

LAB CHRONICLE

OrderID:	Q2202	OrderDate:	6/4/2025 11:59:00 AM
Client:	PARSONS Engineering of New York, Inc.	Project:	Con Ed Non MGP – Atlantic Ave 453957.600024.05
Contact:	Stephen Liberatore	Location:	N31,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2202-01	MW-9-20250603	WATER			06/03/25 14:00			06/03/25
			Sulfate	300.0			06/04/25 12:46	
			TDS	SM2540 C			06/04/25 12:30	
Q2202-01DL	MW-9-20250603DL	WATER			06/03/25 14:00			06/03/25
			Sulfate	300.0			06/04/25 13:29	
Q2202-05	MW-1A-20250603	WATER			06/03/25 15:20			06/03/25
			Sulfate	300.0			06/04/25 13:08	
			TDS	SM2540 C			06/04/25 12:30	



SAMPLE DATA

A

B

C

D

Report of Analysis

Client:	PARSONS Engineering of New York, Inc.	Date Collected:	06/03/25 14:00
Project:	Con Ed Non MGP – Atlantic Ave 453957.600024.05	Date Received:	06/03/25
Client Sample ID:	MW-9-20250603	SDG No.:	Q2202
Lab Sample ID:	Q2202-01	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Sulfate	80.4	OR	1	0.46	3.00	mg/L		06/04/25 12:46	300.0
TDS	349		1	1.00	10.0	mg/L		06/04/25 12:30	SM 2540 C-15

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:	PARSONS Engineering of New York, Inc.	Date Collected:	06/03/25 14:00
Project:	Con Ed Non MGP – Atlantic Ave 453957.600024.05	Date Received:	06/03/25
Client Sample ID:	MW-9-20250603DL	SDG No.:	Q2202
Lab Sample ID:	Q2202-01DL	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Sulfate	74.0	D	5	2.30	15.0	mg/L		06/04/25 13:29	300.0

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:	PARSONS Engineering of New York, Inc.	Date Collected:	06/03/25 15:20
Project:	Con Ed Non MGP – Atlantic Ave 453957.600024.05	Date Received:	06/03/25
Client Sample ID:	MW-1A-20250603	SDG No.:	Q2202
Lab Sample ID:	Q2202-05	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Sulfate	9.10		1	0.46	3.00	mg/L		06/04/25 13:08	300.0
TDS	53.0		1	1.00	10.0	mg/L		06/04/25 12:30	SM 2540 C-15

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

QC RESULT SUMMARY

Initial and Continuing Calibration Verification

Client: PARSONS Engineering of New York, Inc.

SDG No.: Q2202

Project: Con Ed Non MGP – Atlantic Ave 453957.600024.05

RunNo.: LB135991

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV1						
Bromide	mg/L	10.2	10	102	90-110	05/22/2025
Chloride	mg/L	3.1	3	103	90-110	05/22/2025
Fluoride	mg/L	2.1	2	105	90-110	05/22/2025
Nitrite	mg/L	3.1	3	103	90-110	05/22/2025
Nitrate	mg/L	2.6	2.5	104	90-110	05/22/2025
Sulfate	mg/L	15.1	15	101	90-110	05/22/2025
Orthophosphate as P	mg/L	5.3	5	106	90-110	05/22/2025
Sample ID: CCV1						
Bromide	mg/L	10.5	10	105	90-110	06/03/2025
Chloride	mg/L	3.1	3	103	90-110	06/03/2025
Fluoride	mg/L	2.1	2	105	90-110	06/03/2025
Nitrite	mg/L	3.1	3	103	90-110	06/03/2025
Nitrate	mg/L	2.6	2.5	104	90-110	06/03/2025
Sulfate	mg/L	15.5	15	103	90-110	06/03/2025
Orthophosphate as P	mg/L	5.2	5	104	90-110	06/03/2025
Sample ID: CCV2						
Bromide	mg/L	10.5	10	105	90-110	06/03/2025
Chloride	mg/L	3.1	3	103	90-110	06/03/2025
Fluoride	mg/L	2.1	2	105	90-110	06/03/2025
Nitrite	mg/L	3.1	3	103	90-110	06/03/2025
Nitrate	mg/L	2.6	2.5	104	90-110	06/03/2025
Sulfate	mg/L	15.6	15	104	90-110	06/03/2025
Orthophosphate as P	mg/L	5.4	5	108	90-110	06/03/2025
Sample ID: CCV3						
Bromide	mg/L	10.6	10	106	90-110	06/04/2025
Chloride	mg/L	3.2	3	107	90-110	06/04/2025
Fluoride	mg/L	2.1	2	105	90-110	06/04/2025
Nitrite	mg/L	3.2	3	107	90-110	06/04/2025
Nitrate	mg/L	2.6	2.5	104	90-110	06/04/2025
Sulfate	mg/L	15.7	15	105	90-110	06/04/2025
Orthophosphate as P	mg/L	5.2	5	104	90-110	06/04/2025
Sample ID: CCV4						
Bromide	mg/L	10.4	10	104	90-110	06/04/2025
Chloride	mg/L	3.1	3	103	90-110	06/04/2025
Fluoride	mg/L	2.1	2	105	90-110	06/04/2025
Nitrite	mg/L	3.1	3	103	90-110	06/04/2025
Nitrate	mg/L	2.6	2.5	104	90-110	06/04/2025
Sulfate	mg/L	15.4	15	103	90-110	06/04/2025

Initial and Continuing Calibration Verification

Client: PARSONS Engineering of New York, Inc.

SDG No.: Q2202

Project: Con Ed Non MGP – Atlantic Ave 453957.600024.05

RunNo.: LB135991

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Orthophosphate as P	mg/L	5.3	5	106	90-110	06/04/2025

Initial and Continuing Calibration Blank Summary

Client: PARSONS Engineering of New York, Inc.

SDG No.: Q2202

Project: Con Ed Non MGP – Atlantic Ave 453957.600024.05

RunNo.: LB135991

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: ICB1							
Bromide	mg/L	< 1.0000	1.0000	U	0.37	2	05/22/2025
Chloride	mg/L	< 0.3000	0.3000	U	0.19	0.6	05/22/2025
Fluoride	mg/L	< 0.2000	0.2000	U	0.11	0.4	05/22/2025
Nitrite	mg/L	< 0.3000	0.3000	U	0.074	0.6	05/22/2025
Nitrate	mg/L	< 0.2500	0.2500	U	0.095	0.5	05/22/2025
Sulfate	mg/L	< 1.5000	1.5000	U	0.46	3	05/22/2025
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.34	1	05/22/2025
Sample ID: CCB1							
Bromide	mg/L	< 1.0000	1.0000	U	0.37	2	06/03/2025
Chloride	mg/L	< 0.3000	0.3000	U	0.19	0.6	06/03/2025
Fluoride	mg/L	< 0.2000	0.2000	U	0.11	0.4	06/03/2025
Nitrite	mg/L	< 0.3000	0.3000	U	0.074	0.6	06/03/2025
Nitrate	mg/L	< 0.2500	0.2500	U	0.095	0.5	06/03/2025
Sulfate	mg/L	< 1.5000	1.5000	U	0.46	3	06/03/2025
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.34	1	06/03/2025
Sample ID: CCB2							
Bromide	mg/L	< 1.0000	1.0000	U	0.37	2	06/03/2025
Chloride	mg/L	< 0.3000	0.3000	U	0.19	0.6	06/03/2025
Fluoride	mg/L	< 0.2000	0.2000	U	0.11	0.4	06/03/2025
Nitrite	mg/L	< 0.3000	0.3000	U	0.074	0.6	06/03/2025
Nitrate	mg/L	< 0.2500	0.2500	U	0.095	0.5	06/03/2025
Sulfate	mg/L	< 1.5000	1.5000	U	0.46	3	06/03/2025
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.34	1	06/03/2025
Sample ID: CCB3							
Bromide	mg/L	< 1.0000	1.0000	U	0.37	2	06/04/2025
Chloride	mg/L	< 0.3000	0.3000	U	0.19	0.6	06/04/2025
Fluoride	mg/L	< 0.2000	0.2000	U	0.11	0.4	06/04/2025
Nitrite	mg/L	< 0.3000	0.3000	U	0.074	0.6	06/04/2025
Nitrate	mg/L	< 0.2500	0.2500	U	0.095	0.5	06/04/2025
Sulfate	mg/L	< 1.5000	1.5000	U	0.46	3	06/04/2025
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.34	1	06/04/2025
Sample ID: CCB4							
Bromide	mg/L	< 1.0000	1.0000	U	0.37	2	06/04/2025
Chloride	mg/L	< 0.3000	0.3000	U	0.19	0.6	06/04/2025
Fluoride	mg/L	< 0.2000	0.2000	U	0.11	0.4	06/04/2025
Nitrite	mg/L	< 0.3000	0.3000	U	0.074	0.6	06/04/2025
Nitrate	mg/L	< 0.2500	0.2500	U	0.095	0.5	06/04/2025
Sulfate	mg/L	< 1.5000	1.5000	U	0.46	3	06/04/2025
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.34	1	06/04/2025

Preparation Blank Summary

Client: PARSONS Engineering of New York, Inc.

SDG No.: Q2202

Project: Con Ed Non MGP – Atlantic Ave 453957.600024.05

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: LB135991BLW							
Bromide	mg/L	< 1.0000	1.0000	U	0.37	2	06/03/2025
Chloride	mg/L	< 0.3000	0.3000	U	0.19	0.6	06/03/2025
Fluoride	mg/L	< 0.2000	0.2000	U	0.11	0.4	06/03/2025
Nitrite	mg/L	< 0.3000	0.3000	U	0.074	0.6	06/03/2025
Nitrate	mg/L	< 0.2500	0.2500	U	0.095	0.5	06/03/2025
Sulfate	mg/L	< 1.5000	1.5000	U	0.46	3	06/03/2025
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.34	1	06/03/2025
Sample ID: LB135991BLW2							
Bromide	mg/L	< 1.0000	1.0000	U	0.37	2	06/04/2025
Chloride	mg/L	< 0.3000	0.3000	U	0.19	0.6	06/04/2025
Fluoride	mg/L	< 0.2000	0.2000	U	0.11	0.4	06/04/2025
Nitrite	mg/L	< 0.3000	0.3000	U	0.074	0.6	06/04/2025
Nitrate	mg/L	< 0.2500	0.2500	U	0.095	0.5	06/04/2025
Sulfate	mg/L	< 1.5000	1.5000	U	0.46	3	06/04/2025
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.34	1	06/04/2025
Sample ID: LB136008BL							
TDS	mg/L	< 5.0000	5.0000	U	1.0	10	06/04/2025

Matrix Spike Summary

Client:	PARSONS Engineering of New York, Inc.	SDG No.:	Q2202
Project:	Con Ed Non MGP – Atlantic Ave 453957.600024.05	Sample ID:	Q2189-01
Client ID:	MW-7-20250602MS	Percent Solids for Spike Sample:	0

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Bromide	mg/L	80-120	10.5		0.43	J	10	1	101		06/03/2025
Chloride	mg/L	80-120	445	OR	462	OR	3	1	-567	*	06/03/2025
Fluoride	mg/L	80-120	2.10		0.11	U	2	1	105		06/03/2025
Nitrite	mg/L	80-120	3.00		0.074	U	3	1	100		06/03/2025
Nitrate	mg/L	80-120	11.6	OR	9.20	OR	2.5	1	96		06/03/2025
Sulfate	mg/L	80-120	78.3	OR	64.2	OR	15	1	94		06/03/2025
Orthophosphate as P	mg/L	80-120	5.20		0.34	U	5	1	104		06/03/2025

Matrix Spike Summary

Client:	PARSONS Engineering of New York, Inc.	SDG No.:	Q2202
Project:	Con Ed Non MGP – Atlantic Ave 453957.600024.05	Sample ID:	Q2189-01
Client ID:	MW-7-20250602MSD	Percent Solids for Spike Sample:	0

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Bromide	mg/L	80-120	10.5		0.43	J	10	1	101		06/03/2025
Chloride	mg/L	80-120	444	OR	462	OR	3	1	-600	*	06/03/2025
Fluoride	mg/L	80-120	2.10		0.11	U	2	1	105		06/03/2025
Nitrite	mg/L	80-120	3.00		0.074	U	3	1	100		06/03/2025
Nitrate	mg/L	80-120	11.6	OR	9.20	OR	2.5	1	96		06/03/2025
Sulfate	mg/L	80-120	78.3	OR	64.2	OR	15	1	94		06/03/2025
Orthophosphate as P	mg/L	80-120	5.20		0.34	U	5	1	104		06/03/2025

Duplicate Sample Summary

Client: PARSONS Engineering of New York, Inc.	SDG No.: Q2202
Project: Con Ed Non MGP – Atlantic Ave 453957.600024.05	Sample ID: Q2189-01
Client ID: MW-7-20250602MSD	Percent Solids for Spike Sample: 0

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/AD	Qual	Analysis Date
Bromide	mg/L	+/-20	10.5		10.5		1	0		06/03/2025
Fluoride	mg/L	+/-20	2.10		2.10		1	0		06/03/2025
Nitrite	mg/L	+/-20	3.00		3.00		1	0		06/03/2025
Orthophosphate as P	mg/L	+/-20	5.20		5.20		1	0		06/03/2025
Chloride	mg/L	+/-20	445	OR	444	OR	1	0		06/03/2025
Nitrate	mg/L	+/-20	11.6	OR	11.6	OR	1	0		06/03/2025
Sulfate	mg/L	+/-20	78.3	OR	78.3	OR	1	0		06/03/2025

Duplicate Sample Summary

Client: PARSONS Engineering of New York, Inc. Project: Con Ed Non MGP – Atlantic Ave 453957.600024.05 Client ID: MW-8-20250602DUP	SDG No.: Q2202 Sample ID: Q2189-02 Percent Solids for Spike Sample: 0
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Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
TDS	mg/L	+/-5	562		543		1	3.44		06/04/2025

Laboratory Control Sample Summary

Client:	PARSONS Engineering of New York, Inc.	SDG No.:	Q2202
Project:	Con Ed Non MGP – Atlantic Ave 453957.600024.05	Run No.:	LB135991

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LB135991BSW							
Bromide	mg/L	10	10.5		105	1	90-110	06/03/2025
Chloride	mg/L	3	3.10		103	1	90-110	06/03/2025
Fluoride	mg/L	2	2.10		105	1	90-110	06/03/2025
Nitrite	mg/L	3	3.10		103	1	90-110	06/03/2025
Nitrate	mg/L	2.5	2.60		104	1	90-110	06/03/2025
Sulfate	mg/L	15	15.5		103	1	90-110	06/03/2025
Orthophosphate as P	mg/L	5	5.30		106	1	90-110	06/03/2025

Laboratory Control Sample Summary

Client:	PARSONS Engineering of New York, Inc.	SDG No.:	Q2202
Project:	Con Ed Non MGP – Atlantic Ave 453957.600024.05	Run No.:	LB135991

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LB135991BSW2							
Bromide	mg/L	10	10.7		107	1	90-110	06/04/2025
Chloride	mg/L	3	3.20		107	1	90-110	06/04/2025
Fluoride	mg/L	2	2.20		110	1	90-110	06/04/2025
Nitrite	mg/L	3	3.20		107	1	90-110	06/04/2025
Nitrate	mg/L	2.5	2.70		108	1	90-110	06/04/2025
Sulfate	mg/L	15	15.8		105	1	90-110	06/04/2025
Orthophosphate as P	mg/L	5	5.40		108	1	90-110	06/04/2025

Laboratory Control Sample Summary

Client:	PARSONS Engineering of New York, Inc.	SDG No.:	Q2202
Project:	Con Ed Non MGP – Atlantic Ave 453957.600024.05	Run No.:	LB136008

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LB136008BS							
TDS	mg/L	100	95.0		95	1	90-110	06/04/2025