

DATA REPORTING QUALIFIERS- INORGANIC

For reporting results, the following “ Results Qualifiers” are used:

J	Indicates the reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL), but greater than or equal to the Instrument Detection Limit (IDL).
U	Indicates the analyte was analyzed for, but not detected.
ND	Indicates the analyte was analyzed for, but not detected
E	Indicates the reported value is estimated because of the presence of interference
M	Indicates Duplicate injection precision not met.
N	Indicates the spiked sample recovery is not within control limits.
S	Indicates the reported value was determined by the Method of Standard Addition (MSA).
*	Indicates that the duplicate analysis is not within control limits.
+	Indicates the correlation coefficient for the MSA is less than 0.995.
D	Indicates the reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range.
M	Method qualifiers “P” for ICP instrument “PM” for ICP when Microwave Digestion is used “CV” for Manual Cold Vapor AA “AV” for automated Cold Vapor AA “CA” for MIDI-Distillation Spectrophotometric “AS” for Semi -Automated Spectrophotometric “C” for Manual Spectrophotometric “T” for Titrimetric “NR” for analyte not required to be analyzed
OR	Indicates the analyte’s concentration exceeds the calibrated range of the instrument for that specific analysis.
Q	Indicates the LCS did not meet the control limits requirements
H	Sample Analysis Out Of Hold Time

LAB CHRONICLE

OrderID:	Q1359	OrderDate:	2/12/2025 12:50:00 PM
Client:	Holland Manufacturing Co.	Project:	Pre Treatment Plant
Contact:	Todd Holland	Location:	N41

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1359-01	EFFLUENT	WATER			02/12/25 11:00			02/12/25
			Ammonia	SM4500-NH3		02/14/25	02/14/25 13:42	
			BOD5	SM5210 B			02/13/25 16:20	
			Oil and Grease	1664A			02/13/25 11:00	
			Phosphorus-Ortho	SM4500-P E			02/12/25 16:51	
			Phosphorus-Total	365.3		02/12/25	02/12/25 15:21	
			TSS	SM2540 D			02/13/25 09:30	
Q1359-01DL	EFFLUENTDL	WATER			02/12/25 11:00			02/12/25
			Ammonia	SM4500-NH3		02/14/25	02/14/25 14:23	
Q1359-04	AERATION 1	WATER			02/12/25 11:00			02/12/25
			TSS	SM2540 D			02/13/25 09:30	
Q1359-05	INFLUENT	WATER			02/12/25 11:00			02/12/25
			Ammonia	SM4500-NH3		02/14/25	02/14/25 13:53	
			BOD5	SM5210 B			02/13/25 16:20	

LAB CHRONICLE

Q1359-05DL

INFLUENTDL

WATER

**02/12/25
11:00**

02/12/25

Ammonia

SM4500-NH3

02/14/25

02/14/25
14:23



SAMPLE DATA

Report of Analysis

Client:	Holland Manufacturing Co.	Date Collected:	02/12/25 11:00
Project:	Pre Treatment Plant	Date Received:	02/12/25
Client Sample ID:	EFFLUENT	SDG No.:	Q1359
Lab Sample ID:	Q1359-01	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Ammonia as N	651	OR	1	2.30	5.00	mg/L	02/14/25 10:30	02/14/25 13:42	SM 4500-NH3 B plus G-11
BOD5	107000		1	0.17	2.00	mg/L		02/13/25 16:20	SM 5210 B-16
Oil and Grease	9.80		1	0.40	5.00	mg/L		02/13/25 11:00	1664A
Orthophosphate as P	0.085		1	0.0040	0.050	mg/L		02/12/25 16:51	SM 4500-P E-11
Phosphorus, Total	0.15		1	0.0050	0.050	mg/L	02/12/25 13:30	02/12/25 15:21	365.3
TSS	395		1	1.00	4.00	mg/L		02/13/25 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:	02/12/25 11:00
Project:	Pre Treatment Plant	Date Received:	02/12/25
Client Sample ID:	EFFLUENTDL	SDG No.:	Q1359
Lab Sample ID:	Q1359-01DL	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Ammonia as N	580	D	10	22.5	50.0	mg/L	02/14/25 10:30	02/14/25 14:23	SM 4500-NH3 B plus G-11

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:	02/12/25 11:00
Project:	Pre Treatment Plant	Date Received:	02/12/25
Client Sample ID:	AERATION 1	SDG No.:	Q1359
Lab Sample ID:	Q1359-04	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
TSS	1070		1	1.00	4.00	mg/L		02/13/25 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:	02/12/25 11:00
Project:	Pre Treatment Plant	Date Received:	02/12/25
Client Sample ID:	INFLUENT	SDG No.:	Q1359
Lab Sample ID:	Q1359-05	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Ammonia as N	848	OR	1	2.30	5.00	mg/L	02/14/25 10:30	02/14/25 13:53	SM 4500-NH3 B plus G-11
BOD5	16800		1	0.17	2.00	mg/L		02/13/25 16:20	SM 5210 B-16

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:	02/12/25 11:00
Project:	Pre Treatment Plant	Date Received:	02/12/25
Client Sample ID:	INFLUENTDL	SDG No.:	Q1359
Lab Sample ID:	Q1359-05DL	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Ammonia as N	843	D	10	22.5	50.0	mg/L	02/14/25 10:30	02/14/25 14:23	SM 4500-NH3 B plus G-11

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: Holland Manufacturing Co.

SDG No.: Q1359

Project: Pre Treatment Plant

RunNo.: LB134693

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV Orthophosphate as P	mg/L	0.496	0.50	99	90-110	02/12/2025
Sample ID: CCV1 Orthophosphate as P	mg/L	0.509	0.5	102	90-110	02/12/2025
Sample ID: CCV2 Orthophosphate as P	mg/L	0.510	0.5	102	90-110	02/12/2025

Initial and Continuing Calibration Verification

Client: Holland Manufacturing Co.

SDG No.: Q1359

Project: Pre Treatment Plant

RunNo.: LB134695

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV Phosphorus, Total	mg/L	0.504	0.50	101	90-110	02/12/2025
Sample ID: CCV1 Phosphorus, Total	mg/L	0.507	0.50	101	90-110	02/12/2025
Sample ID: CCV2 Phosphorus, Total	mg/L	0.505	0.50	101	90-110	02/12/2025

Initial and Continuing Calibration Verification

Client: Holland Manufacturing Co.

SDG No.: Q1359

Project: Pre Treatment Plant

RunNo.: LB134721

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV1 Ammonia as N	mg/L	1	1	100	90-110	02/14/2025
Sample ID: CCV1 Ammonia as N	mg/L	0.93	1	93	90-110	02/14/2025
Sample ID: CCV2 Ammonia as N	mg/L	1	1	100	90-110	02/14/2025
Sample ID: CCV3 Ammonia as N	mg/L	1	1	100	90-110	02/14/2025
Sample ID: CCV4 Ammonia as N	mg/L	0.99	1	99	90-110	02/14/2025
Sample ID: CCV5 Ammonia as N	mg/L	0.99	1	99	90-110	02/14/2025

Initial and Continuing Calibration Verification

Client: Holland Manufacturing Co.

SDG No.: Q1359

Project: Pre Treatment Plant

RunNo.: LB134721

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
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Initial and Continuing Calibration Blank Summary

Client: Holland Manufacturing Co.

SDG No.: Q1359

Project: Pre Treatment Plant

RunNo.: LB134693

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: ICB Orthophosphate as P	mg/L	0.004	0.0250	J	0.0040	0.05	02/12/2025
Sample ID: CCB1 Orthophosphate as P	mg/L	0.004	0.0250	J	0.0040	0.05	02/12/2025
Sample ID: CCB2 Orthophosphate as P	mg/L	0.004	0.0250	J	0.0040	0.05	02/12/2025

Initial and Continuing Calibration Blank Summary

Client: Holland Manufacturing Co.

SDG No.: Q1359

Project: Pre Treatment Plant

RunNo.: LB134695

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: ICB Phosphorus, Total	mg/L	0.006	0.0250	J	0.0047	0.05	02/12/2025
Sample ID: CCB1 Phosphorus, Total	mg/L	0.006	0.0250	J	0.0047	0.05	02/12/2025
Sample ID: CCB2 Phosphorus, Total	mg/L	0.006	0.0250	J	0.0047	0.05	02/12/2025

Initial and Continuing Calibration Blank Summary

Client: Holland Manufacturing Co.

SDG No.: Q1359

Project: Pre Treatment Plant

RunNo.: LB134721

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: ICB1 Ammonia as N	mg/L	< 0.0500	0.0500	U	0.045	0.1	02/14/2025
Sample ID: CCB1 Ammonia as N	mg/L	< 0.0500	0.0500	U	0.045	0.1	02/14/2025
Sample ID: CCB2 Ammonia as N	mg/L	< 0.0500	0.0500	U	0.045	0.1	02/14/2025
Sample ID: CCB3 Ammonia as N	mg/L	< 0.0500	0.0500	U	0.045	0.1	02/14/2025
Sample ID: CCB4 Ammonia as N	mg/L	< 0.0500	0.0500	U	0.045	0.1	02/14/2025
Sample ID: CCB5 Ammonia as N	mg/L	< 0.0500	0.0500	U	0.045	0.1	02/14/2025

Initial and Continuing Calibration Blank Summary

Client: Holland Manufacturing Co.

SDG No.: Q1359

Project: Pre Treatment Plant

RunNo.: LB134721

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
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Preparation Blank Summary

Client: Holland Manufacturing Co.

SDG No.: Q1359

Project: Pre Treatment Plant

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: LB134693BL Orthophosphate as P	mg/L	0.004	0.0250	J	0.004	0.05	02/12/2025
Sample ID: LB134698BL TSS	mg/L	1	2.0000	J	1	4	02/13/2025
Sample ID: LB134701BL Oil and Grease	mg/L	< 2.5000	2.5000	U	0.4	5.0	02/13/2025
Sample ID: LB134708BL BOD5	mg/L	< 0.2000	0.2000	U	0.17	2.0	02/13/2025
Sample ID: PB166707BL Phosphorus, Total	mg/L	0.006	0.0250	J	0.005	0.05	02/12/2025
Sample ID: PB166729BL Ammonia as N	mg/L	< 0.0500	0.0500	U	0.045	0.1	02/14/2025

Matrix Spike Summary

Client:	Holland Manufacturing Co.	SDG No.:	Q1359
Project:	Pre Treatment Plant	Sample ID:	Q1359-01
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
Orthophosphate as P	mg/L	90-110	0.53		0.085		0.5	1	88	*	02/12/2025
Phosphorus, Total	mg/L	90-110	0.58		0.15		0.5	1	86	*	02/12/2025

Matrix Spike Summary

Client:	Holland Manufacturing Co.	SDG No.:	Q1359
Project:	Pre Treatment Plant	Sample ID:	Q1359-01
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
Orthophosphate as P	mg/L	90-110	0.52		0.085		0.5	1	88	*	02/12/2025
Phosphorus, Total	mg/L	90-110	0.59		0.15		0.5	1	88	*	02/12/2025

Matrix Spike Summary

Client:	Holland Manufacturing Co.	SDG No.:	Q1359
Project:	Pre Treatment Plant	Sample ID:	Q1359-01
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	29.8		9.80		20.0	1	100		02/13/2025

Matrix Spike Summary

Client:	Holland Manufacturing Co.	SDG No.:	Q1359
Project:	Pre Treatment Plant	Sample ID:	Q1359-01
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	30.2		9.80		20.0	1	102		02/13/2025

Matrix Spike Summary

Client:	Holland Manufacturing Co.	SDG No.:	Q1359
Project:	Pre Treatment Plant	Sample ID:	Q1359-05
Client ID:	INFLUENTMS	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	868	OR	848	OR	50	1	40	*	02/14/2025

Matrix Spike Summary

Client:	Holland Manufacturing Co.	SDG No.:	Q1359
Project:	Pre Treatment Plant	Sample ID:	Q1359-05
Client ID:	INFLUENTMSD	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	849	OR	848	OR	50	1	2	*	02/14/2025

Duplicate Sample Summary

Client: Holland Manufacturing Co. Project: Pre Treatment Plant Client ID: EFFLUENTDUP	SDG No.: Q1359 Sample ID: Q1359-01 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
Orthophosphate as P	mg/L	+/-20	0.085		0.087		1	2.33		02/12/2025
Phosphorus, Total	mg/L	+/-20	0.15		0.15		1	1.32		02/12/2025

Duplicate Sample Summary

Client: Holland Manufacturing Co.	SDG No.: Q1359
Project: Pre Treatment Plant	Sample ID: Q1359-01
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
Orthophosphate as P	mg/L	+/-20	0.53		0.52		1	0.57		02/12/2025
Phosphorus, Total	mg/L	+/-20	0.58		0.59		1	1.87		02/12/2025

Duplicate Sample Summary

Client: Holland Manufacturing Co. Project: Pre Treatment Plant Client ID: EFFLUENTMSD	SDG No.: Q1359 Sample ID: Q1359-01 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
Oil and Grease	mg/L	+/-18	29.8		30.2		1	1.33		02/13/2025

Duplicate Sample Summary

Client: Holland Manufacturing Co.	SDG No.: Q1359
Project: Pre Treatment Plant	Sample ID: Q1359-05
Client ID: INFLUENTDUP	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	848	OR	854	OR	1	1		02/14/2025

Duplicate Sample Summary

Client:	Holland Manufacturing Co.	SDG No.:	Q1359
Project:	Pre Treatment Plant	Sample ID:	Q1359-05
Client ID:	INFLUENTMSD	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	868	OR	849	OR	1	2		02/14/2025

Duplicate Sample Summary

Client:	Holland Manufacturing Co.	SDG No.:	Q1359
Project:	Pre Treatment Plant	Sample ID:	Q1361-02
Client ID:	COMPDUP	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	468		446		1	4.81		02/13/2025
BOD5	mg/L	+/-20	983		999		1	1.62		02/13/2025

Laboratory Control Sample Summary

Client: Holland Manufacturing Co.

SDG No.: Q1359

Project: Pre Treatment Plant

Run No.: LB134693

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LB134693BS							
Orthophosphate as P	mg/L	0.5	0.51		102	1	90-110	02/12/2025

Laboratory Control Sample Summary

Client: Holland Manufacturing Co.

SDG No.: Q1359

Project: Pre Treatment Plant

Run No.: LB134698

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LB134698BS							
TSS	mg/L	550	532		97	1	90-110	02/13/2025

Laboratory Control Sample Summary

Client: Holland Manufacturing Co.

SDG No.: Q1359

Project: Pre Treatment Plant

Run No.: LB134701

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LB134701BS							
Oil and Grease	mg/L	20.0	16.6		83	1	78-114	02/13/2025

Laboratory Control Sample Summary

Client: Holland Manufacturing Co.

SDG No.: Q1359

Project: Pre Treatment Plant

Run No.: LB134708

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LB134708BS							
BOD5	mg/L	198	199		100	1	84.6-115.4	02/13/2025

Laboratory Control Sample Summary

Client: Holland Manufacturing Co.

SDG No.: Q1359

Project: Pre Treatment Plant

Run No.: LB134695

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	PB166707BS							
Phosphorus, Total	mg/L	0.50	0.50		100	1	90-110	02/12/2025

Laboratory Control Sample Summary

Client: Holland Manufacturing Co.

SDG No.: Q1359

Project: Pre Treatment Plant

Run No.: LB134721

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	PB166729BS							
Ammonia as N	mg/L	1	1.00		100	1	90-110	02/14/2025



RAW DATA

Analytical Summary Report

Analysis Method: SM4500-P E

ANALYST: Niha

Parameter: Phosphorus-Ortho

SUPERVISOR REVIEW BY: jignesh

Run Number: LB134693

Reagent/Standard	Lot/Log #
calibration std. phosphate 1 ppm	WP111903
calibration std. phosphate 0.5 ppm	WP111902
calibration std. phosphate 0.3 ppm	WP111901
calibration std. phosphate 0.1 ppm	WP111900
calibration std. phosphate 0.05 ppm	WP111899
calibration std. 0 ppm	WP111898
phosphate CCV std.	WP111904
5N sulfuric acid	WP110380
Combined reagent	WP111907
Phenolphthalein indicator	WP111415
Sodium hydroxide, 1N	WP111323
Phosphate ICV-LCS Std	WP111905

Intercept: -0.0025

Slope: 0.6497

Regression: 0.999819

Seq	Lab ID	True Value (mg/L)	DF	Initial Volume (mL)	Final Volume (mL)	Absorbance Reading at 880nm	Result (mg/L)	%D	AnalDate	AnalTime
1	CAL1	0.00	1	50	50	0.000	0.004		02/12/2025	16:45
2	CAL2	0.05	1	50	50	0.033	0.055	10	02/12/2025	16:45
3	CAL3	0.10	1	50	50	0.063	0.101	1	02/12/2025	16:46
4	CAL4	0.30	1	50	50	0.183	0.286	-4.7	02/12/2025	16:46
5	CAL5	0.50	1	50	50	0.324	0.503	0.6	02/12/2025	16:47
6	CAL6	1.00	1	50	50	0.649	1.003	0.3	02/12/2025	16:47

Analysis Method: SM4500-P E

ANALYST: Niha

Parameter: Phosphorus-Ortho

SUPERVISOR REVIEW BY: jignesh

Run Number: LB134693

Seq	Lab ID	True Value (mg/l)	DF	Initial Volume (mL)	Final Volume (mL)	Absorbance Reading at 880nm	Result (mg/L)	AnalDate	AnalTime
1	ICV	0.50	1	50	50	0.320	0.496	02/12/2025	16:48
2	ICB		1	50	50	0.000	0.004	02/12/2025	16:48
3	CCV1	0.5	1	50	50	0.328	0.509	02/12/2025	16:49
4	CCB1		1	50	50	0.000	0.004	02/12/2025	16:49
5	RL Check	0.01	1	50	50	0.032	0.053	02/12/2025	16:50
6	LB134693BL		1	50	50	0.000	0.004	02/12/2025	16:50
7	LB134693BS	0.5	1	50	50	0.328	0.509	02/12/2025	16:51
8	Q1359-01		1	50	50	0.053	0.085	02/12/2025	16:51
9	Q1359-01DUP		1	50	50	0.054	0.087	02/12/2025	16:52
10	Q1359-01MS	0.5	1	50	50	0.340	0.527	02/12/2025	16:52
11	Q1359-01MSD	0.5	1	50	50	0.338	0.524	02/12/2025	16:53
12	CCV2	0.5	1	50	50	0.329	0.510	02/12/2025	16:53
13	CCB2		1	50	50	0.000	0.004	02/12/2025	16:54

WORKLIST(Hardcopy Internal Chain)

LB134693

WorkList Name : ORTHO-P-02122025

WorkList ID : 187678

Department : Wet-Chemistry

Date : 02-12-2025 13:11:13

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1359-01 - B	EFFLUENT	Water	Phosphorus-Ortho	Conc H2SO4 to pH < 2	HOLL01	N41	02/12/2025	SM4500-P E

Date/Time 02.12.2025, 13:15
 Raw Sample Received by: NF(wc)
 Raw Sample Relinquished by: [Signature]

Date/Time 02.12.2025 17:00
 Raw Sample Received by: [Signature]
 Raw Sample Relinquished by: NF(wc)

Analytical Summary Report

Analysis Method: 365.3
Parameter: Phosphorus-Total
Run Number: LB134695

ANALYST: Niha
SUPERVISOR REVIEW BY: jignesh

Reagent/Standard	Lot/Log #
calibration std. phosphate 1 ppm	WP111903
calibration std. phosphate 0.5 ppm	WP111902
calibration std. phosphate 0.3 ppm	WP111901
calibration std. phosphate 0.1 ppm	WP111900
calibration std. phosphate 0.05 ppm	WP111899
calibration std. 0 ppm	WP111898
phosphate CCV std.	WP111904
Combined reagent	WP111907
Phenolphthalein indicator	WP111415
Sodium hydroxide, 1N	WP111323
Phosphate ICV-LCS Std	WP111905

Intercept: -0.0037 Slope: 0.6642 Regression: 0.999539

Seq	Lab ID	True Value (mg/L)	DF	Initial Volume (mL)	Final Volume (mL)	Absorbance Reading at 880nm	Result (mg/L)	%D	AnalDate	AnalTime
1	CAL1	0.00	1	50	50	0.000	0.006		02/12/2025	15:15
2	CAL2	0.05	1	50	50	0.033	0.055	10	02/12/2025	15:15
3	CAL3	0.10	1	50	50	0.065	0.103	3	02/12/2025	15:16
4	CAL4	0.30	1	50	50	0.180	0.277	-7.7	02/12/2025	15:16
5	CAL5	0.50	1	50	50	0.332	0.505	1	02/12/2025	15:17
6	CAL6	1.00	1	50	50	0.663	1.004	0.4	02/12/2025	15:17

Analysis Method: 365.3

ANALYST: Niha

Parameter: Phosphorus-Total

SUPERVISOR REVIEW BY: jignesh

Run Number: LB134695

Seq	Lab ID	True Value (mg/l)	DF	Initial Volume (mL)	Final Volume (mL)	Absorbance Reading at 880nm	Result (mg/L)	AnalDate	AnalTime
1	ICV	0.50	1	50	50	0.331	0.504	02/12/2025	15:18
2	ICB		1	50	50	0.000	0.006	02/12/2025	15:18
3	CCV1	0.50	1	50	50	0.333	0.507	02/12/2025	15:19
4	CCB1		1	50	50	0.000	0.006	02/12/2025	15:19
5	RL Check	0.01	1	50	50	0.033	0.055	02/12/2025	15:20
6	PB166707BL		1	50	50	0.000	0.006	02/12/2025	15:20
7	PB166707BS	0.50	1	50	50	0.330	0.502	02/12/2025	15:21
8	Q1359-01		1	50	50	0.097	0.152	02/12/2025	15:21
9	Q1359-01DUP		1	50	50	0.096	0.150	02/12/2025	15:22
10	Q1359-01MS	0.50	1	50	50	0.383	0.582	02/12/2025	15:22
11	Q1359-01MSD	0.50	1	50	50	0.390	0.593	02/12/2025	15:23
12	CCV2	0.50	1	50	50	0.332	0.505	02/12/2025	15:23
13	CCB2		1	50	50	0.000	0.006	02/12/2025	15:24

TOTAL SUSPENDED SOLIDS - SM2540D

SUPERVISOR: Iwona

ANALYST: jignesh

Date: 02/12/2025

Run Number: LB134698

BalanceID: WC SC-6

OvenID: WC OVEN-1

FilterID: 17416528

ThermometerID: WET OVEN#1

TEMP1 IN: 103 °C 02/12/2025 14:00 TEMP1 OUT: 103 °C 02/12/2025 15:00
 TEMP2 IN: 104 °C 02/12/2025 15:30 TEMP2 OUT: 103 °C 02/12/2025 16:30
 TEMP3 IN: 104 °C 02/13/2025 09:30 TEMP3 OUT: 103 °C 02/13/2025 11:00
 TEMP4 IN: 104 °C 02/13/2025 11:30 TEMP4 OUT: 103 °C 02/13/2025 13:00

Dish #	Lab ID	Client ID	Empty Dish Weight (g)	Final Empty Dish Weight (g)	Sample Volume (ml)	1st Empty Dish+Sample weight after 1.5hr drying @103-@105°C (g)	2nd Empty Dish+Sample weight after 1.5hr drying @103-@105°C (g)	Final Empty Dish+Sample weight after 1.5hr drying @103-@105°C (g)	Weight (g)	Result mg/L
1	LB134698BL	LB134698BL	1.5863	1.5863	100	1.5864	1.5864	1.5864	0.0001	1
2	LB134698BS	LB134698BS	1.4035	1.4035	100	1.4567	1.4567	1.4567	0.0532	532
3	Q1348-01	TWP-1-WC	1.4824	1.4824	1000	1.5738	1.5738	1.5738	0.0914	91.4
4	Q1359-01	EFFLUENT	1.4995	1.4995	60	1.5232	1.5232	1.5232	0.0237	395
5	Q1359-04	AERATION-1	1.4976	1.4976	60	1.5617	1.5617	1.5617	0.0641	1068.3
6	Q1361-02	COMP	1.4923	1.4923	50	1.5157	1.5157	1.5157	0.0234	468
7	Q1361-02DUP	COMPDUP	1.4976	1.4976	50	1.5199	1.5199	1.5199	0.0223	446

A = Sample Volume (ml)
 B = Final Empty Dish Weight (g)
 C = Final Empty Dish + Sample weight after 1.5 hr drying @105°C(g)
 D = Weight (g)

Weight (g) = C - B

Result mg/L = $\frac{D}{A} \times 1000 \times 1000$

WORKLIST(Hardcopy Internal Chain)

LB 134698

WorkList Name : TSS Q1364 WorkList ID : 187684 Department : Wet-Chemistry Date : 02-13-2025 07:45:49

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1348-01	F TWP-1-WC	Water	TSS	Cool 4 deg C	PSEG03	N51	02/10/2025	SM2540 D
Q1359-01	D EFFLUENT	Water	TSS	Cool 4 deg C	HOLL01	N41	02/12/2025	SM2540 D
Q1359-04	AERATION-1	Water	TSS	Cool 4 deg C	HOLL01	N41	02/12/2025	SM2540 D
Q1361-02	A COMP	Water	TSS	Cool 4 deg C	ARAM01	N51	02/12/2025	SM2540 D

Date/Time 02/13/25 07:55
Raw Sample Received by: AP Sm
Raw Sample Relinquished by: AP Sm

Date/Time 02-13-25 12:30
Raw Sample Received by: AP Sm
Raw Sample Relinquished by: AP Sm

Extraction and Analytical Summary Report

Analysis Method: 1664A
Test: Oil and Grease
Run Number: LB134701
Analysis Date: 02/13/2025
BalanceID: WC SC-6
OvenID: EXT OVEN-3

ANALYST: jignesh
REVIEWED BY: Iwona
Extraction Date: 02/13/2025
Extraction IN Time: 09:40
Extraction OUT Time: 10:15
Thermometer ID: EXT OVEN#3

Dish #	Lab ID	Client ID	Matrix	pH	Sample Vol (ml)	Final Volume (ml)	Empty Dish Weight (g)	Final Empty Dish Weight (g)	Silica Gel Weight (g)	Weight After Drying (g)	Final Weight After Drying (g)	Change Weight (g)	Result in ppm
1	LB134701BL	LB134701BL	WATER	1.3	1000	100	3.0025	3.0025	0	3.0025	3.0025	0.0000	0
2	LB134701BS	LB134701BS	WATER	1.3	1000	100	3.1744	3.1744	0	3.1910	3.1910	0.0166	16.6
3	Q1359-01	EFFLUENT	WATER	1.3	1000	100	3.0049	3.0049	0	3.0147	3.0147	0.0098	9.8
4	Q1359-02	Q1359-01MS	WATER	1.3	1000	100	3.1863	3.0049	0	3.2161	3.2161	0.0298	29.8
5	Q1359-03	Q1359-01MSD	WATER	1.3	1000	100	3.0589	3.0589	0	3.0891	3.0891	0.0302	30.2

QC Batch# LB134701

Test: Oil and Grease

Analysis Date: 02/13/2025

Chemicals Used:

Chemical Name	Chemical Lot #
HEXANE	W3177
pH Paper 0-14	M6069
Sodium Sulfate	EP2585
1:1 HCL	WP110826
Silica Gel	NA
Sand	NA

Standards Used:

Standard Name	Amount Used	Standard Lot #
LCSW	2.5 ML	WP100827
LCSWD	NA	NA
MS/MSD	2.5 ML	WP100828

BALANCE CALIBRATION / OVEN Dessicator Data

Analytical Balance ID # : WC SC-6

Before Analysis

0.0020 gram Balance: 0.0018 (0.0018-0.0022) In OVEN TEMP1 : 71 °C Dessicator Time In1 : 11:46

1.0000 gram Balance: 1.0004 (0.9950-1.0050) In Time1: 11:00

Bal Check Time: 10:00 Out OVEN TEMP1: 70 °C Dessicator Time Out1: 12:25

Out Time1: 11:45

After Analysis

0.0020 gram Balance: 0.0019 (0.0018-0.0022) In OVEN TEMP2 : 71 °C Dessicator Time In2 : 13:31

1.0000 gram Balance: 1.0005 (0.9950-1.0050) In Time2: 13:00

Bal Check Time: 14:05 Out OVEN TEMP2: 71 °C Dessicator Time Out2: 14:00

Out Time2: 13:30

WORKLIST(Hardcopy Internal Chain)

13134701

WorkList Name : oil & grease p1359

WorkList ID : 187691

Department : Wet-Chemistry

Date : 02-13-2025 09:11:11

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1359-01 E	EFFLUENT	Water	Oil and Grease	Conc H2SO4 to pH < 2	HOLL01	N41	02/12/2025	1664A
Q1359-02	Q1359-01MS	Water	Oil and Grease	Conc H2SO4 to pH < 2	HOLL01	N41	02/12/2025	1664A
Q1359-03	Q1359-01MSD	Water	Oil and Grease	Conc H2SO4 to pH < 2	HOLL01	N41	02/12/2025	1664A

Date/Time

02/13/25 091.30

Raw Sample Received by:

187691

Raw Sample Relinquished by:

187691

Date/Time

02-13-25

141.30

Raw Sample Received by:

187691

Raw Sample Relinquished by:

187691

BOD5 LOG

ANALYST: rubin
Inst Id :DO METER
LB :LB134708

Reviewed By:Iwona
On:2/18/2025 4:37:17
PM

SUPERVISOR: Iwona

QC BATCH ID: LB134708

Analysis Date: 02/13/2025

BOD Water: WP111909

MANGANOUS SULFATE SOLUTION: W3103

Starch: W3149

Alkaline Iodide Azide: W3109

Sulfuric acid, 1N: WP110386

Sodium Thiosulfate, 0.025N: W3105

POLYSEED: WP111911

NaOH, 1N: WP111323

GGA: WP111910

IncubatorID: INCUBATOR #3

Chlorine Strips: W3155

GuageID: 0511062

pH Strips: W3140

Zero DO: WP111875

Lab SampleID	Client ID	Bottle No.	VOL. ML	Initial Reading (ML)	Final Reading (ML)	Difference	Average
WINKLER 1	WINKLER 1	1	300	0.0	9.5	9.5	9.5
WINKLER 2	WINKLER 2	2	300	9.7	19.2	9.5	9.5

Meter Calibration1: 9.48

Zero DO Reading1: 0.12 mg/L (<=0.2 Criteria)

Barometric Pressure1: 755 mmHg DO Meter BOD fluid reading for winkler comparison: 9.59

After Incubation

Meter Calibration2: 9.37

Zero DO Reading2: 0.12 mg/L (<=0.2 Criteria)

Barometric Pressure2: 765 mmHg



QC BATCH ID: LB134708

INCUBATOR TEMP IN(C): 20.0

INCUBATOR TEMP OUT(C): 19.7

TIME IN: 16:20

TIME OUT: 12:00

DATE IN: 02/13/2025

DATE OUT: 02/18/2025

Lab SampleID	Bottle No.	Check CL	Initial PH	Final PH	Temp °C	Sam Vol. (mL)	D.O.1 Initial	D.O.2 Final	Depletion	BOD Result (mg/L)	Avg Result (mg/L)	Comment
LB134708BL	1	No	6.58	N/A	20.80	300	9.58	9.56	0.02	0.02	0.02	
POLYSEED	1					10	9.54	6.29	3.25	0.65	0.63	
POLYSEED	2					15	9.51	4.79	4.72	0.63		
POLYSEED	3					20	9.48	3.29	6.19	0.62		
GGA	1					6	9.54	5.05	4.49	193	198.5	
GGA	2					6	9.51	4.70	4.81	209		
GGA	3					6	9.51	5.01	4.5	193.5		
Q1359-01	1	No	7.73	7.38	20.40	0.01	9.52	5.31	4.21	107400	107400	pH Adjusted
Q1359-01	2					0.05	9.44	0.12	-	0		
Q1359-01	3					0.1	9.42	0.09	-	0		
Q1359-01	4					0.5	9.41	0.07	-	0		
Q1359-01	5					1	9.37	0.05	-	0		
Q1359-05	1	No	6.11	6.91	20.30	0.01	9.49	8.10	-	0	16755	pH Adjusted
Q1359-05	2					0.05	9.43	5.86	3.57	17640		
Q1359-05	3					0.1	9.35	3.43	5.92	15870		
Q1359-05	4					0.5	9.05	0.10	-	0		
Q1359-05	5					1	8.28	0.06	-	0		
Q1361-02	1	No	6.50	N/A	20.20	0.5	9.52	7.11	2.41	1068	982.5	
Q1361-02	2					1	9.38	5.70	3.68	915		
Q1361-02	3					2	9.30	2.24	7.06	964.5		
Q1361-02	4					3	9.15	0.11	-	0		
Q1361-02DUP	1	No	6.50	N/A	20.20	0.5	9.52	6.97	2.55	1152	998.5	
Q1361-02DUP	2					1	9.36	5.85	3.51	864		
Q1361-02DUP	3					2	9.31	2.15	7.16	979.5		
Q1361-02DUP	4					3	9.15	0.10	-	0		

NOTE: 2ml POLYSEED added to GGA and all the Samples, but not in Blank.

NOTE (For, CBOD5): 0.16 g Nitrification Inhibitor added to GGA and all the Samples, but not in Blank.

LB134721

Test results

Aquakem 7.2AQ1

Page:

CHEMTECH CONSULTING GROUP INC
284 Sheffield Street, Mountainside, NJ 07092

2/14/2025 14:24

Reviewed by : RN

Instrument ID : Konelab

Test: Ammonia-N

Sample Id	Result	Dil. 1 +	Response	Errors
ICV1	1.025	0.0	0.150	
ICB1	-0.018	0.0	0.020	
CCV1	0.932	0.0	0.138	
CCB1	-0.029	0.0	0.018	
RL CHECK	0.069	0.0	0.030	
PB166730BL	-0.031	0.0	0.018	
PB166730BS	0.964	0.0	0.142	
Q1365-01	0.089	0.0	0.033	
Q1365-01DUP	0.093	0.0	0.033	
Q1365-01MS	1.236	0.0	0.176	
Q1365-01MSD	1.192	0.0	0.171	
Q1365-02	-0.020	0.0	0.019	
Q1365-03	-0.016	0.0	0.020	
Q1365-04	-0.018	0.0	0.019	
CCV2	1.005	0.0	0.147	
CCB2	-0.022	0.0	0.019	
Q1365-05	-0.024	0.0	0.019	
Q1365-06	0.007	0.0	0.023	
Q1365-07	-0.002	0.0	0.021	
Q1365-08	0.030	0.0	0.025	
PB166729BL	-0.022	0.0	0.019	
PB166729BS	1.049	0.0	0.153	
Q1359-01	13.018	0.0	1.649	Test limit high
Q1359-05	16.957	0.0	2.142	Test limit high
Q1359-05DUP	17.087	0.0	2.158	Test limit high
Q1359-05MS	17.365	0.0	2.193	Test limit high
CCV3	0.996	0.0	0.146	
CCB3	0.001	0.0	0.022	
Q1359-05MSD	16.978	0.0	2.145	Test limit high
CCV4	0.989	0.0	0.145	
CCB4	-0.019	0.0	0.019	
Q1359-01DLX10	1.159	0.0	0.167	
Q1359-05DLX10	1.687	0.0	0.233	
CCV5	0.987	0.0	0.145	
CCB5	-0.025	0.0	0.019	
N	35			
Mean	2.705			
SD	5.6823			
CV%	210.08			

69% (50-150)

02/14/2025

RN

Aquakem v. 7.2AQ1

Results from time period:

Fri Feb 14 11:50:22 2025

Fri Feb 14 14:23:48 2025

Sample Id	Sam/Ctr/c	Test short r	Test type	Result	Result unit	Result date and time	Stat
0.0PPM	A	Ammonia-1	P	-0.0263	mg/l	2/14/2025 11:5022	
0.1PPM	A	Ammonia-1	P	0.1179	mg/l	2/14/2025 11:5023	
0.2PPM	A	Ammonia-1	P	0.2139	mg/l	2/14/2025 11:5024	
0.4PPM	A	Ammonia-1	P	0.3755	mg/l	2/14/2025 11:5025	
1.0PPM	A	Ammonia-1	P	1.0293	mg/l	2/14/2025 11:5026	
1.3PPM	A	Ammonia-1	P	1.3383	mg/l	2/14/2025 11:5027	
2.0PPM	A	Ammonia-1	P	1.9846	mg/l	2/14/2025 11:5028	
ICV1	S	Ammonia-1	P	1.0248	mg/l	2/14/2025 13:2051	
ICB1	S	Ammonia-1	P	-0.0177	mg/l	2/14/2025 13:2053	
CCV1	S	Ammonia-1	P	0.9318	mg/l	2/14/2025 13:2054	
CCB1	S	Ammonia-1	P	-0.0294	mg/l	2/14/2025 13:2056	
RL CHECK	S	Ammonia-1	P	0.0691	mg/l	2/14/2025 13:2059	
PB166730BL	S	Ammonia-1	P	-0.0314	mg/l	2/14/2025 13:2101	
PB166730BS	S	Ammonia-1	P	0.9645	mg/l	2/14/2025 13:3134	
Q1365-01	S	Ammonia-1	P	0.089	mg/l	2/14/2025 13:3136	
Q1365-01DUP	S	Ammonia-1	P	0.0926	mg/l	2/14/2025 13:3138	
Q1365-01MS	S	Ammonia-1	P	1.2361	mg/l	2/14/2025 13:3140	
Q1365-01MSD	S	Ammonia-1	P	1.192	mg/l	2/14/2025 13:3141	
Q1365-02	S	Ammonia-1	P	-0.0196	mg/l	2/14/2025 13:3142	
Q1365-03	S	Ammonia-1	P	-0.0162	mg/l	2/14/2025 13:3143	
Q1365-04	S	Ammonia-1	P	-0.0181	mg/l	2/14/2025 13:3144	
CCV2	S	Ammonia-1	P	1.0046	mg/l	2/14/2025 13:3145	
CCB2	S	Ammonia-1	P	-0.0222	mg/l	2/14/2025 13:4219	
Q1365-05	S	Ammonia-1	P	-0.0237	mg/l	2/14/2025 13:4221	
Q1365-06	S	Ammonia-1	P	0.0067	mg/l	2/14/2025 13:4222	
Q1365-07	S	Ammonia-1	P	-0.0019	mg/l	2/14/2025 13:4223	
Q1365-08	S	Ammonia-1	P	0.0297	mg/l	2/14/2025 13:4224	
PB166729BL	S	Ammonia-1	P	-0.0217	mg/l	2/14/2025 13:4225	
PB166729BS	S	Ammonia-1	P	1.0492	mg/l	2/14/2025 13:4227	
Q1359-01	S	Ammonia-1	P	13.0175	mg/l	2/14/2025 13:4229	
Q1359-05	S	Ammonia-1	P	16.9574	mg/l	2/14/2025 13:5300	
Q1359-05DUP	S	Ammonia-1	P	17.0873	mg/l	2/14/2025 13:5303	
Q1359-05MS	S	Ammonia-1	P	17.3654	mg/l	2/14/2025 13:5304	
CCV3	S	Ammonia-1	P	0.9957	mg/l	2/14/2025 13:5306	
CCB3	S	Ammonia-1	P	0.0009	mg/l	2/14/2025 13:5307	
Q1359-05MSD	S	Ammonia-1	P	16.9777	mg/l	2/14/2025 13:5309	
CCV4	S	Ammonia-1	P	0.9887	mg/l	2/14/2025 13:5310	
CCB4	S	Ammonia-1	P	-0.0192	mg/l	2/14/2025 13:5754	
Q1359-01DLX10	S	Ammonia-1	P	1.1593	mg/l	2/14/2025 14:2342	

Q1359-05DLX10 S	Ammonia-† P	1.6868 mg/l	2/14/2025 14:2344
CCV5 S	Ammonia-† P	0.9874 mg/l	2/14/2025 14:2345
CCB5 S	Ammonia-† P	-0.0251 mg/l	2/14/2025 14:2347

Calibration results

Aquakem 7.2AQ1

Page: 1

CHEMTECH CONSULTING GROUP INC
284 Sheffield Street, Mountainside, NJ 07092

2/14/2025 12:18

Reviewed by : RM

Instrument ID : Konelab

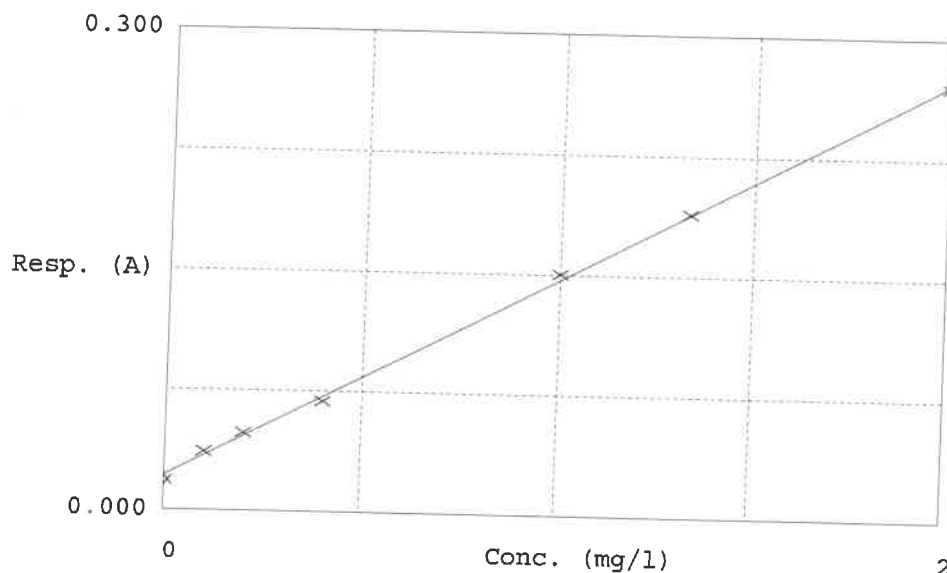
Test Ammonia-N

Accepted 2/14/2025 12:17

Factor 7.997
Bias 0.022

Coeff. of det. 0.999130

Errors



	Calibrator	Response	Calc. con.	Conc.	Errors
1	0.00PPM	0.018	-0.0263	0.0000	-
2	NH3-2PPM	0.036	0.1179	0.1000	17.9
3	NH3-2PPM	0.048	0.2139	0.2000	7.0
4	NH3-2PPM	0.069	0.3755	0.4000	-6.1
5	NH3-2PPM	0.150	1.0293	1.0000	2.9
6	NH3-2PPM	0.189	1.3383	1.3333	2.9
7	NH3-2PPM	0.270	1.9846	2.0000	-0.8

02/14/2025
RM

SOP ID : M365.3 & SM4500-P E-18

SDG No : N/A

Start Digest Date: 02/12/2025 Time : 13:30 Temp : 95 °C

Matrix : WATER

End Digest Date: 02/12/2025 Time : 14:45 Temp : 96 °C

Pipette ID : WC

Balance ID : N/A

Hood ID : HOOD#3

Digestion tube ID : M5595

Block Thermometer ID : WC-BLOCK#1

Block ID : WC S-1, WC S-2

Filter paper ID : 400213

Prep Technician Signature: NF

Weigh By : N/A

pH Meter ID : N/A

Supervisor Signature: 12

Standard Name	MLS USED	STD REF. # FROM LOG
LCSW	0.5ML	WP110401
MS/MSD SPIKE SOL.	0.5ML	WP110400
PBW	50ML	W3112
N/A	N/A	N/A
N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
11N H2SO4	1ML	WP109922
AMMONIUM PERSULFATE	0.4g	W3035
pH Paper 0-14	N/A	W3140
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

LAB SAMPLE ID	CLIENT SAMPLE ID	Wt(g)/Vol(ml)	Comment
CAL1	CAL1	50.0ML	WP111898
CAL2	CAL2	50.0ML	WP111899
CAL3	CAL3	50.0ML	WP111900
CAL4	CAL4	50.0ML	WP111901
CAL5	CAL5	50.0ML	WP111902
CAL6	CAL6	50.0ML	WP111903
ICV	ICV	50.0ML	WP111905
ICB	ICB	50.0ML	W3112
CCV	CCV	50.0ML	WP111904
CCB	CCB	50.0ML	W3112

Extraction Conformance/Non-Conformance Comments:

N/A

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
	Preparation Group	Analysis Group

62-12-2025

Lab Sample ID	Client Sample ID	Initial Vol (ml)	Final Vol (ml)	pH	Sulfide	Oxidizing	Nitrate/ Nitrite	Comment	Prep Pos
PB166707BL	PBW707	50	50	<2	N/A	N/A	N/A	N/A	N/A
PB166707BS	LCS707	50	50	<2	N/A	N/A	N/A	N/A	N/A
Q1359-01DUP	EFFLUENTDUP	50	50	<2	N/A	N/A	N/A	N/A	N/A
Q1359-01MS	EFFLUENTMS	50	50	<2	N/A	N/A	N/A	N/A	N/A
Q1359-01MSD	EFFLUENTMSD	50	50	<2	N/A	N/A	N/A	N/A	N/A
Q1359-01	EFFLUENT	50	50	<2	N/A	N/A	N/A	N/A	N/A

SOP ID : MSM4500-NH3 B,G-Ammonia-17

SDG No : N/A

Matrix : WATER

Pipette ID : WC

Balance ID : N/A

Hood ID : HOOD#2

Block ID : WC-DIST-BLOCK-1

Weigh By : N/A

Start Digest Date: 02/14/2025 Time : 10:30 Temp : 150 °C

End Digest Date: 02/14/2025 Time : 11:30 Temp : 157 °C

10 beteb
02/14/2025 11:50 150 °C
02/14/2025 12:50 160 °C *RM*

Digestion tube ID : M5595

Block Thermometer ID : WC CYANIDE

Filter paper ID : N/A

Prep Technician Signature: *RM*

pH Meter ID : N/A

Supervisor Signature: *12*

Standard Name	MLS USED	STD REF. # FROM LOG
LCSW	1.0ML	WP111420
MS/MSD SPIKE SOL.	1.0ML	WP111419
PBW	50.0ML	W3112
RL CHECK	N/A	AP PER PB166730
N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
BORATE BUFFER	2.5ML	WP111325
NAOH 6N	0.5-2.0ML	WP111318
H2SO4 0.04N	5.0ML	WP110335
pH strip-Ammonia	N/A	W3133
KI-starch paper	N/A	W3155
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

ALL GLASSWEAR ARE STEAMED OUT AND THERE WERE NO TRACE OF AMMONIA USING NESLER REAGENT
WP111604, Due to bad matrix and client history 1ML was taken as an initial volume for Q1359-01 and Q1359-05.

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
02/14/2025 13:00	<i>RM</i> <i>624</i>	<i>RM</i> <i>624</i>
	Preparation Group	Analysis Group

Lab Sample ID	Client Sample ID	Initial Vol (ml)	Final Vol (ml)	pH	Sulfide	Oxidizing	Nitrate/ Nitrite	Comment	Prep Pos
PB166729BL	PBW729	50	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
PB166729BS	LCS729	50	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
Q1359-01	EFFLUENT	1	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
Q1359-05	INFLUENT	1	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
Q1359-05DUP	INFLUENTDUP	1	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
Q1359-05MS	INFLUENTMS	1	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
Q1359-05MSD	INFLUENTMSD	1	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A

SOP ID : MSM4500-NH3 B,G-Ammonia-17

SDG No : N/A

Matrix : SOIL

Pipette ID : WC

Balance ID : WC SC-7

Hood ID : HOOD#2

Block ID : WC-DIST-BLOCK-1

Weigh By : RM

Start Digest Date: 02/14/2025 Time : 09:00 Temp : 150 °C

End Digest Date: 02/14/2025 Time : 10:00 Temp : 160 °C

11:30 150°C
6 2/14/2025 11:30 157°C RM

Digestion tube ID : M5595

Block Thermometer ID : WC CYANIDE

Filter paper ID : N/A

Prep Technician Signature: RM

pH Meter ID : N/A

Supervisor Signature: 12

Standardized Name	MLS USED	STD REF. # FROM LOG
LCSS	1.0ML	WP111420
MS/MSD SPIKE SOL.	1.0ML	WP111419
PBW	50.0ML	W3112
RL CHECK	0.1ML	WP111419
N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
BORATE BUFFER	2.5ML	WP108708
NAOH 6N	0.5-2.0ML	WP108660
H2SO4 0.04N	5.0ML	WP110335
pH Paper 0-14	N/A	W3140
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

ALL GLASSWEAR ARE STEAMED OUT AND THERE WERE NO TRACE OF AMMONIA USING NESLER REAGENT
WP111604,

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
02/14/2025 11:40	RM LWC	RM LWC
	Preparation Group	Analysis Group

Lab Sample ID	Client Sample ID	Initial Weight (g)	Final Vol (ml)	pH	Sulfide	Oxidizing	Nitrate/ Nitrite	Comment	Prep Pos
PB166730BL	PBS730	1.00	50	<2	N/A	N/A	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
PB166730BS	LCS730	1.00	50	<2	N/A	N/A	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
Q1365-01DUP	366DUP	1.03	50	<2	N/A	N/A	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
Q1365-01MS	366MS	1.02	50	<2	N/A	N/A	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
Q1365-01MSD	366MSD	1.03	50	<2	N/A	N/A	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
Q1365-01	366	1.02	50	<2	N/A	N/A	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
Q1365-02	VNJ-214	1.02	50	<2	N/A	N/A	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
Q1365-03	72-11995	1.04	50	<2	N/A	N/A	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
Q1365-04	VNJ-213	1.01	50	<2	N/A	N/A	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
Q1365-05	286	1.04	50	<2	N/A	N/A	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
Q1365-06	348	10.2	50	<2	N/A	N/A	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
Q1365-07	RBR22266	1.02	50	<2	N/A	N/A	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
Q1365-08	357	1.02	50	<2	N/A	N/A	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A

Instrument ID: SPECTROPHOTOMETER-1

Daily Analysis Runlog For Sequence/QC Batch ID # LB134693

Review By	Niha	Review On	2/13/2025 12:33:27 PM
Supervise By	jignesh	Supervise On	2/13/2025 12:55:51 PM
SubDirectory	LB134693	Test	Phosphorus-Ortho
STD. NAME	STD REF.#		
ICAL Standard	N/A		
ICV Standard	N/A		
CCV Standard	N/A		
ICSA Standard	N/A		
CRI Standard	N/A		
LCS Standard	N/A		
Chk Standard	WP111903,WP111902,WP111901,WP111900,WP111899,WP111898,WP111904,WP110380,WP111907,WP111415,WI		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	CAL1	CAL1	CAL	02/12/25 16:45		Niha	OK
2	CAL2	CAL2	CAL	02/12/25 16:45		Niha	OK
3	CAL3	CAL3	CAL	02/12/25 16:46		Niha	OK
4	CAL4	CAL4	CAL	02/12/25 16:46		Niha	OK
5	CAL5	CAL5	CAL	02/12/25 16:47		Niha	OK
6	CAL6	CAL6	CAL	02/12/25 16:47		Niha	OK
7	ICV	ICV	ICV	02/12/25 16:48		Niha	OK
8	ICB	ICB	ICB	02/12/25 16:48		Niha	OK
9	CCV1	CCV1	CCV	02/12/25 16:49		Niha	OK
10	CCB1	CCB1	CCB	02/12/25 16:49		Niha	OK
11	RL Check	RL Check	SAM	02/12/25 16:50		Niha	OK
12	LB134693BL	LB134693BL	MB	02/12/25 16:50		Niha	OK
13	LB134693BS	LB134693BS	LCS	02/12/25 16:51		Niha	OK
14	Q1359-01	EFFLUENT	SAM	02/12/25 16:51		Niha	OK
15	Q1359-01DUP	EFFLUENTDUP	DUP	02/12/25 16:52		Niha	OK
16	Q1359-01MS	EFFLUENTMS	MS	02/12/25 16:52		Niha	OK
17	Q1359-01MSD	EFFLUENTMSD	MSD	02/12/25 16:53		Niha	OK
18	CCV2	CCV2	CCV	02/12/25 16:53		Niha	OK

Instrument ID: SPECTROPHOTOMETER-1

Daily Analysis Runlog For Sequence/QC Batch ID # LB134693

Review By	Niha	Review On	2/13/2025 12:33:27 PM
Supervise By	jignesh	Supervise On	2/13/2025 12:55:51 PM
SubDirectory	LB134693	Test	Phosphorus-Ortho
STD. NAME	STD REF.#		
ICAL Standard	N/A		
ICV Standard	N/A		
CCV Standard	N/A		
ICSA Standard	N/A		
CRI Standard	N/A		
LCS Standard	N/A		
Chk Standard	WP111903,WP111902,WP111901,WP111900,WP111899,WP111898,WP111904,WP110380,WP111907,WP111415,WI		

19	CCB2	CCB2	CCB	02/12/25 16:54		Niha	OK
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Instrument ID: SPECTROPHOTOMETER-1

Daily Analysis Runlog For Sequence/QC Batch ID # LB134695

Review By	Niha	Review On	2/13/2025 12:51:36 PM
Supervise By	jignesh	Supervise On	2/13/2025 12:55:23 PM
SubDirectory	LB134695	Test	Phosphorus-Total
STD. NAME	STD REF.#		
ICAL Standard	N/A		
ICV Standard	N/A		
CCV Standard	N/A		
ICSA Standard	N/A		
CRI Standard	N/A		
LCS Standard	N/A		
Chk Standard	WP111903,WP111902,WP111901,WP111900,WP111899,WP111898,WP111904,WP111907,WP111415,WP111323,Wf		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	CAL1	CAL1	CAL	02/12/25 15:15		Niha	OK
2	CAL2	CAL2	CAL	02/12/25 15:15		Niha	OK
3	CAL3	CAL3	CAL	02/12/25 15:16		Niha	OK
4	CAL4	CAL4	CAL	02/12/25 15:16		Niha	OK
5	CAL5	CAL5	CAL	02/12/25 15:17		Niha	OK
6	CAL6	CAL6	CAL	02/12/25 15:17		Niha	OK
7	ICV	ICV	ICV	02/12/25 15:18		Niha	OK
8	ICB	ICB	ICB	02/12/25 15:18		Niha	OK
9	CCV1	CCV1	CCV	02/12/25 15:19		Niha	OK
10	CCB1	CCB1	CCB	02/12/25 15:19		Niha	OK
11	RL Check	RL Check	SAM	02/12/25 15:20		Niha	OK
12	PB166707BL	PB166707BL	MB	02/12/25 15:20		Niha	OK
13	PB166707BS	PB166707BS	LCS	02/12/25 15:21		Niha	OK
14	Q1359-01	EFFLUENT	SAM	02/12/25 15:21		Niha	OK
15	Q1359-01DUP	EFFLUENTDUP	DUP	02/12/25 15:22		Niha	OK
16	Q1359-01MS	EFFLUENTMS	MS	02/12/25 15:22		Niha	OK
17	Q1359-01MSD	EFFLUENTMSD	MSD	02/12/25 15:23		Niha	OK
18	CCV2	CCV2	CCV	02/12/25 15:23		Niha	OK

Instrument ID: SPECTROPHOTOMETER-1

Daily Analysis Runlog For Sequence/QC Batch ID # LB134695

Review By	Niha	Review On	2/13/2025 12:51:36 PM
Supervise By	jignesh	Supervise On	2/13/2025 12:55:23 PM
SubDirectory	LB134695	Test	Phosphorus-Total
STD. NAME	STD REF.#		
ICAL Standard	N/A		
ICV Standard	N/A		
CCV Standard	N/A		
ICSA Standard	N/A		
CRI Standard	N/A		
LCS Standard	N/A		
Chk Standard	WP111903,WP111902,WP111901,WP111900,WP111899,WP111898,WP111904,WP111907,WP111415,WP111323,WI		

19	CCB2	CCB2	CCB	02/12/25 15:24		Niha	OK
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Instrument ID: WC SC-3

Daily Analysis Runlog For Sequence/QC Batch ID # LB134698

Review By	jignesh	Review On	2/13/2025 12:05:14 PM
Supervise By	Iwona	Supervise On	2/13/2025 12:10:06 PM
SubDirectory	LB134698	Test	TSS
STD. NAME	STD REF.#		
ICAL Standard	N/A		
ICV Standard	N/A		
CCV Standard	N/A		
ICSA Standard	N/A		
CRI Standard	N/A		
LCS Standard	N/A		
Chk Standard	N/A		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	LB134698BL	LB134698BL	MB	02/13/25 09:30		jignesh	OK
2	LB134698BS	LB134698BS	LCS	02/13/25 09:30		jignesh	OK
3	Q1348-01	TWP-1-WC	SAM	02/13/25 09:30		jignesh	OK
4	Q1359-01	EFFLUENT	SAM	02/13/25 09:30		jignesh	OK
5	Q1359-04	AERATION 1	SAM	02/13/25 09:30		jignesh	OK
6	Q1361-02	COMP	SAM	02/13/25 09:30		jignesh	OK
7	Q1361-02DUP	COMPDUP	DUP	02/13/25 09:30		jignesh	OK

Instrument ID: WC SC-3

Daily Analysis Runlog For Sequence/QC Batch ID # LB134701

Review By	jignesh	Review On	2/13/2025 9:26:36 AM
Supervise By	Iwona	Supervise On	2/13/2025 12:09:11 PM
SubDirectory	LB134701	Test	Oil and Grease
STD. NAME	STD REF.#		
ICAL Standard	N/A		
ICV Standard	N/A		
CCV Standard	N/A		
ICSA Standard	N/A		
CRI Standard	N/A		
LCS Standard	N/A		
Chk Standard	W3177,M6069,EP2585,WP110826,NA,NA,WP100827,NA,WP100828		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	LB134701BL	LB134701BL	MB	02/13/25 11:00		jignesh	OK
2	LB134701BS	LB134701BS	LCS	02/13/25 11:00		jignesh	OK
3	Q1359-01	EFFLUENT	SAM	02/13/25 11:00		jignesh	OK
4	Q1359-02	Q1359-01MS	MS	02/13/25 11:00		jignesh	OK
5	Q1359-03	Q1359-01MSD	MSD	02/13/25 11:00		jignesh	OK

Instrument ID: DO METER

Daily Analysis Runlog For Sequence/QC Batch ID # LB134708

Review By	rubina	Review On	2/18/2025 4:35:47 PM
Supervise By	Iwona	Supervise On	2/18/2025 4:37:17 PM
SubDirectory	LB134708	Test	BOD5
STD. NAME	STD REF.#		
ICAL Standard	N/A		
ICV Standard	N/A		
CCV Standard	N/A		
ICSA Standard	N/A		
CRI Standard	N/A		
LCS Standard	N/A		
Chk Standard	WP111909,W3149,W3110386,W3103,W3109,W3105,W3111911,W3111910,W3111323		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	LB134708BL	LB134708BL	MB	02/13/25 16:20		rubina	OK
2	LB134708BS	LB134708BS	LCS	02/13/25 16:20		rubina	OK
3	Q1359-01	EFFLUENT	SAM	02/13/25 16:20		rubina	OK
4	Q1359-05	INFLUENT	SAM	02/13/25 16:20		rubina	OK
5	Q1361-02	COMP	SAM	02/13/25 16:20		rubina	OK
6	Q1361-02DUP	COMPDUP	DUP	02/13/25 16:20		rubina	OK

Instrument ID: KONELAB

Daily Analysis Runlog For Sequence/QC Batch ID # LB134721

Review By	rubina	Review On	2/17/2025 8:06:14 AM
Supervise By	Iwona	Supervise On	2/18/2025 9:57:40 AM
SubDirectory	LB134721	Test	Ammonia
STD. NAME	STD REF.#		
ICAL Standard	WP111943		
ICV Standard	WP111945		
CCV Standard	WP111944		
ICSA Standard	N/A		
CRI Standard	N/A		
LCS Standard	WP111420		
Chk Standard	WP110416,WP111745,WP111385,WP111660		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	0.0PPM	0.0PPM	CAL1	02/14/25 11:50		rubina	OK
2	0.1PPM	0.1PPM	CAL2	02/14/25 11:50		rubina	OK
3	0.2PPM	0.2PPM	CAL3	02/14/25 11:50		rubina	OK
4	0.4PPM	0.4PPM	CAL4	02/14/25 11:50		rubina	OK
5	1.0PPM	1.0PPM	CAL5	02/14/25 11:50		rubina	OK
6	1.3PPM	1.3PPM	CAL6	02/14/25 11:50		rubina	OK
7	2.0PPM	2.0PPM	CAL7	02/14/25 11:50		rubina	OK
8	ICV1	ICV1	ICV	02/14/25 13:20		rubina	OK
9	ICB1	ICB1	ICB	02/14/25 13:20		rubina	OK
10	CCV1	CCV1	CCV	02/14/25 13:20		rubina	OK
11	CCB1	CCB1	CCB	02/14/25 13:20		rubina	OK
12	RL	RL	SAM	02/14/25 13:20		rubina	OK
13	PB166730BL	PB166730BL	MB	02/14/25 13:21		rubina	OK
14	PB166730BS	PB166730BS	LCS	02/14/25 13:31		rubina	OK
15	Q1365-01	366	SAM	02/14/25 13:31		rubina	OK
16	Q1365-01DUP	366DUP	DUP	02/14/25 13:31		rubina	OK
17	Q1365-01MS	366MS	MS	02/14/25 13:31		rubina	OK
18	Q1365-01MSD	366MSD	MSD	02/14/25 13:31		rubina	OK

Instrument ID: KONELAB

Daily Analysis Runlog For Sequence/QC Batch ID # LB134721

Review By	rubina	Review On	2/17/2025 8:06:14 AM
Supervise By	Iwona	Supervise On	2/18/2025 9:57:40 AM
SubDirectory	LB134721	Test	Ammonia
STD. NAME	STD REF.#		
ICAL Standard	WP111943		
ICV Standard	WP111945		
CCV Standard	WP111944		
ICSA Standard	N/A		
CRI Standard	N/A		
LCS Standard	WP111420		
Chk Standard	WP110416,WP111745,WP111385,WP111660		

19	Q1365-02	VNJ-214	SAM	02/14/25 13:31		rubina	OK
20	Q1365-03	72-11995	SAM	02/14/25 13:31		rubina	OK
21	Q1365-04	VNJ-213	SAM	02/14/25 13:31		rubina	OK
22	CCV2	CCV2	CCV	02/14/25 13:31		rubina	OK
23	CCB2	CCB2	CCB	02/14/25 13:42		rubina	OK
24	Q1365-05	286	SAM	02/14/25 13:42		rubina	OK
25	Q1365-06	348	SAM	02/14/25 13:42		rubina	OK
26	Q1365-07	RBR22266	SAM	02/14/25 13:42		rubina	OK
27	Q1365-08	357	SAM	02/14/25 13:42		rubina	OK
28	PB166729BL	PB166729BL	MB	02/14/25 13:42		rubina	OK
29	PB166729BS	PB166729BS	LCS	02/14/25 13:42		rubina	OK
30	Q1359-01	EFFLUENT	SAM	02/14/25 13:42	High	rubina	Dilution
31	Q1359-05	INFLUENT	SAM	02/14/25 13:53	High	rubina	Dilution
32	Q1359-05DUP	INFLUENTDUP	DUP	02/14/25 13:53		rubina	OK
33	Q1359-05MS	INFLUENTMS	MS	02/14/25 13:53		rubina	OK
34	CCV3	CCV3	CCV	02/14/25 13:53		rubina	OK
35	CCB3	CCB3	CCB	02/14/25 13:53		rubina	OK
36	Q1359-05MSD	INFLUENTMSD	MSD	02/14/25 13:53		rubina	OK
37	CCV4	CCV4	CCV	02/14/25 13:53		rubina	OK
38	CCB4	CCB4	CCB	02/14/25 13:57		rubina	OK

Instrument ID: KONELAB

Daily Analysis Runlog For Sequence/QC Batch ID # LB134721

Review By	rubina	Review On	2/17/2025 8:06:14 AM
Supervise By	Iwona	Supervise On	2/18/2025 9:57:40 AM
SubDirectory	LB134721	Test	Ammonia
STD. NAME	STD REF.#		
ICAL Standard	WP111943		
ICV Standard	WP111945		
CCV Standard	WP111944		
ICSA Standard	N/A		
CRI Standard	N/A		
LCS Standard	WP111420		
Chk Standard	WP110416,WP111745,WP111385,WP111660		

39	Q1359-01DL	EFFLUENTDL	SAM	02/14/25 14:23	Report 10X	rubina	Confirms
40	Q1359-05DL	INFLUENTDL	SAM	02/14/25 14:23	Report 10X	rubina	Confirms
41	CCV5	CCV5	CCV	02/14/25 14:23		rubina	OK
42	CCB5	CCB5	CCB	02/14/25 14:23		rubina	OK



SHIPPING DOCUMENTS

CHEMTECH

CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 • Fax (908) 789-8922
www.chemtech.net

CHEMTECH PROJECT NO.

QUOTE NO.

COC Number 2041679

Q1359

CLIENT INFORMATION

REPORT TO BE SENT TO:

COMPANY: HOLLAND MFG CO

ADDRESS: 15 MAIN ST

CITY SUCCASUNNA STATE NT ZIP: 07876

ATTENTION:

PHONE:

FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: HMC PRETREAT

PROJECT NO.: LOCATION:

PROJECT MANAGER: TODD HOLLAND

e-mail:

PHONE:

FAX:

CLIENT BILLING INFORMATION

BILL TO: SAME

PO#:

ADDRESS:

CITY

STATE:

ZIP:

ATTENTION:

PHONE:

ANALYSIS

DATA TURNAROUND INFORMATION

FAX (RUSH) _____ DAYS*

HARDCOPY (DATA PACKAGE): _____ DAYS*

EDD: _____ DAYS*

*TO BE APPROVED BY CHEMTECH

STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

☐ Level 1 (Results Only) ☐ Level 4 (QC + Full Raw Data)

☐ Level 2 (Results + QC) ☐ NJ Reduced ☐ US EPA CLP

☐ Level 3 (Results + QC) ☐ NYS ASP A ☐ NYS ASP B

+ Raw Data ☐ Other _____

☐ EDD FORMAT _____

BOD5 TSS OLG TO4 TOTAL P NH₄

PRESERVATIVES

COMMENTS

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES										← Specify Preservatives A-HCl D-NaOH B-HNO ₃ E-ICE C-H ₂ SO ₄ F-OTHER
			COMP	GRAB	DATE	TIME		Σ	Σ	C	C	C	C				
1.	EFFLUENT	W		✓	2/11	1100	6	X	X	X	X	X	X				
2.	AERATION 1	W		✓	2/12	1100	1		X								
3.	INFLUENT	W		✓	2/12	1100	3	X					X				
4.																	
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER: 1. <u>[Signature]</u>	DATE/TIME: <u>2/12/25</u>	RECEIVED BY: 1. <u>[Signature]</u>	DATE/TIME: <u>2/12/25</u>	Comments: <u>LAB TO FILTER</u>
RELINQUISHED BY SAMPLER: 2.	DATE/TIME:	RECEIVED BY: 2.	DATE/TIME:	
RELINQUISHED BY SAMPLER: 3.	DATE/TIME:	RECEIVED BY: 3.	DATE/TIME:	

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☒ COOLER TEMP 3.0°C °C

Page ____ of ____

CLIENT: ☐ Hand Delivered ☐ Other _____

CHEMTECH: ☐ Picked Up ☐ Field Sampling

Shipment Complete
☐ YES ☐ NO



284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488