



SAMPLE DATA

Report of Analysis

Client:	VERINA CONSULTING GROUP, LLC	Date Collected:	07/03/25 10:10
Project:	Rotor Clip NJ WTD - 2025	Date Received:	07/03/25
Client Sample ID:	WATER-TREATMENT DISCHARGE	SDG No.:	Q2512
Lab Sample ID:	Q2512-01	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Ammonia as N	2.20	OR	1	0.030	0.10	mg/L	07/08/25 15:50	07/09/25 10:36	SM 4500-NH3 B plus G-21
Residual Chlorine	0.023	HU	1	0.023	0.10	mg/L		07/03/25 15:21	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

Report of Analysis

Client:	VERINA CONSULTING GROUP, LLC	Date Collected:	07/03/25 10:10
Project:	Rotor Clip NJ WTD - 2025	Date Received:	07/03/25
Client Sample ID:	WATER-TREATMENT DISCHARGEDL	SDG No.:	Q2512
Lab Sample ID:	Q2512-01DL	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Ammonia as N	2.40	D	2	0.060	0.20	mg/L	07/08/25 15:50	07/09/25 11:04	SM 4500-NH3 B plus G-21

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.: Q2512

Project: Rotor Clip NJ WTD - 2025

RunNo.: LB136370

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV Residual Chlorine	mg/L	0.419	0.4	105	90-110	07/03/2025
Sample ID: CCV1 Residual Chlorine	mg/L	0.378	0.4	94	90-110	07/03/2025
Sample ID: CCV2 Residual Chlorine	mg/L	0.388	0.4	97	90-110	07/03/2025

Initial and Continuing Calibration Verification

Client: VERINA CONSULTING GROUP, LLC

SDG No.: Q2512

Project: Rotor Clip NJ WTD - 2025

RunNo.: LB136405

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV1 Ammonia as N	mg/L	0.99	1	99	90-110	07/09/2025
Sample ID: CCV1 Ammonia as N	mg/L	0.94	1	94	90-110	07/09/2025
Sample ID: CCV2 Ammonia as N	mg/L	0.96	1	96	90-110	07/09/2025
Sample ID: CCV3 Ammonia as N	mg/L	1	1	100	90-110	07/09/2025
Sample ID: CCV4 Ammonia as N	mg/L	0.96	1	96	90-110	07/09/2025
Sample ID: CCV5 Ammonia as N	mg/L	0.99	1	99	90-110	07/09/2025



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

Initial and Continuing Calibration Blank Summary

Client: VERINA CONSULTING GROUP, LLC

SDG No.: Q2512

Project: Rotor Clip NJ WTD - 2025

RunNo.: LB136370

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	07/03/2025
Sample ID: CCB1 Residual Chlorine	mg/L	< 0.0500	0.0500	U	0.023	0.1	07/03/2025
Sample ID: CCB2 Residual Chlorine	mg/L	< 0.0500	0.0500	U	0.023	0.1	07/03/2025

Initial and Continuing Calibration Blank Summary

Client: VERINA CONSULTING GROUP, LLC

SDG No.: Q2512

Project: Rotor Clip NJ WTD - 2025

RunNo.: LB136405

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	07/09/2025
Sample ID: CCB1 Ammonia as N	mg/L	< 0.0500	0.0500	U	0.030	0.1	07/09/2025
Sample ID: CCB2 Ammonia as N	mg/L	< 0.0500	0.0500	U	0.030	0.1	07/09/2025
Sample ID: CCB3 Ammonia as N	mg/L	< 0.0500	0.0500	U	0.030	0.1	07/09/2025
Sample ID: CCB4 Ammonia as N	mg/L	< 0.0500	0.0500	U	0.030	0.1	07/09/2025
Sample ID: CCB5 Ammonia as N	mg/L	< 0.0500	0.0500	U	0.030	0.1	07/09/2025

Preparation Blank Summary

Client: VERINA CONSULTING GROUP, LLC

SDG No.: Q2512

Project: Rotor Clip NJ WTD - 2025

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: LB136370BL							
Residual Chlorine	mg/L	< 0.0500	0.0500	U	0.023	0.1	07/03/2025
Sample ID: PB168758BL							
Ammonia as N	mg/L	< 0.0500	0.0500	U	0.03	0.1	07/09/2025

Matrix Spike Summary

Client:	VERINA CONSULTING GROUP, LLC	SDG No.:	Q2512
Project:	Rotor Clip NJ WTD - 2025	Sample ID:	Q2512-01
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	0.37		0.023	U	0.4	1	92		07/03/2025
Ammonia as N	mg/L	75-125	3.20	OR	2.20	OR	1	1	100		07/09/2025

Matrix Spike Summary

Client:	VERINA CONSULTING GROUP, LLC	SDG No.:	Q2512
Project:	Rotor Clip NJ WTD - 2025	Sample ID:	Q2512-01
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	0.38		0.023	U	0.4	1	94		07/03/2025
Ammonia as N	mg/L	75-125	3.10	OR	2.20	OR	1	1	90		07/09/2025

Duplicate Sample Summary

Client:	VERINA CONSULTING GROUP, LLC	SDG No.:	Q2512
Project:	Rotor Clip NJ WTD - 2025	Sample ID:	Q2512-01
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	0.023	U	0.023	U	1	0		07/03/2025
Ammonia as N	mg/L	+/-20	2.20	OR	2.30	OR	1	4		07/09/2025
Ammonia as N	mg/L	+/-20	2.40	D	2.40	D	2	0		07/09/2025

Duplicate Sample Summary

Client: VERINA CONSULTING GROUP, LLC	SDG No.: Q2512
Project: Rotor Clip NJ WTD - 2025	Sample ID: Q2512-01
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	0.37		0.38		1	2.68		07/03/2025
Ammonia as N	mg/L	+/-20	3.20	OR	3.10	OR	1	3		07/09/2025

Laboratory Control Sample Summary

Client:	VERINA CONSULTING GROUP, LLC	SDG No.:	Q2512
Project:	Rotor Clip NJ WTD - 2025	Run No.:	LB136370

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LB136370BS							
Residual Chlorine	mg/L	0.4	0.41		102	1	90-110	07/03/2025

Laboratory Control Sample Summary

Client:	VERINA CONSULTING GROUP, LLC	SDG No.:	Q2512
Project:	Rotor Clip NJ WTD - 2025	Run No.:	LB136405

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	PB168758BS							
Ammonia as N	mg/L	1	0.99		99	1	90-110	07/09/2025

Instrument ID: SPECTROPHOTOMETER-1

Daily Analysis Runlog For Sequence/QC Batch ID # LB136370

Review By	Iwona	Review On	7/3/2025 3:54:57 PM
Supervise By	jignesh	Supervise On	7/3/2025 3:56:09 PM
SubDirectory	LB136370	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	WP113800,WP113795,WP113796,WP113798,WP113794,WP113799,WP113797,W3147		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	CAL1	CAL1	CAL	07/03/25 14:45		Iwona	OK
2	CAL2	CAL2	CAL	07/03/25 14:48		Iwona	OK
3	CAL3	CAL3	CAL	07/03/25 14:51		Iwona	OK
4	CAL4	CAL4	CAL	07/03/25 14:54		Iwona	OK
5	CAL5	CAL5	CAL	07/03/25 14:57		Iwona	OK
6	CAL6	CAL6	CAL	07/03/25 15:00		Iwona	OK
7	ICV	ICV	ICV	07/03/25 15:03		Iwona	OK
8	ICB	ICB	ICB	07/03/25 15:06		Iwona	OK
9	CCV1	CCV1	CCV	07/03/25 15:09		Iwona	OK
10	CCB1	CCB1	CCB	07/03/25 15:12		Iwona	OK
11	LB136370BL	LB136370BL	MB	07/03/25 15:15		Iwona	OK
12	LB136370BS	LB136370BS	LCS	07/03/25 15:18		Iwona	OK
13	Q2512-01	WATER TREATMENT	SAM	07/03/25 15:21		Iwona	OK
14	Q2512-01DUP	WATER TREATMENT	DUP	07/03/25 15:24		Iwona	OK
15	Q2512-01MS	WATER TREATMENT	MS	07/03/25 15:27		Iwona	OK
16	Q2512-01MSD	WATER TREATMENT	MSD	07/03/25 15:30		Iwona	OK
17	CCV2	CCV2	CCV	07/03/25 15:33		Iwona	OK
18	CCB2	CCB2	CCB	07/03/25 15:37		Iwona	OK

Instrument ID: KONELAB

Daily Analysis Runlog For Sequence/QC Batch ID # LB136405

Review By	rubina	Review On	7/10/2025 12:27:55 PM
Supervise By	Iwona	Supervise On	7/10/2025 12:57:25 PM
SubDirectory	LB136405	Test	Ammonia
STD. NAME	STD REF.#		
ICAL Standard	WP113849		
ICV Standard	WP113850		
CCV Standard	WP113850		
ICSA Standard	N/A		
CRI Standard	N/A		
LCS Standard	WP113449		
Chk Standard	WP113852,WP111745,WP111385,WP111660		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	0.0PPM	0.0PPM	CAL1	07/09/25 09:20		rubina	OK
2	0.1PPM	0.1PPM	CAL2	07/09/25 09:20		rubina	OK
3	0.2PPM	0.2PPM	CAL3	07/09/25 09:20		rubina	OK
4	0.4PPM	0.4PPM	CAL4	07/09/25 09:21		rubina	OK
5	1.0PPM	1.0PPM	CAL5	07/09/25 09:21		rubina	OK
6	1.3PPM	1.3PPM	CAL6	07/09/25 09:21		rubina	OK
7	2.0PPM	2.0PPM	CAL7	07/09/25 09:21		rubina	OK
8	ICV1	ICV1	ICV	07/09/25 10:03		rubina	OK
9	ICB1	ICB1	ICB	07/09/25 10:03		rubina	OK
10	CCV1	CCV1	CCV	07/09/25 10:03		rubina	OK
11	CCB1	CCB1	CCB	07/09/25 10:03		rubina	OK
12	RL	RL	SAM	07/09/25 10:03		rubina	OK
13	PB168757BL	PB168757BL	MB	07/09/25 10:14		rubina	OK
14	PB168757BS	PB168757BS	LCS	07/09/25 10:14		rubina	OK
15	Q2487-09	G4(0-6)	SAM	07/09/25 10:14		rubina	OK
16	Q2487-09DUP	G4(0-6)DUP	DUP	07/09/25 10:14		rubina	OK
17	Q2487-09MS	G4(0-6)MS	MS	07/09/25 10:14		rubina	OK
18	Q2487-09MSD	G4(0-6)MSD	MSD	07/09/25 10:14		rubina	OK

Instrument ID: KONELAB

Daily Analysis Runlog For Sequence/QC Batch ID # LB136405

Review By	rubina	Review On	7/10/2025 12:27:55 PM
Supervise By	Iwona	Supervise On	7/10/2025 12:57:25 PM
SubDirectory	LB136405	Test	Ammonia
STD. NAME	STD REF.#		
ICAL Standard	WP113849		
ICV Standard	WP113850		
CCV Standard	WP113850		
ICSA Standard	N/A		
CRI Standard	N/A		
LCS Standard	WP113449		
Chk Standard	WP113852,WP111745,WP111385,WP111660		

19	Q2487-10	G4(6-12)	SAM	07/09/25 10:14		rubina	OK
20	Q2487-11	G3(0-6)	SAM	07/09/25 10:14		rubina	OK
21	Q2487-12	G3(6-12)	SAM	07/09/25 10:25		rubina	OK
22	CCV2	CCV2	CCV	07/09/25 10:25		rubina	OK
23	CCB2	CCB2	CCB	07/09/25 10:25		rubina	OK
24	Q2487-13	G2(0-6)	SAM	07/09/25 10:25		rubina	OK
25	Q2487-14	G2(6-12)	SAM	07/09/25 10:25		rubina	OK
26	Q2487-15	G1(0-6)	SAM	07/09/25 10:25		rubina	OK
27	Q2487-16	G1(6-12)	SAM	07/09/25 10:25		rubina	OK
28	PB168758BL	PB168758BL	MB	07/09/25 10:25		rubina	OK
29	PB168758BS	PB168758BS	LCS	07/09/25 10:36		rubina	OK
30	Q2512-01	WATER TREATMENT	SAM	07/09/25 10:36	High	rubina	Dilution
31	Q2512-01DUP	WATER TREATMENT	DUP	07/09/25 10:36	High	rubina	Dilution
32	Q2512-01MS	WATER TREATMENT	MS	07/09/25 10:36		rubina	OK
33	Q2512-01MSD	WATER TREATMENT	MSD	07/09/25 10:36		rubina	OK
34	CCV3	CCV3	CCV	07/09/25 10:36		rubina	OK
35	CCB3	CCB3	CCB	07/09/25 10:36		rubina	OK
36	Q2525-01	EFFLUENT-COMPOS	SAM	07/09/25 10:43		rubina	OK
37	CCV4	CCV4	CCV	07/09/25 10:43		rubina	OK
38	CCB4	CCB4	CCB	07/09/25 10:43		rubina	OK

Instrument ID: KONELAB

Daily Analysis Runlog For Sequence/QC Batch ID # LB136405

Review By	rubina	Review On	7/10/2025 12:27:55 PM
Supervise By	Iwona	Supervise On	7/10/2025 12:57:25 PM
SubDirectory	LB136405	Test	Ammonia
STD. NAME	STD REF.#		
ICAL Standard	WP113849		
ICV Standard	WP113850		
CCV Standard	WP113850		
ICSA Standard	N/A		
CRI Standard	N/A		
LCS Standard	WP113449		
Chk Standard	WP113852,WP111745,WP111385,WP111660		

39	Q2512-01DL	WATER TREATMENT	SAM	07/09/25 11:04	Report 2X	rubina	Confirms
40	Q2512-01DUPDL	WATER TREATMENT	DUP	07/09/25 11:04	Report 2X	rubina	Confirms
41	CCV5	CCV5	CCV	07/09/25 11:04		rubina	OK
42	CCB5	CCB5	CCB	07/09/25 11:04		rubina	OK

LAB CHRONICLE

OrderID:	Q2512	OrderDate:	7/3/2025 1:17:00 PM
Client:	VERINA CONSULTING GROUP, LLC	Project:	Rotor Clip NJ WTD - 2025
Contact:	Michael Valenzi	Location:	O13

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2512-01	WATER-TREATMENT DISCHARGE	WATER			07/03/25 10:10			07/03/25
			Ammonia	SM4500-NH3		07/08/25	07/09/25 10:36	
			Residual Chlorine	SM4500 Cl G			07/03/25 15:21	
Q2512-01DL	WATER-TREATMENT DISCHARGEDL	WATER			07/03/25 10:10			07/03/25
			Ammonia	SM4500-NH3		07/08/25	07/09/25 11:04	

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

Start Digest Date: 07/08/2025 **Time :** 15:50 **Temp :** 150 °C
End Digest Date: 07/08/2025 **Time :** 16:50 **Temp :** 158 °C

Digestion tube ID : M5595
Filter paper ID : N/A
pH Meter ID : N/A

Block Thermometer ID : WC CYANIDE
Prep Technician Signature: RM
Supervisor Signature: 12

Standard Name	MLS USED	STD REF. # FROM LOG
LCSW	1.0ML	WP113449
MS/MSD SPIKE SOL.	1.0ML	WP113450
PBW	50.0ML	W3112
RL CHECK	N/A	AS PER PB168757
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	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 WP111604. Due to bad matrix and client history 1ML was taken as an initial volume for Q2525-01

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
07/08/2025 17:00	RM cwc	RM cwc
	Preparation Group	Analysis Group

Lab Sample ID	Client Sample ID	Initial Vol (ml)	Final Vol (ml)	pH	Sulfide	Oxidizing	Nitrate/ Nitrite	Comment	Prep Pos
PB168758BL	PBW758	50	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
PB168758BS	LCS758	50	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
Q2512-01	WATER-TREATMENT DISCHARGE	50	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
Q2512-01DUP	WATER-TREATMENT DISCHARGEDUP	50	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
Q2512-01MS	WATER-TREATMENT DISCHARGEMS	50	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
Q2512-01MSD	WATER-TREATMENT DISCHARGEMSD	50	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
Q2525-01	EFFLUENT-COMPOSITE	1	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A