

LAB CHRONICLE

OrderID:	Q3551	OrderDate:	11/5/2025 2:16:00 PM
Client:	Spectra East Inc.	Project:	Outfall 001 - Orangetown Dis Permit 2025
Contact:	Jacob Valeich	Location:	D41,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3551-01	MANHOLE	WATER			11/05/25 15:35			11/05/25
			Anions Group1	300.0			11/06/25 10:46	
			Cyanide	SM4500-CN C,E		11/07/25	11/07/25 14:00	
			Cyanide-Amenable	SM4500-CN B,G Cyanide-Amenable			11/14/25 10:49	
			Field pH	9045D			11/04/25 16:04	
			Field Temperature	SM2550-B			11/04/25 16:04	
			Oil and Grease	1664A			11/07/25 10:30	
			Phenolics	420.1		11/14/25	11/17/25 16:30	
Q3551-04	MANHOLE	WATER			11/05/25 15:35			11/05/25
			BOD5	SM5210 B			11/06/25 13:00	
			COD	SM5220 D			11/14/25 14:02	
			Ammonia	SM4500-NH3		11/06/25	11/06/25 13:08	
			TSS	SM2540 D			11/07/25 10:00	
Q3551-04DL	MANHOLEDL	WATER			11/05/25 15:35			11/05/25

LAB CHRONICLE

Ammonia	SM4500-NH3	11/06/25	11/06/25 13:53
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A

B

C

D



SAMPLE DATA

A

B

C

D

Report of Analysis

Client: Spectra East Inc.
Project: Outfall 001 - Orangetown Dis Permit 2025
Client Sample ID: MANHOLE
Lab Sample ID: Q3551-01

Date Collected: 11/05/25 15:35
Date Received: 11/05/25
SDG No.: Q3551
Matrix: WATER
% Solid: 0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Nitrate	0.18	J	1	0.095	0.50	mg/L		11/06/25 10:46	300.0
Cyanide	0.028		1	0.0012	0.0050	mg/L	11/07/25 08:10	11/07/25 14:00	SM 4500-CN C-21 plus E-21
Cyanide-Amenable	0.0062		1	0.0010	0.0050	mg/L		11/14/25 10:49	SM 4500-CN B-16 plus G-16
Field pH	7.85		1	0	0	pH		11/04/25 16:04	9045D
Field Temperature	16.0		1	0	0	o C		11/04/25 16:04	SM 2550 B-10
Oil and Grease	5.80		1	0.29	5.00	mg/L		11/07/25 10:30	1664A
Phenolics	0.36		1	0.015	0.050	mg/L	11/14/25 14:00	11/17/25 16:30	420.1

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: Spectra East Inc.
Project: Outfall 001 - Orangetown Dis Permit 2025
Client Sample ID: MANHOLE
Lab Sample ID: Q3551-04

Date Collected: 11/05/25 15:35
Date Received: 11/05/25
SDG No.: Q3551
Matrix: WATER
% Solid: 0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Ammonia as N	4.00	OR	1	0.030	0.10	mg/L	11/06/25 08:40	11/06/25 13:08	SM 4500-NH3 B plus G-21
BOD5	25.9		1	0.20	2.00	mg/L		11/06/25 13:00	SM 5210 B-16
COD	229	D	10	15.0	100	mg/L		11/14/25 14:02	SM 5220 D-11
TSS	48.0		1	1.00	4.00	mg/L		11/07/25 10:00	SM 2540 D-20

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:	Spectra East Inc.	Date Collected:	11/05/25 15:35
Project:	Outfall 001 - Orangetown Dis Permit 2025	Date Received:	11/05/25
Client Sample ID:	MANHOLEDL	SDG No.:	Q3551
Lab Sample ID:	Q3551-04DL	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Ammonia as N	4.10	D	5	0.15	0.50	mg/L	11/06/25 08:40	11/06/25 13:53	SM 4500-NH3 B plus G-21

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: Spectra East Inc.

SDG No.: Q3551

Project: Outfall 001 - Orangetown Dis Permit 2025

RunNo.: LB137801

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV1 Ammonia as N	mg/L	0.96	1	96	90-110	11/06/2025
Sample ID: CCV1 Ammonia as N	mg/L	0.97	1	97	90-110	11/06/2025
Sample ID: CCV2 Ammonia as N	mg/L	1.1	1	110	90-110	11/06/2025
Sample ID: CCV3 Ammonia as N	mg/L	1.1	1	110	90-110	11/06/2025

Initial and Continuing Calibration Verification

Client: Spectra East Inc.

SDG No.: Q3551

Project: Outfall 001 - Orangetown Dis Permit 2025

RunNo.: LB137803

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID:	ICV1					
Bromide	mg/L	9.7	10	97	90-110	11/03/2025
Chloride	mg/L	2.9	3	97	90-110	11/03/2025
Fluoride	mg/L	2	2	100	90-110	11/03/2025
Nitrite	mg/L	2.9	3	97	90-110	11/03/2025
Nitrate	mg/L	2.4	2.5	96	90-110	11/03/2025
Sulfate	mg/L	14.5	15	97	90-110	11/03/2025
Orthophosphate as P	mg/L	5.2	5	104	90-110	11/03/2025
Sample ID:	CCV1					
Bromide	mg/L	10.1	10	101	90-110	11/06/2025
Chloride	mg/L	3	3	100	90-110	11/06/2025
Fluoride	mg/L	2	2	100	90-110	11/06/2025
Nitrite	mg/L	3	3	100	90-110	11/06/2025
Nitrate	mg/L	2.5	2.5	100	90-110	11/06/2025
Sulfate	mg/L	15.1	15	101	90-110	11/06/2025
Orthophosphate as P	mg/L	4.6	5	92	90-110	11/06/2025
Sample ID:	CCV2					
Bromide	mg/L	10.2	10	102	90-110	11/06/2025
Chloride	mg/L	3.1	3	103	90-110	11/06/2025
Fluoride	mg/L	2	2	100	90-110	11/06/2025
Nitrite	mg/L	3	3	100	90-110	11/06/2025
Nitrate	mg/L	2.5	2.5	100	90-110	11/06/2025
Sulfate	mg/L	15.2	15	101	90-110	11/06/2025
Orthophosphate as P	mg/L	5.2	5	104	90-110	11/06/2025
Sample ID:	CCV3					
Bromide	mg/L	10.2	10	102	90-110	11/06/2025
Chloride	mg/L	3.1	3	103	90-110	11/06/2025
Fluoride	mg/L	2	2	100	90-110	11/06/2025
Nitrite	mg/L	3	3	100	90-110	11/06/2025
Nitrate	mg/L	2.5	2.5	100	90-110	11/06/2025
Sulfate	mg/L	15.1	15	101	90-110	11/06/2025
Orthophosphate as P	mg/L	5.1	5	102	90-110	11/06/2025
Sample ID:	CCV4					
Bromide	mg/L	10.2	10	102	90-110	11/07/2025
Chloride	mg/L	3.1	3	103	90-110	11/07/2025
Fluoride	mg/L	2.1	2	105	90-110	11/07/2025
Nitrite	mg/L	3.1	3	103	90-110	11/07/2025
Nitrate	mg/L	2.5	2.5	100	90-110	11/07/2025
Sulfate	mg/L	15.1	15	101	90-110	11/07/2025
Orthophosphate as P	mg/L	5	5	100	90-110	11/07/2025
Sample ID:	CCV5					

Initial and Continuing Calibration Verification

Client: Spectra East Inc.

SDG No.: Q3551

Project: Outfall 001 - Orangetown Dis Permit 2025

RunNo.: LB137803

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Bromide	mg/L	10.3	10	103	90-110	11/07/2025
Chloride	mg/L	3.1	3	103	90-110	11/07/2025
Fluoride	mg/L	2.1	2	105	90-110	11/07/2025
Nitrite	mg/L	3.1	3	103	90-110	11/07/2025
Nitrate	mg/L	2.6	2.5	104	90-110	11/07/2025
Sulfate	mg/L	15.2	15	101	90-110	11/07/2025
Orthophosphate as P	mg/L	5.3	5	106	90-110	11/07/2025
Sample ID: CCV6						
Bromide	mg/L	10.3	10	103	90-110	11/07/2025
Chloride	mg/L	3.1	3	103	90-110	11/07/2025
Fluoride	mg/L	2.1	2	105	90-110	11/07/2025
Nitrite	mg/L	3.1	3	103	90-110	11/07/2025
Nitrate	mg/L	2.6	2.5	104	90-110	11/07/2025
Sulfate	mg/L	15.2	15	101	90-110	11/07/2025
Orthophosphate as P	mg/L	5.3	5	106	90-110	11/07/2025

Initial and Continuing Calibration Verification

Client: Spectra East Inc.

SDG No.: Q3551

Project: Outfall 001 - Orangetown Dis Permit 2025

RunNo.: LB137822

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV1 Cyanide	mg/L	0.095	0.099	96	85-115	11/07/2025
Sample ID: CCV1 Cyanide	mg/L	0.24	0.25	96	90-110	11/07/2025
Sample ID: CCV2 Cyanide	mg/L	0.25	0.25	100	90-110	11/07/2025

Initial and Continuing Calibration Verification

Client: Spectra East Inc.

SDG No.: Q3551

Project: Outfall 001 - Orangetown Dis Permit 2025

RunNo.: LB137904

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV COD	mg/L	50.173	50	100	95-105	09/08/2025
Sample ID: CCV1 COD	mg/L	51.184	50	102	95-105	11/14/2025
Sample ID: CCV2 COD	mg/L	48.150	50	96	95-105	11/14/2025
Sample ID: CCV3 COD	mg/L	48.150	50	96	95-105	11/14/2025
Sample ID: CCV4 COD	mg/L	49.161	50	98	95-105	11/14/2025

Initial and Continuing Calibration Verification

Client: Spectra East Inc.

SDG No.: Q3551

Project: Outfall 001 - Orangetown Dis Permit 2025

RunNo.: LB137926

Analyte		Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: Phenolics	ICV1	mg/L	1	1	100	90-110	11/17/2025
Sample ID: Phenolics	CCV1	mg/L	0.97	1	97	90-110	11/17/2025
Sample ID: Phenolics	CCV2	mg/L	0.98	1	98	90-110	11/17/2025

Initial and Continuing Calibration Verification

Client: Spectra East Inc.

SDG No.: Q3551

Project: Outfall 001 - Orangetown Dis Permit 2025

RunNo.: LB137930

Analyte		Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID:	ICV						
Field pH		pH	7.00	7	100	90-110	11/04/2025
Sample ID:	CCV1						
Field pH		pH	7.02	7.00	100	90-110	11/04/2025
Sample ID:	CCV2						
Field pH		pH	7.02	7.00	100	90-110	11/04/2025

Initial and Continuing Calibration Blank Summary

Client: Spectra East Inc.

SDG No.: Q3551

Project: Outfall 001 - Orangetown Dis Permit 2025

RunNo.: LB137801

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: ICB1 Ammonia as N	mg/L	< 0.0500	0.0500	U	0.030	0.1	11/06/2025
Sample ID: CCB1 Ammonia as N	mg/L	< 0.0500	0.0500	U	0.030	0.1	11/06/2025
Sample ID: CCB2 Ammonia as N	mg/L	< 0.0500	0.0500	U	0.030	0.1	11/06/2025
Sample ID: CCB3 Ammonia as N	mg/L	< 0.0500	0.0500	U	0.030	0.1	11/06/2025

Initial and Continuing Calibration Blank Summary

Client: Spectra East Inc.

SDG No.: Q3551

Project: Outfall 001 - Orangetown Dis Permit 2025

RunNo.: LB137803

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	11/03/2025
Chloride	mg/L	< 0.3000	0.3000	U	0.19	0.6	11/03/2025
Fluoride	mg/L	< 0.2000	0.2000	U	0.11	0.4	11/03/2025
Nitrite	mg/L	< 0.3000	0.3000	U	0.074	0.6	11/03/2025
Nitrate	mg/L	< 0.2500	0.2500	U	0.095	0.5	11/03/2025
Sulfate	mg/L	< 1.5000	1.5000	U	0.46	3	11/03/2025
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.34	1	11/03/2025
Sample ID: CCB1							
Bromide	mg/L	< 1.0000	1.0000	U	0.37	2	11/06/2025
Chloride	mg/L	< 0.3000	0.3000	U	0.19	0.6	11/06/2025
Fluoride	mg/L	< 0.2000	0.2000	U	0.11	0.4	11/06/2025
Nitrite	mg/L	< 0.3000	0.3000	U	0.074	0.6	11/06/2025
Nitrate	mg/L	< 0.2500	0.2500	U	0.095	0.5	11/06/2025
Sulfate	mg/L	< 1.5000	1.5000	U	0.46	3	11/06/2025
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.34	1	11/06/2025
Sample ID: CCB2							
Bromide	mg/L	< 1.0000	1.0000	U	0.37	2	11/06/2025
Chloride	mg/L	< 0.3000	0.3000	U	0.19	0.6	11/06/2025
Fluoride	mg/L	< 0.2000	0.2000	U	0.11	0.4	11/06/2025
Nitrite	mg/L	< 0.3000	0.3000	U	0.074	0.6	11/06/2025
Nitrate	mg/L	< 0.2500	0.2500	U	0.095	0.5	11/06/2025
Sulfate	mg/L	< 1.5000	1.5000	U	0.46	3	11/06/2025
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.34	1	11/06/2025
Sample ID: CCB3							
Bromide	mg/L	< 1.0000	1.0000	U	0.37	2	11/06/2025
Chloride	mg/L	< 0.3000	0.3000	U	0.19	0.6	11/06/2025
Fluoride	mg/L	< 0.2000	0.2000	U	0.11	0.4	11/06/2025
Nitrite	mg/L	< 0.3000	0.3000	U	0.074	0.6	11/06/2025
Nitrate	mg/L	< 0.2500	0.2500	U	0.095	0.5	11/06/2025
Sulfate	mg/L	< 1.5000	1.5000	U	0.46	3	11/06/2025
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.34	1	11/06/2025
Sample ID: CCB4							
Bromide	mg/L	< 1.0000	1.0000	U	0.37	2	11/07/2025
Chloride	mg/L	< 0.3000	0.3000	U	0.19	0.6	11/07/2025
Fluoride	mg/L	< 0.2000	0.2000	U	0.11	0.4	11/07/2025
Nitrite	mg/L	< 0.3000	0.3000	U	0.074	0.6	11/07/2025
Nitrate	mg/L	< 0.2500	0.2500	U	0.095	0.5	11/07/2025
Sulfate	mg/L	< 1.5000	1.5000	U	0.46	3	11/07/2025
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.34	1	11/07/2025
Sample ID: CCB5							
Bromide	mg/L	< 1.0000	1.0000	U	0.37	2	11/07/2025
Chloride	mg/L	< 0.3000	0.3000	U	0.19	0.6	11/07/2025
Fluoride	mg/L	< 0.2000	0.2000	U	0.11	0.4	11/07/2025
Nitrite	mg/L	< 0.3000	0.3000	U	0.074	0.6	11/07/2025
Nitrate	mg/L	< 0.2500	0.2500	U	0.095	0.5	11/07/2025
Sulfate	mg/L	< 1.5000	1.5000	U	0.46	3	11/07/2025

Initial and Continuing Calibration Blank Summary

Client: Spectra East Inc.

SDG No.: Q3551

Project: Outfall 001 - Orangetown Dis Permit 2025

RunNo.: LB137803

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.34	1	11/07/2025
Sample ID: CCB6							
Bromide	mg/L	< 1.0000	1.0000	U	0.37	2	11/07/2025
Chloride	mg/L	< 0.3000	0.3000	U	0.19	0.6	11/07/2025
Fluoride	mg/L	< 0.2000	0.2000	U	0.11	0.4	11/07/2025
Nitrite	mg/L	< 0.3000	0.3000	U	0.074	0.6	11/07/2025
Nitrate	mg/L	< 0.2500	0.2500	U	0.095	0.5	11/07/2025
Sulfate	mg/L	< 1.5000	1.5000	U	0.46	3	11/07/2025
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.34	1	11/07/2025

Initial and Continuing Calibration Blank Summary

Client: Spectra East Inc.

SDG No.: Q3551

Project: Outfall 001 - Orangetown Dis Permit 2025

RunNo.: LB137822

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: ICB1 Cyanide	mg/L	< 0.0025	0.0025	U	0.0012	0.005	11/07/2025
Sample ID: CCB1 Cyanide	mg/L	< 0.0025	0.0025	U	0.0012	0.005	11/07/2025
Sample ID: CCB2 Cyanide	mg/L	< 0.0025	0.0025	U	0.0012	0.005	11/07/2025

Initial and Continuing Calibration Blank Summary

Client: Spectra East Inc.	SDG No.: Q3551
Project: Outfall 001 - Orangetown Dis Permit 2025	RunNo.: LB137904

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: ICB COD	mg/L	< 5.0000	5.0000	U	1.50	10	09/08/2025
Sample ID: CCB1 COD	mg/L	< 5.0000	5.0000	U	1.50	10	11/14/2025
Sample ID: CCB2 COD	mg/L	< 5.0000	5.0000	U	1.50	10	11/14/2025
Sample ID: CCB3 COD	mg/L	< 5.0000	5.0000	U	1.50	10	11/14/2025
Sample ID: CCB4 COD	mg/L	< 5.0000	5.0000	U	1.50	10	11/14/2025

Initial and Continuing Calibration Blank Summary

Client: Spectra East Inc.

SDG No.: Q3551

Project: Outfall 001 - Orangetown Dis Permit 2025

RunNo.: LB137926

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: ICB1 Phenolics	mg/L	< 0.0250	0.0250	U	0.015	0.05	11/17/2025
Sample ID: CCB1 Phenolics	mg/L	< 0.0250	0.0250	U	0.015	0.05	11/17/2025
Sample ID: CCB2 Phenolics	mg/L	< 0.0250	0.0250	U	0.015	0.05	11/17/2025

Preparation Blank Summary

Client: Spectra East Inc.

SDG No.: Q3551

Project: Outfall 001 - Orangetown Dis Permit 2025

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: LB137803BLW							
Bromide	mg/L	< 1.0000	1.0000	U	0.37	2	11/06/2025
Chloride	mg/L	< 0.3000	0.3000	U	0.19	0.6	11/06/2025
Fluoride	mg/L	< 0.2000	0.2000	U	0.11	0.4	11/06/2025
Nitrite	mg/L	< 0.3000	0.3000	U	0.074	0.6	11/06/2025
Nitrate	mg/L	< 0.2500	0.2500	U	0.095	0.5	11/06/2025
Sulfate	mg/L	< 1.5000	1.5000	U	0.46	3	11/06/2025
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.34	1	11/06/2025
Sample ID: LB137803BLW2							
Bromide	mg/L	< 1.0000	1.0000	U	0.37	2	11/07/2025
Chloride	mg/L	< 0.3000	0.3000	U	0.19	0.6	11/07/2025
Fluoride	mg/L	< 0.2000	0.2000	U	0.11	0.4	11/07/2025
Nitrite	mg/L	< 0.3000	0.3000	U	0.074	0.6	11/07/2025
Nitrate	mg/L	< 0.2500	0.2500	U	0.095	0.5	11/07/2025
Sulfate	mg/L	< 1.5000	1.5000	U	0.46	3	11/07/2025
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.34	1	11/07/2025
Sample ID: LB137812BL							
TSS	mg/L	< 2.0000	2.0000	U	1	4	11/07/2025
Sample ID: LB137814BL							
Oil and Grease	mg/L	< 2.5000	2.5000	U	0.29	5.0	11/07/2025
Sample ID: LB137856BL							
BOD5	mg/L	< 0.2000	0.2000	U	0.20	2.0	11/06/2025
Sample ID: LB137904BL							
COD	mg/L	< 5.0000	5.0000	U	1.5	10.0	11/14/2025
Sample ID: PB170403BL							
Ammonia as N	mg/L	< 0.0500	0.0500	U	0.03	0.1	11/06/2025
Sample ID: PB170439BL							
Cyanide	mg/L	< 0.0025	0.0025	U	0.0012	0.005	11/07/2025
Sample ID: PB170566BL							
Phenolics	mg/L	< 0.0250	0.0250	U	0.015	0.05	11/17/2025

Matrix Spike Summary

Client:	Spectra East Inc.	SDG No.:	Q3551
Project:	Outfall 001 - Orangetown Dis Permit 2025	Sample ID:	Q3537-03
Client ID:	MW-17-PURGE-WATERMS	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
Ammonia as N	mg/L	75-125	1.00		0.039	J	1	1	96		11/06/2025

Matrix Spike Summary

Client: Spectra East Inc. **SDG No.:** Q3551
Project: Outfall 001 - Orangetown Dis Permit 2025 **Sample ID:** Q3537-03
Client ID: MW-17-PURGE-WATERMSD **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
Ammonia as N	mg/L	75-125	1.00		0.039	J	1	1	96		11/06/2025

Matrix Spike Summary

Client:	Spectra East Inc.	SDG No.:	Q3551
Project:	Outfall 001 - Orangetown Dis Permit 2025	Sample ID:	Q3551-01
Client ID:	MANHOLEMS	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	9.50		0.37	U	10	1	95		11/06/2025
Cyanide	mg/L	75-125	0.075		0.028		0.04	1	118		11/07/2025
Chloride	mg/L	80-120	166	OR	170	OR	3	1	-133	*	11/06/2025
Fluoride	mg/L	80-120	2.40		0.11	U	2	1	120		11/06/2025
Nitrite	mg/L	80-120	2.90		0.074	U	3	1	97		11/06/2025
Nitrate	mg/L	80-120	2.50		0.18	J	2.5	1	93		11/06/2025
Sulfate	mg/L	80-120	40.4	OR	27.0		15	1	89		11/06/2025
Orthophosphate as P	mg/L	80-120	10.4		5.30		5	1	102		11/06/2025

Matrix Spike Summary

Client:	Spectra East Inc.	SDG No.:	Q3551
Project:	Outfall 001 - Orangetown Dis Permit 2025	Sample ID:	Q3551-01
Client ID:	MANHOLEMSD	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	10.3		0.37	U	10	1	103		11/06/2025
Cyanide	mg/L	75-125	0.074		0.028		0.04	1	115		11/07/2025
Chloride	mg/L	80-120	166	OR	170	OR	3	1	-133	*	11/06/2025
Fluoride	mg/L	80-120	2.60		0.11	U	2	1	130	*	11/06/2025
Nitrite	mg/L	80-120	3.10		0.074	U	3	1	103		11/06/2025
Nitrate	mg/L	80-120	2.70		0.18	J	2.5	1	101		11/06/2025
Sulfate	mg/L	80-120	41.5	OR	27.0		15	1	97		11/06/2025
Orthophosphate as P	mg/L	80-120	10.0		5.30		5	1	94		11/06/2025

Matrix Spike Summary

Client: Spectra East Inc. **SDG No.:** Q3551
Project: Outfall 001 - Orangetown Dis Permit 2025 **Sample ID:** Q3551-01
Client ID: MANHOLEMS **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
Oil and Grease	mg/L	78-114	25.9		5.80		20.0	1	101		11/07/2025

Matrix Spike Summary

Client:	Spectra East Inc.	SDG No.:	Q3551
Project:	Outfall 001 - Orangetown Dis Permit 2025	Sample ID:	Q3551-01
Client ID:	MANHOLEMSD	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
Oil and Grease	mg/L	78-114	26.0		5.80		20.0	1	101		11/07/2025

Matrix Spike Summary

Client: Spectra East Inc. **SDG No.:** Q3551
Project: Outfall 001 - Orangetown Dis Permit 2025 **Sample ID:** Q3554-01
Client ID: EFFLUENTMS **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
Oil and Grease	mg/L	78-114	38.6		18.4		20.0	1	101		11/07/2025

Matrix Spike Summary

Client:	Spectra East Inc.	SDG No.:	Q3551
Project:	Outfall 001 - Orangetown Dis Permit 2025	Sample ID:	Q3554-01
Client ID:	EFFLUENTMSD	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
Oil and Grease	mg/L	78-114	38.8		18.4		20.0	1	102		11/07/2025

Matrix Spike Summary

Client: Spectra East Inc. **SDG No.:** Q3551
Project: Outfall 001 - Orangetown Dis Permit 2025 **Sample ID:** Q3630-05
Client ID: DSN003MS **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
COD	mg/L	75-125	68.4		23.9		50.0	1	89		11/14/2025

Matrix Spike Summary

Client:	Spectra East Inc.	SDG No.:	Q3551
Project:	Outfall 001 - Orangetown Dis Permit 2025	Sample ID:	Q3630-05
Client ID:	DSN003MSD	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
COD	mg/L	75-125	67.4		23.9		50.0	1	87		11/14/2025

Matrix Spike Summary

Client:	Spectra East Inc.	SDG No.:	Q3551
Project:	Outfall 001 - Orangetown Dis Permit 2025	Sample ID:	Q3630-06
Client ID:	DSN003MS	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
Phenolics	mg/L	75-125	1.10		0.015	U	1	1	110		11/17/2025

Matrix Spike Summary

Client:	Spectra East Inc.	SDG No.:	Q3551
Project:	Outfall 001 - Orangetown Dis Permit 2025	Sample ID:	Q3630-06
Client ID:	DSN003MSD	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
Phenolics	mg/L	75-125	1.10		0.015	U	1	1	110		11/17/2025

Duplicate Sample Summary

Client:	Spectra East Inc.	SDG No.:	Q3551
Project:	Outfall 001 - Orangetown Dis Permit 2025	Sample ID:	Q3537-03
Client ID:	MW-17-PURGE-WATERDUP	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
Ammonia as N	mg/L	+/-20	0.039	J	0.037	J	1	5		11/06/2025

Duplicate Sample Summary

Client:	Spectra East Inc.	SDG No.:	Q3551
Project:	Outfall 001 - Orangetown Dis Permit 2025	Sample ID:	Q3537-03
Client ID:	MW-17-PURGE-WATERMSD	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
Ammonia as N	mg/L	+/-20	1.00		1.00		1	0		11/06/2025

Duplicate Sample Summary

Client:	Spectra East Inc.	SDG No.:	Q3551
Project:	Outfall 001 - Orangetown Dis Permit 2025	Sample ID:	Q3551-01
Client ID:	MANHOLEDUP	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
Cyanide	mg/L	+/-20	0.028		0.028		1	0		11/07/2025
Field pH	pH	+/-20	7.85		7.84		1	0.13		11/04/2025
Field Temperature	o C	+/-20	16.0		16.1		1	0.62		11/04/2025

Duplicate Sample Summary

Client:	Spectra East Inc.	SDG No.:	Q3551
Project:	Outfall 001 - Orangetown Dis Permit 2025	Sample ID:	Q3551-01
Client ID:	MANHOLEMSD	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	166	OR	166	OR	1	0		11/06/2025
Sulfate	mg/L	+/-20	40.4	OR	41.5	OR	1	3		11/06/2025
Orthophosphate as P	mg/L	+/-20	10.4		10.0		1	4		11/06/2025
Nitrite	mg/L	+/-20	2.90		3.10		1	7		11/06/2025
Bromide	mg/L	+/-20	9.50		10.3		1	8		11/06/2025
Fluoride	mg/L	+/-20	2.40		2.60		1	8		11/06/2025
Nitrate	mg/L	+/-20	2.50		2.70		1	8		11/06/2025
Cyanide	mg/L	+/-20	0.075		0.074		1	1		11/07/2025

Duplicate Sample Summary

Client: Spectra East Inc.	SDG No.: Q3551
Project: Outfall 001 - Orangetown Dis Permit 2025	Sample ID: Q3551-01
Client ID: MANHOLEMSD	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
Oil and Grease	mg/L	+/-18	25.9		26.0		1	0.39		11/07/2025

Duplicate Sample Summary

Client:	Spectra East Inc.	SDG No.:	Q3551
Project:	Outfall 001 - Orangetown Dis Permit 2025	Sample ID:	Q3551-04
Client ID:	MANHOLEDUP	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
TSS	mg/L	+/-5	48.0		48.2		1	0.42		11/07/2025
BOD5	mg/L	+/-20	25.9		25.8		1	0.19		11/06/2025

Duplicate Sample Summary

Client: Spectra East Inc.	SDG No.: Q3551
Project: Outfall 001 - Orangetown Dis Permit 2025	Sample ID: Q3554-01
Client ID: EFFLUENTMSD	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
Oil and Grease	mg/L	+/-18	38.6		38.8		1	0.52		11/07/2025

Duplicate Sample Summary

Client:	Spectra East Inc.	SDG No.:	Q3551
Project:	Outfall 001 - Orangetown Dis Permit 2025	Sample ID:	Q3630-05
Client ID:	DSN003DUP	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
COD	mg/L	+/-20	23.9		22.9		1	4.27		11/14/2025

Duplicate Sample Summary

Client:	Spectra East Inc.	SDG No.:	Q3551
Project:	Outfall 001 - Orangetown Dis Permit 2025	Sample ID:	Q3630-05
Client ID:	DSN003MSD	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
COD	mg/L	+/-20	68.4		67.4		1	1.47		11/14/2025

Duplicate Sample Summary

Client:	Spectra East Inc.	SDG No.:	Q3551
Project:	Outfall 001 - Orangetown Dis Permit 2025	Sample ID:	Q3630-06
Client ID:	DSN003DUP	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
Phenolics	mg/L	+/-20	0.015	U	0.024	J	1	200	*	11/17/2025

Duplicate Sample Summary

Client: Spectra East Inc. Project: Outfall 001 - Orangetown Dis Permit 2025 Client ID: DSN003MSD	SDG No.: Q3551 Sample ID: Q3630-06 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
Phenolics	mg/L	+/-20	1.10		1.10		1	0		11/17/2025

Laboratory Control Sample Summary

Client:	Spectra East Inc.	SDG No.:	Q3551
Project:	Outfall 001 - Orangetown Dis Permit 2025	Run No.:	LB137803

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LB137803BSW							
Bromide	mg/L	10	10.2		102	1	90-110	11/06/2025
Chloride	mg/L	3	3.10		103	1	90-110	11/06/2025
Fluoride	mg/L	2	2.00		100	1	90-110	11/06/2025
Nitrite	mg/L	3	3.00		100	1	90-110	11/06/2025
Nitrate	mg/L	2.5	2.50		100	1	90-110	11/06/2025
Sulfate	mg/L	15	15.2		101	1	90-110	11/06/2025
Orthophosphate as P	mg/L	5	4.80		96	1	90-110	11/06/2025

Laboratory Control Sample Summary

Client:	Spectra East Inc.	SDG No.:	Q3551
Project:	Outfall 001 - Orangetown Dis Permit 2025	Run No.:	LB137803

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LB137803BSW2							
Bromide	mg/L	10	10.5		105	1	90-110	11/07/2025
Chloride	mg/L	3	3.20		107	1	90-110	11/07/2025
Fluoride	mg/L	2	2.10		105	1	90-110	11/07/2025
Nitrite	mg/L	3	3.10		103	1	90-110	11/07/2025
Nitrate	mg/L	2.5	2.60		104	1	90-110	11/07/2025
Sulfate	mg/L	15	15.5		103	1	90-110	11/07/2025
Orthophosphate as P	mg/L	5	5.40		108	1	90-110	11/07/2025

Laboratory Control Sample Summary

Client: Spectra East Inc.

SDG No.: Q3551

Project: Outfall 001 - Orangetown Dis Permit 2025

Run No.: LB137812

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LB137812BS							
TSS	mg/L	550	531		96	1	90-110	11/07/2025

Laboratory Control Sample Summary

Client: Spectra East Inc.

SDG No.: Q3551

Project: Outfall 001 - Orangetown Dis Permit 2025

Run No.: LB137814

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LB137814BS							
Oil and Grease	mg/L	20.0	16.9		84	1	78-114	11/07/2025

Laboratory Control Sample Summary

Client: Spectra East Inc.

SDG No.: Q3551

Project: Outfall 001 - Orangetown Dis Permit 2025

Run No.: LB137856

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LB137856BS							
BOD5	mg/L	198	177		89	1	84.6-115.4	11/06/2025

Laboratory Control Sample Summary

Client:	Spectra East Inc.	SDG No.:	Q3551
Project:	Outfall 001 - Orangetown Dis Permit 2025	Run No.:	LB137904

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LB137904BS							
COD	mg/L	50	53.2		106	1	90-110	11/14/2025

Laboratory Control Sample Summary

Client: Spectra East Inc.

SDG No.: Q3551

Project: Outfall 001 - Orangetown Dis Permit 2025

Run No.: LB137801

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	PB170403BS							
Ammonia as N	mg/L	1	0.95		95	1	90-110	11/06/2025

Laboratory Control Sample Summary

Client: Spectra East Inc.

SDG No.: Q3551

Project: Outfall 001 - Orangetown Dis Permit 2025

Run No.: LB137822

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	PB170439BS							
Cyanide	mg/L	0.1	0.10		100	1	85-115	11/07/2025

Laboratory Control Sample Summary

Client: Spectra East Inc.

SDG No.: Q3551

Project: Outfall 001 - Orangetown Dis Permit 2025

Run No.: LB137926

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	PB170566BS							
Phenolics	mg/L	1	0.99		99	1	80-120	11/17/2025