



A

B

C

# SAMPLE DATA

## Report of Analysis

Client:	Holland Manufacturing Co.	Date Collected:	12/05/24 10:45
Project:	Pre Treatment Plant	Date Received:	12/05/24
Client Sample ID:	EFFLUENT	SDG No.:	P5146
Lab Sample ID:	P5146-01	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Ammonia as N	521	OR	1	2.30	5.00	mg/L	12/09/24 08:50	12/09/24 14:27	SM 4500-NH3 B plus G-11
BOD5	4930		1	0.17	2.00	mg/L		12/05/24 17:40	SM 5210 B-16
Oil and Grease	26.3		1	0.40	5.00	mg/L		12/06/24 10:30	1664A
Orthophosphate as P	0.041	J	1	0.0040	0.050	mg/L		12/06/24 15:48	SM 4500-P E-11
Phosphorus, Total	0.080		1	0.0050	0.050	mg/L	12/06/24 10:10	12/06/24 16:06	365.3
TSS	1640		1	1.00	4.00	mg/L		12/09/24 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

## Report of Analysis

Client:	Holland Manufacturing Co.	Date Collected:	12/05/24 10:45
Project:	Pre Treatment Plant	Date Received:	12/05/24
Client Sample ID:	EFFLUENTDL	SDG No.:	P5146
Lab Sample ID:	P5146-01DL	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Ammonia as N	525	D	10	22.5	50.0	mg/L	12/09/24 08:50	12/09/24 14:54	SM 4500-NH3 B plus G-11

Comments:

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LOQ = Limit of Quantitation

MDL = Method Detection Limit

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.

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:	12/05/24 10:45
Project:	Pre Treatment Plant	Date Received:	12/05/24
Client Sample ID:	AERATION TK 1	SDG No.:	P5146
Lab Sample ID:	P5146-04	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
TSS	2690		1	1.00	4.00	mg/L		12/09/24 11:00	SM 2540 D-15

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.

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:	12/05/24 10:45
Project:	Pre Treatment Plant	Date Received:	12/05/24
Client Sample ID:	INFLUENT	SDG No.:	P5146
Lab Sample ID:	P5146-05	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Ammonia as N	176	OR	1	2.30	5.00	mg/L	12/09/24 08:50	12/09/24 14:27	SM 4500-NH3 B plus G-11
BOD5	32300		1	0.17	2.00	mg/L		12/05/24 17:40	SM 5210 B-16

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

## Report of Analysis

Client:	Holland Manufacturing Co.	Date Collected:	12/05/24 10:45
Project:	Pre Treatment Plant	Date Received:	12/05/24
Client Sample ID:	INFLUENTDL	SDG No.:	P5146
Lab Sample ID:	P5146-05DL	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Ammonia as N	172	D	2	4.50	10.0	mg/L	12/09/24 08:50	12/09/24 14:54	SM 4500-NH3 B plus G-11

Comments:

U = Not Detected

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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

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OR = Over Range

N =Spiked sample recovery not within control limits

## LAB CHRONICLE

<b>OrderID:</b>	P5146	<b>OrderDate:</b>	12/5/2024 2:40:00 PM
<b>Client:</b>	Holland Manufacturing Co.	<b>Project:</b>	Pre Treatment Plant
<b>Contact:</b>	Todd Holland	<b>Location:</b>	M11

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
<b>P5146-01</b>	<b>EFFLUENT</b>	<b>WATER</b>			<b>12/05/24 10:45</b>			<b>12/05/24</b>
			Ammonia	SM4500-NH3		12/09/24	12/09/24 14:27	
			BOD5	SM5210 B			12/05/24 17:40	
			Oil and Grease	1664A			12/06/24 10:30	
			Phosphorus-Ortho	SM4500-P E			12/06/24 15:48	
			Phosphorus-Total	365.3		12/06/24	12/06/24 16:06	
			TSS	SM2540 D			12/09/24 11:00	
<b>P5146-01DL</b>	<b>EFFLUENTDL</b>	<b>WATER</b>			<b>12/05/24 10:45</b>			<b>12/05/24</b>
			Ammonia	SM4500-NH3		12/09/24	12/09/24 14:54	
<b>P5146-04</b>	<b>AERATION TK 1</b>	<b>WATER</b>			<b>12/05/24 10:45</b>			<b>12/05/24</b>
			TSS	SM2540 D			12/09/24 11:00	
<b>P5146-05</b>	<b>INFLUENT</b>	<b>WATER</b>			<b>12/05/24 10:45</b>			<b>12/05/24</b>
			Ammonia	SM4500-NH3		12/09/24	12/09/24 14:27	
			BOD5	SM5210 B			12/05/24 17:40	

LAB CHRONICLE

P5146-05DL	INFLUENTDL	WATER			12/05/24 10:45		12/05/24
			Ammonia	SM4500-NH3		12/09/24	12/09/24 14:54