



284 Sheffield Street, Mountainside, New Jersey - 07092

Phone: (908) 789 8900 Fax: (908) 789 8922

LAB CHRONICLE

OrderID:	O1233	OrderDate:	1/19/2023 1:53:00 PM
Client:	Louis Berger U.S., Inc., A WSP Company	Project:	NYCDDC Phase II SCI Arthur Kill Road CEQR
Contact:	Jonathan Ganz	Location:	N11,VOA Ref. #2 Soil,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
O1233-10	WC-38	SOIL			01/18/23 23:55			01/19/23
			Corrosivity	9045D			01/20/23 16:42	
			Ignitability	1030			01/20/23 15:55	
			Paint Filter	9095B			01/20/23 13:52	
			Reactive Cyanide	9012B		01/20/23	01/20/23 14:30	
			Reactive Sulfide	9034		01/20/23	01/20/23 13:14	

SAMPLE DATA

Report of Analysis

Client:	Louis Berger U.S., Inc., A WSP Company	Date Collected:	01/18/23 23:55
Project:	NYCDDC Phase II SCI Arthur Kill Road CEQR	Date Received:	01/19/23
Client Sample ID:	WC-38	SDG No.:	O1233
Lab Sample ID:	O1233-10	Matrix:	SOIL
		% Solid:	100

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Corrosivity	7.45	H	1	0	0	pH		01/20/23 16:42	9045D
Ignitability	NO		1	0	0	oC		01/20/23 15:55	1030
Paint Filter	1.00	U	1	1.00	1.00	ml/100gm		01/20/23 13:52	9095B
Reactive Cyanide	0.050	U	1	0.050	0.050	mg/Kg	01/20/23 12:00	01/20/23 14:30	9012B
Reactive Sulfide	10.0	U	1	10.0	10.0	mg/Kg	01/20/23 08:35	01/20/23 13:14	9034

Comments: pH result reported at temperature 20.2 °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.

E = Indicates the reported value is estimated because of the presence of interference.

OR = Over Range

N =Spiked sample recovery not within control limits

QC RESULT SUMMARY



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Initial and Continuing Calibration Verification

Client: Louis Berger U.S., Inc., A WSP Company

SDG No.: O1233

Project: NYCDDC Phase II SCI Arthur Kill Road CEQR

RunNo.: LB123753

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV1 Reactive Cyanide	mg/L	0.098	0.099	99	85-115	01/20/2023
Sample ID: CCV1 Reactive Cyanide	mg/L	0.25	0.25	100	90-110	01/20/2023
Sample ID: CCV2 Reactive Cyanide	mg/L	0.26	0.25	104	90-110	01/20/2023
Sample ID: CCV3 Reactive Cyanide	mg/L	0.26	0.25	104	90-110	01/20/2023

Initial and Continuing Calibration Verification**Client:** Louis Berger U.S., Inc., A WSP Company**SDG No.:** O1233**Project:** NYCDDC Phase II SCI Arthur Kill Road CEQR**RunNo.:** LB123757

Analyte		Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID:	ICV						
Corrosivity		pH	6.99	7	100	90-110	01/20/2023
Sample ID:	CCV1						
Corrosivity		pH	2.02	2.00	101	90-110	01/20/2023
Sample ID:	CCV2						
Corrosivity		pH	12.03	12.00	100	90-110	01/20/2023



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Initial and Continuing Calibration Blank Summary

Client: Louis Berger U.S., Inc., A WSP Company

SDG No.: O1233

Project: NYCDDC Phase II SCI Arthur Kill Road CEQR

RunNo.: LB123753

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: ICB1 Reactive Cyanide	mg/L	< 0.0025	0.0025	U	0.0050	0.005	01/20/2023
Sample ID: CCB1 Reactive Cyanide	mg/L	< 0.0025	0.0025	U	0.0050	0.005	01/20/2023
Sample ID: CCB2 Reactive Cyanide	mg/L	< 0.0025	0.0025	U	0.0050	0.005	01/20/2023
Sample ID: CCB3 Reactive Cyanide	mg/L	< 0.0025	0.0025	U	0.0050	0.005	01/20/2023

Preparation Blank Summary

Client: Louis Berger U.S., Inc., A WSP Company

SDG No.: O1233

Project: NYCDDC Phase II SCI Arthur Kill Road CEQR

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: PB150286BL							
Reactive Sulfide	mg/Kg	< 5.0000	5.0000	U	10	10	01/20/2023
Sample ID: PB150350BL							
Reactive Cyanide	mg/Kg	< 0.0250	0.0250	U	0.05	0.05	01/20/2023



Duplicate Sample Summary

Client:

Louis Berger U.S., Inc., A WSP Company

Project:

NYCDDC Phase II SCI Arthur Kill Road CEQR

Client ID:

TP-EDUP

SDG No.:

O1233

Sample ID:

O1159-02

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	10.0	U	10.0	U	1	0		01/20/2023

Duplicate Sample Summary

Client:	Louis Berger U.S., Inc., A WSP Company	SDG No.:	O1233
Project:	NYCDDC Phase II SCI Arthur Kill Road CEQR	Sample ID:	O1172-02
Client ID:	TP-FDUP	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 Cyanide	mg/Kg	+/-20	0.050	U	0.050	U	1	0		01/20/2023



Duplicate Sample Summary

Client:

Louis Berger U.S., Inc., A WSP Company

Project:

NYCDDC Phase II SCI Arthur Kill Road CEQR

Client ID:

OK-02-011923DUP

SDG No.:

O1233

Sample ID:

O1229-01

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
Paint Filter	ml/100gm	+/-20	1.00	U	1.00	U	1	0		01/20/2023



Duplicate Sample Summary

Client:

Louis Berger U.S., Inc., A WSP Company

Project:

NYCDDC Phase II SCI Arthur Kill Road CEQR

Client ID:

WC-17DUP

SDG No.:

O1233

Sample ID:

O1232-03

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		01/20/2023



Duplicate Sample Summary

Client: Louis Berger U.S., Inc., A WSP Company

SDG No.: O1233

Project: NYCDDC Phase II SCI Arthur Kill Road CEQR

Sample ID: O1255-02

Client ID: BORING-1DUP

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	6.76		6.77		1	0.15		01/20/2023