

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

#### Hit Summary Sheet SW-846

SDG No.: Client:	Q1466 Holland Manufacturing Co.			Order ID: Project ID	:	Q1466 Pre Treatment Plant 2025		
Sample ID Client ID :	Client ID CITY WATER	Matrix	Parameter	Concentration	С	MDL	RDL	Units
Q1466-05	CITY WATER	Water	Calcium	22000		51.8	1000	ug/L
Q1466-05	CITY WATER	Water	Magnesium	11300		61.2	1000	ug/L
Q1466-05	CITY WATER	Water	Hardness, Total	101000		381	6620	ug/L

D









Hardness, Total 101000

11300

381

61.2

1

1

Hardness

7439-95-4 Magnesium

ug/L

ug/L

03/12/25 10:15 03/12/25 12:49 EPA 200.7

03/12/25 10:15 03/12/25 12:49 EPA 200.7

## **Report of Analysis**

Client:		Holla	and Manufa	cturing Co.			Date Collected	1: 02/2	7/25		
Project:		Pre 7	Freatment P	lant 2025			Date Received	: 02/2	7/25		H
Client S	ample ID:	CITY	Y WATER				SDG No.:	Q14	66		Ľ
Lab San	ple ID:	Q146	66-05				Matrix:	Wate	er		
Level (lo	ow/med):	low					% Solid:	0			J
Cas	Parameter	Conc.	Qua. DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met	
7440-70-2	Calcium	22000	1	51.8	1000	ug/L	03/12/25 10:15	03/12/25 12:49	EPA 200.7	7	

6620

1000

Color Before:	Colorless	Clarity Before:	Clear	Texture:
Color After:	Colorless	Clarity After:	Clear	Artifacts:
Comments:	Metals Group 12			
U = Not Detec	cted			J = Estimated Value
LOQ = Limit	of Quantitation			B = Analyte Found in Associated Method Blank
MDL = Metho	od Detection Limit			* = indicates the duplicate analysis is not within control limits.
LOD = Limit	of Detection			E = Indicates the reported value is estimated because of the presence
D = Dilution				of interference.
Q = indicates	LCS control criteria did not r	meet requirements		OR = Over Range
				N =Spiked sample recovery not within control limits



# LAB CHRONICLE

OrderID: Client: Contact:	Q1466 Holland Manufacturing Co. Todd Holland	OrderDate: Project: Location:	2/28/2025 8:17 Pre Treatment H11					
LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1466-05	CITY WATER	Water			02/27/25			02/27/25
			Metals Group 12	200.7		03/12/25	03/12/25	





# <u>SAMPLE</u> <u>DATA</u>



Client:	Holland M	lanufa	cturing Co.			Date Collected:	02/27/25 0	9:00
Project:	Pre Treatm	nent Pl	ant 2025			Date Received:	02/27/25	
Client Sample ID:	EFFLUEN	T				SDG No.:	Q1466	
Lab Sample ID:	Q1466-01					Matrix:	WATER	
						% Solid:	0	
Parameter	Conc. Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	-					•		
Ammonia as N	823 OR	1	2.30	5.00	mg/L	03/05/25 14:15	03/06/25 10:09	SM 4500-NH3
Ammonia as N BOD5	823 OR 11900	1	2.30 0.17		mg/L mg/L	•	03/06/25 10:09 02/28/25 16:00	
		1 1 1		5.00		•		SM 4500-NH3 B plus G-11
BOD5	11900	1 1 1 1	0.17	5.00	mg/L	•	02/28/25 16:00	SM 4500-NH3 B plus G-11 SM 5210 B-16
BOD5 Oil and Grease	11900 46.6	1 1 1 1	0.17 0.40	5.00 2.00 5.00	mg/L mg/L	•	02/28/25 16:00 02/28/25 10:25	SM 4500-NH3 B plus G-11 SM 5210 B-16 1664A SM 4500-P

- 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

- E = Indicates the reported value is estimated because of the presence of interference.
- OR = Over Range
- N =Spiked sample recovery not within control limits

<sup>\* =</sup> indicates the duplicate analysis is not within control limits.



<b>Parameter</b> Ammonia as N	Conc. Qu 813 I			LOQ / CRQL 50.0	mg/L	Prep Date 03/05/25 14:15	Date Ana. 03/06/25 10:48	<b>Ana Met.</b> SM 4500-NH3	_
aramotor	Cong O	10 D	F MDL		Units	Pron Data	Data Ana	Ana Mat	
						% Solid:	0		J
Lab Sample ID:	Q1466-	01DL				Matrix:	WATER		
Client Sample ID:	EFFLU	ENTDI	_			SDG No.:	Q1466		
Project:	Pre Trea	atment	Plant 2025			Date Received:	02/27/25		
Client:	Holland	l Manut	facturing Co.			Date Collected:	02/27/25 0	9:00	

- 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



Client:	Holland M	anufacturing Co.			Date Collected:	02/27/25 0	)9:00
Project:	Pre Treatm	ent Plant 2025			Date Received:	02/27/25	
Client Sample ID:	AERATIO	N			SDG No.:	Q1466	
Lab Sample ID:	Q1466-04				Matrix:	WATER	
					% Solid:	0	
Parameter	Conc. Qua.	DF MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
TSS	1890	1 1.00	4.00	mg/L		02/28/25 11:00	SM 2540 D-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

B



<b>Parameter</b> Chloride	<b>Conc.</b> 21.1	<b>Qua.</b> OR	<b>DF</b>	<b>MDL</b> 0.011	LOQ / CRQL 0.60	Units mg/L	Prep Date	<b>Date Ana.</b> 02/28/25 11:13	<b>Ana Met.</b> 9056A	
Lab Sample ID:	Q14	66-05					Matrix: % Solid:	WATER 0		J
Client Sample ID:	CIT	Y WAT	ER				SDG No.:	Q1466		
Project:	Pre	Treatme	ent Pla	nt 2025			Date Received:	02/27/25		
Client:	Holl	land Ma	nufac	turing Co.			Date Collected:	02/27/25 0	9:00	

- 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



							в
	Client:	Holland Manufacturing	Co.	Date Co	ollected: 02/27/2	5 09:00	
	Project:	Pre Treatment Plant 202	5	Date Ro	eceived: 02/27/2	5	
	Client Sample ID:	CITY WATERDL		SDG N	o.: Q1466		
	Lab Sample ID:	Q1466-05DL		Matrix:	WATER	۲. Electronic electro	
				% Solic	l: 0		
1	Parameter	Conc. Qua. DF MDL	LOQ / CRQL	Units Pr	ep Date Date Ana.	Ana Met.	
(	Chloride	19.6 D 5 0.055	3.00	mg/L	02/28/25 12:	39 9056A	

- 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



# LAB CHRONICLE

OrderID: Client: Contact:	Q1466 Holland Manufacturing Co. Todd Holland			OrderDate: Project: Location:	2/28/2025 8:17 Pre Treatment H11			
LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1466-01	EFFLUENT	WATER			02/27/25 09:00			02/27/25
			Ammonia	SM4500-NH3		03/05/25	03/06/25 10:09	
			BOD5	SM5210 B			02/28/25 16:00	
			Oil and Grease	1664A			02/28/25 10:25	
			Phosphorus-Ortho	SM4500-P E			02/28/25 16:46	
			Phosphorus-Total	365.3		02/28/25	02/28/25 15:36	
			TSS	SM2540 D			02/28/25 11:00	
Q1466-01D	L EFFLUENTDL	WATER			02/27/25 09:00			02/27/25
			Ammonia	SM4500-NH3		03/05/25	03/06/25 10:48	
Q1466-04	AERATION	WATER			02/27/25 09:00			02/27/25
			TSS	SM2540 D			02/28/25 11:00	
Q1466-05	CITY WATER	WATER			02/27/25 09:00			02/27/25
			Anions Group2	9056A			02/28/25 11:13	
			Residual Chlorine	SM4500 CI G			02/28/25 10:11	

A B C



						Α
			LAB CHRONI	ICLE		В
Q1466-05DL	CITY WATERDL	WATER		02/27/25 09:00	02/27/25	С
			Anions Group2	9056A	02/28/25 12:39	