



A

B

C

SAMPLE DATA

Report of Analysis

Client:	Holland Manufacturing Co.	Date Collected:	01/15/25 13:00
Project:	Pre Treatment Plant	Date Received:	01/15/25
Client Sample ID:	EFFLUENT	SDG No.:	Q1101
Lab Sample ID:	Q1101-01	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Ammonia as N	472	OR	1	2.30	5.00	mg/L	01/16/25 08:45	01/16/25 11:10	SM 4500-NH3 B plus G-11
BOD5	4880		1	0.17	2.00	mg/L		01/16/25 16:50	SM 5210 B-16
Oil and Grease	13.4		1	0.40	5.00	mg/L		01/16/25 09:00	1664A
Orthophosphate as P	0.048	J	1	0.0040	0.050	mg/L		01/15/25 16:36	SM 4500-P E-11
Phosphorus, Total	0.076		1	0.0050	0.050	mg/L	01/16/25 09:00	01/16/25 12:06	365.3
TSS	756		1	1.00	4.00	mg/L		01/16/25 09:30	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

Report of Analysis

Client:	Holland Manufacturing Co.	Date Collected:	01/15/25 13:00
Project:	Pre Treatment Plant	Date Received:	01/15/25
Client Sample ID:	EFFLUENTDL	SDG No.:	Q1101
Lab Sample ID:	Q1101-01DL	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Ammonia as N	479	D	10	22.5	50.0	mg/L	01/16/25 08:45	01/16/25 11:37	SM 4500-NH3 B plus G-11

Comments:

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LOD = Limit of Detection

D = Dilution

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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.

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OR = Over Range

N =Spiked sample recovery not within control limits

Report of Analysis

Client:	Holland Manufacturing Co.	Date Collected:	01/15/25 13:00
Project:	Pre Treatment Plant	Date Received:	01/15/25
Client Sample ID:	AERATION 1	SDG No.:	Q1101
Lab Sample ID:	Q1101-04	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
TSS	2010		1	1.00	4.00	mg/L		01/16/25 09:30	SM 2540 D-15

Comments: _____

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LOD = Limit of Detection

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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:	Holland Manufacturing Co.	Date Collected:	01/15/25 13:00
Project:	Pre Treatment Plant	Date Received:	01/15/25
Client Sample ID:	INFLUENT	SDG No.:	Q1101
Lab Sample ID:	Q1101-05	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Ammonia as N	151	OR	1	2.30	5.00	mg/L	01/16/25 08:45	01/16/25 11:10	SM 4500-NH3 B plus G-11
BOD5	9100		1	0.17	2.00	mg/L		01/16/25 16:50	SM 5210 B-16

Comments: _____

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LOD = Limit of Detection
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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:	Holland Manufacturing Co.	Date Collected:	01/15/25 13:00
Project:	Pre Treatment Plant	Date Received:	01/15/25
Client Sample ID:	INFLUENTDL	SDG No.:	Q1101
Lab Sample ID:	Q1101-05DL	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Ammonia as N	155	D	2	4.50	10.0	mg/L	01/16/25 08:45	01/16/25 11:37	SM 4500-NH3 B plus G-11

Comments:

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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:	Q1101	OrderDate:	1/15/2025 2:41:00 PM
Client:	Holland Manufacturing Co.	Project:	Pre Treatment Plant
Contact:	Todd Holland	Location:	M11

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1101-01	EFFLUENT	WATER			01/15/25 13:00			01/15/25
			Ammonia	SM4500-NH3		01/16/25	01/16/25 11:10	
			BOD5	SM5210 B			01/16/25 16:50	
			Oil and Grease	1664A			01/16/25 09:00	
			Phosphorus-Ortho	SM4500-P E			01/15/25 16:36	
			Phosphorus-Total	365.3		01/16/25	01/16/25 12:06	
			TSS	SM2540 D			01/16/25 09:30	
Q1101-01DL	EFFLUENTDL	WATER			01/15/25 13:00			01/15/25
			Ammonia	SM4500-NH3		01/16/25	01/16/25 11:37	
Q1101-04	AERATION 1	WATER			01/15/25 13:00			01/15/25
			TSS	SM2540 D			01/16/25 09:30	
Q1101-05	INFLUENT	WATER			01/15/25 13:00			01/15/25
			Ammonia	SM4500-NH3		01/16/25	01/16/25 11:10	
			BOD5	SM5210 B			01/16/25 16:50	

LAB CHRONICLE

Q1101-05DL	INFLUENTDL	WATER			01/15/25 13:00		01/15/25
			Ammonia	SM4500-NH3		01/16/25	01/16/25 11:37