

LAB CHRONICLE

OrderID:	Q1241	OrderDate:	1/30/2025 2:58:00 PM
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
Q1241-03	JPP-3.5-013025	SOIL			01/30/25 08:20			01/30/25
			Paint Filter	9095B			02/04/25 09:10	
Q1241-04	JPP-3.5-013025	SOIL			01/30/25 08:20			01/30/25
			Corrosivity	9045D			01/31/25 17:00	
			Ignitability	1030			01/31/25 13:07	
			Reactive Cyanide	9012B		02/03/25	02/03/25 11:16	
			Reactive Sulfide	9034		01/31/25	01/31/25 15:17	
Q1241-07	JPP-5.3-013025	SOIL			01/30/25 09:00			01/30/25
			Paint Filter	9095B			02/04/25 09:17	
Q1241-08	JPP-5.3-013025	SOIL			01/30/25 09:00			01/30/25
			Corrosivity	9045D			01/31/25 17:05	
			Ignitability	1030			01/31/25 13:15	
			Reactive Cyanide	9012B		02/03/25	02/03/25 11:16	
			Reactive Sulfide	9034		01/31/25	01/31/25 15:20	

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Q1241-11	JPP-5.2-013025	SOIL			01/30/25 09:54		01/30/25
			Paint Filter	9095B		02/04/25 09:25	
Q1241-12	JPP-5.2-013025	SOIL			01/30/25 09:54		01/30/25
			Corrosivity	9045D		01/31/25 17:15	
			Ignitability	1030		01/31/25 13:23	
			Reactive Cyanide	9012B		02/03/25 11:16	
			Reactive Sulfide	9034		01/31/25 15:23	
Q1241-15	JPP-5.4-013025	SOIL			01/30/25 10:51		01/30/25
			Paint Filter	9095B		02/04/25 09:32	
Q1241-16	JPP-5.4-013025	SOIL			01/30/25 10:51		01/30/25
			Corrosivity	9045D		01/31/25 17:25	
			Ignitability	1030		01/31/25 13:30	
			Reactive Cyanide	9012B		02/03/25 11:16	
			Reactive Sulfide	9034		01/31/25 15:25	
Q1241-19	JPP-51.4-013025	SOIL			01/30/25 11:56		01/30/25
			Paint Filter	9095B		02/04/25 09:40	
Q1241-20	JPP-51.4-013025	SOIL			01/30/25 11:56		01/30/25
			Corrosivity	9045D		01/31/25 17:33	

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Ignitability	1030		01/31/25 13:37
Reactive Cyanide	9012B	02/03/25	02/03/25 11:16
Reactive Sulfide	9034	01/31/25	01/31/25 15:28

A

B

C

D



SAMPLE DATA

A

B

C

D

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/30/25 08:20
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/30/25
Client Sample ID:	JPP-3.5-013025	SDG No.:	Q1241
Lab Sample ID:	Q1241-03	Matrix:	SOIL
		% Solid:	82

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Paint Filter	1.00	U	1	1.00	1.00	ml/100gm		02/04/25 09:10	9095B

Comments: _____

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

H = Sample Analysis Out Of Hold Time

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:	01/30/25 08:20
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/30/25
Client Sample ID:	JPP-3.5-013025	SDG No.:	Q1241
Lab Sample ID:	Q1241-04	Matrix:	SOIL
		% Solid:	100

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Corrosivity	8.62	H	1	0	0	pH		01/31/25 17:00	9045D
Ignitability	NO		1	0	0	oC		01/31/25 13:07	1030
Reactive Cyanide	0.050	U	1	0.0088	0.050	mg/Kg	02/03/25 09:00	02/03/25 11:16	9012B
Reactive Sulfide	3.19	J	1	0.19	10.0	mg/Kg	01/31/25 08:50	01/31/25 15:17	9034

Comments: pH result reported at temperature 20.5 °C

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Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/30/25 09:00
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/30/25
Client Sample ID:	JPP-5.3-013025	SDG No.:	Q1241
Lab Sample ID:	Q1241-07	Matrix:	SOIL
		% Solid:	87.8

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Paint Filter	1.00	U	1	1.00	1.00	ml/100gm		02/04/25 09:17	9095B

Comments:

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Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/30/25 09:00
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/30/25
Client Sample ID:	JPP-5.3-013025	SDG No.:	Q1241
Lab Sample ID:	Q1241-08	Matrix:	SOIL
		% Solid:	100

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Corrosivity	10.9	H	1	0	0	pH		01/31/25 17:05	9045D
Ignitability	NO		1	0	0	oC		01/31/25 13:15	1030
Reactive Cyanide	0.050	U	1	0.0087	0.050	mg/Kg	02/03/25 09:00	02/03/25 11:16	9012B
Reactive Sulfide	6.34	J	1	0.19	10.0	mg/Kg	01/31/25 08:50	01/31/25 15:20	9034

Comments: pH result reported at temperature 20.5 °C

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J = Estimated Value

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N =Spiked sample recovery not within control limits

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/30/25 09:54
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/30/25
Client Sample ID:	JPP-5.2-013025	SDG No.:	Q1241
Lab Sample ID:	Q1241-11	Matrix:	SOIL
		% Solid:	88.7

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Paint Filter	1.00	U	1	1.00	1.00	ml/100gm		02/04/25 09:25	9095B

Comments: _____

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Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/30/25 09:54
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/30/25
Client Sample ID:	JPP-5.2-013025	SDG No.:	Q1241
Lab Sample ID:	Q1241-12	Matrix:	SOIL
		% Solid:	100

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Corrosivity	11.3	H	1	0	0	pH		01/31/25 17:15	9045D
Ignitability	NO		1	0	0	oC		01/31/25 13:23	1030
Reactive Cyanide	0.050	U	1	0.0088	0.050	mg/Kg	02/03/25 09:00	02/03/25 11:16	9012B
Reactive Sulfide	3.17	J	1	0.19	10.0	mg/Kg	01/31/25 08:50	01/31/25 15:23	9034

Comments: pH result reported at temperature 20.6 °C

U = Not Detected

LOQ = Limit of Quantitation

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LOD = Limit of Detection

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H = Sample Analysis Out Of Hold Time

J = Estimated Value

B = Analyte Found in Associated Method Blank

* = indicates the duplicate analysis is not within control limits.

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OR = Over Range

N =Spiked sample recovery not within control limits

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/30/25 10:51
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/30/25
Client Sample ID:	JPP-5.4-013025	SDG No.:	Q1241
Lab Sample ID:	Q1241-15	Matrix:	SOIL
		% Solid:	86.6

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Paint Filter	1.00	U	1	1.00	1.00	ml/100gm		02/04/25 09:32	9095B

Comments:

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 LOQ = Limit of Quantitation
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 LOD = Limit of Detection
 D = Dilution
 Q = indicates LCS control criteria did not meet requirements
 H = Sample Analysis Out Of Hold Time

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:	01/30/25 10:51
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/30/25
Client Sample ID:	JPP-5.4-013025	SDG No.:	Q1241
Lab Sample ID:	Q1241-16	Matrix:	SOIL
		% Solid:	100

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Corrosivity	10.0	H	1	0	0	pH		01/31/25 17:25	9045D
Ignitability	NO		1	0	0	oC		01/31/25 13:30	1030
Reactive Cyanide	0.050	U	1	0.0088	0.050	mg/Kg	02/03/25 09:00	02/03/25 11:16	9012B
Reactive Sulfide	1.58	J	1	0.19	10.0	mg/Kg	01/31/25 08:50	01/31/25 15:25	9034

Comments: pH result reported at temperature 21.1 °C

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

H = Sample Analysis Out Of Hold Time

J = Estimated Value

B = Analyte Found in Associated Method Blank

* = indicates the duplicate analysis is not within control limits.

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OR = Over Range

N =Spiked sample recovery not within control limits

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/30/25 11:56
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/30/25
Client Sample ID:	JPP-51.4-013025	SDG No.:	Q1241
Lab Sample ID:	Q1241-19	Matrix:	SOIL
		% Solid:	93.2

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Paint Filter	1.00	U	1	1.00	1.00	ml/100gm		02/04/25 09:40	9095B

Comments:

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 LOD = Limit of Detection
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 H = Sample Analysis Out Of Hold Time

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 B = Analyte Found in Associated Method Blank
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Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/30/25 11:56
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/30/25
Client Sample ID:	JPP-51.4-013025	SDG No.:	Q1241
Lab Sample ID:	Q1241-20	Matrix:	SOIL
		% Solid:	100

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Corrosivity	9.02	H	1	0	0	pH		01/31/25 17:33	9045D
Ignitability	NO		1	0	0	oC		01/31/25 13:37	1030
Reactive Cyanide	0.050	U	1	0.0088	0.050	mg/Kg	02/03/25 09:00	02/03/25 11:16	9012B
Reactive Sulfide	3.19	J	1	0.19	10.0	mg/Kg	01/31/25 08:50	01/31/25 15:28	9034

Comments: pH result reported at temperature 21.2 °C

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QC RESULT SUMMARY

Initial and Continuing Calibration Verification

Client: RU2 Engineering, LLC

SDG No.: Q1241

Project: NYCDDC SANTWOBR Brooklyn Bridge BBMCR

RunNo.: LB134515

Analyte		Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: Corrosivity	ICV	pH	7.02	7	100	90-110	01/31/2025
Sample ID: Corrosivity	CCV1	pH	2.01	2.00	101	90-110	01/31/2025
Sample ID: Corrosivity	CCV2	pH	12.02	12.00	100	90-110	01/31/2025

Initial and Continuing Calibration Verification

Client: RU2 Engineering, LLC

SDG No.: Q1241

Project: NYCDDC SANTWOBR Brooklyn Bridge BBMCR

RunNo.: LB134524

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV1 Reactive Cyanide	mg/L	0.097	0.099	98	85-115	02/03/2025
Sample ID: CCV1 Reactive Cyanide	mg/L	0.24	0.25	96	90-110	02/03/2025
Sample ID: CCV2 Reactive Cyanide	mg/L	0.24	0.25	96	90-110	02/03/2025
Sample ID: CCV3 Reactive Cyanide	mg/L	0.25	0.25	100	90-110	02/03/2025

Initial and Continuing Calibration Blank Summary

Client: RU2 Engineering, LLC

SDG No.: Q1241

Project: NYCDDC SANTWOBR Brooklyn Bridge BBMCR

RunNo.: LB134524

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: ICB1 Reactive Cyanide	mg/L	< 0.0025	0.0025	U	0.00099	0.005	02/03/2025
Sample ID: CCB1 Reactive Cyanide	mg/L	< 0.0025	0.0025	U	0.00099	0.005	02/03/2025
Sample ID: CCB2 Reactive Cyanide	mg/L	< 0.0025	0.0025	U	0.00099	0.005	02/03/2025
Sample ID: CCB3 Reactive Cyanide	mg/L	< 0.0025	0.0025	U	0.00099	0.005	02/03/2025

Preparation Blank Summary

Client: RU2 Engineering, LLC

SDG No.: Q1241

Project: NYCDDC SANTWOBR Brooklyn Bridge BBMCR

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: PB166422BL							
Reactive Sulfide	mg/Kg	< 5.0000	5.0000	U	0.186	10	01/31/2025
Sample ID: PB166486BL							
Reactive Cyanide	mg/Kg	< 0.0250	0.0250	U	0.0088	0.05	02/03/2025

Duplicate Sample Summary

Client:	RU2 Engineering, LLC	SDG No.:	Q1241
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Sample ID:	Q1215-04
Client ID:	JPP-29.1-012825DUP	Percent Solids for Spike Sample:	100

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/AD	Qual	Analysis Date
Ignitability	oC	+/-20	NO		NO		1	0		01/31/2025

Duplicate Sample Summary

Client: RU2 Engineering, LLC Project: NYCDDC SANTWOBR Brooklyn Bridge BBMCR Client ID: JPP-46.2-012925DUP	SDG No.: Q1241 Sample ID: Q1232-03 Percent Solids for Spike Sample: 89.2
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Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/AD	Qual	Analysis Date
Paint Filter	ml/100gm	+/-20	1.00	U	1.00	U	1	0		02/04/2025

Duplicate Sample Summary

Client: RU2 Engineering, LLC	SDG No.: Q1241
Project: NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Sample ID: Q1232-04
Client ID: JPP-46.2-012925DUP	Percent Solids for Spike Sample: 100

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/AD	Qual	Analysis Date
Reactive Sulfide	mg/Kg	+/-20	1.58	J	1.58	J	1	0		01/31/2025
Reactive Cyanide	mg/Kg	+/-20	0.0087	U	0.0088	U	1	0		02/03/2025

Duplicate Sample Summary

Client:	RU2 Engineering, LLC	SDG No.:	Q1241
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Sample ID:	Q1241-04
Client ID:	JPP-3.5-013025DUP	Percent Solids for Spike Sample:	100

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/AD	Qual	Analysis Date
Corrosivity	pH	+/-20	8.62		8.63		1	0.12		01/31/2025

Duplicate Sample Summary

Client:	RU2 Engineering, LLC	SDG No.:	Q1241
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Sample ID:	Q1242-04
Client ID:	JPP-6.2-013025DUP	Percent Solids for Spike Sample:	100

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/AD	Qual	Analysis Date
Ignitability	oC	+/-20	NO		NO		1	0		01/31/2025

Duplicate Sample Summary

Client:	RU2 Engineering, LLC	SDG No.:	Q1241
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Sample ID:	Q1281-01
Client ID:	OR-02--2-03-2025DUP	Percent Solids for Spike Sample:	86.7

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/AD	Qual	Analysis Date
Paint Filter	ml/100gm	+/-20	1.00	U	1.00	U	1	0		02/04/2025