17	2.88	mg/Kg
Q1216-15	JPP-26.1-012825	SOIL	Arsenic	8.64		0.33	1.15	mg/Kg
Q1216-15	JPP-26.1-012825	SOIL	Barium	69.4		0.74	5.75	mg/Kg
Q1216-15	JPP-26.1-012825	SOIL	Beryllium	0.38		0.014	0.35	mg/Kg
Q1216-15	JPP-26.1-012825	SOIL	Calcium	8230		3.22	115	mg/Kg
Q1216-15	JPP-26.1-012825	SOIL	Chromium	9.13		0.062	0.57	mg/Kg
Q1216-15	JPP-26.1-012825	SOIL	Cobalt	4.24		0.067	1.73	mg/Kg
Q1216-15	JPP-26.1-012825	SOIL	Copper	65.4		0.54	1.15	mg/Kg
Q1216-15	JPP-26.1-012825	SOIL	Iron	10000		3.09	5.75	mg/Kg

Hit Summary Sheet
SW-846

SDG No.: Q1216

Order ID: Q1216

Client: RU2 Engineering, LLC

Project ID: NYCDDC SANTWOBR Brooklyn Bridge

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q1216-15	JPP-26.1-012825	SOIL	Lead	191		0.17	0.69	mg/Kg
Q1216-15	JPP-26.1-012825	SOIL	Magnesium	2840		3.95	115	mg/Kg
Q1216-15	JPP-26.1-012825	SOIL	Manganese	115		0.082	1.15	mg/Kg
Q1216-15	JPP-26.1-012825	SOIL	Mercury	0.50		0.0070	0.016	mg/Kg
Q1216-15	JPP-26.1-012825	SOIL	Nickel	13.9		0.10	2.30	mg/Kg
Q1216-15	JPP-26.1-012825	SOIL	Potassium	823		33.0	115	mg/Kg
Q1216-15	JPP-26.1-012825	SOIL	Silver	0.29	J	0.060	0.57	mg/Kg
Q1216-15	JPP-26.1-012825	SOIL	Sodium	2690		41.5	115	mg/Kg
Q1216-15	JPP-26.1-012825	SOIL	Vanadium	12.2		0.31	2.30	mg/Kg
Q1216-15	JPP-26.1-012825	SOIL	Zinc	102		0.13	2.30	mg/Kg
Client ID : JPP-26.2-012825								
Q1216-19	JPP-26.2-012825	SOIL	Aluminum	5550		2.54	5.27	mg/Kg
Q1216-19	JPP-26.2-012825	SOIL	Antimony	0.95	J	0.16	2.64	mg/Kg
Q1216-19	JPP-26.2-012825	SOIL	Arsenic	5.77		0.31	1.05	mg/Kg
Q1216-19	JPP-26.2-012825	SOIL	Barium	64.6		0.68	5.27	mg/Kg
Q1216-19	JPP-26.2-012825	SOIL	Beryllium	0.43		0.013	0.32	mg/Kg
Q1216-19	JPP-26.2-012825	SOIL	Cadmium	0.29	J	0.017	0.32	mg/Kg
Q1216-19	JPP-26.2-012825	SOIL	Calcium	41200		2.95	105	mg/Kg
Q1216-19	JPP-26.2-012825	SOIL	Chromium	16.4		0.057	0.53	mg/Kg
Q1216-19	JPP-26.2-012825	SOIL	Cobalt	5.99		0.061	1.58	mg/Kg
Q1216-19	JPP-26.2-012825	SOIL	Copper	60.2		0.50	1.05	mg/Kg
Q1216-19	JPP-26.2-012825	SOIL	Iron	12400		2.84	5.27	mg/Kg
Q1216-19	JPP-26.2-012825	SOIL	Lead	208		0.16	0.63	mg/Kg
Q1216-19	JPP-26.2-012825	SOIL	Magnesium	6960		3.62	105	mg/Kg
Q1216-19	JPP-26.2-012825	SOIL	Manganese	231		0.075	1.05	mg/Kg
Q1216-19	JPP-26.2-012825	SOIL	Mercury	1.72	D	0.033	0.076	mg/Kg
Q1216-19	JPP-26.2-012825	SOIL	Nickel	17.4		0.095	2.11	mg/Kg
Q1216-19	JPP-26.2-012825	SOIL	Potassium	1460		30.3	105	mg/Kg
Q1216-19	JPP-26.2-012825	SOIL	Silver	0.25	J	0.055	0.53	mg/Kg
Q1216-19	JPP-26.2-012825	SOIL	Sodium	3120		38.1	105	mg/Kg
Q1216-19	JPP-26.2-012825	SOIL	Vanadium	17.8		0.28	2.11	mg/Kg
Q1216-19	JPP-26.2-012825	SOIL	Zinc	199		0.12	2.11	mg/Kg



SAMPLE DATA

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/28/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/29/25
Client Sample ID:	JPP-18.1-012825	SDG No.:	Q1216
Lab Sample ID:	Q1216-03	Matrix:	SOIL
Level (low/med):	low	% Solid:	83.3

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	5160		1	2.86	5.94	mg/Kg	01/30/25 10:15	01/30/25 16:41	SW6010	SW3050
7440-36-0	Antimony	0.72	JN	1	0.18	2.97	mg/Kg	01/30/25 10:15	01/30/25 16:41	SW6010	SW3050
7440-38-2	Arsenic	6.99		1	0.35	1.19	mg/Kg	01/30/25 10:15	01/30/25 16:41	SW6010	SW3050
7440-39-3	Barium	80.5	N	1	0.76	5.94	mg/Kg	01/30/25 10:15	01/30/25 16:41	SW6010	SW3050
7440-41-7	Beryllium	0.39		1	0.014	0.36	mg/Kg	01/30/25 10:15	01/30/25 16:41	SW6010	SW3050
7440-43-9	Cadmium	0.17	J	1	0.019	0.36	mg/Kg	01/30/25 10:15	01/30/25 16:41	SW6010	SW3050
7440-70-2	Calcium	48300		1	3.33	119	mg/Kg	01/30/25 10:15	01/30/25 16:41	SW6010	SW3050
7440-47-3	Chromium	17.4	N	1	0.064	0.59	mg/Kg	01/30/25 10:15	01/30/25 16:41	SW6010	SW3050
7440-48-4	Cobalt	6.13	N	1	0.069	1.78	mg/Kg	01/30/25 10:15	01/30/25 16:41	SW6010	SW3050
7440-50-8	Copper	68.6	N	1	0.56	1.19	mg/Kg	01/30/25 10:15	01/30/25 16:41	SW6010	SW3050
7439-89-6	Iron	12700		1	3.20	5.94	mg/Kg	01/30/25 10:15	01/30/25 16:41	SW6010	SW3050
7439-92-1	Lead	298		1	0.18	0.71	mg/Kg	01/30/25 10:15	01/30/25 16:41	SW6010	SW3050
7439-95-4	Magnesium	8860		1	4.08	119	mg/Kg	01/30/25 10:15	01/30/25 16:41	SW6010	SW3050
7439-96-5	Manganese	195		1	0.084	1.19	mg/Kg	01/30/25 10:15	01/30/25 16:41	SW6010	SW3050
7439-97-6	Mercury	0.49		1	0.0070	0.015	mg/Kg	01/30/25 16:50	01/31/25 13:35	SW7471B	
7440-02-0	Nickel	18.3		1	0.11	2.38	mg/Kg	01/30/25 10:15	01/30/25 16:41	SW6010	SW3050
7440-09-7	Potassium	1400	N	1	34.1	119	mg/Kg	01/30/25 10:15	01/30/25 16:41	SW6010	SW3050
7782-49-2	Selenium	1.19	U	1	0.39	1.19	mg/Kg	01/30/25 10:15	01/30/25 16:41	SW6010	SW3050
7440-22-4	Silver	0.37	J	1	0.062	0.59	mg/Kg	01/30/25 10:15	01/30/25 16:41	SW6010	SW3050
7440-23-5	Sodium	7210	N	1	42.9	119	mg/Kg	01/30/25 10:15	01/30/25 16:41	SW6010	SW3050
7440-28-0	Thallium	2.38	U	1	0.52	2.38	mg/Kg	01/30/25 10:15	01/30/25 16:41	SW6010	SW3050
7440-62-2	Vanadium	17.2	N	1	0.32	2.38	mg/Kg	01/30/25 10:15	01/30/25 16:41	SW6010	SW3050
7440-66-6	Zinc	120	N	1	0.13	2.38	mg/Kg	01/30/25 10:15	01/30/25 16:41	SW6010	SW3050

Color Before:	Brown	Clarity Before:	Texture:	Medium
Color After:	Yellow	Clarity After:	Artifacts:	
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

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/28/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/29/25
Client Sample ID:	JPP-21.1-012825	SDG No.:	Q1216
Lab Sample ID:	Q1216-07	Matrix:	SOIL
Level (low/med):	low	% Solid:	90.4

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	3520		1	2.24	4.65	mg/Kg	01/30/25 10:15	01/30/25 16:45	SW6010	SW3050
7440-36-0	Antimony	0.47	JN	1	0.14	2.32	mg/Kg	01/30/25 10:15	01/30/25 16:45	SW6010	SW3050
7440-38-2	Arsenic	5.24		1	0.27	0.93	mg/Kg	01/30/25 10:15	01/30/25 16:45	SW6010	SW3050
7440-39-3	Barium	69.7	N	1	0.60	4.65	mg/Kg	01/30/25 10:15	01/30/25 16:45	SW6010	SW3050
7440-41-7	Beryllium	0.29		1	0.011	0.28	mg/Kg	01/30/25 10:15	01/30/25 16:45	SW6010	SW3050
7440-43-9	Cadmium	0.19	J	1	0.015	0.28	mg/Kg	01/30/25 10:15	01/30/25 16:45	SW6010	SW3050
7440-70-2	Calcium	48300		1	2.60	93.0	mg/Kg	01/30/25 10:15	01/30/25 16:45	SW6010	SW3050
7440-47-3	Chromium	18.6	N	1	0.050	0.47	mg/Kg	01/30/25 10:15	01/30/25 16:45	SW6010	SW3050
7440-48-4	Cobalt	4.70	N	1	0.054	1.39	mg/Kg	01/30/25 10:15	01/30/25 16:45	SW6010	SW3050
7440-50-8	Copper	41.0	N	1	0.44	0.93	mg/Kg	01/30/25 10:15	01/30/25 16:45	SW6010	SW3050
7439-89-6	Iron	9070		1	2.50	4.65	mg/Kg	01/30/25 10:15	01/30/25 16:45	SW6010	SW3050
7439-92-1	Lead	180		1	0.14	0.56	mg/Kg	01/30/25 10:15	01/30/25 16:45	SW6010	SW3050
7439-95-4	Magnesium	4620		1	3.19	93.0	mg/Kg	01/30/25 10:15	01/30/25 16:45	SW6010	SW3050
7439-96-5	Manganese	132		1	0.066	0.93	mg/Kg	01/30/25 10:15	01/30/25 16:45	SW6010	SW3050
7439-97-6	Mercury	0.31		1	0.0060	0.014	mg/Kg	01/30/25 16:50	01/31/25 13:38	SW7471B	
7440-02-0	Nickel	20.6		1	0.084	1.86	mg/Kg	01/30/25 10:15	01/30/25 16:45	SW6010	SW3050
7440-09-7	Potassium	916	N	1	26.7	93.0	mg/Kg	01/30/25 10:15	01/30/25 16:45	SW6010	SW3050
7782-49-2	Selenium	0.93	U	1	0.31	0.93	mg/Kg	01/30/25 10:15	01/30/25 16:45	SW6010	SW3050
7440-22-4	Silver	0.20	J	1	0.048	0.47	mg/Kg	01/30/25 10:15	01/30/25 16:45	SW6010	SW3050
7440-23-5	Sodium	2410	N	1	33.6	93.0	mg/Kg	01/30/25 10:15	01/30/25 16:45	SW6010	SW3050
7440-28-0	Thallium	1.86	U	1	0.41	1.86	mg/Kg	01/30/25 10:15	01/30/25 16:45	SW6010	SW3050
7440-62-2	Vanadium	11.8	N	1	0.25	1.86	mg/Kg	01/30/25 10:15	01/30/25 16:45	SW6010	SW3050
7440-66-6	Zinc	133	N	1	0.10	1.86	mg/Kg	01/30/25 10:15	01/30/25 16:45	SW6010	SW3050

Color Before:	Brown	Clarity Before:	Texture:	Medium
Color After:	Yellow	Clarity After:	Artifacts:	
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

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/28/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/29/25
Client Sample ID:	JPP-21.2-012825	SDG No.:	Q1216
Lab Sample ID:	Q1216-11	Matrix:	SOIL
Level (low/med):	low	% Solid:	84.3

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	4920		1	2.72	5.65	mg/Kg	01/30/25 10:15	01/30/25 16:49	SW6010	SW3050
7440-36-0	Antimony	0.22	JN	1	0.17	2.82	mg/Kg	01/30/25 10:15	01/30/25 16:49	SW6010	SW3050
7440-38-2	Arsenic	4.57		1	0.33	1.13	mg/Kg	01/30/25 10:15	01/30/25 16:49	SW6010	SW3050
7440-39-3	Barium	50.1	N	1	0.72	5.65	mg/Kg	01/30/25 10:15	01/30/25 16:49	SW6010	SW3050
7440-41-7	Beryllium	0.43		1	0.014	0.34	mg/Kg	01/30/25 10:15	01/30/25 16:49	SW6010	SW3050
7440-43-9	Cadmium	0.11	J	1	0.018	0.34	mg/Kg	01/30/25 10:15	01/30/25 16:49	SW6010	SW3050
7440-70-2	Calcium	23300		1	3.16	113	mg/Kg	01/30/25 10:15	01/30/25 16:49	SW6010	SW3050
7440-47-3	Chromium	15.2	N	1	0.061	0.56	mg/Kg	01/30/25 10:15	01/30/25 16:49	SW6010	SW3050
7440-48-4	Cobalt	4.69	N	1	0.066	1.69	mg/Kg	01/30/25 10:15	01/30/25 16:49	SW6010	SW3050
7440-50-8	Copper	56.4	N	1	0.53	1.13	mg/Kg	01/30/25 10:15	01/30/25 16:49	SW6010	SW3050
7439-89-6	Iron	11700		1	3.04	5.65	mg/Kg	01/30/25 10:15	01/30/25 16:49	SW6010	SW3050
7439-92-1	Lead	134		1	0.17	0.68	mg/Kg	01/30/25 10:15	01/30/25 16:49	SW6010	SW3050
7439-95-4	Magnesium	7990		1	3.88	113	mg/Kg	01/30/25 10:15	01/30/25 16:49	SW6010	SW3050
7439-96-5	Manganese	160		1	0.080	1.13	mg/Kg	01/30/25 10:15	01/30/25 16:49	SW6010	SW3050
7439-97-6	Mercury	0.28		1	0.0070	0.017	mg/Kg	01/30/25 16:50	01/31/25 13:40	SW7471B	
7440-02-0	Nickel	15.6		1	0.10	2.26	mg/Kg	01/30/25 10:15	01/30/25 16:49	SW6010	SW3050
7440-09-7	Potassium	1190	N	1	32.4	113	mg/Kg	01/30/25 10:15	01/30/25 16:49	SW6010	SW3050
7782-49-2	Selenium	1.13	U	1	0.37	1.13	mg/Kg	01/30/25 10:15	01/30/25 16:49	SW6010	SW3050
7440-22-4	Silver	0.27	J	1	0.059	0.56	mg/Kg	01/30/25 10:15	01/30/25 16:49	SW6010	SW3050
7440-23-5	Sodium	2830	N	1	40.8	113	mg/Kg	01/30/25 10:15	01/30/25 16:49	SW6010	SW3050
7440-28-0	Thallium	2.26	U	1	0.50	2.26	mg/Kg	01/30/25 10:15	01/30/25 16:49	SW6010	SW3050
7440-62-2	Vanadium	17.5	N	1	0.31	2.26	mg/Kg	01/30/25 10:15	01/30/25 16:49	SW6010	SW3050
7440-66-6	Zinc	111	N	1	0.12	2.26	mg/Kg	01/30/25 10:15	01/30/25 16:49	SW6010	SW3050

Color Before:	Brown	Clarity Before:	Texture:	Medium
Color After:	Yellow	Clarity After:	Artifacts:	
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

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/28/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/29/25
Client Sample ID:	JPP-26.1-012825	SDG No.:	Q1216
Lab Sample ID:	Q1216-15	Matrix:	SOIL
Level (low/med):	low	% Solid:	82.8

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	2940		1	2.77	5.75	mg/Kg	01/30/25 10:15	01/30/25 16:54	SW6010	SW3050
7440-36-0	Antimony	1.45	JN	1	0.17	2.88	mg/Kg	01/30/25 10:15	01/30/25 16:54	SW6010	SW3050
7440-38-2	Arsenic	8.64		1	0.33	1.15	mg/Kg	01/30/25 10:15	01/30/25 16:54	SW6010	SW3050
7440-39-3	Barium	69.4	N	1	0.74	5.75	mg/Kg	01/30/25 10:15	01/30/25 16:54	SW6010	SW3050
7440-41-7	Beryllium	0.38		1	0.014	0.35	mg/Kg	01/30/25 10:15	01/30/25 16:54	SW6010	SW3050
7440-43-9	Cadmium	0.35	U	1	0.018	0.35	mg/Kg	01/30/25 10:15	01/30/25 16:54	SW6010	SW3050
7440-70-2	Calcium	8230		1	3.22	115	mg/Kg	01/30/25 10:15	01/30/25 16:54	SW6010	SW3050
7440-47-3	Chromium	9.13	N	1	0.062	0.57	mg/Kg	01/30/25 10:15	01/30/25 16:54	SW6010	SW3050
7440-48-4	Cobalt	4.24	N	1	0.067	1.73	mg/Kg	01/30/25 10:15	01/30/25 16:54	SW6010	SW3050
7440-50-8	Copper	65.4	N	1	0.54	1.15	mg/Kg	01/30/25 10:15	01/30/25 16:54	SW6010	SW3050
7439-89-6	Iron	10000		1	3.09	5.75	mg/Kg	01/30/25 10:15	01/30/25 16:54	SW6010	SW3050
7439-92-1	Lead	191		1	0.17	0.69	mg/Kg	01/30/25 10:15	01/30/25 16:54	SW6010	SW3050
7439-95-4	Magnesium	2840		1	3.95	115	mg/Kg	01/30/25 10:15	01/30/25 16:54	SW6010	SW3050
7439-96-5	Manganese	115		1	0.082	1.15	mg/Kg	01/30/25 10:15	01/30/25 16:54	SW6010	SW3050
7439-97-6	Mercury	0.50		1	0.0070	0.016	mg/Kg	01/30/25 16:50	01/31/25 13:42	SW7471B	
7440-02-0	Nickel	13.9		1	0.10	2.30	mg/Kg	01/30/25 10:15	01/30/25 16:54	SW6010	SW3050
7440-09-7	Potassium	823	N	1	33.0	115	mg/Kg	01/30/25 10:15	01/30/25 16:54	SW6010	SW3050
7782-49-2	Selenium	1.15	U	1	0.38	1.15	mg/Kg	01/30/25 10:15	01/30/25 16:54	SW6010	SW3050
7440-22-4	Silver	0.29	J	1	0.060	0.57	mg/Kg	01/30/25 10:15	01/30/25 16:54	SW6010	SW3050
7440-23-5	Sodium	2690	N	1	41.5	115	mg/Kg	01/30/25 10:15	01/30/25 16:54	SW6010	SW3050
7440-28-0	Thallium	2.30	U	1	0.51	2.30	mg/Kg	01/30/25 10:15	01/30/25 16:54	SW6010	SW3050
7440-62-2	Vanadium	12.2	N	1	0.31	2.30	mg/Kg	01/30/25 10:15	01/30/25 16:54	SW6010	SW3050
7440-66-6	Zinc	102	N	1	0.13	2.30	mg/Kg	01/30/25 10:15	01/30/25 16:54	SW6010	SW3050

Color Before:	Brown	Clarity Before:	Texture:	Medium
Color After:	Yellow	Clarity After:	Artifacts:	
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

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/28/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/29/25
Client Sample ID:	JPP-26.2-012825	SDG No.:	Q1216
Lab Sample ID:	Q1216-19	Matrix:	SOIL
Level (low/med):	low	% Solid:	85.8

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	5550		1	2.54	5.27	mg/Kg	01/30/25 10:15	01/30/25 16:58	SW6010	SW3050
7440-36-0	Antimony	0.95	JN	1	0.16	2.64	mg/Kg	01/30/25 10:15	01/30/25 16:58	SW6010	SW3050
7440-38-2	Arsenic	5.77		1	0.31	1.05	mg/Kg	01/30/25 10:15	01/30/25 16:58	SW6010	SW3050
7440-39-3	Barium	64.6	N	1	0.68	5.27	mg/Kg	01/30/25 10:15	01/30/25 16:58	SW6010	SW3050
7440-41-7	Beryllium	0.43		1	0.013	0.32	mg/Kg	01/30/25 10:15	01/30/25 16:58	SW6010	SW3050
7440-43-9	Cadmium	0.29	J	1	0.017	0.32	mg/Kg	01/30/25 10:15	01/30/25 16:58	SW6010	SW3050
7440-70-2	Calcium	41200		1	2.95	105	mg/Kg	01/30/25 10:15	01/30/25 16:58	SW6010	SW3050
7440-47-3	Chromium	16.4	N	1	0.057	0.53	mg/Kg	01/30/25 10:15	01/30/25 16:58	SW6010	SW3050
7440-48-4	Cobalt	5.99	N	1	0.061	1.58	mg/Kg	01/30/25 10:15	01/30/25 16:58	SW6010	SW3050
7440-50-8	Copper	60.2	N	1	0.50	1.05	mg/Kg	01/30/25 10:15	01/30/25 16:58	SW6010	SW3050
7439-89-6	Iron	12400		1	2.84	5.27	mg/Kg	01/30/25 10:15	01/30/25 16:58	SW6010	SW3050
7439-92-1	Lead	208		1	0.16	0.63	mg/Kg	01/30/25 10:15	01/30/25 16:58	SW6010	SW3050
7439-95-4	Magnesium	6960		1	3.62	105	mg/Kg	01/30/25 10:15	01/30/25 16:58	SW6010	SW3050
7439-96-5	Manganese	231		1	0.075	1.05	mg/Kg	01/30/25 10:15	01/30/25 16:58	SW6010	SW3050
7439-97-6	Mercury	1.72	D	5	0.033	0.076	mg/Kg	01/30/25 16:50	01/31/25 14:47	SW7471B	
7440-02-0	Nickel	17.4		1	0.095	2.11	mg/Kg	01/30/25 10:15	01/30/25 16:58	SW6010	SW3050
7440-09-7	Potassium	1460	N	1	30.3	105	mg/Kg	01/30/25 10:15	01/30/25 16:58	SW6010	SW3050
7782-49-2	Selenium	1.05	U	1	0.35	1.05	mg/Kg	01/30/25 10:15	01/30/25 16:58	SW6010	SW3050
7440-22-4	Silver	0.25	J	1	0.055	0.53	mg/Kg	01/30/25 10:15	01/30/25 16:58	SW6010	SW3050
7440-23-5	Sodium	3120	N	1	38.1	105	mg/Kg	01/30/25 10:15	01/30/25 16:58	SW6010	SW3050
7440-28-0	Thallium	2.11	U	1	0.46	2.11	mg/Kg	01/30/25 10:15	01/30/25 16:58	SW6010	SW3050
7440-62-2	Vanadium	17.8	N	1	0.28	2.11	mg/Kg	01/30/25 10:15	01/30/25 16:58	SW6010	SW3050
7440-66-6	Zinc	199	N	1	0.12	2.11	mg/Kg	01/30/25 10:15	01/30/25 16:58	SW6010	SW3050

Color Before:	Brown	Clarity Before:	Texture:	Medium
Color After:	Yellow	Clarity After:	Artifacts:	
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
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 N =Spiked sample recovery not within control limits

LAB CHRONICLE

OrderID:	Q1216	OrderDate:	1/29/2025 11:54:00 AM
Client:	RU2 Engineering, LLC	Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR
Contact:	Rutu Manani	Location:	E11,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1216-03	JPP-18.1-012825	SOIL			01/28/25			01/29/25
			Mercury	7471B		01/30/25	01/31/25	
			Metals ICP-TAL	6010D		01/30/25	01/30/25	
Q1216-07	JPP-21.1-012825	SOIL			01/28/25			01/29/25
			Mercury	7471B		01/30/25	01/31/25	
			Metals ICP-TAL	6010D		01/30/25	01/30/25	
Q1216-11	JPP-21.2-012825	SOIL			01/28/25			01/29/25
			Mercury	7471B		01/30/25	01/31/25	
			Metals ICP-TAL	6010D		01/30/25	01/30/25	
Q1216-15	JPP-26.1-012825	SOIL			01/28/25			01/29/25
			Mercury	7471B		01/30/25	01/31/25	
			Metals ICP-TAL	6010D		01/30/25	01/30/25	
Q1216-19	JPP-26.2-012825	SOIL			01/28/25			01/29/25
			Mercury	7471B		01/30/25	01/31/25	
			Metals ICP-TAL	6010D		01/30/25	01/30/25	