284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

LAB CHRONICLE

OrderID:	Q2231	**OrderDate:**	6/4/2025 4:40:00 PM
Client:	PARSONS Engineering of New York, Inc.	**Project:**	Con Ed Non MGP – Atlantic Ave 453957.600024.05
Contact:	Stephen Liberatore	**Location:**	N41,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2231-01	**MW-10D-20250604**	**WATER**			**06/04/25 13:20**			**06/04/25**
			Sulfate	300.0			06/05/25 11:39	
			TDS	SM2540 C			06/06/25 12:30	
Q2231-03	**MW-15-20250604**	**WATER**			**06/04/25 09:15**			**06/04/25**
			Sulfate	300.0			06/05/25 12:00	
			TDS	SM2540 C			06/06/25 12:30	
Q2231-04	**MW-16D-20250604**	**WATER**			**06/04/25 10:15**			**06/04/25**
			Sulfate	300.0			06/05/25 12:22	
			TDS	SM2540 C			06/06/25 12:30	
Q2231-04DL	**MW-16D-20250604DL**	**WATER**			**06/04/25 10:15**			**06/04/25**
			Sulfate	300.0			06/05/25 13:48	
Q2231-05	**MW-17-20250604**	**WATER**			**06/04/25 11:30**			**06/04/25**
			Sulfate	300.0			06/05/25 13:26	
			TDS	SM2540 C			06/06/25 12:30	

SAMPLE DATA

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Report of Analysis

Client:	PARSONS Engineering of New York, Inc.	Date Collected:	06/04/25 13:20
Project:	Con Ed Non MGP – Atlantic Ave 453957.600024.05	Date Received:	06/04/25
Client Sample ID:	MW-10D-20250604	SDG No.:	Q2231
Lab Sample ID:	Q2231-01	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Sulfate	12.5		1	0.46	3.00	mg/L		06/05/25 11:39	300.0
TDS	348		1	1.00	10.0	mg/L		06/06/25 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

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Report of Analysis

Client:	PARSONS Engineering of New York, Inc.	Date Collected:	06/04/25 09:15
Project:	Con Ed Non MGP – Atlantic Ave 453957.600024.05	Date Received:	06/04/25
Client Sample ID:	MW-15-20250604	SDG No.:	Q2231
Lab Sample ID:	Q2231-03	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Sulfate	32.0		1	0.46	3.00	mg/L		06/05/25 12:00	300.0
TDS	494		1	1.00	10.0	mg/L		06/06/25 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

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Report of Analysis

Client:	PARSONS Engineering of New York, Inc.	Date Collected:	06/04/25 10:15
Project:	Con Ed Non MGP – Atlantic Ave 453957.600024.05	Date Received:	06/04/25
Client Sample ID:	MW-16D-20250604	SDG No.:	Q2231
Lab Sample ID:	Q2231-04	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Sulfate	57.9	OR	1	0.46	3.00	mg/L		06/05/25 12:22	300.0
TDS	516		1	1.00	10.0	mg/L		06/06/25 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

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Report of Analysis

Client:	PARSONS Engineering of New York, Inc.	Date Collected:	06/04/25 10:15
Project:	Con Ed Non MGP – Atlantic Ave 453957.600024.05	Date Received:	06/04/25
Client Sample ID:	MW-16D-20250604DL	SDG No.:	Q2231
Lab Sample ID:	Q2231-04DL	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Sulfate	54.9	D	5	2.30	15.0	mg/L		06/05/25 13:48	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

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	PARSONS Engineering of New York, Inc.	Date Collected:	06/04/25 11:30
Project:	Con Ed Non MGP – Atlantic Ave 453957.600024.05	Date Received:	06/04/25
Client Sample ID:	MW-17-20250604	SDG No.:	Q2231
Lab Sample ID:	Q2231-05	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Sulfate	9.00		1	0.46	3.00	mg/L		06/05/25 13:26	300.0
TDS	296		1	1.00	10.0	mg/L		06/06/25 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

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Initial and Continuing Calibration Verification

Client: PARSONS Engineering of New York, Inc. **SDG No.:** Q2231

Project: Con Ed Non MGP – Atlantic Ave 453957.600024.05 **RunNo.:** LB136017

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	10.2	10	102	90-110	06/05/2025
Chloride	mg/L	3.1	3	103	90-110	06/05/2025
Fluoride	mg/L	2	2	100	90-110	06/05/2025
Nitrite	mg/L	3	3	100	90-110	06/05/2025
Nitrate	mg/L	2.5	2.5	100	90-110	06/05/2025
Sulfate	mg/L	15.1	15	101	90-110	06/05/2025
Orthophosphate as P	mg/L	4.8	5	96	90-110	06/05/2025
Sample ID: CCV2						
Bromide	mg/L	10.2	10	102	90-110	06/05/2025
Chloride	mg/L	3.1	3	103	90-110	06/05/2025
Fluoride	mg/L	2	2	100	90-110	06/05/2025
Nitrite	mg/L	3.1	3	103	90-110	06/05/2025
Nitrate	mg/L	2.6	2.5	104	90-110	06/05/2025
Sulfate	mg/L	15.1	15	101	90-110	06/05/2025
Orthophosphate as P	mg/L	5.3	5	106	90-110	06/05/2025

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Initial and Continuing Calibration Blank Summary

Client: PARSONS Engineering of New York, Inc. **SDG No.:** Q2231

Project: Con Ed Non MGP – Atlantic Ave 453957.600024.05 **RunNo.:** LB136017

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	06/05/2025
Chloride	mg/L	< 0.3000	0.3000	U	0.19	0.6	06/05/2025
Fluoride	mg/L	< 0.2000	0.2000	U	0.11	0.4	06/05/2025
Nitrite	mg/L	< 0.3000	0.3000	U	0.074	0.6	06/05/2025
Nitrate	mg/L	< 0.2500	0.2500	U	0.095	0.5	06/05/2025
Sulfate	mg/L	< 1.5000	1.5000	U	0.46	3	06/05/2025
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.34	1	06/05/2025
Sample ID: CCB2							
Bromide	mg/L	< 1.0000	1.0000	U	0.37	2	06/05/2025
Chloride	mg/L	< 0.3000	0.3000	U	0.19	0.6	06/05/2025
Fluoride	mg/L	< 0.2000	0.2000	U	0.11	0.4	06/05/2025
Nitrite	mg/L	< 0.3000	0.3000	U	0.074	0.6	06/05/2025
Nitrate	mg/L	< 0.2500	0.2500	U	0.095	0.5	06/05/2025
Sulfate	mg/L	< 1.5000	1.5000	U	0.46	3	06/05/2025
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.34	1	06/05/2025

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Preparation Blank Summary

Client: PARSONS Engineering of New York, Inc. **SDG No.:** Q2231

Project: Con Ed Non MGP – Atlantic Ave 453957.600024.05

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: LB136017BLW							
Bromide	mg/L	< 1.0000	1.0000	U	0.37	2	06/05/2025
Chloride	mg/L	< 0.3000	0.3000	U	0.19	0.6	06/05/2025
Fluoride	mg/L	< 0.2000	0.2000	U	0.11	0.4	06/05/2025
Nitrite	mg/L	< 0.3000	0.3000	U	0.074	0.6	06/05/2025
Nitrate	mg/L	< 0.2500	0.2500	U	0.095	0.5	06/05/2025
Sulfate	mg/L	< 1.5000	1.5000	U	0.46	3	06/05/2025
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.34	1	06/05/2025
Sample ID: LB136041BL							
TDS	mg/L	< 5.0000	5.0000	U	1.0	10	06/06/2025

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Matrix Spike Summary

Client: PARSONS Engineering of New York, Inc.
SDG No.: Q2231
Project: Con Ed Non MGP – Atlantic Ave 453957.600024.05
Sample ID: Q2231-04
Client ID: MW-16D-20250604MS
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	8.10		0.40	J	10	1	77	*	06/05/2025
Chloride	mg/L	80-120	294	OR	302	OR	3	1	-267	*	06/05/2025
Fluoride	mg/L	80-120	1.70		0.12	J	2	1	79	*	06/05/2025
Nitrite	mg/L	80-120	2.30		0.074	U	3	1	77	*	06/05/2025
Nitrate	mg/L	80-120	7.50	OR	5.60		2.5	1	76	*	06/05/2025
Sulfate	mg/L	80-120	68.9	OR	57.9	OR	15	1	73	*	06/05/2025
Orthophosphate as P	mg/L	80-120	4.10		0.34	U	5	1	82		06/05/2025

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Matrix Spike Summary

Client: PARSONS Engineering of New York, Inc.
SDG No.: Q2231
Project: Con Ed Non MGP – Atlantic Ave 453957.600024.05
Sample ID: Q2231-04
Client ID: MW-16D-20250604MSD
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	6.40		0.40	J	10	1	60	*	06/05/2025
Chloride	mg/L	80-120	295	OR	302	OR	3	1	-233	*	06/05/2025
Fluoride	mg/L	80-120	1.30		0.12	J	2	1	59	*	06/05/2025
Nitrite	mg/L	80-120	1.80		0.074	U	3	1	60	*	06/05/2025
Nitrate	mg/L	80-120	7.00	OR	5.60		2.5	1	56	*	06/05/2025
Sulfate	mg/L	80-120	66.4	OR	57.9	OR	15	1	57	*	06/05/2025
Orthophosphate as P	mg/L	80-120	3.20		0.34	U	5	1	64	*	06/05/2025

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Duplicate Sample Summary

Client: PARSONS Engineering of New York, Inc.
SDG No.: Q2231
Project: Con Ed Non MGP – Atlantic Ave 453957.600024.05
Sample ID: Q2231-04
Client ID: MW-16D-20250604MSD
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
Chloride	mg/L	+/-20	294	OR	295	OR	1	0		06/05/2025
Sulfate	mg/L	+/-20	68.9	OR	66.4	OR	1	4		06/05/2025
Nitrate	mg/L	+/-20	7.50	OR	7.00	OR	1	7		06/05/2025
Bromide	mg/L	+/-20	8.10		6.40		1	23	*	06/05/2025
Nitrite	mg/L	+/-20	2.30		1.80		1	24	*	06/05/2025
Orthophosphate as P	mg/L	+/-20	4.10		3.20		1	25	*	06/05/2025
Fluoride	mg/L	+/-20	1.70		1.30		1	27	*	06/05/2025

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Duplicate Sample Summary

Client: PARSONS Engineering of New York, Inc.
SDG No.: Q2231
Project: Con Ed Non MGP – Atlantic Ave 453957.600024.05
Sample ID: Q2231-05
Client ID: MW-17-20250604DUP
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
TDS	mg/L	+/-5	296		302		1	2.01		06/06/2025

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Laboratory Control Sample Summary

Client: PARSONS Engineering of New York, Inc. **SDG No.:** Q2231

Project: Con Ed Non MGP – Atlantic Ave 453957.600024.05 **Run No.:** LB136017

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID LB136017BSW								
Bromide	mg/L	10	10.3		103	1	90-110	06/05/2025
Chloride	mg/L	3	3.10		103	1	90-110	06/05/2025
Fluoride	mg/L	2	2.00		100	1	90-110	06/05/2025
Nitrite	mg/L	3	3.10		103	1	90-110	06/05/2025
Nitrate	mg/L	2.5	2.60		104	1	90-110	06/05/2025
Sulfate	mg/L	15	15.2		101	1	90-110	06/05/2025
Orthophosphate as P	mg/L	5	5.00		100	1	90-110	06/05/2025

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Laboratory Control Sample Summary

Client:	PARSONS Engineering of New York, Inc.	**SDG No.:**	Q2231
Project:	Con Ed Non MGP – Atlantic Ave 453957.600024.05	**Run No.:**	LB136041

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID LB136041BS								
TDS	mg/L	100	95.0		95	1	90-110	06/06/2025