

Hit Summary Sheet
SW-846

SDG No.:	Q1215	Order ID:	Q1215
Client:	RU2 Engineering, LLC	Project ID:	NYCDDC SANTWOBR Brooklyn Bridge

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : JPP-29.1-012825								
Q1215-03	JPP-29.1-012825	SOIL	Aluminum	2600		2.57	5.34	mg/Kg
Q1215-03	JPP-29.1-012825	SOIL	Antimony	0.97	J	0.16	2.67	mg/Kg
Q1215-03	JPP-29.1-012825	SOIL	Arsenic	5.17		0.31	1.07	mg/Kg
Q1215-03	JPP-29.1-012825	SOIL	Barium	47.1		0.68	5.34	mg/Kg
Q1215-03	JPP-29.1-012825	SOIL	Beryllium	0.29	J	0.013	0.32	mg/Kg
Q1215-03	JPP-29.1-012825	SOIL	Calcium	3440		2.99	107	mg/Kg
Q1215-03	JPP-29.1-012825	SOIL	Chromium	8.37		0.058	0.53	mg/Kg
Q1215-03	JPP-29.1-012825	SOIL	Cobalt	4.11		0.062	1.60	mg/Kg
Q1215-03	JPP-29.1-012825	SOIL	Copper	82.3		0.50	1.07	mg/Kg
Q1215-03	JPP-29.1-012825	SOIL	Iron	8680		2.87	5.34	mg/Kg
Q1215-03	JPP-29.1-012825	SOIL	Lead	166		0.16	0.64	mg/Kg
Q1215-03	JPP-29.1-012825	SOIL	Magnesium	1770		3.66	107	mg/Kg
Q1215-03	JPP-29.1-012825	SOIL	Manganese	139		0.076	1.07	mg/Kg
Q1215-03	JPP-29.1-012825	SOIL	Mercury	0.41		0.0070	0.015	mg/Kg
Q1215-03	JPP-29.1-012825	SOIL	Nickel	13.3		0.096	2.13	mg/Kg
Q1215-03	JPP-29.1-012825	SOIL	Potassium	716		30.6	107	mg/Kg
Q1215-03	JPP-29.1-012825	SOIL	Silver	0.19	J	0.056	0.53	mg/Kg
Q1215-03	JPP-29.1-012825	SOIL	Sodium	1870		38.5	107	mg/Kg
Q1215-03	JPP-29.1-012825	SOIL	Vanadium	11.0		0.29	2.13	mg/Kg
Q1215-03	JPP-29.1-012825	SOIL	Zinc	67.4		0.12	2.13	mg/Kg
Client ID : JPP-29.2-012825								
Q1215-07	JPP-29.2-012825	SOIL	Aluminum	2710		2.50	5.19	mg/Kg
Q1215-07	JPP-29.2-012825	SOIL	Antimony	1.03	J	0.16	2.59	mg/Kg
Q1215-07	JPP-29.2-012825	SOIL	Arsenic	4.30		0.30	1.04	mg/Kg
Q1215-07	JPP-29.2-012825	SOIL	Barium	37.3		0.66	5.19	mg/Kg
Q1215-07	JPP-29.2-012825	SOIL	Beryllium	0.29	J	0.012	0.31	mg/Kg
Q1215-07	JPP-29.2-012825	SOIL	Cadmium	0.028	J	0.017	0.31	mg/Kg
Q1215-07	JPP-29.2-012825	SOIL	Calcium	16200		2.91	104	mg/Kg
Q1215-07	JPP-29.2-012825	SOIL	Chromium	8.82		0.056	0.52	mg/Kg
Q1215-07	JPP-29.2-012825	SOIL	Cobalt	3.41		0.060	1.56	mg/Kg
Q1215-07	JPP-29.2-012825	SOIL	Copper	46.3		0.49	1.04	mg/Kg
Q1215-07	JPP-29.2-012825	SOIL	Iron	7920		2.79	5.19	mg/Kg
Q1215-07	JPP-29.2-012825	SOIL	Lead	120		0.16	0.62	mg/Kg
Q1215-07	JPP-29.2-012825	SOIL	Magnesium	5230		3.56	104	mg/Kg
Q1215-07	JPP-29.2-012825	SOIL	Manganese	97.7		0.074	1.04	mg/Kg
Q1215-07	JPP-29.2-012825	SOIL	Mercury	0.57		0.0060	0.014	mg/Kg
Q1215-07	JPP-29.2-012825	SOIL	Nickel	9.47		0.093	2.08	mg/Kg

Hit Summary Sheet
SW-846

SDG No.:	Q1215	Order ID:	Q1215
Client:	RU2 Engineering, LLC	Project ID:	NYCDDC SANTWOBR Brooklyn Bridge

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q1215-07	JPP-29.2-012825	SOIL	Potassium	656		29.8	104	mg/Kg
Q1215-07	JPP-29.2-012825	SOIL	Silver	0.059	J	0.054	0.52	mg/Kg
Q1215-07	JPP-29.2-012825	SOIL	Sodium	1700		37.5	104	mg/Kg
Q1215-07	JPP-29.2-012825	SOIL	Vanadium	10.0		0.28	2.08	mg/Kg
Q1215-07	JPP-29.2-012825	SOIL	Zinc	73.7		0.11	2.08	mg/Kg



SAMPLE DATA

A

B

C

D

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-29.1-012825	SDG No.:	Q1215
Lab Sample ID:	Q1215-03	Matrix:	SOIL
Level (low/med):	low	% Solid:	88.8

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	2600		1	2.57	5.34	mg/Kg	01/30/25 10:15	01/30/25 17:54	SW6010	SW3050
7440-36-0	Antimony	0.97	JN	1	0.16	2.67	mg/Kg	01/30/25 10:15	01/30/25 17:54	SW6010	SW3050
7440-38-2	Arsenic	5.17		1	0.31	1.07	mg/Kg	01/30/25 10:15	01/30/25 17:54	SW6010	SW3050
7440-39-3	Barium	47.1	N	1	0.68	5.34	mg/Kg	01/30/25 10:15	01/30/25 17:54	SW6010	SW3050
7440-41-7	Beryllium	0.29	J	1	0.013	0.32	mg/Kg	01/30/25 10:15	01/30/25 17:54	SW6010	SW3050
7440-43-9	Cadmium	0.32	U	1	0.017	0.32	mg/Kg	01/30/25 10:15	01/30/25 17:54	SW6010	SW3050
7440-70-2	Calcium	3440		1	2.99	107	mg/Kg	01/30/25 10:15	01/30/25 17:54	SW6010	SW3050
7440-47-3	Chromium	8.37	N	1	0.058	0.53	mg/Kg	01/30/25 10:15	01/30/25 17:54	SW6010	SW3050
7440-48-4	Cobalt	4.11	N	1	0.062	1.60	mg/Kg	01/30/25 10:15	01/30/25 17:54	SW6010	SW3050
7440-50-8	Copper	82.3	N	1	0.50	1.07	mg/Kg	01/30/25 10:15	01/30/25 17:54	SW6010	SW3050
7439-89-6	Iron	8680		1	2.87	5.34	mg/Kg	01/30/25 10:15	01/30/25 17:54	SW6010	SW3050
7439-92-1	Lead	166		1	0.16	0.64	mg/Kg	01/30/25 10:15	01/30/25 17:54	SW6010	SW3050
7439-95-4	Magnesium	1770		1	3.66	107	mg/Kg	01/30/25 10:15	01/30/25 17:54	SW6010	SW3050
7439-96-5	Manganese	139		1	0.076	1.07	mg/Kg	01/30/25 10:15	01/30/25 17:54	SW6010	SW3050
7439-97-6	Mercury	0.41	*	1	0.0070	0.015	mg/Kg	02/03/25 10:35	02/03/25 18:23	SW7471B	
7440-02-0	Nickel	13.3		1	0.096	2.13	mg/Kg	01/30/25 10:15	01/30/25 17:54	SW6010	SW3050
7440-09-7	Potassium	716	N	1	30.6	107	mg/Kg	01/30/25 10:15	01/30/25 17:54	SW6010	SW3050
7782-49-2	Selenium	1.07	U	1	0.35	1.07	mg/Kg	01/30/25 10:15	01/30/25 17:54	SW6010	SW3050
7440-22-4	Silver	0.19	J	1	0.056	0.53	mg/Kg	01/30/25 10:15	01/30/25 17:54	SW6010	SW3050
7440-23-5	Sodium	1870	N	1	38.5	107	mg/Kg	01/30/25 10:15	01/30/25 17:54	SW6010	SW3050
7440-28-0	Thallium	2.13	U	1	0.47	2.13	mg/Kg	01/30/25 10:15	01/30/25 17:54	SW6010	SW3050
7440-62-2	Vanadium	11.0	N	1	0.29	2.13	mg/Kg	01/30/25 10:15	01/30/25 17:54	SW6010	SW3050
7440-66-6	Zinc	67.4	N	1	0.12	2.13	mg/Kg	01/30/25 10:15	01/30/25 17:54	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-29.2-012825	SDG No.:	Q1215
Lab Sample ID:	Q1215-07	Matrix:	SOIL
Level (low/med):	low	% Solid:	88.8

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	2710		1	2.50	5.19	mg/Kg	01/30/25 10:15	01/30/25 17:58	SW6010	SW3050
7440-36-0	Antimony	1.03	JN	1	0.16	2.59	mg/Kg	01/30/25 10:15	01/30/25 17:58	SW6010	SW3050
7440-38-2	Arsenic	4.30		1	0.30	1.04	mg/Kg	01/30/25 10:15	01/30/25 17:58	SW6010	SW3050
7440-39-3	Barium	37.3	N	1	0.66	5.19	mg/Kg	01/30/25 10:15	01/30/25 17:58	SW6010	SW3050
7440-41-7	Beryllium	0.29	J	1	0.012	0.31	mg/Kg	01/30/25 10:15	01/30/25 17:58	SW6010	SW3050
7440-43-9	Cadmium	0.028	J	1	0.017	0.31	mg/Kg	01/30/25 10:15	01/30/25 17:58	SW6010	SW3050
7440-70-2	Calcium	16200		1	2.91	104	mg/Kg	01/30/25 10:15	01/30/25 17:58	SW6010	SW3050
7440-47-3	Chromium	8.82	N	1	0.056	0.52	mg/Kg	01/30/25 10:15	01/30/25 17:58	SW6010	SW3050
7440-48-4	Cobalt	3.41	N	1	0.060	1.56	mg/Kg	01/30/25 10:15	01/30/25 17:58	SW6010	SW3050
7440-50-8	Copper	46.3	N	1	0.49	1.04	mg/Kg	01/30/25 10:15	01/30/25 17:58	SW6010	SW3050
7439-89-6	Iron	7920		1	2.79	5.19	mg/Kg	01/30/25 10:15	01/30/25 17:58	SW6010	SW3050
7439-92-1	Lead	120		1	0.16	0.62	mg/Kg	01/30/25 10:15	01/30/25 17:58	SW6010	SW3050
7439-95-4	Magnesium	5230		1	3.56	104	mg/Kg	01/30/25 10:15	01/30/25 17:58	SW6010	SW3050
7439-96-5	Manganese	97.7		1	0.074	1.04	mg/Kg	01/30/25 10:15	01/30/25 17:58	SW6010	SW3050
7439-97-6	Mercury	0.57	*	1	0.0060	0.014	mg/Kg	02/03/25 10:35	02/03/25 18:25	SW7471B	
7440-02-0	Nickel	9.47		1	0.093	2.08	mg/Kg	01/30/25 10:15	01/30/25 17:58	SW6010	SW3050
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7782-49-2	Selenium	1.04	U	1	0.34	1.04	mg/Kg	01/30/25 10:15	01/30/25 17:58	SW6010	SW3050
7440-22-4	Silver	0.059	J	1	0.054	0.52	mg/Kg	01/30/25 10:15	01/30/25 17:58	SW6010	SW3050
7440-23-5	Sodium	1700	N	1	37.5	104	mg/Kg	01/30/25 10:15	01/30/25 17:58	SW6010	SW3050
7440-28-0	Thallium	2.08	U	1	0.46	2.08	mg/Kg	01/30/25 10:15	01/30/25 17:58	SW6010	SW3050
7440-62-2	Vanadium	10.0	N	1	0.28	2.08	mg/Kg	01/30/25 10:15	01/30/25 17:58	SW6010	SW3050
7440-66-6	Zinc	73.7	N	1	0.11	2.08	mg/Kg	01/30/25 10:15	01/30/25 17:58	SW6010	SW3050

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

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LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

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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

LAB CHRONICLE

OrderID:	Q1215	OrderDate:	1/29/2025 11:20:00 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
Q1215-03	JPP-29.1-012825	SOIL			01/28/25			01/29/25
			Mercury	7471B		02/03/25	02/03/25	
			Metals ICP-TAL	6010D		01/30/25	01/30/25	
Q1215-04	JPP-29.1-012825	TCLP			01/28/25			01/29/25
			TCLP ICP Metals	6010D		01/31/25	02/10/25	
			TCLP Mercury	7470A		02/03/25	02/03/25	
Q1215-07	JPP-29.2-012825	SOIL			01/28/25			01/29/25
			Mercury	7471B		02/03/25	02/03/25	
			Metals ICP-TAL	6010D		01/30/25	01/30/25	
Q1215-08	JPP-29.2-012825	TCLP			01/28/25			01/29/25
			TCLP ICP Metals	6010D		01/31/25	02/10/25	
			TCLP Mercury	7470A		02/03/25	02/03/25	