



SAMPLE DATA

Report of Analysis

Client:	VERINA CONSULTING GROUP, LLC	Date Collected:	10/02/25 10:15
Project:	Rotor Clip NJ WTD - 2025	Date Received:	10/02/25
Client Sample ID:	WATER-TREATMENT-DISCHARGE	SDG No.:	Q3268
Lab Sample ID:	Q3268-01	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Ammonia as N	0.64		1	0.030	0.10	mg/L	10/02/25 14:10	10/03/25 10:40	SM 4500-NH3 B plus G-21
Residual Chlorine	0.18	H	1	0.023	0.10	mg/L		10/02/25 14:09	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.: Q3268

Project: Rotor Clip NJ WTD - 2025

RunNo.: LB137395

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV Residual Chlorine	mg/L	0.417	0.4	104	90-110	10/02/2025
Sample ID: CCV1 Residual Chlorine	mg/L	0.377	0.4	94	90-110	10/02/2025
Sample ID: CCV2 Residual Chlorine	mg/L	0.387	0.4	97	90-110	10/02/2025

Initial and Continuing Calibration Verification

Client: VERINA CONSULTING GROUP, LLC

SDG No.: Q3268

Project: Rotor Clip NJ WTD - 2025

RunNo.: LB137417

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV1 Ammonia as N	mg/L	0.98	1	98	90-110	10/03/2025
Sample ID: CCV1 Ammonia as N	mg/L	0.97	1	97	90-110	10/03/2025
Sample ID: CCV2 Ammonia as N	mg/L	0.97	1	97	90-110	10/03/2025
Sample ID: CCV3 Ammonia as N	mg/L	1	1	100	90-110	10/03/2025
Sample ID: CCV4 Ammonia as N	mg/L	0.98	1	98	90-110	10/03/2025



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Initial and Continuing Calibration Blank Summary

Client: VERINA CONSULTING GROUP, LLC

SDG No.: Q3268

Project: Rotor Clip NJ WTD - 2025

RunNo.: LB137395

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	10/02/2025
Sample ID: CCB1 Residual Chlorine	mg/L	< 0.0500	0.0500	U	0.023	0.1	10/02/2025
Sample ID: CCB2 Residual Chlorine	mg/L	< 0.0500	0.0500	U	0.023	0.1	10/02/2025

Initial and Continuing Calibration Blank Summary

Client: VERINA CONSULTING GROUP, LLC

SDG No.: Q3268

Project: Rotor Clip NJ WTD - 2025

RunNo.: LB137417

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	10/03/2025
Sample ID: CCB1 Ammonia as N	mg/L	< 0.0500	0.0500	U	0.030	0.1	10/03/2025
Sample ID: CCB2 Ammonia as N	mg/L	< 0.0500	0.0500	U	0.030	0.1	10/03/2025
Sample ID: CCB3 Ammonia as N	mg/L	< 0.0500	0.0500	U	0.030	0.1	10/03/2025
Sample ID: CCB4 Ammonia as N	mg/L	< 0.0500	0.0500	U	0.030	0.1	10/03/2025

Preparation Blank Summary

Client: VERINA CONSULTING GROUP, LLC

SDG No.: Q3268

Project: Rotor Clip NJ WTD - 2025

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: LB137395BL							
Residual Chlorine	mg/L	< 0.0500	0.0500	U	0.023	0.1	10/02/2025
Sample ID: PB169946BL							
Ammonia as N	mg/L	< 0.0500	0.0500	U	0.03	0.1	10/03/2025

Matrix Spike Summary

Client:	VERINA CONSULTING GROUP, LLC	SDG No.:	Q3268
Project:	Rotor Clip NJ WTD - 2025	Sample ID:	Q3263-02
Client ID:	266380MS	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	1.00		0.030	U	1	1	100		10/03/2025

Matrix Spike Summary

Client:	VERINA CONSULTING GROUP, LLC	SDG No.:	Q3268
Project:	Rotor Clip NJ WTD - 2025	Sample ID:	Q3263-02
Client ID:	266380MSD	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	1.00		0.030	U	1	1	100		10/03/2025

Matrix Spike Summary

Client:	VERINA CONSULTING GROUP, LLC	SDG No.:	Q3268
Project:	Rotor Clip NJ WTD - 2025	Sample ID:	Q3268-01
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	0.57		0.18		0.4	1	96		10/02/2025

Matrix Spike Summary

Client:	VERINA CONSULTING GROUP, LLC	SDG No.:	Q3268
Project:	Rotor Clip NJ WTD - 2025	Sample ID:	Q3268-01
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	0.56		0.18		0.4	1	94		10/02/2025

Duplicate Sample Summary

Client:	VERINA CONSULTING GROUP, LLC	SDG No.:	Q3268
Project:	Rotor Clip NJ WTD - 2025	Sample ID:	Q3263-02
Client ID:	266380DUP	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	0.030	U	0.030	U	1	0		10/03/2025

Duplicate Sample Summary

Client:	VERINA CONSULTING GROUP, LLC	SDG No.:	Q3268
Project:	Rotor Clip NJ WTD - 2025	Sample ID:	Q3263-02
Client ID:	266380MSD	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	1.00		1.00		1	0		10/03/2025

Duplicate Sample Summary

Client:	VERINA CONSULTING GROUP, LLC	SDG No.:	Q3268
Project:	Rotor Clip NJ WTD - 2025	Sample ID:	Q3268-01
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	0.18		0.17		1	5.59		10/02/2025

Duplicate Sample Summary

Client:	VERINA CONSULTING GROUP, LLC	SDG No.:	Q3268
Project:	Rotor Clip NJ WTD - 2025	Sample ID:	Q3268-01
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	0.57		0.56		1	1.77		10/02/2025

Laboratory Control Sample Summary

Client:	VERINA CONSULTING GROUP, LLC	SDG No.:	Q3268
Project:	Rotor Clip NJ WTD - 2025	Run No.:	LB137395

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LB137395BS							
Residual Chlorine	mg/L	0.4	0.41		102	1	90-110	10/02/2025

Laboratory Control Sample Summary

Client:	VERINA CONSULTING GROUP, LLC	SDG No.:	Q3268
Project:	Rotor Clip NJ WTD - 2025	Run No.:	LB137417

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	PB169946BS							
Ammonia as N	mg/L	1	1.00		100	1	90-110	10/03/2025

Instrument ID: SPECTROPHOTOMETER-1

Daily Analysis Runlog For Sequence/QC Batch ID # LB137395

Review By	Iwona	Review On	10/2/2025 2:40:07 PM
Supervise By	jignesh	Supervise On	10/2/2025 2:41:51 PM
SubDirectory	LB137395	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	WP115030,WP115025,WP115026,WP115028,WP115024,WP115029,WP115027,W3147		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	CAL1	CAL1	CAL	10/02/25 13:30		Iwona	OK
2	CAL2	CAL2	CAL	10/02/25 13:33		Iwona	OK
3	CAL3	CAL3	CAL	10/02/25 13:36		Iwona	OK
4	CAL4	CAL4	CAL	10/02/25 13:40		Iwona	OK
5	CAL5	CAL5	CAL	10/02/25 13:43		Iwona	OK
6	CAL6	CAL6	CAL	10/02/25 13:46		Iwona	OK
7	ICV	ICV	ICV	10/02/25 13:50		Iwona	OK
8	ICB	ICB	ICB	10/02/25 13:53		Iwona	OK
9	CCV1	CCV1	CCV	10/02/25 13:56		Iwona	OK
10	CCB1	CCB1	CCB	10/02/25 14:00		Iwona	OK
11	LB137395BL	LB137395BL	MB	10/02/25 14:03		Iwona	OK
12	LB137395BS	LB137395BS	LCS	10/02/25 14:06		Iwona	OK
13	Q3268-01	WATER-TREATMENT	SAM	10/02/25 14:09		Iwona	OK
14	Q3268-01DUP	WATER-TREATMENT	DUP	10/02/25 14:12		Iwona	OK
15	Q3268-01MS	WATER-TREATMENT	MS	10/02/25 14:15		Iwona	OK
16	Q3268-01MSD	WATER-TREATMENT	MSD	10/02/25 14:18		Iwona	OK
17	CCV2	CCV2	CCV	10/02/25 14:21		Iwona	OK
18	CCB2	CCB2	CCB	10/02/25 14:24		Iwona	OK

Instrument ID: KONELAB

Daily Analysis Runlog For Sequence/QC Batch ID # LB137417

Review By	rubina	Review On	10/3/2025 1:41:40 PM
Supervise By	Iwona	Supervise On	10/3/2025 4:37:40 PM
SubDirectory	LB137417	Test	Ammonia
STD. NAME	STD REF.#		
ICAL Standard	WP115036		
ICV Standard	WP115038		
CCV Standard	WP115037		
ICSA Standard	N/A		
CRI Standard	N/A		
LCS Standard	WP114786		
Chk Standard	WP114799,WP114133,WP113929,WP114132		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	0.0PPM	0.0PPM	CAL1	10/03/25 09:28		rubina	OK
2	0.1PPM	0.1PPM	CAL2	10/03/25 09:28		rubina	OK
3	0.2PPM	0.2PPM	CAL3	10/03/25 09:28		rubina	OK
4	0.4PPM	0.4PPM	CAL4	10/03/25 09:28		rubina	OK
5	1.0PPM	1.0PPM	CAL5	10/03/25 09:28		rubina	OK
6	1.3PPM	1.3PPM	CAL6	10/03/25 09:28		rubina	OK
7	2.0PPM	2.0PPM	CAL7	10/03/25 09:28		rubina	OK
8	ICV1	ICV1	ICV	10/03/25 10:18		rubina	OK
9	ICB1	ICB1	ICB	10/03/25 10:18		rubina	OK
10	CCV1	CCV1	CCV	10/03/25 10:18		rubina	OK
11	CCB1	CCB1	CCB	10/03/25 10:18		rubina	OK
12	RL	RL	LOQ	10/03/25 10:18		rubina	OK
13	PB169946BL	PB169946BL	MB	10/03/25 10:29		rubina	OK
14	PB169946BS	PB169946BS	LCS	10/03/25 10:29		rubina	OK
15	Q3254-01	MW-1	SAM	10/03/25 10:29		rubina	OK
16	Q3254-03	MW-2	SAM	10/03/25 10:29	NH3 is high , need dilution	rubina	Dilution
17	Q3254-05	MW-3	SAM	10/03/25 10:29	NH3 is high , need dilution	rubina	Dilution
18	Q3254-07	MW-4	SAM	10/03/25 10:29	NH3 is high , need dilution	rubina	Dilution

Instrument ID: KONELAB

Daily Analysis Runlog For Sequence/QC Batch ID # LB137417

Review By	rubina	Review On	10/3/2025 1:41:40 PM
Supervise By	Iwona	Supervise On	10/3/2025 4:37:40 PM
SubDirectory	LB137417	Test	Ammonia
STD. NAME	STD REF.#		
ICAL Standard	WP115036		
ICV Standard	WP115038		
CCV Standard	WP115037		
ICSA Standard	N/A		
CRI Standard	N/A		
LCS Standard	WP114786		
Chk Standard	WP114799,WP114133,WP113929,WP114132		

19	Q3258-06	COMPOSITE	SAM	10/03/25 10:29		rubina	OK
20	Q3263-01	251818	SAM	10/03/25 10:29		rubina	OK
21	Q3263-02	266380	SAM	10/03/25 10:29		rubina	OK
22	CCV2	CCV2	CCV	10/03/25 10:39		rubina	OK
23	CCB2	CCB2	CCB	10/03/25 10:39		rubina	OK
24	Q3263-02DUP	266380DUP	DUP	10/03/25 10:39		rubina	OK
25	Q3263-02MS	266380MS	MS	10/03/25 10:39		rubina	OK
26	Q3263-02MSD	266380MSD	MSD	10/03/25 10:40		rubina	OK
27	Q3268-01	WATER-TREATMENT	SAM	10/03/25 10:40		rubina	OK
28	CCV3	CCV3	CCV	10/03/25 10:46		rubina	OK
29	CCB3	CCB3	CCB	10/03/25 10:46		rubina	OK
30	Q3254-03DL	MW-2DL	SAM	10/03/25 11:10	10X For NH3	rubina	Confirms
31	Q3254-05DL	MW-3DL	SAM	10/03/25 11:10	5X For NH3	rubina	Confirms
32	Q3254-07DL	MW-4DL	SAM	10/03/25 11:10	10X For NH3	rubina	Confirms
33	CCV4	CCV4	CCV	10/03/25 11:10		rubina	OK
34	CCB4	CCB4	CCB	10/03/25 11:10		rubina	OK

LAB CHRONICLE

OrderID:	Q3268	OrderDate:	10/2/2025 12:46:00 PM
Client:	VERINA CONSULTING GROUP, LLC	Project:	Rotor Clip NJ WTD - 2025
Contact:	Michael Valenzi	Location:	D31

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3268-01	WATER-TREATMENT-D ISCHARGE	WATER			10/02/25 10:15			10/02/25
			Ammonia	SM4500-NH3		10/02/25	10/03/25 10:40	
			Residual Chlorine	SM4500 Cl G			10/02/25 14:09	

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

SDG No : N/A

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

Matrix : WATER

End Digest Date: 10/02/2025 Time : 15:10 Temp : 160 °C

Pipette ID : WC

π batch
10/02/2025 15:45 150°C
10/02/2025 16:45 160°C

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: *RH*

Weigh By : N/A

pH Meter ID : N/A

Supervisor Signature: *12*

Standard Name	MLS USED	STD REF. # FROM LOG
LCSW	1.0ML	WP114786
MS/MSD SPIKE SOL.	1.0ML	WP114785
PBW	50.0ML	W3112
RL CHECK	0.1ML	WP114785
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,

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
10/02/2025 17:00	<i>RH (WC)</i>	<i>RH (WC)</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
PB169946BL	PBW946	50	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
PB169946BS	LCS946	50	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
Q3254-01	MW-1	50	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
Q3254-03	MW-2	50	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
Q3254-05	MW-3	50	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
Q3254-07	MW-4	50	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
Q3258-06	COMPOSITE	50	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
Q3263-01	251818	50	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
Q3263-02	266380	50	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
Q3263-02DUP	266380DUP	50	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
Q3263-02MS	266380MS	50	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
Q3263-02MSD	266380MSD	50	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
Q3268-01	WATER-TREATMENT-DISCHAR GE	50	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A