

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:	Q3344	OrderDate:	10/14/2025 1:00:00 PM
Client:	Mars Chocolate North America, LLC	Project:	W.T.P. Final Effluent 2025
Contact:	Anthony Fosco	Location:	J22

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3344-01	1	WATER			10/14/25			10/14/25
	EFFLUENT-COMPOSIT				05:00			
	E		Ammonia	SM4500-NH3		10/15/25	10/15/25 17:51	
			BOD Soluble	SM5210 B			10/15/25 17:10	
			BOD5	SM5210 B			10/15/25 17:10	
			COD	SM5220 D			10/15/25 14:33	
			Apparent Color	SM2120 B			10/15/25 10:35	
			Phosphorus-Total	365.3		10/21/25	10/21/25 11:26	
			TDS	SM2540 C			10/15/25 12:30	
			TSS	SM2540 D			10/16/25 09:35	
Q3344-01DL	1	WATER			10/14/25			10/14/25
	EFFLUENT-COMPOSIT				05:00			
	EDL		Phosphorus-Total	365.3		10/21/25	10/21/25 11:28	
Q3344-02	2	WATER			10/14/25			10/14/25
	EFFLUENT-GRAB				05:00			
			Oil and Grease	1664A			10/15/25 09:45	
			TPH	1664A			10/16/25 09:35	



SAMPLE DATA

Report of Analysis

Client: Mars Chocolate North America, LLC
Project: W.T.P. Final Effluent 2025
Client Sample ID: 1 EFFLUENT-COMPOSITE
Lab Sample ID: Q3344-01

Date Collected: 10/14/25 05:00
Date Received: 10/14/25
SDG No.: Q3344
Matrix: WATER
% Solid: 0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Ammonia as N	55.1		1	1.50	5.00	mg/L	10/15/25 10:25	10/15/25 17:51	SM 4500-NH3 B plus G-21
BOD Soluble	58.0		1	0.20	2.00	mg/L		10/15/25 17:10	SM 5210 B-16
BOD5	62.9		1	0.20	2.00	mg/L		10/15/25 17:10	SM 5210 B-16
COD	133		1	1.50	10.0	mg/L		10/15/25 14:33	SM 5220 D-11
Apparent Color	800	D	20	100	100	cu		10/15/25 10:35	SM 2120 B-21
Phosphorus, Total	2.55	OR	1	0.0050	0.050	mg/L	10/21/25 09:10	10/21/25 11:26	365.3
TDS	4200		1	1.00	10.0	mg/L		10/15/25 12:30	SM 2540 C-20
TSS	56.9		1	1.00	4.00	mg/L		10/16/25 09:35	SM 2540 D-20

Comments: Apparent color result reported at pH 7.98

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: Mars Chocolate North America, LLC
Project: W.T.P. Final Effluent 2025
Client Sample ID: 1 EFFLUENT-COMPOSITEDL
Lab Sample ID: Q3344-01DL

Date Collected: 10/14/25 05:00
Date Received: 10/14/25
SDG No.: Q3344
Matrix: WATER
% Solid: 0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Phosphorus, Total	3.52	D	5	0.023	0.25	mg/L	10/21/25 09:10	10/21/25 11:28	365.3

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: Mars Chocolate North America, LLC
Project: W.T.P. Final Effluent 2025
Client Sample ID: 2 EFFLUENT-GRAB
Lab Sample ID: Q3344-02

Date Collected: 10/14/25 05:00
Date Received: 10/14/25
SDG No.: Q3344
Matrix: WATER
% Solid: 0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Oil and Grease	0.40	J	1	0.29	5.00	mg/L		10/15/25 09:45	1664A
TPH	0.29	U	1	0.29	5.00	mg/L		10/16/25 09:35	1664A

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



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

Initial and Continuing Calibration Verification

Client: Mars Chocolate North America, LLC

SDG No.: Q3344

Project: W.T.P. Final Effluent 2025

RunNo.: LB137539

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV1 Ammonia as N	mg/L	1	1	100	90-110	10/15/2025
Sample ID: CCV1 Ammonia as N	mg/L	0.99	1	99	90-110	10/15/2025
Sample ID: CCV2 Ammonia as N	mg/L	1	1	100	90-110	10/15/2025
Sample ID: CCV3 Ammonia as N	mg/L	1	1	100	90-110	10/15/2025

Initial and Continuing Calibration Verification

Client: Mars Chocolate North America, LLC

SDG No.: Q3344

Project: W.T.P. Final Effluent 2025

RunNo.: LB137541

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	48.150	50	96	95-105	10/15/2025
Sample ID: CCV2 COD	mg/L	51.184	50	102	95-105	10/15/2025

Initial and Continuing Calibration Verification

Client: Mars Chocolate North America, LLC

SDG No.: Q3344

Project: W.T.P. Final Effluent 2025

RunNo.: LB137597

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV Phosphorus, Total	mg/L	0.507	0.50	101	90-110	10/21/2025
Sample ID: CCV1 Phosphorus, Total	mg/L	0.502	0.50	100	90-110	10/21/2025
Sample ID: CCV2 Phosphorus, Total	mg/L	0.501	0.50	100	90-110	10/21/2025
Sample ID: CCV3 Phosphorus, Total	mg/L	0.505	0.50	101	90-110	10/21/2025

Initial and Continuing Calibration Blank Summary

Client: Mars Chocolate North America, LLC

SDG No.: Q3344

Project: W.T.P. Final Effluent 2025

RunNo.: LB137539

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	10/15/2025
Sample ID: CCB1 Ammonia as N	mg/L	< 0.0500	0.0500	U	0.030	0.1	10/15/2025
Sample ID: CCB2 Ammonia as N	mg/L	0.03	0.0500	J	0.030	0.1	10/15/2025
Sample ID: CCB3 Ammonia as N	mg/L	0.033	0.0500	J	0.030	0.1	10/15/2025

Initial and Continuing Calibration Blank Summary

Client: Mars Chocolate North America, LLC

SDG No.: Q3344

Project: W.T.P. Final Effluent 2025

RunNo.: LB137541

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	10/15/2025
Sample ID: CCB2 COD	mg/L	< 5.0000	5.0000	U	1.50	10	10/15/2025

Initial and Continuing Calibration Blank Summary

Client: Mars Chocolate North America, LLC

SDG No.: Q3344

Project: W.T.P. Final Effluent 2025

RunNo.: LB137597

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: ICB Phosphorus, Total	mg/L	0.006	0.0250	J	0.0045	0.05	10/21/2025
Sample ID: CCB1 Phosphorus, Total	mg/L	0.009	0.0250	J	0.0045	0.05	10/21/2025
Sample ID: CCB2 Phosphorus, Total	mg/L	0.008	0.0250	J	0.0045	0.05	10/21/2025
Sample ID: CCB3 Phosphorus, Total	mg/L	0.006	0.0250	J	0.0045	0.05	10/21/2025

Preparation Blank Summary

Client: Mars Chocolate North America, LLC

SDG No.: Q3344

Project: W.T.P. Final Effluent 2025

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: LB137535BL							
Apparent Color	cu	< 2.5000	2.5000	U	5.0	5.0	10/15/2025
Sample ID: LB137541BL							
COD	mg/L	< 5.0000	5.0000	U	1.5	10.0	10/15/2025
Sample ID: LB137545BL							
BOD Soluble	mg/L	< 1.0000	1.0000	U	0.20	2	10/15/2025
Sample ID: LB137546BL							
BOD5	mg/L	< 0.2000	0.2000	U	0.20	2.0	10/15/2025
Sample ID: LB137553BL							
TSS	mg/L	< 2.0000	2.0000	U	1	4	10/16/2025
Sample ID: LB137554BL							
TDS	mg/L	1	5.0000	J	1.0	10	10/15/2025
Sample ID: LB137556BL							
Oil and Grease	mg/L	< 2.5000	2.5000	U	0.29	5.0	10/15/2025
Sample ID: LB137557BL							
TPH	mg/L	< 2.5000	2.5000	U	0.29	5.0	10/16/2025
Sample ID: PB170111BL							
Ammonia as N	mg/L	0.03	0.0500	J	0.03	0.1	10/15/2025
Sample ID: PB170160BL							
Phosphorus, Total	mg/L	0.008	0.0250	J	0.005	0.05	10/21/2025

Matrix Spike Summary

Client:	Mars Chocolate North America, LLC	SDG No.:	Q3344
Project:	W.T.P. Final Effluent 2025	Sample ID:	Q3328-01
Client ID:	MH-10-10-25MS	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	196		176		20.0	1	101		10/15/2025

Matrix Spike Summary

Client:	Mars Chocolate North America, LLC	SDG No.:	Q3344
Project:	W.T.P. Final Effluent 2025	Sample ID:	Q3328-01
Client ID:	MH-10-10-25MSD	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	196		176		20.0	1	101		10/15/2025

Matrix Spike Summary

Client:	Mars Chocolate North America, LLC	SDG No.:	Q3344
Project:	W.T.P. Final Effluent 2025	Sample ID:	Q3344-01DL
Client ID:	1 EFFLUENT-COMPOSITES	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
Phosphorus, Total	mg/L	90-110	4.00	D	3.52	D	0.5	5	96		10/21/2025

Matrix Spike Summary

Client:	Mars Chocolate North America, LLC	SDG No.:	Q3344
Project:	W.T.P. Final Effluent 2025	Sample ID:	Q3344-01DL
Client ID:	1 EFFLUENT-COMPOSITEMSD	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
Phosphorus, Total	mg/L	90-110	3.98	D	3.52	D	0.5	5	92		10/21/2025

Matrix Spike Summary

Client:	Mars Chocolate North America, LLC	SDG No.:	Q3344
Project:	W.T.P. Final Effluent 2025	Sample ID:	Q3345-07
Client ID:	TANK-FARM-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
COD	mg/L	75-125	52.2		5.67	J	50.0	1	93		10/15/2025
Ammonia as N	mg/L	75-125	0.99		0.031	J	1	1	96		10/15/2025

Matrix Spike Summary

Client:	Mars Chocolate North America, LLC	SDG No.:	Q3344
Project:	W.T.P. Final Effluent 2025	Sample ID:	Q3345-07
Client ID:	TANK-FARM-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
COD	mg/L	75-125	53.2		5.67	J	50.0	1	95		10/15/2025
Ammonia as N	mg/L	75-125	1.00		0.031	J	1	1	97		10/15/2025

Duplicate Sample Summary

Client: Mars Chocolate North America, LLC	SDG No.: Q3344
Project: W.T.P. Final Effluent 2025	Sample ID: LB137557BS
Client ID: LB137557BSD	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
TPH	mg/L	+/-18	17.0		17.1		1	0.59		10/16/2025

Duplicate Sample Summary

Client:	Mars Chocolate North America, LLC	SDG No.:	Q3344
Project:	W.T.P. Final Effluent 2025	Sample ID:	Q3328-01
Client ID:	MH-10-10-25MSD	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	196		196		1	0.05		10/15/2025

Duplicate Sample Summary

Client:	Mars Chocolate North America, LLC	SDG No.:	Q3344
Project:	W.T.P. Final Effluent 2025	Sample ID:	Q3344-01
Client ID:	1 EFFLUENT-COMPOSITEDUP	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
BOD Soluble	mg/L	+/-20	58.0		57.0		1	1.83		10/15/2025
BOD5	mg/L	+/-20	62.9		61.0		1	3		10/15/2025
TSS	mg/L	+/-5	56.9		56.0		1	1.59		10/16/2025
TDS	mg/L	+/-5	4200		4240		1	0.78		10/15/2025

Duplicate Sample Summary

Client: Mars Chocolate North America, LLC	SDG No.: Q3344
Project: W.T.P. Final Effluent 2025	Sample ID: Q3344-01DL
Client ID: 1 EFFLUENT-COMPOSITEDUP	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
Apparent Color	cu	+/-20	800	D	800	D	20	0		10/15/2025
Phosphorus, Total	mg/L	+/-20	3.52	D	3.50	D	5	0.57		10/21/2025

Duplicate Sample Summary

Client: Mars Chocolate North America, LLC	SDG No.: Q3344
Project: W.T.P. Final Effluent 2025	Sample ID: Q3344-01DL
Client ID: 1 EFFLUENT-COMPOSITEMSD	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
Phosphorus, Total	mg/L	+/-20	4.00	D	3.98	D	5	0.5		10/21/2025

Duplicate Sample Summary

Client: Mars Chocolate North America, LLC	SDG No.: Q3344
Project: W.T.P. Final Effluent 2025	Sample ID: Q3345-07
Client ID: TANK-FARM-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	0.031	J	0.030	U	1	200	*	10/15/2025
COD	mg/L	+/-20	5.67	J	5.67	J	1	0		10/15/2025

Duplicate Sample Summary

Client: Mars Chocolate North America, LLC	SDG No.: Q3344
Project: W.T.P. Final Effluent 2025	Sample ID: Q3345-07
Client ID: TANK-FARM-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	0.99		1.00		1	1		10/15/2025
COD	mg/L	+/-20	52.2		53.2		1	1.9		10/15/2025

Laboratory Control Sample Summary

Client: Mars Chocolate North America, LLC

SDG No.: Q3344

Project: W.T.P. Final Effluent 2025

Run No.: LB137541

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LB137541BS							
COD	mg/L	50	51.2		102	1	90-110	10/15/2025

Laboratory Control Sample Summary

Client: Mars Chocolate North America, LLC

SDG No.: Q3344

Project: W.T.P. Final Effluent 2025

Run No.: LB137545

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LB137545BS							
BOD Soluble	mg/L	198	176		89	1	84.6-115.4	10/15/2025

Laboratory Control Sample Summary

Client: Mars Chocolate North America, LLC

SDG No.: Q3344

Project: W.T.P. Final Effluent 2025

Run No.: LB137546

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LB137546BS							
BOD5	mg/L	198	180		91	1	84.6-115.4	10/15/2025

Laboratory Control Sample Summary

Client: Mars Chocolate North America, LLC

SDG No.: Q3344

Project: W.T.P. Final Effluent 2025

Run No.: LB137553

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LB137553BS							
TSS	mg/L	550	561		102	1	90-110	10/16/2025

Laboratory Control Sample Summary

Client: Mars Chocolate North America, LLC

SDG No.: Q3344

Project: W.T.P. Final Effluent 2025

Run No.: LB137554

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LB137554BS							
TDS	mg/L	100	94.0		94	1	90-110	10/15/2025

Laboratory Control Sample Summary

Client: Mars Chocolate North America, LLC

SDG No.: Q3344

Project: W.T.P. Final Effluent 2025

Run No.: LB137556

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LB137556BS							
Oil and Grease	mg/L	20.0	16.8		84	1	78-114	10/15/2025

Laboratory Control Sample Summary

Client: Mars Chocolate North America, LLC

SDG No.: Q3344

Project: W.T.P. Final Effluent 2025

Run No.: LB137557

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LB137557BS							
TPH	mg/L	20.0	17.0		85	1	78-114	10/16/2025

Laboratory Control Sample Summary

Client: Mars Chocolate North America, LLC

SDG No.: Q3344

Project: W.T.P. Final Effluent 2025

Run No.: LB137557

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LB137557BSD							
TPH	mg/L	20.0	17.1		86	1	78-114	10/16/2025

Laboratory Control Sample Summary

Client: Mars Chocolate North America, LLC

SDG No.: Q3344

Project: W.T.P. Final Effluent 2025

Run No.: LB137539

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	PB170111BS							
Ammonia as N	mg/L	1	0.97		97	1	90-110	10/15/2025

Laboratory Control Sample Summary

Client: Mars Chocolate North America, LLC

SDG No.: Q3344

Project: W.T.P. Final Effluent 2025

Run No.: LB137597

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	PB170160BS							
Phosphorus, Total	mg/L	0.50	0.50		101	1	90-110	10/21/2025



RAW DATA

Analytical Summary Report

Analysis Method: SM2120 B
Parameter: Color
Run Number: LB137535

Reviewed By: Iwona
Supervisor Review By: jignesh
pH Meter ID: WC pH Meter-1

Reagent/Standard	Lot/Log #
Calibration std, 0 color unit	WP115190
Calibration std, 5 color unit	WP115191
Calibration std, 10 color unit	WP115192
Calibration std, 15 color unit	WP115193
Calibration std, 20 color unit	WP115194
Calibration std, 25 color unit	WP115195
Calibration std, 30 color unit	WP115196
Calibration std, 40 color unit	WP115197
Calibration std, 50 color unit	WP115198
Calibration std, 60 color unit	WP115199
Calibration std, 70 color unit	WP115200
Calibration std, 100 color unit	WP115201

Seq	LabID	ClientID	DL	pH Reading	pH Adjustment	Result (cu)	Anal Date	Anal Time
1	LB137535BL	LB137535BL	1	5.02	N/A	0.00	10/15/2025	10:30
2	Q3344-01	1 EFFLUENT-COMPOSITE	20	7.98	N/A	40.00	10/15/2025	10:35
3	Q3344-01DUP	1 EFFLUENT-COMPOSITE	20	7.97	N/A	40.00	10/15/2025	10:40

(6137)

Test results

Aquakem 7.2AQ1

Page:

Alliance Technical Group

284 Sheffield Street, Mountainside, NJ 07092

Reviewed by : RM

Instrument ID : Konelab

10/16/2025 8:27

Test: Ammonia-N

Sample Id	Result	Dil. 1 +	Response	Errors
ICV1	1.005	0.0	0.209	
ICB1	0.026	0.0	0.023	
CCV1	0.993	0.0	0.207	
CCB1	0.028	0.0	0.024	
RL CHECK	0.106	0.0	0.038	
PB170110BL	0.028	0.0	0.024	
PB170110BS	1.000	0.0	0.208	
Q3341-01	0.029	0.0	0.024	
Q3341-02	0.030	0.0	0.024	
Q3341-03	0.028	0.0	0.024	
Q3341-03DUP	0.027	0.0	0.023	
Q3341-03MS	1.021	0.0	0.212	
Q3341-03MSD	1.021	0.0	0.212	
PB170111BL	0.030	0.0	0.024	
CCV2	1.000	0.0	0.208	
CCB2	0.030	0.0	0.024	
PB170111BS	0.967	0.0	0.202	
Q3344-01	1.102	0.0	0.228	
Q3345-07	0.031	0.0	0.024	
Q3345-07DUP	0.028	0.0	0.024	
Q3345-07MS	0.991	0.0	0.207	
Q3345-07MSD	1.000	0.0	0.208	
CCV3	1.004	0.0	0.209	
CCB3	0.033	0.0	0.025	

106% (50-150)

10/16/2025
RM

N	24
Mean	0.482
SD	0.4967
CV%	103.12

Aquakem v. 7.2AQ1

Results from time period:

Wed Oct 15 17:29:51 2025

Wed Oct 15 18:02:11 2025

Sample Id	Sam/Ctr/cf	Test short r	Test type	Result	Result unit	Result date and time	Stat
0.0PPM	A	Ammonia-1 P		0.0352	mg/l	10/15/2025 12:03:14	
0.1PPM	A	Ammonia-1 P		0.1098	mg/l	10/15/2025 12:03:15	
0.2PPM	A	Ammonia-1 P		0.2064	mg/l	10/15/2025 12:03:16	
0.4PPM	A	Ammonia-1 P		0.3905	mg/l	10/15/2025 12:03:17	
1.0PPM	A	Ammonia-1 P		0.9659	mg/l	10/15/2025 12:03:18	
1.3PPM	A	Ammonia-1 P		1.2565	mg/l	10/15/2025 12:03:19	
2.0PPM	A	Ammonia-1 P		2.069	mg/l	10/15/2025 12:03:20	
ICV1	S	Ammonia-1 P		1.0045	mg/l	10/15/2025 17:29:51	
ICB1	S	Ammonia-1 P		0.0265	mg/l	10/15/2025 17:29:53	
CCV1	S	Ammonia-1 P		0.9932	mg/l	10/15/2025 17:29:56	
CCB1	S	Ammonia-1 P		0.0283	mg/l	10/15/2025 17:29:58	
RL CHECK	S	Ammonia-1 P		0.1062	mg/l	10/15/2025 17:30:00	
PB170110BL	S	Ammonia-1 P		0.0285	mg/l	10/15/2025 17:30:02	
PB170110BS	S	Ammonia-1 P		0.9998	mg/l	10/15/2025 17:40:35	
Q3341-01	S	Ammonia-1 P		0.0289	mg/l	10/15/2025 17:40:38	
Q3341-02	S	Ammonia-1 P		0.0304	mg/l	10/15/2025 17:40:39	
Q3341-03	S	Ammonia-1 P		0.028	mg/l	10/15/2025 17:40:41	
Q3341-03DUP	S	Ammonia-1 P		0.0271	mg/l	10/15/2025 17:40:44	
Q3341-03MS	S	Ammonia-1 P		1.0212	mg/l	10/15/2025 17:40:45	
Q3341-03MSD	S	Ammonia-1 P		1.0214	mg/l	10/15/2025 17:51:20	
PB170111BL	S	Ammonia-1 P		0.0301	mg/l	10/15/2025 17:51:21	
CCV2	S	Ammonia-1 P		0.9998	mg/l	10/15/2025 17:51:24	
CCB2	S	Ammonia-1 P		0.0301	mg/l	10/15/2025 17:51:25	
PB170111BS	S	Ammonia-1 P		0.967	mg/l	10/15/2025 17:51:27	
Q3344-01	S	Ammonia-1 P		1.1024	mg/l	10/15/2025 17:51:29	
Q3345-07	S	Ammonia-1 P		0.0308	mg/l	10/15/2025 18:02:00	
Q3345-07DUP	S	Ammonia-1 P		0.0285	mg/l	10/15/2025 18:02:02	
Q3345-07MS	S	Ammonia-1 P		0.991	mg/l	10/15/2025 18:02:04	
Q3345-07MSD	S	Ammonia-1 P		0.9998	mg/l	10/15/2025 18:02:06	
CCV3	S	Ammonia-1 P		1.0036	mg/l	10/15/2025 18:02:08	
CCB3	S	Ammonia-1 P		0.0328	mg/l	10/15/2025 18:02:11	

Calibration results

Aquakem 7.2AQ1

Page: 1

Alliance Technical Group
 284 Sheffield Street, Mountainside, NJ 07092

Reviewed by : RM

Instrument ID : Konelab

10/15/2025 12:09

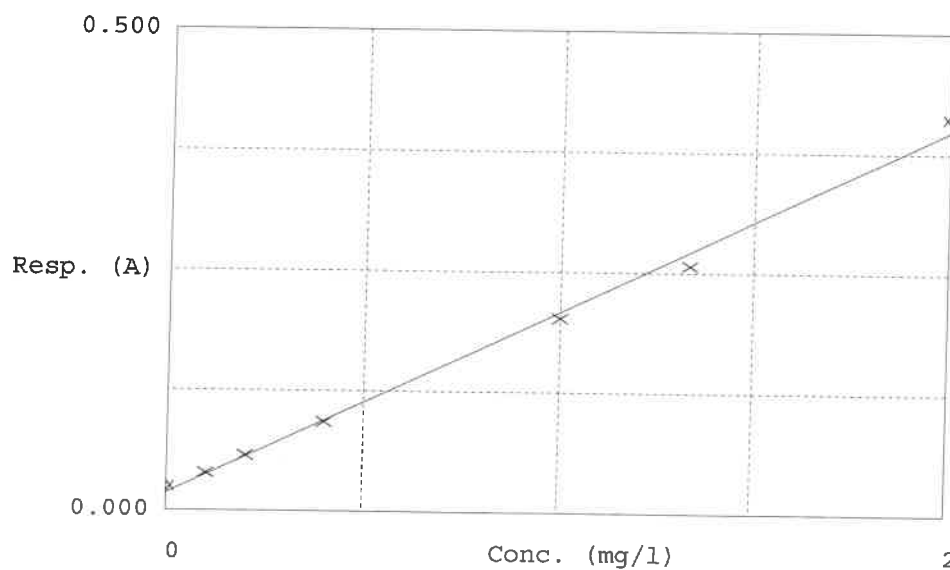
Test Ammonia-N

Accepted 10/15/2025 12:09

Factor 5.261
 Bias 0.018

Coeff. of det. 0.996068

Errors



	Calibrator	Response	Calc. con.	Conc.	Errors
1	0.00PPM	0.025	0.0352	0.0000	-
2	NH3-2PPM	0.039	0.1098	0.1000	9.8
3	NH3-2PPM	0.058	0.2064	0.2000	3.2
4	NH3-2PPM	0.093	0.3905	0.4000	-2.4
5	NH3-2PPM	0.202	0.9659	1.0000	-3.4
6	NH3-2PPM	0.257	1.2565	1.3333	-3.3
7	NH3-2PPM	0.412	2.0690	2.0000	3.5

10/15/2025
 RM

Analytical Summary Report

Analysis Method: SM5220 D

ANALYST: Iwona

Parameter: COD

SUPERVISOR REVIEW BY: jignesh

Run Number: LB137541

Reagent/Standard	Lot/Log #
COD calibration std. 150 ppm	WP114659
COD calibration std. 100 ppm	WP114658
COD calibration std. 50 ppm	WP114656
COD calibration std. 10 ppm	WP114655
COD calibration std. 0 ppm	WP114654
COD ICV-LCS std, 50ppm	WP114661
COD calibration std. 75 ppm	WP114657
COD Digestion Vials Low Level 0-150Mg/L	W3230
COD CCV std, 50ppm	WP115210
COD ICV-LCS std, 50ppm	WP115211
RL CHECK	WP115212

Temp In (C): 148	Date In: 10/15/2025	Time In: 11:55
Temp Out (C): 151	Date Out: 10/15/2025	Time Out: 13:55

Intercept: 0.3943

Slope: 0.9887

Regression: 0.9996

Seq	Lab ID	TrueValue (mg/l)	DF	MATRIX	Reading	Result (mg/l)	%D	Anal Date	Anal Time
1	CAL1	0	1	Water	0.000	-0.399		09/08/2025	13:30
2	CAL2	10	1	Water	9.000	8.704	-13	09/08/2025	13:30
3	CAL3	50	1	Water	51.000	51.184	2.4	09/08/2025	13:31
4	CAL4	75	1	Water	77.000	77.481	3.3	09/08/2025	13:31
5	CAL5	100	1	Water	98.000	98.721	-1.3	09/08/2025	13:32
6	CAL6	150	1	Water	148.000	149.293	-0.5	09/08/2025	13:32

Analytical Summary Report

Analysis Method: SM5220 D

ANALYST: Iwona

Parameter: COD

SUPERVISOR REVIEW BY: jignesh

Run Number: LB137541

Seq	Lab ID	True Value (mg/l)	Initial Weight (g)	Final Vol (ml)	DF	MATRIX	Reading	Result	AnalDate	AnalTime
1	ICV	50	NA	NA	1	Water	50.000	50.173	09/08/2025	13:33
2	ICB		NA	NA	1	Water	1.000	0.613	09/08/2025	13:33
3	CCV1	50	NA	NA	1	Water	48.000	48.150	10/15/2025	14:30
4	CCB1		NA	NA	1	Water	1.000	0.613	10/15/2025	14:30
5	RL Check	10	NA	NA	1	Water	7.000	6.681	10/15/2025	14:31
6	LB137541BL		NA	NA	1	Water	0.000	-0.399	10/15/2025	14:31
7	LB137541BS	50	NA	NA	1	Water	51.000	51.184	10/15/2025	14:32
8	Q3328-01		NA	NA	20	Water	133.000	134.121	10/15/2025	14:32
9	Q3344-01		NA	NA	1	Water	132.000	133.110	10/15/2025	14:33
10	Q3345-07		NA	NA	1	Water	6.000	5.670	10/15/2025	14:33
11	Q3345-07DUP		NA	NA	1	Water	6.000	5.670	10/15/2025	14:34
12	Q3345-07MS	50	NA	NA	1	Water	52.000	52.196	10/15/2025	14:34
13	Q3345-07MSD	50	NA	NA	1	Water	53.000	53.207	10/15/2025	14:35
14	Q3351-01		NA	NA	1	Water	78.000	78.493	10/15/2025	14:35
15	Q3351-02		NA	NA	1	Water	101.000	101.756	10/15/2025	14:36
16	CCV2	50	NA	NA	1	Water	51.000	51.184	10/15/2025	14:36
17	CCB2		NA	NA	1	Water	1.000	0.613	10/15/2025	14:37

BOD Soluble LOG

ANALYST: rubin
 On:10/21/2025
 10:46:06 AM
 Inst Id :DO METER
 LB :LB137545

SUPERVISOR: Iwona

QC BATCH ID: LB137545

Analysis Date: 10/15/2025

BOD Water: WP115220

MANGANOUS SULFATE SOLUTION: W3103

Starch: W3149

Alkaline Iodide Azide: W3109

Sulfuric acid, 1N: WP112832

Sodium Thiosulfate, 0.025N: W3248

POLYSEED: WP115222

NaOH, 1N: WP113878

GGA: WP115221

IncubatorID: INCUBATOR #3

Chlorine Strips: W3155

GuageID: 0511064

pH Strips: W3241

Zero DO: WP114920

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: 9.39

Zero DO Reading1: 0.15 mg/L (<=0.2 Criteria)

Barometric Pressure1: 755 mmHg

DO Meter BOD fluid reading for winkler comparison: 9.59

After Incubation

Meter Calibration2: 8.68

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

Barometric Pressure2: 755 mmHg

QC BATCH ID: LB137545

INCUBATOR TEMP IN(C): 19.9

INCUBATOR TEMP OUT(C): 19.8

TIME IN: 17:10

TIME OUT: 15:30

DATE IN: 10/15/2025

DATE OUT: 10/20/2025

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
LB137545BL	1	No	6.67	N/A	20.80	300	9.58	9.56	0.02	0.02	0.02	
POLYSEED	1					10	9.47	6.79	2.68	0.54	0.59	
POLYSEED	2					15	9.41	4.67	4.74	0.63		
POLYSEED	3					20	9.38	3.28	6.1	0.61		
GGA	1					6	9.47	5.24	4.23	182	176	
GGA	2					6	9.45	5.37	4.08	174.5		
GGA	3					6	9.45	5.43	4.02	171.5		
Q3344-01	1	No	8.00	7.28	20.00	2	9.52	8.05	-	0	58.05	pH Adjusted
Q3344-01	2					10	9.49	6.57	2.92	69.9		
Q3344-01	3					50	9.35	1.06	8.29	46.2		
Q3344-01	4					100	9.28	0.11	-	0		
Q3344-01DUP	1	No	8.00	7.28	20.00	2	9.53	8.09	-	0	57	pH Adjusted
Q3344-01DUP	2					10	9.49	6.62	2.87	68.4		
Q3344-01DUP	3					50	9.36	1.17	8.19	45.6		
Q3344-01DUP	4					100	9.27	0.15	-	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.

LB137545

WORKLIST(Hardcopy Internal Chain)

WorkList Name : BODSUL-10-15 WorkList ID : 192486 Department : Wet-Chemistry Date : 10-15-2025 12:46:25

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3344-01	1 EFFLUENT-COMPOSITE	Water	BOD Soluble	Cool 4 deg C	M&MM01	J22	10/14/2025	SM5210 B

Date/Time 10/15/2025 15:10
Raw Sample Received by: RM (w/c)
Raw Sample Relinquished by: RM (w/c)

Date/Time 10/15/2025 17:00
Raw Sample Received by: RM (w/c)
Raw Sample Relinquished by: RM (w/c)

BOD5 LOG

ANALYST: rubin
 On:10/21/2025 4:50:41 PM

SUPERVISOR: Iwona

QC BATCH ID: LB137546

Analysis Date: 10/15/2025

BOD Water: WP115220

MANGANOUS SULFATE SOLUTION: W3103

Starch: W3149

Alkaline Iodide Azide: W3109

Sulfuric acid, 1N: WP112832

Sodium Thiosulfate, 0.025N: W3248

POLYSEED: WP115222

NaOH, 1N: WP113878

GGA: WP115221

IncubatorID: INCUBATOR #3

Chlorine Strips: W3155

GuageID: 0511064

pH Strips: W3241

Zero DO: WP114920

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: 9.39

Zero DO Reading1: 0.15 mg/L (<=0.2 Criteria)

Barometric Pressure1: 755 mmHg

DO Meter BOD fluid reading for winkler comparison: 9.59

After Incubation

Meter Calibration2: 8.68

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

Barometric Pressure2: 755 mmHg

QC BATCH ID: LB137546

INCUBATOR TEMP IN(C): 19.9

INCUBATOR TEMP OUT(C): 19.8

TIME IN: 17:10

TIME OUT: 15:30

DATE IN: 10/15/2025

DATE OUT: 10/20/2025

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
LB137546BL	1	No	6.67	N/A	20.80	300	9.58	9.56	0.02	0.02	0.02	
POLYSEED	1					10	9.44	6.68	2.76	0.55	0.59	
POLYSEED	2					15	9.38	4.83	4.55	0.61		
POLYSEED	3					20	9.36	3.20	6.16	0.62		
GGA	1					6	9.49	5.40	4.09	175	179.83	
GGA	2					6	9.48	5.31	4.17	179		
GGA	3					6	9.46	5.16	4.3	185.5		
Q3344-01	1	No	7.98	7.42	20.00	2	9.50	8.04	-	0	62.88	pH Adjusted
Q3344-01	2					10	9.48	6.23	3.25	79.8		
Q3344-01	3					50	9.39	1.14	8.25	45.96		
Q3344-01	4					100	9.25	0.45	-	0		
Q3344-01DUP	1	No	7.98	7.42	20.40	2	9.51	8.19	-	0	61.02	pH Adjusted
Q3344-01DUP	2					10	9.46	6.32	3.14	76.5		
Q3344-01DUP	3					50	9.39	1.21	8.18	45.54		
Q3344-01DUP	4					100	9.27	0.16	-	0		
Q3345-07	1	No	6.87	N/A	20.40	5	9.50	8.80	-	0		
Q3345-07	2					20	9.48	8.00	-	0		
Q3345-07	3					50	9.19	7.63	-	0		
Q3345-07	4					150	7.95	7.03	-	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.

66137546

WORKLIST(Hardcopy Internal Chain)

WorkList Name : BOD5-10-15

WorkList ID : 192485

Department : Wet-Chemistry

Date : 10-15-2025 12:46:14

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3344-01	1 EFFLUENT-COMPOSITE	Water	BOD5	Cool 4 deg C	M&MM01	J22	10/14/2025	SM5210 B
Q3345-07	TANK-FARM-WATER	Water	BOD5	Cool 4 deg C	PSEG03	D31	10/14/2025	SM5210 B

Date/Time 10/15/2025 15:10
Raw Sample Received by: RHCWC
Raw Sample Relinquished by: RHCWC

Date/Time 10/15/2025 17:00
Raw Sample Received by: RD WWC
Raw Sample Relinquished by: RD WWC

TOTAL SUSPENDED SOLIDS - SM2540D

SUPERVISOR: Iwona

ANALYST: jignesh

Date: 10/15/2025

Run Number: LB137553

BalanceID: WC SC-5

OvenID: WC OVEN-1

FilterID: 17416528

ThermometerID: WET OVEN#1

TEMP1 IN: 104 °C 10/15/2025 14:00 **TEMP1 OUT:** 103 °C 10/15/2025 15:00
TEMP2 IN: 104 °C 10/15/2025 15:30 **TEMP2 OUT:** 104 °C 10/15/2025 16:30
TEMP3 IN: 104 °C 10/16/2025 09:35 **TEMP3 OUT:** 103 °C 10/16/2025 11:11
TEMP4 IN: 104 °C 10/16/2025 12:00 **TEMP4 OUT:** 103 °C 10/16/2025 13:35

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	LB137553BL	LB137553BL	1.3562	1.3563	100	1.3563	1.3563	1.3563	0.0000	0
2	LB137553BS	LB137553BS	1.5896	1.5897	100	1.6458	1.6458	1.6458	0.0561	561
3	Q3019-10	WP0925-PT-SOL-WP	1.4823	1.4823	100	1.4847	1.4847	1.4847	0.0024	24
4	Q3344-01	1 EFFLUENT-COMPOSITE	1.4828	1.4828	1000	1.5397	1.5397	1.5397	0.0569	56.9
5	Q3344-01DUP	1 EFFLUENT-COMPOSITEDUP	1.4827	1.4827	1000	1.5387	1.5387	1.5387	0.0560	56
6	Q3345-07	TANK-FARM-WATER	1.4827	1.4828	1800	2.7993	2.7993	2.7993	1.3165	731.4
7	Q3351-01	SW-1	1.4858	1.4859	450	1.5142	1.5142	1.5142	0.0283	62.9
8	Q3351-02	SW-2	1.4922	1.4922	450	1.6264	1.6264	1.6264	0.1342	298.2
9	Q3359-02	Comp	1.4956	1.4956	50	1.5454	1.5454	1.5454	0.0498	996

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)

UB 131553

WorkList Name : tss q3357

WorkList ID : 192489

Department : Wet-Chemistry

Date : 10-16-2025 07:33:52

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3019-10	WP0925-PT-SOL-WP	Water	TSS	Cool 4 deg C	ALLI03	QA 01	09/02/2025	SM2540 D
Q3344-01	B ₃ C 1 EFFLUENT-COMPOSITE	Water	TSS	Cool 4 deg C	M&MM01	J22	10/14/2025	SM2540 D
Q3345-07	I ₅ TANK-FARM-WATER	Water	TSS	Cool 4 deg C	PSEG03	D31	10/14/2025	SM2540 D
Q3351-01	SW-1	Water	TSS	Cool 4 deg C	ATGG01	J33	10/13/2025	SM2540 D
Q3351-02	SW-2	Water	TSS	Cool 4 deg C	ATGG01	J33	10/13/2025	SM2540 D
Q3359-02	B Comp	Water	TSS	Cool 4 deg C	ARAM01	J41	10/15/2025	SM2540 D

Date/Time 10/16/25 07:45

Raw Sample Received by: SO WCC

Raw Sample Relinquished by: SO WCC

Date/Time 10/16/25 14:00

Raw Sample Received by: SO WCC

Raw Sample Relinquished by: SO WCC

TOTAL Dissolved Solids - SM2540C

Run Number: LB137554

Date: 10/16/2025

SUPERVISOR: Iwona

ANALYST: jignesh

BalanceID: WC SC-5

Filter ID: 17416528

EMPTY DISH				EMPTY DISH				OvenID:	WC OVEN-1	Thermo ID:	WET OVEN#1
TEMP IN:	104 °C	10/15/2025	11:00	TEMP OUT:	104 °C	10/15/2025	12:00				
TEMP1 IN:	104 °C	10/15/2025	12:30	TEMP1 OUT:	104 °C	10/15/2025	13:30	OvenID1:	WC OVEN-1	Thermo ID1:	WET OVEN#1
TEMP2 IN:	103 °C	10/15/2025	16:40	TEMP2 OUT:	103 °C	10/16/2025	07:00	OvenID2:	WC OVEN-2	Thermo ID2:	WET OVEN#2
TEMP3 IN:	180 °C	10/16/2025	07:05	TEMP3 OUT:	182 °C	10/16/2025	09:10	OvenID3:	WC OVEN-2	Thermo ID3:	WET OVEN#2

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 @180(±2) °C (g)	2nd Empty Dish+Sample weight after 1.5hr drying @180(±2) °C (g)	Final Empty Dish+Sample weight after 1.5hr drying @180(±2) °C (g)	Weight (g)	Result mg/L
1	LB137554BL	LB137554BL	135.2317	135.2317	100	135.2318	135.2318	135.2318	0.0001	1
2	LB137554BS	LB137554BS	108.7463	108.7463	100	108.7557	108.7557	108.7557	0.0094	94
3	Q3019-10	WP0925-PT-SOL-WP	92.9140	92.9140	100	92.9761	92.9761	92.9761	0.0621	621
4	Q3344-01	1 EFFLUENT-COMPOSITE	143.5399	143.5399	100	143.9601	143.9601	143.9601	0.4202	4202
5	Q3344-01DUP	1 EFFLUENT-COMPOSITEDUP	152.9613	152.9613	100	153.3848	153.3848	153.3848	0.4235	4235

A = Sample Volume (ml)

B = Empty Dish Weight (g)

C = 2nd Empty Dish + Sample weight after 1.5 hr drying @180(±2) °C(g)

D = Weight (g)

$$\text{Weight (g)} = C - B$$

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

UB 137554

WORKLIST(Hardcopy Internal Chain)

WorkList Name : tds q3344

WorkList ID : 192480

Department : Wet-Chemistry

Date : 10-15-2025 11:03:05

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3019-10	WP0925-PT-SOL-WP	Water	TDS	Cool 4 deg C	ALLI03	QA 01	09/02/2025	SM2540 C
Q3344-01, C	1 EFFLUENT-COMPOSITE	Water	TDS	Cool 4 deg C	M&MM01	J22	10/14/2025	SM2540 C

Date/Time 10/15/25 12:30
Raw Sample Received by: TB (CAC)
Raw Sample Relinquished by: BI (QAO)

Date/Time 10/15/25 17:00
Raw Sample Received by: AP SM
Raw Sample Relinquished by: SP Lead

Extraction and Analytical Summary Report

Analysis Method: 1664A
Test: Oil and Grease
Run Number: LB137556
Analysis Date: 10/15/2025
BalanceID: WC SC-5
OvenID: EXT OVEN-3

ANALYST: jignesh
REVIEWED BY: Iwona
Extraction Date: 10/15/2025
Extraction IN Time: 08:25
Extraction OUT Time: 09:00
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	LB137556BL	LB137556BL	WATER	1.3	1000	100	2.7485	2.7485	0	2.7486	2.7486	0.0001	0.1
2	LB137556BS	LB137556BS	WATER	1.3	1000	100	2.9304	2.9304	0	2.9472	2.9472	0.0168	16.8
3	Q3328-01	MH-10-10-25	WATER	1.6	1000	100	3.0216	3.0216	0	3.1976	3.1976	0.1760	176
4	Q3328-02	Q3328-01MS	WATER	1.6	1000	100	3.1987	3.1987	0	3.3948	3.3948	0.1961	196.1
5	Q3328-03	Q3328-01MSD	WATER	1.6	1000	100	3.0563	3.0563	0	3.2525	3.2525	0.1962	196.2
6	Q3344-02	2 EFFLUENT-GRAB	WATER	1.3	1000	100	3.0286	3.0286	0	3.0290	3.0290	0.0004	0.4

QC Batch# LB137556

Test: Oil and Grease

Analysis Date: 10/15/2025

Chemicals Used:

Chemical Name	Chemical Lot #
HEXANE	W3240
pH Paper 0-14	M6069
Sodium Sulfate	EP2646
1:1 HCL	WP115016
Silica Gel	N/A
Sand	N/A

Standards Used:

Standard Name	Amount Used	Standard Lot #
LCSW	2.5 ML	WP115017
LCSWD	N/A	N/A
MS/MSD	2.5 ML	WP115018

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 : 10:31

1.0000 gram Balance: 1.0004 (0.9950-1.0050) In Time1: 09:45

Bal Check Time: 08:33 Out OVEN TEMP1: 71 °C Dessicator Time Out1: 11:10

Out Time1: 10:30

After Analysis

0.0020 gram Balance: 0.0019 (0.0018-0.0022) In OVEN TEMP2 : 70 °C Dessicator Time In2 : 12:31

1.0000 gram Balance: 1.0005 (0.9950-1.0050) In Time2: 12:00

Bal Check Time: 13:15 Out OVEN TEMP2: 70 °C Dessicator Time Out2: 13:10

Out Time2: 12:30

WP 137556

WORKLIST(Hardcopy Internal Chain)

WorkList Name : OIL & GREASE Q3345 WorkList ID : 192458 Department : Wet-Chemistry Date : 10-15-2025 08:09:31

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3328-01	MH-10-10-25	Water	Oil and Grease	Conc H2SO4 to pH < 2	EURO03	D31	10/10/2025	1664A
Q3328-02	Q3328-01MS	Water	Oil and Grease	Conc H2SO4 to pH < 2	EURO03	D31	10/10/2025	1664A
Q3328-03	Q3328-01MSD	Water	Oil and Grease	Conc H2SO4 to pH < 2	EURO03	D31	10/10/2025	1664A
Q3344-02	2 EFFLUENT-GRAB	Water	Oil and Grease	Conc H2SO4 to pH < 2	M&MM01	J22	10/14/2025	1664A

Date/Time 10/15/25 08:20
Raw Sample Received by: SR WY
Raw Sample Relinquished by: JD CSM

Date/Time 10/15/25 13:30
Raw Sample Received by: JD CSM
Raw Sample Relinquished by: SR WY

Extraction and Analytical Summary Report

Analysis Method: 1664A
Test: TPH
Run Number: LB137557
Analysis Date: 10/16/2025
BalanceID: WC SC-5
OvenID: EXT OVEN-3

ANALYST: jignesh
REVIEWED BY: Iwona
Extraction Date: 10/16/2025
Extraction IN Time: 08:00
Extraction OUT Time: 08:20
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	LB137557BL	LB137557BL	WATER	1.3	1000	100	3.0217	3.0217	3.01	3.0218	3.0218	0.0001	0.1
2	LB137557BS	LB137557BS	WATER	1.3	1000	100	2.8563	2.8563	3.03	2.8733	2.8733	0.0170	17
3	LB137557BSD	LB137557BSD	WATER	1.3	1000	100	3.1477	3.1477	3.04	3.1648	3.1648	0.0171	17.1
4	Q3316-01	GRAB	WATER	1.6	1000	100	3.0533	3.0533	3.04	3.0815	3.0815	0.0282	28.2
5	Q3328-01	MH-10-10-25	WATER	1.6	1000	100	3.0356	3.0356	18.03	3.0572	3.0572	0.0216	21.6
6	Q3344-02	2 EFFLUENT-GRAB	WATER	1.3	1000	100	3.0274	3.0274	3.02	3.0276	3.0276	0.0002	0.2
7	Q3345-07	TANK-FARM-WATER	WATER	1.3	1000	100	3.0133	3.0133	3.02	3.0135	3.0135	0.0002	0.2
8	Q3359-01	Grab	WATER	1.6	1000	100	3.0229	3.0229	3.05	3.0637	3.0637	0.0408	40.8

QC Batch# LB137557

Test: TPH

Analysis Date: 10/16/2025

Chemicals Used:

Chemical Name	Chemical Lot #
HEXANE	W3240
pH Paper 0-14	M6069
Sodium Sulfate	EP2652
1:1 HCL	WP115016
Silica Gel	W3246
Sand	N/A

Standards Used:

Standard Name	Amount Used	Standard Lot #
LCSW	5.00 ML	WP115017
LCSWD	5.00 ML	WP115018
MS/MSD	N/A	N/A

BALANCE CALIBRATION / OVEN Dessicator Data

Analytical Balance ID # : WC SC-6

Before Analysis

0.0020 gram Balance: 0.0019 (0.0018-0.0022) In OVEN TEMP1 : 70 °C Dessicator Time In1 : 10:31

1.0000 gram Balance: 1.0004 (0.9950-1.0050) In Time1: 09:35

Bal Check Time: 08:10 Out OVEN TEMP1: 71 °C Dessicator Time Out1: 11:10

Out Time1: 10:30

After Analysis

0.0020 gram Balance: 0.002 (0.0018-0.0022) In OVEN TEMP2 : 70 °C Dessicator Time In2 : 12:31

1.0000 gram Balance: 1.0003 (0.9950-1.0050) In Time2: 12:00

Bal Check Time: 12:35 Out OVEN TEMP2: 70 °C Dessicator Time Out2: 13:00

Out Time2: 12:30

WORKLIST(Hardcopy Internal Chain)

UB137557

WorkList Name : tph q3357

WorkList ID : 192490

Department : Wet-Chemistry

Date : 10-16-2025 07:34:25

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3316-01	GRAB	Water	TPH	Conc H2SO4 to pH < 2	ARAM01	D31	10/08/2025	1664A
Q3328-01	D MH-10-10-25	Water	TPH	Conc H2SO4 to pH < 2	EURO03	D31	10/10/2025	1664A
Q3344-02	A 2 EFFLUENT-GRAB	Water	TPH	Conc H2SO4 to pH < 2	M&MM01	J22	10/14/2025	1664A
Q3345-07	T TANK-FARM-WATER	Water	TPH	Conc H2SO4 to pH < 2	PSEG03	D31	10/14/2025	1664A
Q3359-01	Grab	Water	TPH	Conc H2SO4 to pH < 2	ARAM01	J41	10/15/2025	1664A

Date/Time 10/16/25 07:45
Raw Sample Received by: JH WEE
Raw Sample Relinquished by: JH WEE

Date/Time 10/16/25 15:00
Raw Sample Received by: JH WEE
Raw Sample Relinquished by: JH WEE

Analytical Summary Report

Analysis Method: 365.3
Parameter: Phosphorus-Total
Run Number: LB137597

ANALYST: Iwona
SUPERVISOR REVIEW BY: jignesh

Reagent/Standard	Lot/Log #
calibration std. phosphate 1 ppm	WP115259
calibration std. phosphate 0.5 ppm	WP115258
calibration std. phosphate 0.3 ppm	WP115257
calibration std. phosphate 0.1 ppm	WP115256
calibration std. phosphate 0.05 ppm	WP115255
calibration std. 0 ppm	WP115254
phosphate CCV std.	WP115261
5N sulfuric acid	WP112831
Combined reagent	WP115264
Phenolphthalein indicator	WP113378
Sodium hydroxide, 1N	WP113878
Phosphate ICV-LCS Std	WP115260

Intercept: -0.0021 Slope: 0.6512 Regression: 0.999771

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	0.003		10/21/2025	11:20
2	CAL2	0.05	1	50	50	0.033	0.054	8	10/21/2025	11:20
3	CAL3	0.10	1	50	50	0.067	0.106	6	10/21/2025	11:21
4	CAL4	0.30	1	50	50	0.184	0.286	-4.7	10/21/2025	11:21
5	CAL5	0.50	1	50	50	0.320	0.495	-1	10/21/2025	11:22
6	CAL6	1.00	1	50	50	0.653	1.006	0.6	10/21/2025	11:22

Analytical Summary Report

Analysis Method: 365.3

ANALYST: Iwona

Parameter: Phosphorus-Total

SUPERVISOR REVIEW BY: jignesh

Run Number: LB137597

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	0.328	0.507	10/21/2025	11:23
2	ICB		1	50	50	0.002	0.006	10/21/2025	11:23
3	CCV1	0.50	1	50	50	0.325	0.502	10/21/2025	11:24
4	CCB1		1	50	50	0.004	0.009	10/21/2025	11:24
5	RL Check	0.05	1	50	50	0.026	0.043	10/21/2025	11:25
6	PB170160BL		1	50	50	0.003	0.008	10/21/2025	11:25
7	PB170160BS	0.50	1	50	50	0.326	0.504	10/21/2025	11:26
8	Q3344-01		1	50	50	1.655	2.545	10/21/2025	11:26
9	Q3344-01DUP		1	50	50	1.657	2.548	10/21/2025	11:27
10	Q3344-01MS	0.50	1	50	50	1.744	2.681	10/21/2025	11:27
11	Q3344-01MSD	0.50	1	50	50	1.748	2.688	10/21/2025	11:28
12	Q3344-01		5	50	50	0.456	0.703	10/21/2025	11:28
13	Q3344-01DUP		5	50	50	0.453	0.699	10/21/2025	11:29
14	Q3344-01MS	0.50	5	50	50	0.518	0.799	10/21/2025	11:29
15	CCV2	0.50	1	50	50	0.324	0.501	10/21/2025	11:30
16	CCB2		1	50	50	0.003	0.008	10/21/2025	11:30
17	Q3344-01MSD	0.50	5	50	50	0.516	0.796	10/21/2025	11:31
18	CCV3	0.50	1	50	50	0.327	0.505	10/21/2025	11:31
19	CCB3		1	50	50	0.002	0.006	10/21/2025	11:32

SOP ID : MSM4500-NH3 B,G-Ammonia-18

SDG No : N/A

Start Digest Date: 10/15/2025 Time : 10:25 Temp : 150 °C

Matrix : WATER

End Digest Date: 10/15/2025 Time : 11:25 Temp : 160 °C

Pipette ID : WC

Balance ID : N/A

Hood ID : HOOD#2

Digestion tube ID : M5595

Block Thermometer ID : WC CYANIDE

Block ID : WC-DIST-BLOCK-1

Filter paper ID : N/A

Prep Technician Signature: RM

Weigh By : N/A

pH Meter ID : N/A

Supervisor Signature:

Standard Name	MLS USED	STD REF. # FROM LOG
LCSW	1.0ML	WP115088
MS/MSD SPIKE SOL.	1.0ML	WP115087
PBW	50.0ML	W3112
RL CHECK	N/A	AS PER PB170110
N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
BORATE BUFFER	2.5ML	WP113886
NAOH 6N	0.5-2.0ML	WP113887
H2SO4 0.04N	5.0ML	WP112828
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

Extraction Conformance/Non-Conformance Comments:

ALL GLASSWEAR ARE STEAMED OUT AND THERE WERE NO TRACE OF AMMONIA USING NESLER REAGENT
WP114104, Due to bad matrix and client history 1ML was taken as an initial volume for Q3344-01

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
10/15/2025 11:40	RM CWG	RM CWG
	Preparation Group	Analysis Group

Lab Sample ID	Client Sample ID	Initial Vol (ml)	Final Vol (ml)	pH	Sulfide	Oxidizing	Nitrate/ Nitrite	Comment	Prep Pos
PB170111BL	PBW111	50	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
PB170111BS	LCS111	50	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
Q3344-01	1 EFFLUENT-COMPOSITE	1	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
Q3345-07	TANK-FARM-WATER	50	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
Q3345-07DUP	TANK-FARM-WATERDUP	50	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
Q3345-07MS	TANK-FARM-WATERMS	50	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
Q3345-07MSD	TANK-FARM-WATERMSD	50	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A

WORKLIST(Hardcopy Internal Chain)

WorkList Name : AMMONIA-

WorkList ID : 192478

Department : Distillation

Date : 10-14-2025 17:32:20

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3344-01	1 EFFLUENT-COMPOSITE	Water	Ammonia	Conc H2SO4 to pH < 2	M&MM01	J22	10/14/2025	SM4500-NH3
Q3345-07	TANK-FARM-WATER	Water	Ammonia	Conc H2SO4 to pH < 2	PSEG03	D31	10/14/2025	SM4500-NH3

Date/Time 10/15/2025 08:15
 Raw Sample Received by: RY WU
 Raw Sample Relinquished by: RY WU

Date/Time 10/15/2025 11:20
 Raw Sample Received by: RY WU
 Raw Sample Relinquished by: RY WU

SOP ID : M365.3 & SM4500-P E-19

SDG No : N/A

Start Digest Date: 10/21/2025 Time : 09:10 Temp : 94 °C

Matrix : WATER

End Digest Date: 10/21/2025 Time : 10:15 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: 12

Weigh By : N/A

pH Meter ID : N/A

Supervisor Signature:

Standardized Name	MLS USED	STD REF. # FROM LOG
LCSW	0.5ML	WP112914
MS/MSD SPIKE SOL.	0.5ML	WP112913
PBW	50.0ML	W3112
RL CHECK	50.0ML	WP115262
N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
11N H2SO4	1ML	WP115089
AMMONIUM PERSULFATE	0.4g	W3035
pH Paper 0-14	N/A	W3241
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	WP115254
CAL2	CAL2	50.0ML	WP115255
CAL3	CAL3	50.0ML	WP115256
CAL4	CAL4	50.0ML	WP115257
CAL5	CAL5	50.0ML	WP115258
CAL6	CAL6	50.0ML	WP115259
ICV	ICV	50.0ML	WP115260
ICB	ICB	50.0ML	W3112
CCV	CCV	50.0ML	WP115261
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

12/21/25

Lab Sample ID	Client Sample ID	Initial Vol (ml)	Final Vol (ml)	pH	Sulfide	Oxidizing	Nitrate/ Nitrite	Comment	Prep Pos
PB170160BL	PBW160	50	50	<2	N/A	N/A	N/A	N/A	N/A
PB170160BS	LCS160	50	50	<2	N/A	N/A	N/A	N/A	N/A
Q3344-01	1 EFFLUENT-COMPOSITE	50	50	<2	N/A	N/A	N/A	N/A	N/A
Q3344-01DUP	1 EFFLUENT-COMPOSITEDUP	50	50	<2	N/A	N/A	N/A	N/A	N/A
Q3344-01MS	1 EFFLUENT-COMPOSITEMS	50	50	<2	N/A	N/A	N/A	N/A	N/A
Q3344-01MSD	1 EFFLUENT-COMPOSITEMSD	50	50	<2	N/A	N/A	N/A	N/A	N/A

WORKLIST(Hardcopy Internal Chain)

WorkList Name : TotalPhos-102025

WorkList ID : 192559

Department : Distillation

Date : 10-20-2025 09:26:32

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3344-01	1 EFFLUENT-COMPOSITE	Water	Phosphorus-Total	Conc H2SO4 to pH < 2	M&MM01	J22	10/14/2025	365.3

Date/Time 10/21/25 08:35
 Raw Sample Received by: 12 (SC)
 Raw Sample Relinquished by: 28 (SC)

Date/Time 10/21/25 09:20
 Raw Sample Received by: 28 (SC)
 Raw Sample Relinquished by: 12 (SC)

Instrument ID: NESSLER TUBES

Daily Analysis Runlog For Sequence/QC Batch ID # LB137535

Review By	Iwona	Review On	10/15/2025 12:26:30 PM
Supervise By	jignesh	Supervise On	10/15/2025 12:27:53 PM
SubDirectory	LB137535	Test	Color
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	LB137535BL	LB137535BL	MB	10/15/25 10:30		Iwona	OK
2	Q3344-01	1 EFFLUENT-COMP	SAM	10/15/25 10:35		Iwona	OK
3	Q3344-01DUP	1 EFFLUENT-COMP	DUP	10/15/25 10:40		Iwona	OK

Instrument ID: KONELAB

Daily Analysis Runlog For Sequence/QC Batch ID # LB137539

Review By	rubina	Review On	10/17/2025 10:18:01 AM
Supervise By	Iwona	Supervise On	10/17/2025 12:55:23 PM
SubDirectory	LB137539	Test	Ammonia
STD. NAME	STD REF.#		
ICAL Standard	WP115213		
ICV Standard	WP115215		
CCV Standard	WP115214		
ICSA Standard	N/A		
CRI Standard	N/A		
LCS Standard	WP115088		
Chk Standard	WP114799,WP114133,WP113929,WP114132		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	0.0PPM	0.0PPM	CAL1	10/15/25 12:03		rubina	OK
2	0.1PPM	0.1PPM	CAL2	10/15/25 12:03		rubina	OK
3	0.2PPM	0.2PPM	CAL3	10/15/25 12:03		rubina	OK
4	0.4PPM	0.4PPM	CAL4	10/15/25 12:03		rubina	OK
5	1.0PPM	1.0PPM	CAL5	10/15/25 12:03		rubina	OK
6	1.3PPM	1.3PPM	CAL6	10/15/25 12:03		rubina	OK
7	2.0PPM	2.0PPM	CAL7	10/15/25 12:03		rubina	OK
8	ICV1	ICV1	ICV	10/15/25 17:29		rubina	OK
9	ICB1	ICB1	ICB	10/15/25 17:29		rubina	OK
10	CCV1	CCV1	CCV	10/15/25 17:29		rubina	OK
11	CCB1	CCB1	CCB	10/15/25 17:29		rubina	OK
12	RL	RL	SAM	10/15/25 17:30		rubina	OK
13	PB170110BL	PB170110BL	MB	10/15/25 17:30		rubina	OK
14	PB170110BS	PB170110BS	LCS	10/15/25 17:40		rubina	OK
15	Q3341-01	C-1	SAM	10/15/25 17:40		rubina	OK
16	Q3341-02	C-2	SAM	10/15/25 17:40		rubina	OK
17	Q3341-03	C-3	SAM	10/15/25 17:40		rubina	OK
18	Q3341-03DUP	C-3DUP	DUP	10/15/25 17:40		rubina	OK

Instrument ID: KONELAB

Daily Analysis Runlog For Sequence/QC Batch ID # LB137539

Review By	rubina	Review On	10/17/2025 10:18:01 AM
Supervise By	Iwona	Supervise On	10/17/2025 12:55:23 PM
SubDirectory	LB137539	Test	Ammonia
STD. NAME	STD REF.#		
ICAL Standard	WP115213		
ICV Standard	WP115215		
CCV Standard	WP115214		
ICSA Standard	N/A		
CRI Standard	N/A		
LCS Standard	WP115088		
Chk Standard	WP114799,WP114133,WP113929,WP114132		

19	Q3341-03MS	C-3MS	MS	10/15/25 17:40		rubina	OK
20	Q3341-03MSD	C-3MSD	MSD	10/15/25 17:51		rubina	OK
21	PB170111BL	PB170111BL	MB	10/15/25 17:51		rubina	OK
22	CCV2	CCV2	CCV	10/15/25 17:51		rubina	OK
23	CCB2	CCB2	CCB	10/15/25 17:51		rubina	OK
24	PB170111BS	PB170111BS	LCS	10/15/25 17:51		rubina	OK
25	Q3344-01	1 EFFLUENT-COMP	SAM	10/15/25 17:51		rubina	OK
26	Q3345-07	TANK-FARM-WATER	SAM	10/15/25 18:02		rubina	OK
27	Q3345-07DUP	TANK-FARM-WATER	DUP	10/15/25 18:02		rubina	OK
28	Q3345-07MS	TANK-FARM-WATER	MS	10/15/25 18:02		rubina	OK
29	Q3345-07MSD	TANK-FARM-WATER	MSD	10/15/25 18:02		rubina	OK
30	CCV3	CCV3	CCV	10/15/25 18:02		rubina	OK
31	CCB3	CCB3	CCB	10/15/25 18:02		rubina	OK

Instrument ID: SPECTROPHOTOMETER-2

Daily Analysis Runlog For Sequence/QC Batch ID # LB137541

Review By	Iwona	Review On	10/15/2025 2:45:04 PM
Supervise By	jignesh	Supervise On	10/15/2025 2:47:16 PM
SubDirectory	LB137541	Test	COD
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	WP114659,WP114658,WP114656,WP114655,WP114654,WP114661,WP114657,W3230,WP115210,WP115211,WP1		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	CAL1	CAL1	CAL	09/08/25 13:30		Iwona	OK
2	CAL2	CAL2	CAL	09/08/25 13:30		Iwona	OK
3	CAL3	CAL3	CAL	09/08/25 13:31		Iwona	OK
4	CAL4	CAL4	CAL	09/08/25 13:31		Iwona	OK
5	CAL5	CAL5	CAL	09/08/25 13:32		Iwona	OK
6	CAL6	CAL6	CAL	09/08/25 13:32		Iwona	OK
7	ICV	ICV	ICV	09/08/25 13:33		Iwona	OK
8	ICB	ICB	ICB	09/08/25 13:33		Iwona	OK
9	CCV1	CCV1	CCV	10/15/25 14:30		Iwona	OK
10	CCB1	CCB1	CCB	10/15/25 14:30		Iwona	OK
11	RL Check	RL Check	RL	10/15/25 14:31		Iwona	OK
12	LB137541BL	LB137541BL	MB	10/15/25 14:31		Iwona	OK
13	LB137541BS	LB137541BS	LCS	10/15/25 14:32		Iwona	OK
14	Q3328-01	MH-10-10-25	SAM	10/15/25 14:32		Iwona	OK
15	Q3344-01	1 EFFLUENT-COMPO	SAM	10/15/25 14:33		Iwona	OK
16	Q3345-07	TANK-FARM-WATER	SAM	10/15/25 14:33		Iwona	OK
17	Q3345-07DUP	TANK-FARM-WATER	DUP	10/15/25 14:34		Iwona	OK
18	Q3345-07MS	TANK-FARM-WATER	MS	10/15/25 14:34		Iwona	OK

Instrument ID: SPECTROPHOTOMETER-2

Daily Analysis Runlog For Sequence/QC Batch ID # LB137541

Review By	Iwona	Review On	10/15/2025 2:45:04 PM
Supervise By	jignesh	Supervise On	10/15/2025 2:47:16 PM
SubDirectory	LB137541	Test	COD
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	WP114659,WP114658,WP114656,WP114655,WP114654,WP114661,WP114657,W3230,WP115210,WP115211,WP1		

19	Q3345-07MSD	TANK-FARM-WATER	MSD	10/15/25 14:35		Iwona	OK
20	Q3351-01	SW-1	SAM	10/15/25 14:35		Iwona	OK
21	Q3351-02	SW-2	SAM	10/15/25 14:36		Iwona	OK
22	CCV2	CCV2	CCV	10/15/25 14:36		Iwona	OK
23	CCB2	CCB2	CCB	10/15/25 14:37		Iwona	OK

Instrument ID: DO METER

Daily Analysis Runlog For Sequence/QC Batch ID # LB137545

Review By	rubina	Review On	10/21/2025 9:39:38 AM
Supervise By	Iwona	Supervise On	10/21/2025 10:46:06 AM
SubDirectory	LB137545	Test	BOD Soluble
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	WP115220,W3149,WP112832,W3103,W3109,W3248,WP115222,WP115221,WP113878		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	LB137545BL	LB137545BL	MB	10/15/25 17:10		rubina	OK
2	LB137545BS	LB137545BS	LCS	10/15/25 17:10		rubina	OK
3	LB137545BSD1	LB137545BSD1	LCS	10/15/25 17:10		rubina	OK
4	LB137545BSD2	LB137545BSD2	LCS	10/15/25 17:10		rubina	OK
5	Q3344-01	1 EFFLUENT-COMP	SAM	10/15/25 17:10	Due to bad matrix difference between highest and lowest results is >30% for	rubina	OK
6	Q3344-01DUP	1 EFFLUENT-COMP	DUP	10/15/25 17:10	Due to bad matrix difference between highest and lowest results is >30% for	rubina	OK

Instrument ID: DO METER

Daily Analysis Runlog For Sequence/QC Batch ID # LB137546

Review By	rubina	Review On	10/21/2025 9:39:36 AM
Supervise By	Iwona	Supervise On	10/21/2025 10:45:47 AM
SubDirectory	LB137546	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	WP115220,W3149,WP112832,W3103,W3109,W3248,WP115222,WP115221,WP113878		

Sr#	SampleID	ClientID	QcType	Date	Comment	Operator	Status
1	LB137546BL	LB137546BL	MB	10/15/25 17:10		rubina	OK
2	LB137546BS	LB137546BS	LCS	10/15/25 17:10		rubina	OK
3	Q3344-01	1 EFFLUENT-COMP	SAM	10/15/25 17:10	Due to bad matrix difference between highest and lowest results is >30% for	rubina	OK
4	Q3344-01DUP	1 EFFLUENT-COMP	DUP	10/15/25 17:10	Due to bad matrix difference between highest and lowest results is >30% for	rubina	OK
5	Q3345-07	TANK-FARM-WATER	SAM	10/15/25 17:10		rubina	OK

Instrument ID: WC SC-3

Daily Analysis Runlog For Sequence/QC Batch ID # LB137553

Review By	jignesh	Review On	10/16/2025 1:57:29 PM
Supervise By	Iwona	Supervise On	10/16/2025 2:57:43 PM
SubDirectory	LB137553	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	LB137553BL	LB137553BL	MB	10/16/25 09:35		jignesh	OK
2	LB137553BS	LB137553BS	LCS	10/16/25 09:35	55 mg W3186 + 100ML FOR W3112	jignesh	OK
3	Q3019-10	WP0925-PT-SOL-WP	SAM	10/16/25 09:35		jignesh	OK
4	Q3344-01	1 EFFLUENT-COMPO	SAM	10/16/25 09:35		jignesh	OK
5	Q3344-01DUP	1 EFFLUENT-COMPO	DUP	10/16/25 09:35		jignesh	OK
6	Q3345-07	TANK-FARM-WATER	SAM	10/16/25 09:35		jignesh	OK
7	Q3351-01	SW-1	SAM	10/16/25 09:35		jignesh	OK
8	Q3351-02	SW-2	SAM	10/16/25 09:35		jignesh	OK
9	Q3359-02	Comp	SAM	10/16/25 09:35		jignesh	OK

Instrument ID: WC SC-3

Daily Analysis Runlog For Sequence/QC Batch ID # LB137554

Review By	jignesh	Review On	10/16/2025 2:48:16 PM
Supervise By	Iwona	Supervise On	10/16/2025 2:57:14 PM
SubDirectory	LB137554	Test	TDS
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	LB137554BL	LB137554BL	MB	10/15/25 12:30		jignesh	OK
2	LB137554BS	LB137554BS	LCS	10/15/25 12:30	WP115238	jignesh	OK
3	Q3019-10	WP0925-PT-SOL-WP	SAM	10/15/25 12:30		jignesh	OK
4	Q3344-01	1 EFFLUENT-COMP	SAM	10/15/25 12:30		jignesh	OK
5	Q3344-01DUP	1 EFFLUENT-COMP	DUP	10/15/25 12:30		jignesh	OK

Instrument ID: WC SC-3

Daily Analysis Runlog For Sequence/QC Batch ID # LB137556

Review By	jignesh	Review On	10/16/2025 11:19:34 AM
Supervise By	Iwona	Supervise On	10/16/2025 2:55:18 PM
SubDirectory	LB137556	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	W3240,M6069,EP2646,WP115016,N/A,N/A,WP115017,N/A,WP115018		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	LB137556BL	LB137556BL	MB	10/15/25 09:45		jignesh	OK
2	LB137556BS	LB137556BS	LCS	10/15/25 09:45		jignesh	OK
3	Q3328-01	MH-10-10-25	SAM	10/15/25 09:45		jignesh	OK
4	Q3328-02	Q3328-01MS	MS	10/15/25 09:45		jignesh	OK
5	Q3328-03	Q3328-01MSD	MSD	10/15/25 09:45		jignesh	OK
6	Q3344-02	2 EFFLUENT-GRAB	SAM	10/15/25 09:45		jignesh	OK

Instrument ID: WC SC-3

Daily Analysis Runlog For Sequence/QC Batch ID # LB137557

Review By	jignesh	Review On	10/16/2025 12:21:55 PM
Supervise By	Iwona	Supervise On	10/16/2025 2:55:04 PM
SubDirectory	LB137557	Test	TPH
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	W3240,M6069,EP2652,WP115016,W3246,N/A,WP115017,WP115018,N/A		

Sr#	SampleID	ClientID	QcType	Date	Comment	Operator	Status
1	LB137557BL	LB137557BL	MB	10/16/25 09:35		jignesh	OK
2	LB137557BS	LB137557BS	LCS	10/16/25 09:35		jignesh	OK
3	LB137557BSD	LB137557BSD	LCSD	10/16/25 09:35		jignesh	OK
4	Q3316-01	GRAB	SAM	10/16/25 09:35		jignesh	OK
5	Q3328-01	MH-10-10-25	SAM	10/16/25 09:35		jignesh	OK
6	Q3344-02	2 EFFLUENT-GRAB	SAM	10/16/25 09:35		jignesh	OK
7	Q3345-07	TANK-FARM-WATER	SAM	10/16/25 09:35		jignesh	OK
8	Q3359-01	Grab	SAM	10/16/25 09:35		jignesh	OK

Instrument ID: SPECTROPHOTOMETER-1

Daily Analysis Runlog For Sequence/QC Batch ID # LB137597

Review By	Iwona	Review On	10/21/2025 11:49:15 AM
Supervise By	jignesh	Supervise On	10/21/2025 11:57:27 AM
SubDirectory	LB137597	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	WP115259,WP115258,WP115257,WP115256,WP115255,WP115254,WP115261,WP112831,WP115264,WP113378,V		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	CAL1	CAL1	CAL	10/21/25 11:20		Iwona	OK
2	CAL2	CAL2	CAL	10/21/25 11:20		Iwona	OK
3	CAL3	CAL3	CAL	10/21/25 11:21		Iwona	OK
4	CAL4	CAL4	CAL	10/21/25 11:21		Iwona	OK
5	CAL5	CAL5	CAL	10/21/25 11:22		Iwona	OK
6	CAL6	CAL6	CAL	10/21/25 11:22		Iwona	OK
7	ICV	ICV	ICV	10/21/25 11:23		Iwona	OK
8	ICB	ICB	ICB	10/21/25 11:23		Iwona	OK
9	CCV1	CCV1	CCV	10/21/25 11:24		Iwona	OK
10	CCB1	CCB1	CCB	10/21/25 11:24		Iwona	OK
11	RL Check	RL Check	RL	10/21/25 11:25		Iwona	OK
12	PB170160BL	PB170160BL	MB	10/21/25 11:25		Iwona	OK
13	PB170160BS	PB170160BS	LCS	10/21/25 11:26		Iwona	OK
14	Q3344-01	1 EFFLUENT-COMPO	SAM	10/21/25 11:26		Iwona	OK
15	Q3344-01DUP	1 EFFLUENT-COMPO	DUP	10/21/25 11:27		Iwona	OK
16	Q3344-01MS	1 EFFLUENT-COMPO	MS	10/21/25 11:27		Iwona	OK
17	Q3344-01MSD	1 EFFLUENT-COMPO	MSD	10/21/25 11:28		Iwona	OK
18	Q3344-01DL	1 EFFLUENT-COMPO	SAM	10/21/25 11:28		Iwona	OK

Instrument ID: SPECTROPHOTOMETER-1

Daily Analysis Runlog For Sequence/QC Batch ID # LB137597

Review By	Iwona	Review On	10/21/2025 11:49:15 AM
Supervise By	jignesh	Supervise On	10/21/2025 11:57:27 AM
SubDirectory	LB137597	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	WP115259,WP115258,WP115257,WP115256,WP115255,WP115254,WP115261,WP112831,WP115264,WP113378,V		

19	Q3344-01DUP	1 EFFLUENT-COMP	DUP	10/21/25 11:29		Iwona	OK
20	Q3344-01MS	1 EFFLUENT-COMP	MS	10/21/25 11:29		Iwona	OK
21	CCV2	CCV2	CCV	10/21/25 11:30		Iwona	OK
22	CCB2	CCB2	CCB	10/21/25 11:30		Iwona	OK
23	Q3344-01MSD	1 EFFLUENT-COMP	MSD	10/21/25 11:31		Iwona	OK
24	CCV3	CCV3	CCV	10/21/25 11:31		Iwona	OK
25	CCB3	CCB3	CCB	10/21/25 11:32		Iwona	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 Number WTP Final Effluent 10/2025

23344

CLIENT INFORMATION		PROJECT INFORMATION		BILLING INFORMATION	
Report to be sent to		PROJECT NAME: Waste Treatment Plant		BILL TO: PO#	
COMPANY: Mars Chocolate North America, LLC		PROJECT #: Bottle # B2506048 LOCATION:		ADDRESS:	
ADDRESS: 700 High Street		Project Manager: Jeff Kram		CITY: STATE: ZIP:	
CITY: Hackettstown STATE: NJ ZIP: 07840		EMAIL Address: jeffery.kram@effem.com		ATTENTION:	
ATTENTION: Anthony Fosco EMAIL: anthony.fosco@effem.com		Telephone # 908-736-6742 FAX: 908-850-7923		PHONE:	
PHONE: 908-850-2446 FAX: 908-850-2734					

DATA TURNAROUND INFORMATION		DATA DELIVERABLE INFORMATION		ANALYSIS																												
FAX: <u>5</u> DAYS*		☐ RESEULTS ONLY ☐ USEPA CLP		<table border="1"> <thead> <tr> <th>BOD 5</th> <th>TSS, TDS</th> <th>Oil & Grease</th> <th>Ammonia-N Total</th> <th>Phosphorus Total, COD</th> <th>BOD Soluble</th> <th>Color</th> <th>TPH</th> <th></th> <th></th> </tr> </thead> <tbody> <tr> <td>1</td> <td>2</td> <td>3</td> <td>4</td> <td>5</td> <td>6</td> <td>7</td> <td>8</td> <td>9</td> <td></td> </tr> </tbody> </table>									BOD 5	TSS, TDS	Oil & Grease	Ammonia-N Total	Phosphorus Total, COD	BOD Soluble	Color	TPH			1	2	3	4	5	6	7	8	9	
BOD 5	TSS, TDS	Oil & Grease	Ammonia-N Total										Phosphorus Total, COD	BOD Soluble	Color	TPH																
1	2	3	4										5	6	7	8	9															
HARD COPY: DAYS*		☐ RESULTS * QC ☐ New York State ASP "B"																														
EDD DAYS*		☒ New Jersey REDUCED ☐ New York State ASP "A"																														
* TO BE APPROVED BY CHEMTECH		☒ New Jersey CLP ☐ Other																														
STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS		☐ EDD FORMAT None																														

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	E TYPE		SAMPLE COLLECTION		# of Bottles	PRESERVATIVES									COMMENTS	
			COMP	GRAB	DATE	TIME		E	E	C	C	C	E	E	C			
1	Effluent Composite	Waste Water	X		10.14.2025	5:00	11	X	X		X	X	X	X			A-HCl	B-
2	Effluent Grab	Waste Water		X	10.14.2025	5:00	3			X					X		HNO3	
																	C-H2SO4	D-NaOH
																	E-ICE	F-OTHER

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

RELINQUISHED BY SAMPLER	DATE/TIME 1220	RECEIVED BY	Conditions of bottles or collers at receipt: → COMPLIANT → NON COMPLIANT → COOLER TEMP 1.7°C
1. Joe Pinto	10-14-25	1. [Signature] 10-14-25	MeOH extraction requires an additional 4oz. Jar for percent solid
RELINQUISHED BY	DATE/TIME	RECEIVED BY	Comments:
2.		2.	Samples collected by Joe Pinto
RELINQUISHED BY	DATE/TIME 1710	RECEIVED FOR LAB BY	SHIPPED VIA:
3. [Signature]	10-14-25	3.	CHEMTECH: → Picked Up
			Shipment Complete YES

WHITE - CHEMTECH COPY FOR RETURN TO CLIENT

YELLOW - CHEMTECH COPY

PINK - SAMPLER COPY

#

Laboratory Certification

Certified By	License No.
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255425
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	TX-C25-00189
Virginia	460312