



SAMPLE DATA

Report of Analysis

Client:	VERINA CONSULTING GROUP, LLC	Date Collected:	04/03/25 10:32
Project:	Rotor Clip NJ WTD - 2025	Date Received:	04/03/25
Client Sample ID:	WATER TREATMENT DISCHARGE	SDG No.:	Q1715
Lab Sample ID:	Q1715-01	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Ammonia as N	0.040	J	1	0.030	0.10	mg/L	04/09/25 10:00	04/09/25 11:46	SM 4500-NH3 B plus G-11
Residual Chlorine	0.052	HJ	1	0.023	0.10	mg/L		04/04/25 09:36	SM 4500-Cl 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



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

Initial and Continuing Calibration Verification

Client: VERINA CONSULTING GROUP, LLC

SDG No.: Q1715

Project: Rotor Clip NJ WTD - 2025

RunNo.: LB135301

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV Residual Chlorine	mg/L	0.395	0.4	99	90-110	04/04/2025
Sample ID: CCV1 Residual Chlorine	mg/L	0.405	0.4	101	90-110	04/04/2025
Sample ID: CCV2 Residual Chlorine	mg/L	0.395	0.4	99	90-110	04/04/2025

Initial and Continuing Calibration Verification

Client: VERINA CONSULTING GROUP, LLC

SDG No.: Q1715

Project: Rotor Clip NJ WTD - 2025

RunNo.: LB135357

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV1 Ammonia as N	mg/L	0.95	1	95	90-110	04/09/2025
Sample ID: CCV1 Ammonia as N	mg/L	0.96	1	96	90-110	04/09/2025
Sample ID: CCV2 Ammonia as N	mg/L	1	1	100	90-110	04/09/2025
Sample ID: CCV3 Ammonia as N	mg/L	0.99	1	99	90-110	04/09/2025

Initial and Continuing Calibration Blank Summary

Client: VERINA CONSULTING GROUP, LLC

SDG No.: Q1715

Project: Rotor Clip NJ WTD - 2025

RunNo.: LB135301

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: ICB Residual Chlorine	mg/L	< 0.0500	0.0500	U	0.023	0.1	04/04/2025
Sample ID: CCB1 Residual Chlorine	mg/L	< 0.0500	0.0500	U	0.023	0.1	04/04/2025
Sample ID: CCB2 Residual Chlorine	mg/L	< 0.0500	0.0500	U	0.023	0.1	04/04/2025

Initial and Continuing Calibration Blank Summary

Client: VERINA CONSULTING GROUP, LLC

SDG No.: Q1715

Project: Rotor Clip NJ WTD - 2025

RunNo.: LB135357

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	04/09/2025
Sample ID: CCB1 Ammonia as N	mg/L	< 0.0500	0.0500	U	0.030	0.1	04/09/2025
Sample ID: CCB2 Ammonia as N	mg/L	< 0.0500	0.0500	U	0.030	0.1	04/09/2025
Sample ID: CCB3 Ammonia as N	mg/L	< 0.0500	0.0500	U	0.030	0.1	04/09/2025

Preparation Blank Summary

Client: VERINA CONSULTING GROUP, LLC

SDG No.: Q1715

Project: Rotor Clip NJ WTD - 2025

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: LB135301BL							
Residual Chlorine	mg/L	< 0.0500	0.0500	U	0.023	0.1	04/04/2025
Sample ID: PB167481BL							
Ammonia as N	mg/L	< 0.0500	0.0500	U	0.03	0.1	04/09/2025

Matrix Spike Summary

Client:	VERINA CONSULTING GROUP, LLC	SDG No.:	Q1715
Project:	Rotor Clip NJ WTD - 2025	Sample ID:	Q1715-01
Client ID:	WATER TREATMENT DISCHARGEMS	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
Residual Chlorine	mg/L	71-148	0.41		0.052	J	0.4	1	88		04/04/2025
Ammonia as N	mg/L	75-125	0.96		0.040	J	1	1	92		04/09/2025

Matrix Spike Summary

Client:	VERINA CONSULTING GROUP, LLC	SDG No.:	Q1715
Project:	Rotor Clip NJ WTD - 2025	Sample ID:	Q1715-01
Client ID:	WATER TREATMENT DISCHARGEMSD	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
Residual Chlorine	mg/L	71-148	0.41		0.052	J	0.4	1	88		04/04/2025
Ammonia as N	mg/L	75-125	0.96		0.040	J	1	1	92		04/09/2025

Duplicate Sample Summary

Client:	VERINA CONSULTING GROUP, LLC	SDG No.:	Q1715
Project:	Rotor Clip NJ WTD - 2025	Sample ID:	Q1715-01
Client ID:	WATER TREATMENT DISCHARGEDUP	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
Residual Chlorine	mg/L	+/-20	0.052	J	0.052	J	1	0		04/04/2025
Ammonia as N	mg/L	+/-20	0.040	J	0.038	J	1	5		04/09/2025

Duplicate Sample Summary

Client:	VERINA CONSULTING GROUP, LLC	SDG No.:	Q1715
Project:	Rotor Clip NJ WTD - 2025	Sample ID:	Q1715-01
Client ID:	WATER TREATMENT DISCHARGEMSD	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
Residual Chlorine	mg/L	+/-20	0.41		0.41		1	0		04/04/2025
Ammonia as N	mg/L	+/-20	0.96		0.96		1	0		04/09/2025

Laboratory Control Sample Summary

Client:	VERINA CONSULTING GROUP, LLC	SDG No.:	Q1715
Project:	Rotor Clip NJ WTD - 2025	Run No.:	LB135301

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LB135301BS							
Residual Chlorine	mg/L	0.4	0.40		99	1	90-110	04/04/2025

Laboratory Control Sample Summary

Client:	VERINA CONSULTING GROUP, LLC	SDG No.:	Q1715
Project:	Rotor Clip NJ WTD - 2025	Run No.:	LB135357

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	PB167481BS							
Ammonia as N	mg/L	1	0.96		96	1	90-110	04/09/2025

Instrument ID: SPECTROPHOTOMETER-1

Daily Analysis Runlog For Sequence/QC Batch ID # LB135301

Review By	Niha	Review On	4/4/2025 12:55:28 PM
Supervise By	Iwona	Supervise On	4/4/2025 1:30:18 PM
SubDirectory	LB135301	Test	Residual Chlorine
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	WP112595,WP112589,WP112590,WP112591,WP112588,WP112592,WP112593,W3147		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	CAL1	CAL1	CAL	04/04/25 09:00		Niha	OK
2	CAL2	CAL2	CAL	04/04/25 09:03		Niha	OK
3	CAL3	CAL3	CAL	04/04/25 09:06		Niha	OK
4	CAL4	CAL4	CAL	04/04/25 09:09		Niha	OK
5	CAL5	CAL5	CAL	04/04/25 09:12		Niha	OK
6	CAL6	CAL6	CAL	04/04/25 09:15		Niha	OK
7	ICV	ICV	ICV	04/04/25 09:18		Niha	OK
8	ICB	ICB	ICB	04/04/25 09:21		Niha	OK
9	CCV1	CCV1	CCV	04/04/25 09:24		Niha	OK
10	CCB1	CCB1	CCB	04/04/25 09:27		Niha	OK
11	LB135301BL	LB135301BL	MB	04/04/25 09:30		Niha	OK
12	LB135301BS	LB135301BS	LCS	04/04/25 09:33		Niha	OK
13	Q1715-01	WATER TREATMENT	SAM	04/04/25 09:36		Niha	OK
14	Q1715-01DUP	WATER TREATMENT	DUP	04/04/25 09:39		Niha	OK
15	Q1715-01MS	WATER TREATMENT	MS	04/04/25 09:42		Niha	OK
16	Q1715-01MSD	WATER TREATMENT	MSD	04/04/25 09:45		Niha	OK
17	CCV2	CCV2	CCV	04/04/25 09:48		Niha	OK
18	CCB2	CCB2	CCB	04/04/25 09:51		Niha	OK

Instrument ID: KONELAB

Daily Analysis Runlog For Sequence/QC Batch ID # LB135357

Review By	rubina	Review On	4/9/2025 3:10:34 PM
Supervise By	Iwona	Supervise On	4/9/2025 3:11:38 PM
SubDirectory	LB135357	Test	Ammonia
STD. NAME	STD REF.#		
ICAL Standard	WP112644		
ICV Standard	WP112646		
CCV Standard	WP112645		
ICSA Standard	N/A		
CRI Standard	N/A		
LCS Standard	WP112614		
Chk Standard	WP112537,WP111745,WP111385,WP111660		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	0.0PPM	0.0PPM	CAL1	04/09/25 11:04		rubina	OK
2	0.1PPM	0.1PPM	CAL2	04/09/25 11:04		rubina	OK
3	0.2PPM	0.2PPM	CAL3	04/09/25 11:04		rubina	OK
4	0.4PPM	0.4PPM	CAL4	04/09/25 11:04		rubina	OK
5	1.0PPM	1.0PPM	CAL5	04/09/25 11:04		rubina	OK
6	1.3PPM	1.3PPM	CAL6	04/09/25 11:04		rubina	OK
7	2.0PPM	2.0PPM	CAL7	04/09/25 11:04		rubina	OK
8	ICV1	ICV1	ICV	04/09/25 11:35		rubina	OK
9	ICB1	ICB1	ICB	04/09/25 11:35		rubina	OK
10	CCV1	CCV1	CCV	04/09/25 11:35		rubina	OK
11	CCB1	CCB1	CCB	04/09/25 11:35		rubina	OK
12	RL	RL	SAM	04/09/25 11:35		rubina	OK
13	PB167481BL	PB167481BL	MB	04/09/25 11:35		rubina	OK
14	PB167481BS	PB167481BS	LCS	04/09/25 11:46		rubina	OK
15	Q1715-01	WATER TREATMENT	SAM	04/09/25 11:46		rubina	OK
16	Q1715-01DUP	WATER TREATMENT	DUP	04/09/25 11:46		rubina	OK
17	Q1715-01MS	WATER TREATMENT	MS	04/09/25 11:46		rubina	OK
18	Q1715-01MSD	WATER TREATMENT	MSD	04/09/25 11:46		rubina	OK

Instrument ID: KONELAB

Daily Analysis Runlog For Sequence/QC Batch ID # LB135357

Review By	rubina	Review On	4/9/2025 3:10:34 PM
Supervise By	Iwona	Supervise On	4/9/2025 3:11:38 PM
SubDirectory	LB135357	Test	Ammonia
STD. NAME	STD REF.#		
ICAL Standard	WP112644		
ICV Standard	WP112646		
CCV Standard	WP112645		
ICSA Standard	N/A		
CRI Standard	N/A		
LCS Standard	WP112614		
Chk Standard	WP112537,WP111745,WP111385,WP111660		

19	Q1717-01	EFFLUENT	SAM	04/09/25 11:46	High	rubina	Dilution
20	Q1717-05	INFLUENT	SAM	04/09/25 11:53	High	rubina	Dilution
21	CCV2	CCV2	CCV	04/09/25 11:53		rubina	OK
22	CCB2	CCB2	CCB	04/09/25 11:53		rubina	OK
23	Q1717-01DL	EFFLUENTDL	SAM	04/09/25 12:21	Report 10X	rubina	Confirms
24	Q1717-05DL	INFLUENTDL	SAM	04/09/25 12:21	Report 2X	rubina	Confirms
25	CCV3	CCV3	CCV	04/09/25 12:21		rubina	OK
26	CCB3	CCB3	CCB	04/09/25 12:21		rubina	OK

LAB CHRONICLE

OrderID:	Q1715	OrderDate:	4/3/2025 12:01:00 PM
Client:	VERINA CONSULTING GROUP, LLC	Project:	Rotor Clip NJ WTD - 2025
Contact:	Michael Valenzi	Location:	F11

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1715-01	WATER TREATMENT DISCHARGE	WATER			04/03/25 10:32			04/03/25
			Ammonia	SM4500-NH3		04/09/25	04/09/25 11:46	
			Residual Chlorine	SM4500 Cl G			04/04/25 09:36	

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

SDG No : N/A

Start Digest Date: 04/09/2025 Time : 10:00 Temp : 150 °C

Matrix : WATER

End Digest Date: 04/09/2025 Time : 11:00 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: 12

Standardized Name	MLS USED	STD REF. # FROM LOG
LCSW	1.0ML	WP112614
MS/MSD SPIKE SOL.	1.0ML	WP112613
PBW	50.0ML	W3112
RL CHECK	0.1ML	WP112613
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

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 P1717-01 and P1717-05.

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
04/09/2025 11:10	RM (WC)	RM (WC)
	Preparation Group	Analysis Group

Lab Sample ID	Client Sample ID	Initial Vol (ml)	Final Vol (ml)	pH	Sulfide	Oxidizing	Nitrate/ Nitrite	Comment	Prep Pos
PB167481BL	PBW481	50	50	N/A	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
PB167481BS	LCS481	50	50	N/A	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
Q1715-01DUP	WATER TREATMENT DISCHARGEDUP	50	50	N/A	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
Q1715-01MS	WATER TREATMENT DISCHARGEMS	50	50	N/A	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
Q1715-01MSD	WATER TREATMENT DISCHARGEMSD	50	50	N/A	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
Q1715-01	WATER TREATMENT DISCHARGE	50	50	N/A	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
Q1717-01	EFFLUENT	1	50	N/A	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
Q1717-05	INFLUENT	1	50	N/A	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A