



SAMPLE DATA

Report of Analysis

Client:	VERINA CONSULTING GROUP, LLC	Date Collected:	05/01/25 10:23
Project:	Rotor Clip NJ WTD - 2025	Date Received:	05/01/25
Client Sample ID:	WATER-TREATMENT-DISCHARGE	SDG No.:	Q1930
Lab Sample ID:	Q1930-01	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Ammonia as N	2.30	OR	1	0.030	0.10	mg/L	05/05/25 08:45	05/05/25 11:55	SM 4500-NH3 B plus G-11
Residual Chlorine	0.068	HJ	1	0.023	0.10	mg/L		05/01/25 15:40	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:	05/01/25 10:23
Project:	Rotor Clip NJ WTD - 2025	Date Received:	05/01/25
Client Sample ID:	WATER-TREATMENT-DISCHARGEDL	SDG No.:	Q1930
Lab Sample ID:	Q1930-01DL	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	05/05/25 08:45	05/05/25 12:36	SM 4500-NH3 B plus G-11

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
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J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
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OR = Over Range
N = Spiked sample recovery not within control limits



QC RESULT SUMMARY

Initial and Continuing Calibration Verification

Client: VERINA CONSULTING GROUP, LLC

SDG No.: Q1930

Project: Rotor Clip NJ WTD - 2025

RunNo.: LB135627

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV Residual Chlorine	mg/L	0.416	0.4	104	90-110	05/01/2025
Sample ID: CCV1 Residual Chlorine	mg/L	0.406	0.4	102	90-110	05/01/2025
Sample ID: CCV2 Residual Chlorine	mg/L	0.395	0.4	99	90-110	05/01/2025

Initial and Continuing Calibration Verification

Client: VERINA CONSULTING GROUP, LLC

SDG No.: Q1930

Project: Rotor Clip NJ WTD - 2025

RunNo.: LB135665

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	05/05/2025
Sample ID: CCV1 Ammonia as N	mg/L	0.96	1	96	90-110	05/05/2025
Sample ID: CCV2 Ammonia as N	mg/L	0.98	1	98	90-110	05/05/2025
Sample ID: CCV3 Ammonia as N	mg/L	0.99	1	99	90-110	05/05/2025
Sample ID: CCV4 Ammonia as N	mg/L	0.98	1	98	90-110	05/05/2025

Initial and Continuing Calibration Verification

Client: VERINA CONSULTING GROUP, LLC

SDG No.: Q1930

Project: Rotor Clip NJ WTD - 2025

RunNo.: LB135665

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

Client: VERINA CONSULTING GROUP, LLC

SDG No.: Q1930

Project: Rotor Clip NJ WTD - 2025

RunNo.: LB135627

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	05/01/2025
Sample ID: CCB1 Residual Chlorine	mg/L	< 0.0500	0.0500	U	0.023	0.1	05/01/2025
Sample ID: CCB2 Residual Chlorine	mg/L	< 0.0500	0.0500	U	0.023	0.1	05/01/2025

Initial and Continuing Calibration Blank Summary

Client: VERINA CONSULTING GROUP, LLC

SDG No.: Q1930

Project: Rotor Clip NJ WTD - 2025

RunNo.: LB135665

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: ICB1 Ammonia as N	mg/L	0.034	0.0500	J	0.030	0.1	05/05/2025
Sample ID: CCB1 Ammonia as N	mg/L	0.036	0.0500	J	0.030	0.1	05/05/2025
Sample ID: CCB2 Ammonia as N	mg/L	0.039	0.0500	J	0.030	0.1	05/05/2025
Sample ID: CCB3 Ammonia as N	mg/L	0.043	0.0500	J	0.030	0.1	05/05/2025
Sample ID: CCB4 Ammonia as N	mg/L	< 0.0500	0.0500	U	0.030	0.1	05/05/2025

Preparation Blank Summary

Client: VERINA CONSULTING GROUP, LLC

SDG No.: Q1930

Project: Rotor Clip NJ WTD - 2025

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: LB135627BL							
Residual Chlorine	mg/L	< 0.0500	0.0500	U	0.023	0.1	05/01/2025
Sample ID: PB167844BL							
Ammonia as N	mg/L	0.038	0.0500	J	0.03	0.1	05/05/2025

Matrix Spike Summary

Client:	VERINA CONSULTING GROUP, LLC	SDG No.:	Q1930
Project:	Rotor Clip NJ WTD - 2025	Sample ID:	Q1930-01
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
Ammonia as N	mg/L	75-125	2.90	OR	2.30	OR	1	1	60	*	05/05/2025
Residual Chlorine	mg/L	71-148	0.41		0.068	J	0.4	1	84		05/01/2025

Matrix Spike Summary

Client:	VERINA CONSULTING GROUP, LLC	SDG No.:	Q1930
Project:	Rotor Clip NJ WTD - 2025	Sample ID:	Q1930-01
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
Ammonia as N	mg/L	75-125	3.20	OR	2.30	OR	1	1	90		05/05/2025
Residual Chlorine	mg/L	71-148	0.39		0.068	J	0.4	1	79		05/01/2025

Duplicate Sample Summary

Client:	VERINA CONSULTING GROUP, LLC	SDG No.:	Q1930
Project:	Rotor Clip NJ WTD - 2025	Sample ID:	Q1930-01
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	0.068	J	0.068	J	1	0		05/01/2025
Ammonia as N	mg/L	+/-20	2.30	OR	2.20	OR	1	4		05/05/2025

Duplicate Sample Summary

Client:	VERINA CONSULTING GROUP, LLC	SDG No.:	Q1930
Project:	Rotor Clip NJ WTD - 2025	Sample ID:	Q1930-01
Client ID:	WATER-TREATMENT-DISCHARGEDUPDL	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	2.40	D	2.50	D	2	4		05/05/2025

Duplicate Sample Summary

Client: VERINA CONSULTING GROUP, LLC Project: Rotor Clip NJ WTD - 2025 Client ID: WATER-TREATMENT-DISCHARGEMSD	SDG No.: Q1930 Sample ID: Q1930-01 Percent Solids for Spike Sample: 0
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Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/AD	Qual	Analysis Date
Residual Chlorine	mg/L	+/-20	0.41		0.39		1	5.31		05/01/2025
Ammonia as N	mg/L	+/-20	2.90	OR	3.20	OR	1	10		05/05/2025

Laboratory Control Sample Summary

Client:	VERINA CONSULTING GROUP, LLC	SDG No.:	Q1930
Project:	Rotor Clip NJ WTD - 2025	Run No.:	LB135627

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LB135627BS							
Residual Chlorine	mg/L	0.4	0.37		91	1	90-110	05/01/2025

Laboratory Control Sample Summary

Client:	VERINA CONSULTING GROUP, LLC	SDG No.:	Q1930
Project:	Rotor Clip NJ WTD - 2025	Run No.:	LB135665

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	PB167844BS							
Ammonia as N	mg/L	1	0.96		96	1	90-110	05/05/2025

Instrument ID: SPECTROPHOTOMETER-1

Daily Analysis Runlog For Sequence/QC Batch ID # LB135627

Review By	Iwona	Review On	5/6/2025 10:37:19 AM
Supervise By	jignesh	Supervise On	5/6/2025 10:37:59 AM
SubDirectory	LB135627	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	WP112912,WP112907,WP112908,WP112910,WP112906,WP112911,WP112909,W3145		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	CAL1	CAL1	CAL	05/01/25 15:00		Iwona	OK
2	CAL2	CAL2	CAL	05/01/25 15:04		Iwona	OK
3	CAL3	CAL3	CAL	05/01/25 15:07		Iwona	OK
4	CAL4	CAL4	CAL	05/01/25 15:10		Iwona	OK
5	CAL5	CAL5	CAL	05/01/25 15:13		Iwona	OK
6	CAL6	CAL6	CAL	05/01/25 15:16		Iwona	OK
7	ICV	ICV	ICV	05/01/25 15:20		Iwona	OK
8	ICB	ICB	ICB	05/01/25 15:23		Iwona	OK
9	CCV1	CCV1	CCV	05/01/25 15:27		Iwona	OK
10	CCB1	CCB1	CCB	05/01/25 15:30		Iwona	OK
11	LB135627BL	LB135627BL	MB	05/01/25 15:33		Iwona	OK
12	LB135627BS	LB135627BS	LCS	05/01/25 15:37		Iwona	OK
13	Q1930-01	WATER-TREATMENT	SAM	05/01/25 15:40		Iwona	OK
14	Q1930-01DUP	WATER-TREATMENT	DUP	05/01/25 15:43		Iwona	OK
15	Q1930-01MS	WATER-TREATMENT	MS	05/01/25 15:47		Iwona	OK
16	Q1930-01MSD	WATER-TREATMENT	MSD	05/01/25 15:50		Iwona	OK
17	CCV2	CCV2	CCV	05/01/25 15:53		Iwona	OK
18	CCB2	CCB2	CCB	05/01/25 15:56		Iwona	OK

Instrument ID: KONELAB

Daily Analysis Runlog For Sequence/QC Batch ID # LB135665

Review By	rubina	Review On	5/5/2025 2:45:01 PM
Supervise By	Iwona	Supervise On	5/5/2025 4:40:09 PM
SubDirectory	LB135665	Test	Ammonia
STD. NAME	STD REF.#		
ICAL Standard	WP112946		
ICV Standard	WP112948		
CCV Standard	WP112947		
ICSA Standard	N/A		
CRI Standard	N/A		
LCS Standard	WP112614		
Chk Standard	WP112897,WP111745,WP111385,WP111660		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	0.0PPM	0.0PPM	CAL1	05/05/25 10:36		rubina	OK
2	0.1PPM	0.1PPM	CAL2	05/05/25 10:36		rubina	OK
3	0.2PPM	0.2PPM	CAL3	05/05/25 10:36		rubina	OK
4	0.4PPM	0.4PPM	CAL4	05/05/25 10:36		rubina	OK
5	1.0PPM	1.0PPM	CAL5	05/05/25 10:36		rubina	OK
6	1.3PPM	1.3PPM	CAL6	05/05/25 10:36		rubina	OK
7	2.0PPM	2.0PPM	CAL7	05/05/25 10:36		rubina	OK
8	ICV1	ICV1	ICV	05/05/25 11:44		rubina	OK
9	ICB1	ICB1	ICB	05/05/25 11:44		rubina	OK
10	CCV1	CCV1	CCV	05/05/25 11:44		rubina	OK
11	CCB1	CCB1	CCB	05/05/25 11:44		rubina	OK
12	RL	RL	SAM	05/05/25 11:45		rubina	OK
13	PB167844BL	PB167844BL	MB	05/05/25 11:55		rubina	OK
14	PB167844BS	PB167844BS	LCS	05/05/25 11:55		rubina	OK
15	Q1930-01	WATER-TREATMENT	SAM	05/05/25 11:55	NH3 is High	rubina	Dilution
16	Q1930-01DUP	WATER-TREATMENT	DUP	05/05/25 11:55	NH3 is High	rubina	Dilution
17	Q1930-01MS	WATER-TREATMENT	MS	05/05/25 11:55		rubina	OK
18	Q1930-01MSD	WATER-TREATMENT	MSD	05/05/25 11:55		rubina	OK

Instrument ID: KONELAB

Daily Analysis Runlog For Sequence/QC Batch ID # LB135665

Review By	rubina	Review On	5/5/2025 2:45:01 PM
Supervise By	Iwona	Supervise On	5/5/2025 4:40:09 PM
SubDirectory	LB135665	Test	Ammonia
STD. NAME	STD REF.#		
ICAL Standard	WP112946		
ICV Standard	WP112948		
CCV Standard	WP112947		
ICSA Standard	N/A		
CRI Standard	N/A		
LCS Standard	WP112614		
Chk Standard	WP112897,WP111745,WP111385,WP111660		

19	Q1934-01	001-WILLETS-PT-BLV	SAM	05/05/25 12:06		rubina	OK
20	Q1934-02	002-35TH-AVE(APR)	SAM	05/05/25 12:06		rubina	OK
21	Q1941-01	EFFLUENT	SAM	05/05/25 12:06	NH3 is High	rubina	Dilution
22	CCV2	CCV2	CCV	05/05/25 12:06		rubina	OK
23	CCB2	CCB2	CCB	05/05/25 12:06		rubina	OK
24	Q1944-02	CITY-WATER	SAM	05/05/25 12:06		rubina	OK
25	Q1944-03	CHILLER-WATER	SAM	05/05/25 12:06		rubina	OK
26	Q1949-01	001-WILLETS-PT-BLV	SAM	05/05/25 12:06		rubina	OK
27	Q1949-04	002-35TH-AVE(MAY)	SAM	05/05/25 12:06		rubina	OK
28	CCV3	CCV3	CCV	05/05/25 12:06		rubina	OK
29	CCB3	CCB3	CCB	05/05/25 12:11		rubina	OK
30	Q1930-01DL	WATER-TREATMENT	SAM	05/05/25 12:36	2x For NH3	rubina	Confirms
31	Q1930-01DUPDL	WATER-TREATMENT	DUP	05/05/25 12:36	2x For NH3	rubina	Confirms
32	Q1941-01DL	EFFLUENTDL	SAM	05/05/25 12:36	10X For NH3	rubina	Confirms
33	CCV4	CCV4	CCV	05/05/25 12:36		rubina	OK
34	CCB4	CCB4	CCB	05/05/25 12:36		rubina	OK

LAB CHRONICLE

OrderID:	Q1930	OrderDate:	5/1/2025 12:36:00 PM
Client:	VERINA CONSULTING GROUP, LLC	Project:	Rotor Clip NJ WTD - 2025
Contact:	Michael Valenzi	Location:	L41

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1930-01	WATER-TREATMENT-D ISCHARGE	WATER			05/01/25 10:23			05/01/25
			Ammonia	SM4500-NH3		05/05/25	05/05/25 11:55	
			Residual Chlorine	SM4500 Cl G			05/01/25 15:40	
Q1930-01DL	WATER-TREATMENT-D ISCHARGEDL	WATER			05/01/25 10:23			05/01/25
			Ammonia	SM4500-NH3		05/05/25	05/05/25 12:36	

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

SDG No : N/A

Matrix : WATER

Pipette ID : WC

Balance ID : N/A

Hood ID : HOOD#2

Block ID : WC-DIST-BLOCK-1

Weigh By : N/A

Start Digest Date: 05/05/2025 Time : 08:45 Temp : 150 °C

End Digest Date: 05/05/2025 Time : 09:45 Temp : 160 °C

D batch 05/05/2025 10:05 150 °C
05/05/2025 11:05 160 °C RH

Digestion tube ID : M5595

Block Thermometer ID : WC CYANIDE

Filter paper ID : N/A

Prep Technician Signature: RH

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	1.0ML-5.0ML	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 Q1941-01

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
05/05/2025 11:30	RH (WC)	RH (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
PB167844BL	PB167844BL	50	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
PB167844BS	LCS844	50	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
Q1930-01DUP	WATER-TREATMENT-DISCHAR GEDUP	50	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
Q1930-01MS	WATER-TREATMENT-DISCHAR GEMS	50	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
Q1930-01MSD	WATER-TREATMENT-DISCHAR GEMSD	50	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
Q1930-01	WATER-TREATMENT-DISCHAR GE	50	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
Q1934-01	001-WILLETS-PT-BLVD(APR)	50	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
Q1934-02	002-35TH-AVE(APR)	50	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
Q1941-01	EFFLUENT	1	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
Q1944-02	CITY-WATER	50	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
Q1944-03	CHILLER-WATER	50	50	<2	N/A	Negative	N/A	PH AFTER ADDING DIST BUFFER>11	N/A
Q1949-01	001-WILLETS-PT-BLVD(MAY)	50	50	<2	N/A	Negative	N/A	PH AFTER ADDING DIST BUFFER>11	N/A
Q1949-04	002-35TH-AVE(MAY)	50	50	<2	N/A	Negative	N/A	PH AFTER ADDING DIST BUFFER>11	N/A