

Hit Summary Sheet SW-846

SDG No.: Q1232
Client: RU2 Engineering, LLC

Order ID: Q1232
Project ID: NYCDDC SANTWOBR Brooklyn Bridge

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : JPP-46.2-012925								
Q1232-03	JPP-46.2-012925	SOIL	Aluminum	4460		2.51	5.21	mg/Kg
Q1232-03	JPP-46.2-012925	SOIL	Antimony	0.20	J	0.16	2.61	mg/Kg
Q1232-03	JPP-46.2-012925	SOIL	Arsenic	2.69		0.30	1.04	mg/Kg
Q1232-03	JPP-46.2-012925	SOIL	Barium	45.2		0.67	5.21	mg/Kg
Q1232-03	JPP-46.2-012925	SOIL	Beryllium	0.37		0.013	0.31	mg/Kg
Q1232-03	JPP-46.2-012925	SOIL	Cadmium	0.21	J	0.017	0.31	mg/Kg
Q1232-03	JPP-46.2-012925	SOIL	Calcium	7210		2.92	104	mg/Kg
Q1232-03	JPP-46.2-012925	SOIL	Chromium	10.5		0.056	0.52	mg/Kg
Q1232-03	JPP-46.2-012925	SOIL	Cobalt	5.10		0.060	1.56	mg/Kg
Q1232-03	JPP-46.2-012925	SOIL	Copper	72.6		0.49	1.04	mg/Kg
Q1232-03	JPP-46.2-012925	SOIL	Iron	10400		2.81	5.21	mg/Kg
Q1232-03	JPP-46.2-012925	SOIL	Lead	109		0.16	0.63	mg/Kg
Q1232-03	JPP-46.2-012925	SOIL	Magnesium	2260		3.58	104	mg/Kg
Q1232-03	JPP-46.2-012925	SOIL	Manganese	213		0.074	1.04	mg/Kg
Q1232-03	JPP-46.2-012925	SOIL	Mercury	0.29		0.0060	0.013	mg/Kg
Q1232-03	JPP-46.2-012925	SOIL	Nickel	16.9		0.094	2.09	mg/Kg
Q1232-03	JPP-46.2-012925	SOIL	Potassium	970		29.9	104	mg/Kg
Q1232-03	JPP-46.2-012925	SOIL	Sodium	403		37.6	104	mg/Kg
Q1232-03	JPP-46.2-012925	SOIL	Vanadium	15.2		0.28	2.09	mg/Kg
Q1232-03	JPP-46.2-012925	SOIL	Zinc	106		0.12	2.09	mg/Kg
Client ID : JPP-46.1-012925								
Q1232-07	JPP-46.1-012925	SOIL	Aluminum	3300		2.27	4.71	mg/Kg
Q1232-07	JPP-46.1-012925	SOIL	Arsenic	2.04		0.27	0.94	mg/Kg
Q1232-07	JPP-46.1-012925	SOIL	Barium	33.0		0.60	4.71	mg/Kg
Q1232-07	JPP-46.1-012925	SOIL	Beryllium	0.35		0.011	0.28	mg/Kg
Q1232-07	JPP-46.1-012925	SOIL	Cadmium	0.84		0.015	0.28	mg/Kg
Q1232-07	JPP-46.1-012925	SOIL	Calcium	11800		2.64	94.1	mg/Kg
Q1232-07	JPP-46.1-012925	SOIL	Chromium	9.90		0.051	0.47	mg/Kg
Q1232-07	JPP-46.1-012925	SOIL	Cobalt	6.02		0.055	1.41	mg/Kg
Q1232-07	JPP-46.1-012925	SOIL	Copper	31.7		0.44	0.94	mg/Kg
Q1232-07	JPP-46.1-012925	SOIL	Iron	9810		2.53	4.71	mg/Kg
Q1232-07	JPP-46.1-012925	SOIL	Lead	34.9		0.14	0.56	mg/Kg
Q1232-07	JPP-46.1-012925	SOIL	Magnesium	4220		3.23	94.1	mg/Kg
Q1232-07	JPP-46.1-012925	SOIL	Manganese	145		0.067	0.94	mg/Kg
Q1232-07	JPP-46.1-012925	SOIL	Mercury	0.072		0.0060	0.014	mg/Kg
Q1232-07	JPP-46.1-012925	SOIL	Nickel	14.0		0.085	1.88	mg/Kg
Q1232-07	JPP-46.1-012925	SOIL	Potassium	1080		27.0	94.1	mg/Kg

Hit Summary Sheet
SW-846

SDG No.: Q1232
Client: RU2 Engineering, LLC

Order ID: Q1232
Project ID: NYCDDC SANTWOBR Brooklyn Bridge

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q1232-07	JPP-46.1-012925	SOIL	Sodium	323		34.0	94.1	mg/Kg
Q1232-07	JPP-46.1-012925	SOIL	Vanadium	12.1		0.25	1.88	mg/Kg
Q1232-07	JPP-46.1-012925	SOIL	Zinc	42.3		0.10	1.88	mg/Kg
Client ID : JPP-42.1-012925								
Q1232-11	JPP-42.1-012925	SOIL	Aluminum	4770		2.44	5.07	mg/Kg
Q1232-11	JPP-42.1-012925	SOIL	Antimony	0.42	J	0.15	2.53	mg/Kg
Q1232-11	JPP-42.1-012925	SOIL	Arsenic	3.68		0.29	1.01	mg/Kg
Q1232-11	JPP-42.1-012925	SOIL	Barium	70.0		0.65	5.07	mg/Kg
Q1232-11	JPP-42.1-012925	SOIL	Beryllium	0.33		0.012	0.30	mg/Kg
Q1232-11	JPP-42.1-012925	SOIL	Cadmium	0.43		0.016	0.30	mg/Kg
Q1232-11	JPP-42.1-012925	SOIL	Calcium	30500		2.84	101	mg/Kg
Q1232-11	JPP-42.1-012925	SOIL	Chromium	13.1		0.055	0.51	mg/Kg
Q1232-11	JPP-42.1-012925	SOIL	Cobalt	5.90		0.059	1.52	mg/Kg
Q1232-11	JPP-42.1-012925	SOIL	Copper	40.7		0.48	1.01	mg/Kg
Q1232-11	JPP-42.1-012925	SOIL	Iron	10500		2.73	5.07	mg/Kg
Q1232-11	JPP-42.1-012925	SOIL	Lead	118		0.15	0.61	mg/Kg
Q1232-11	JPP-42.1-012925	SOIL	Magnesium	3470		3.48	101	mg/Kg
Q1232-11	JPP-42.1-012925	SOIL	Manganese	240		0.072	1.01	mg/Kg
Q1232-11	JPP-42.1-012925	SOIL	Mercury	0.44		0.0060	0.014	mg/Kg
Q1232-11	JPP-42.1-012925	SOIL	Nickel	16.1		0.091	2.03	mg/Kg
Q1232-11	JPP-42.1-012925	SOIL	Potassium	1350		29.1	101	mg/Kg
Q1232-11	JPP-42.1-012925	SOIL	Sodium	470		36.6	101	mg/Kg
Q1232-11	JPP-42.1-012925	SOIL	Vanadium	17.6		0.27	2.03	mg/Kg
Q1232-11	JPP-42.1-012925	SOIL	Zinc	91.5		0.11	2.03	mg/Kg
Client ID : JPP-42.2-012925								
Q1232-15	JPP-42.2-012925	SOIL	Aluminum	3500		2.56	5.31	mg/Kg
Q1232-15	JPP-42.2-012925	SOIL	Antimony	0.28	J	0.16	2.66	mg/Kg
Q1232-15	JPP-42.2-012925	SOIL	Arsenic	2.80		0.31	1.06	mg/Kg
Q1232-15	JPP-42.2-012925	SOIL	Barium	41.0		0.68	5.31	mg/Kg
Q1232-15	JPP-42.2-012925	SOIL	Beryllium	0.29	J	0.013	0.32	mg/Kg
Q1232-15	JPP-42.2-012925	SOIL	Cadmium	0.23	J	0.017	0.32	mg/Kg
Q1232-15	JPP-42.2-012925	SOIL	Calcium	16600		2.97	106	mg/Kg
Q1232-15	JPP-42.2-012925	SOIL	Chromium	9.32		0.057	0.53	mg/Kg
Q1232-15	JPP-42.2-012925	SOIL	Cobalt	4.33		0.062	1.59	mg/Kg
Q1232-15	JPP-42.2-012925	SOIL	Copper	32.4		0.50	1.06	mg/Kg
Q1232-15	JPP-42.2-012925	SOIL	Iron	9530		2.86	5.31	mg/Kg
Q1232-15	JPP-42.2-012925	SOIL	Lead	70.1		0.16	0.64	mg/Kg
Q1232-15	JPP-42.2-012925	SOIL	Magnesium	2780		3.64	106	mg/Kg
Q1232-15	JPP-42.2-012925	SOIL	Manganese	137		0.075	1.06	mg/Kg

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SDG No.: Q1232

Order ID: Q1232

Client: RU2 Engineering, LLC

Project ID: NYCDDC SANTWOBR Brooklyn Bridge

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q1232-15	JPP-42.2-012925	SOIL	Mercury	0.20		0.0060	0.013	mg/Kg
Q1232-15	JPP-42.2-012925	SOIL	Nickel	14.9		0.096	2.12	mg/Kg
Q1232-15	JPP-42.2-012925	SOIL	Potassium	958		30.5	106	mg/Kg
Q1232-15	JPP-42.2-012925	SOIL	Sodium	244		38.4	106	mg/Kg
Q1232-15	JPP-42.2-012925	SOIL	Vanadium	13.5		0.29	2.12	mg/Kg
Q1232-15	JPP-42.2-012925	SOIL	Zinc	61.0		0.12	2.12	mg/Kg
Client ID : JPP-51.1-012925								
Q1232-19	JPP-51.1-012925	SOIL	Aluminum	5750		2.27	4.72	mg/Kg
Q1232-19	JPP-51.1-012925	SOIL	Antimony	0.30	J	0.14	2.36	mg/Kg
Q1232-19	JPP-51.1-012925	SOIL	Arsenic	4.88		0.27	0.94	mg/Kg
Q1232-19	JPP-51.1-012925	SOIL	Barium	97.2		0.60	4.72	mg/Kg
Q1232-19	JPP-51.1-012925	SOIL	Beryllium	0.44		0.011	0.28	mg/Kg
Q1232-19	JPP-51.1-012925	SOIL	Cadmium	0.79		0.015	0.28	mg/Kg
Q1232-19	JPP-51.1-012925	SOIL	Calcium	20800		2.64	94.3	mg/Kg
Q1232-19	JPP-51.1-012925	SOIL	Chromium	14.9		0.051	0.47	mg/Kg
Q1232-19	JPP-51.1-012925	SOIL	Cobalt	7.21		0.055	1.41	mg/Kg
Q1232-19	JPP-51.1-012925	SOIL	Copper	70.6		0.44	0.94	mg/Kg
Q1232-19	JPP-51.1-012925	SOIL	Iron	13800		2.54	4.72	mg/Kg
Q1232-19	JPP-51.1-012925	SOIL	Lead	225		0.14	0.57	mg/Kg
Q1232-19	JPP-51.1-012925	SOIL	Magnesium	4590		3.23	94.3	mg/Kg
Q1232-19	JPP-51.1-012925	SOIL	Manganese	228		0.067	0.94	mg/Kg
Q1232-19	JPP-51.1-012925	SOIL	Mercury	0.87	D	0.027	0.061	mg/Kg
Q1232-19	JPP-51.1-012925	SOIL	Nickel	25.2		0.085	1.89	mg/Kg
Q1232-19	JPP-51.1-012925	SOIL	Potassium	1230		27.1	94.3	mg/Kg
Q1232-19	JPP-51.1-012925	SOIL	Sodium	590		34.0	94.3	mg/Kg
Q1232-19	JPP-51.1-012925	SOIL	Vanadium	20.9		0.26	1.89	mg/Kg
Q1232-19	JPP-51.1-012925	SOIL	Zinc	160		0.10	1.89	mg/Kg



SAMPLE DATA

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/29/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/30/25
Client Sample ID:	JPP-46.2-012925	SDG No.:	Q1232
Lab Sample ID:	Q1232-03	Matrix:	SOIL
Level (low/med):	low	% Solid:	89.2

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	4460		1	2.51	5.21	mg/Kg	01/30/25 15:10	01/31/25 13:22	SW6010	SW3050
7440-36-0	Antimony	0.20	JN	1	0.16	2.61	mg/Kg	01/30/25 15:10	01/31/25 13:22	SW6010	SW3050
7440-38-2	Arsenic	2.69		1	0.30	1.04	mg/Kg	01/30/25 15:10	01/31/25 13:22	SW6010	SW3050
7440-39-3	Barium	45.2		1	0.67	5.21	mg/Kg	01/30/25 15:10	01/31/25 13:22	SW6010	SW3050
7440-41-7	Beryllium	0.37		1	0.013	0.31	mg/Kg	01/30/25 15:10	01/31/25 13:22	SW6010	SW3050
7440-43-9	Cadmium	0.21	J	1	0.017	0.31	mg/Kg	01/30/25 15:10	01/31/25 13:22	SW6010	SW3050
7440-70-2	Calcium	7210		1	2.92	104	mg/Kg	01/30/25 15:10	01/31/25 13:22	SW6010	SW3050
7440-47-3	Chromium	10.5		1	0.056	0.52	mg/Kg	01/30/25 15:10	01/31/25 13:22	SW6010	SW3050
7440-48-4	Cobalt	5.10		1	0.060	1.56	mg/Kg	01/30/25 15:10	01/31/25 13:22	SW6010	SW3050
7440-50-8	Copper	72.6		1	0.49	1.04	mg/Kg	01/30/25 15:10	01/31/25 13:22	SW6010	SW3050
7439-89-6	Iron	10400		1	2.81	5.21	mg/Kg	01/30/25 15:10	01/31/25 13:22	SW6010	SW3050
7439-92-1	Lead	109	N	1	0.16	0.63	mg/Kg	01/30/25 15:10	01/31/25 13:22	SW6010	SW3050
7439-95-4	Magnesium	2260		1	3.58	104	mg/Kg	01/30/25 15:10	01/31/25 13:22	SW6010	SW3050
7439-96-5	Manganese	213		1	0.074	1.04	mg/Kg	01/30/25 15:10	01/31/25 13:22	SW6010	SW3050
7439-97-6	Mercury	0.29		1	0.0060	0.013	mg/Kg	01/30/25 16:50	01/31/25 14:01	SW7471B	
7440-02-0	Nickel	16.9		1	0.094	2.09	mg/Kg	01/30/25 15:10	01/31/25 13:22	SW6010	SW3050
7440-09-7	Potassium	970	N	1	29.9	104	mg/Kg	01/30/25 15:10	01/31/25 13:22	SW6010	SW3050
7782-49-2	Selenium	1.04	U	1	0.34	1.04	mg/Kg	01/30/25 15:10	01/31/25 13:22	SW6010	SW3050
7440-22-4	Silver	0.52	U	1	0.054	0.52	mg/Kg	01/30/25 15:10	01/31/25 13:22	SW6010	SW3050
7440-23-5	Sodium	403		1	37.6	104	mg/Kg	01/30/25 15:10	01/31/25 13:22	SW6010	SW3050
7440-28-0	Thallium	2.09	U	1	0.46	2.09	mg/Kg	01/30/25 15:10	01/31/25 13:22	SW6010	SW3050
7440-62-2	Vanadium	15.2	N	1	0.28	2.09	mg/Kg	01/30/25 15:10	01/31/25 13:22	SW6010	SW3050
7440-66-6	Zinc	106		1	0.12	2.09	mg/Kg	01/30/25 15:10	01/31/25 13:22	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:	01/29/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/30/25
Client Sample ID:	JPP-46.1-012925	SDG No.:	Q1232
Lab Sample ID:	Q1232-07	Matrix:	SOIL
Level (low/med):	low	% Solid:	94

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	3300		1	2.27	4.71	mg/Kg	01/30/25 15:10	01/31/25 13:27	SW6010	SW3050
7440-36-0	Antimony	2.35	UN	1	0.14	2.35	mg/Kg	01/30/25 15:10	01/31/25 13:27	SW6010	SW3050
7440-38-2	Arsenic	2.04		1	0.27	0.94	mg/Kg	01/30/25 15:10	01/31/25 13:27	SW6010	SW3050
7440-39-3	Barium	33.0		1	0.60	4.71	mg/Kg	01/30/25 15:10	01/31/25 13:27	SW6010	SW3050
7440-41-7	Beryllium	0.35		1	0.011	0.28	mg/Kg	01/30/25 15:10	01/31/25 13:27	SW6010	SW3050
7440-43-9	Cadmium	0.84		1	0.015	0.28	mg/Kg	01/30/25 15:10	01/31/25 13:27	SW6010	SW3050
7440-70-2	Calcium	11800		1	2.64	94.1	mg/Kg	01/30/25 15:10	01/31/25 13:27	SW6010	SW3050
7440-47-3	Chromium	9.90		1	0.051	0.47	mg/Kg	01/30/25 15:10	01/31/25 13:27	SW6010	SW3050
7440-48-4	Cobalt	6.02		1	0.055	1.41	mg/Kg	01/30/25 15:10	01/31/25 13:27	SW6010	SW3050
7440-50-8	Copper	31.7		1	0.44	0.94	mg/Kg	01/30/25 15:10	01/31/25 13:27	SW6010	SW3050
7439-89-6	Iron	9810		1	2.53	4.71	mg/Kg	01/30/25 15:10	01/31/25 13:27	SW6010	SW3050
7439-92-1	Lead	34.9	N	1	0.14	0.56	mg/Kg	01/30/25 15:10	01/31/25 13:27	SW6010	SW3050
7439-95-4	Magnesium	4220		1	3.23	94.1	mg/Kg	01/30/25 15:10	01/31/25 13:27	SW6010	SW3050
7439-96-5	Manganese	145		1	0.067	0.94	mg/Kg	01/30/25 15:10	01/31/25 13:27	SW6010	SW3050
7439-97-6	Mercury	0.072		1	0.0060	0.014	mg/Kg	01/30/25 16:50	01/31/25 14:03	SW7471B	
7440-02-0	Nickel	14.0		1	0.085	1.88	mg/Kg	01/30/25 15:10	01/31/25 13:27	SW6010	SW3050
7440-09-7	Potassium	1080	N	1	27.0	94.1	mg/Kg	01/30/25 15:10	01/31/25 13:27	SW6010	SW3050
7782-49-2	Selenium	0.94	U	1	0.31	0.94	mg/Kg	01/30/25 15:10	01/31/25 13:27	SW6010	SW3050
7440-22-4	Silver	0.47	U	1	0.049	0.47	mg/Kg	01/30/25 15:10	01/31/25 13:27	SW6010	SW3050
7440-23-5	Sodium	323		1	34.0	94.1	mg/Kg	01/30/25 15:10	01/31/25 13:27	SW6010	SW3050
7440-28-0	Thallium	1.88	U	1	0.41	1.88	mg/Kg	01/30/25 15:10	01/31/25 13:27	SW6010	SW3050
7440-62-2	Vanadium	12.1	N	1	0.25	1.88	mg/Kg	01/30/25 15:10	01/31/25 13:27	SW6010	SW3050
7440-66-6	Zinc	42.3		1	0.10	1.88	mg/Kg	01/30/25 15:10	01/31/25 13:27	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:	01/29/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/30/25
Client Sample ID:	JPP-42.1-012925	SDG No.:	Q1232
Lab Sample ID:	Q1232-11	Matrix:	SOIL
Level (low/med):	low	% Solid:	88.1

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	4770		1	2.44	5.07	mg/Kg	01/30/25 15:10	01/31/25 13:31	SW6010	SW3050
7440-36-0	Antimony	0.42	JN	1	0.15	2.53	mg/Kg	01/30/25 15:10	01/31/25 13:31	SW6010	SW3050
7440-38-2	Arsenic	3.68		1	0.29	1.01	mg/Kg	01/30/25 15:10	01/31/25 13:31	SW6010	SW3050
7440-39-3	Barium	70.0		1	0.65	5.07	mg/Kg	01/30/25 15:10	01/31/25 13:31	SW6010	SW3050
7440-41-7	Beryllium	0.33		1	0.012	0.30	mg/Kg	01/30/25 15:10	01/31/25 13:31	SW6010	SW3050
7440-43-9	Cadmium	0.43		1	0.016	0.30	mg/Kg	01/30/25 15:10	01/31/25 13:31	SW6010	SW3050
7440-70-2	Calcium	30500		1	2.84	101	mg/Kg	01/30/25 15:10	01/31/25 13:31	SW6010	SW3050
7440-47-3	Chromium	13.1		1	0.055	0.51	mg/Kg	01/30/25 15:10	01/31/25 13:31	SW6010	SW3050
7440-48-4	Cobalt	5.90		1	0.059	1.52	mg/Kg	01/30/25 15:10	01/31/25 13:31	SW6010	SW3050
7440-50-8	Copper	40.7		1	0.48	1.01	mg/Kg	01/30/25 15:10	01/31/25 13:31	SW6010	SW3050
7439-89-6	Iron	10500		1	2.73	5.07	mg/Kg	01/30/25 15:10	01/31/25 13:31	SW6010	SW3050
7439-92-1	Lead	118	N	1	0.15	0.61	mg/Kg	01/30/25 15:10	01/31/25 13:31	SW6010	SW3050
7439-95-4	Magnesium	3470		1	3.48	101	mg/Kg	01/30/25 15:10	01/31/25 13:31	SW6010	SW3050
7439-96-5	Manganese	240		1	0.072	1.01	mg/Kg	01/30/25 15:10	01/31/25 13:31	SW6010	SW3050
7439-97-6	Mercury	0.44		1	0.0060	0.014	mg/Kg	01/30/25 16:50	01/31/25 14:05	SW7471B	
7440-02-0	Nickel	16.1		1	0.091	2.03	mg/Kg	01/30/25 15:10	01/31/25 13:31	SW6010	SW3050
7440-09-7	Potassium	1350	N	1	29.1	101	mg/Kg	01/30/25 15:10	01/31/25 13:31	SW6010	SW3050
7782-49-2	Selenium	1.01	U	1	0.33	1.01	mg/Kg	01/30/25 15:10	01/31/25 13:31	SW6010	SW3050
7440-22-4	Silver	0.51	U	1	0.053	0.51	mg/Kg	01/30/25 15:10	01/31/25 13:31	SW6010	SW3050
7440-23-5	Sodium	470		1	36.6	101	mg/Kg	01/30/25 15:10	01/31/25 13:31	SW6010	SW3050
7440-28-0	Thallium	2.03	U	1	0.45	2.03	mg/Kg	01/30/25 15:10	01/31/25 13:31	SW6010	SW3050
7440-62-2	Vanadium	17.6	N	1	0.27	2.03	mg/Kg	01/30/25 15:10	01/31/25 13:31	SW6010	SW3050
7440-66-6	Zinc	91.5		1	0.11	2.03	mg/Kg	01/30/25 15:10	01/31/25 13:31	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:	01/29/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/30/25
Client Sample ID:	JPP-42.2-012925	SDG No.:	Q1232
Lab Sample ID:	Q1232-15	Matrix:	SOIL
Level (low/med):	low	% Solid:	93.2

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	3500		1	2.56	5.31	mg/Kg	01/30/25 15:10	01/31/25 13:35	SW6010	SW3050
7440-36-0	Antimony	0.28	JN	1	0.16	2.66	mg/Kg	01/30/25 15:10	01/31/25 13:35	SW6010	SW3050
7440-38-2	Arsenic	2.80		1	0.31	1.06	mg/Kg	01/30/25 15:10	01/31/25 13:35	SW6010	SW3050
7440-39-3	Barium	41.0		1	0.68	5.31	mg/Kg	01/30/25 15:10	01/31/25 13:35	SW6010	SW3050
7440-41-7	Beryllium	0.29	J	1	0.013	0.32	mg/Kg	01/30/25 15:10	01/31/25 13:35	SW6010	SW3050
7440-43-9	Cadmium	0.23	J	1	0.017	0.32	mg/Kg	01/30/25 15:10	01/31/25 13:35	SW6010	SW3050
7440-70-2	Calcium	16600		1	2.97	106	mg/Kg	01/30/25 15:10	01/31/25 13:35	SW6010	SW3050
7440-47-3	Chromium	9.32		1	0.057	0.53	mg/Kg	01/30/25 15:10	01/31/25 13:35	SW6010	SW3050
7440-48-4	Cobalt	4.33		1	0.062	1.59	mg/Kg	01/30/25 15:10	01/31/25 13:35	SW6010	SW3050
7440-50-8	Copper	32.4		1	0.50	1.06	mg/Kg	01/30/25 15:10	01/31/25 13:35	SW6010	SW3050
7439-89-6	Iron	9530		1	2.86	5.31	mg/Kg	01/30/25 15:10	01/31/25 13:35	SW6010	SW3050
7439-92-1	Lead	70.1	N	1	0.16	0.64	mg/Kg	01/30/25 15:10	01/31/25 13:35	SW6010	SW3050
7439-95-4	Magnesium	2780		1	3.64	106	mg/Kg	01/30/25 15:10	01/31/25 13:35	SW6010	SW3050
7439-96-5	Manganese	137		1	0.075	1.06	mg/Kg	01/30/25 15:10	01/31/25 13:35	SW6010	SW3050
7439-97-6	Mercury	0.20		1	0.0060	0.013	mg/Kg	01/30/25 16:50	01/31/25 14:08	SW7471B	
7440-02-0	Nickel	14.9		1	0.096	2.12	mg/Kg	01/30/25 15:10	01/31/25 13:35	SW6010	SW3050
7440-09-7	Potassium	958	N	1	30.5	106	mg/Kg	01/30/25 15:10	01/31/25 13:35	SW6010	SW3050
7782-49-2	Selenium	1.06	U	1	0.35	1.06	mg/Kg	01/30/25 15:10	01/31/25 13:35	SW6010	SW3050
7440-22-4	Silver	0.53	U	1	0.055	0.53	mg/Kg	01/30/25 15:10	01/31/25 13:35	SW6010	SW3050
7440-23-5	Sodium	244		1	38.4	106	mg/Kg	01/30/25 15:10	01/31/25 13:35	SW6010	SW3050
7440-28-0	Thallium	2.12	U	1	0.47	2.12	mg/Kg	01/30/25 15:10	01/31/25 13:35	SW6010	SW3050
7440-62-2	Vanadium	13.5	N	1	0.29	2.12	mg/Kg	01/30/25 15:10	01/31/25 13:35	SW6010	SW3050
7440-66-6	Zinc	61.0		1	0.12	2.12	mg/Kg	01/30/25 15:10	01/31/25 13:35	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:	01/29/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/30/25
Client Sample ID:	JPP-51.1-012925	SDG No.:	Q1232
Lab Sample ID:	Q1232-19	Matrix:	SOIL
Level (low/med):	low	% Solid:	95.1

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	5750		1	2.27	4.72	mg/Kg	01/30/25 15:10	01/31/25 13:39	SW6010	SW3050
7440-36-0	Antimony	0.30	JN	1	0.14	2.36	mg/Kg	01/30/25 15:10	01/31/25 13:39	SW6010	SW3050
7440-38-2	Arsenic	4.88		1	0.27	0.94	mg/Kg	01/30/25 15:10	01/31/25 13:39	SW6010	SW3050
7440-39-3	Barium	97.2		1	0.60	4.72	mg/Kg	01/30/25 15:10	01/31/25 13:39	SW6010	SW3050
7440-41-7	Beryllium	0.44		1	0.011	0.28	mg/Kg	01/30/25 15:10	01/31/25 13:39	SW6010	SW3050
7440-43-9	Cadmium	0.79		1	0.015	0.28	mg/Kg	01/30/25 15:10	01/31/25 13:39	SW6010	SW3050
7440-70-2	Calcium	20800		1	2.64	94.3	mg/Kg	01/30/25 15:10	01/31/25 13:39	SW6010	SW3050
7440-47-3	Chromium	14.9		1	0.051	0.47	mg/Kg	01/30/25 15:10	01/31/25 13:39	SW6010	SW3050
7440-48-4	Cobalt	7.21		1	0.055	1.41	mg/Kg	01/30/25 15:10	01/31/25 13:39	SW6010	SW3050
7440-50-8	Copper	70.6		1	0.44	0.94	mg/Kg	01/30/25 15:10	01/31/25 13:39	SW6010	SW3050
7439-89-6	Iron	13800		1	2.54	4.72	mg/Kg	01/30/25 15:10	01/31/25 13:39	SW6010	SW3050
7439-92-1	Lead	225	N	1	0.14	0.57	mg/Kg	01/30/25 15:10	01/31/25 13:39	SW6010	SW3050
7439-95-4	Magnesium	4590		1	3.23	94.3	mg/Kg	01/30/25 15:10	01/31/25 13:39	SW6010	SW3050
7439-96-5	Manganese	228		1	0.067	0.94	mg/Kg	01/30/25 15:10	01/31/25 13:39	SW6010	SW3050
7439-97-6	Mercury	0.87	D	5	0.027	0.061	mg/Kg	01/30/25 16:50	01/31/25 14:49	SW7471B	
7440-02-0	Nickel	25.2		1	0.085	1.89	mg/Kg	01/30/25 15:10	01/31/25 13:39	SW6010	SW3050
7440-09-7	Potassium	1230	N	1	27.1	94.3	mg/Kg	01/30/25 15:10	01/31/25 13:39	SW6010	SW3050
7782-49-2	Selenium	0.94	U	1	0.31	0.94	mg/Kg	01/30/25 15:10	01/31/25 13:39	SW6010	SW3050
7440-22-4	Silver	0.47	U	1	0.049	0.47	mg/Kg	01/30/25 15:10	01/31/25 13:39	SW6010	SW3050
7440-23-5	Sodium	590		1	34.0	94.3	mg/Kg	01/30/25 15:10	01/31/25 13:39	SW6010	SW3050
7440-28-0	Thallium	1.89	U	1	0.42	1.89	mg/Kg	01/30/25 15:10	01/31/25 13:39	SW6010	SW3050
7440-62-2	Vanadium	20.9	N	1	0.26	1.89	mg/Kg	01/30/25 15:10	01/31/25 13:39	SW6010	SW3050
7440-66-6	Zinc	160		1	0.10	1.89	mg/Kg	01/30/25 15:10	01/31/25 13:39	SW6010	SW3050

Color Before:	Brown	Clarity Before:	Texture:	Medium
Color After:	Yellow	Clarity After:	Artifacts:	
Comments:	METALS-TAL			

U = Not Detected
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LAB CHRONICLE

OrderID:	Q1232	OrderDate:	1/30/2025 11:55:00 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
Q1232-03	JPP-46.2-012925	SOIL			01/29/25			01/30/25
			Mercury	7471B		01/30/25	01/31/25	
			Metals ICP-TAL	6010D		01/30/25	01/31/25	
Q1232-07	JPP-46.1-012925	SOIL			01/29/25			01/30/25
			Mercury	7471B		01/30/25	01/31/25	
			Metals ICP-TAL	6010D		01/30/25	01/31/25	
Q1232-11	JPP-42.1-012925	SOIL			01/29/25			01/30/25
			Mercury	7471B		01/30/25	01/31/25	
			Metals ICP-TAL	6010D		01/30/25	01/31/25	
Q1232-15	JPP-42.2-012925	SOIL			01/29/25			01/30/25
			Mercury	7471B		01/30/25	01/31/25	
			Metals ICP-TAL	6010D		01/30/25	01/31/25	
Q1232-19	JPP-51.1-012925	SOIL			01/29/25			01/30/25
			Mercury	7471B		01/30/25	01/31/25	
			Metals ICP-TAL	6010D		01/30/25	01/31/25	