SAMPLE DATA

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

Report of Analysis

Client:	VERINA CONSULTING GROUP, LLC	Date Collected:	08/07/25 10:48
Project:	Rotor Clip NJ WTD - 2025	Date Received:	08/07/25
Client Sample ID:	WATER-TREATMENT DISCHARGE	SDG No.:	Q2804
Lab Sample ID:	Q2804-01	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Ammonia as N	0.11		1	0.030	0.10	mg/L	08/11/25 15:00	08/12/25 10:19	SM 4500-NH3 B plus G-21
Residual Chlorine	0.023	HU	1	0.023	0.10	mg/L		08/07/25 16:25	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,
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Initial and Continuing Calibration Verification

Client: VERINA CONSULTING GROUP, LLC **SDG No.:** Q2804

Project: Rotor Clip NJ WTD - 2025 **RunNo.:** LB136744

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	08/07/2025
Sample ID: CCV1						
Residual Chlorine	mg/L	0.409	0.4	102	90-110	08/07/2025
Sample ID: CCV2						
Residual Chlorine	mg/L	0.409	0.4	102	90-110	08/07/2025

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Initial and Continuing Calibration Verification

Client:	VERINA CONSULTING GROUP, LLC	**SDG No.:**	Q2804
Project:	Rotor Clip NJ WTD - 2025	**RunNo.:**	LB136784

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	08/12/2025
Sample ID:	**CCV1**						
Ammonia as N		mg/L	0.97	1	97	90-110	08/12/2025
Sample ID:	**CCV2**						
Ammonia as N		mg/L	0.97	1	97	90-110	08/12/2025
Sample ID:	**CCV3**						
Ammonia as N		mg/L	1	1	100	90-110	08/12/2025
Sample ID:	**CCV4**						
Ammonia as N		mg/L	0.99	1	99	90-110	08/12/2025

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Initial and Continuing Calibration Blank Summary

Client:	VERINA CONSULTING GROUP, LLC	**SDG No.:**	Q2804
Project:	Rotor Clip NJ WTD - 2025	**RunNo.:**	LB136744

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	08/07/2025
Sample ID: CCB1							
Residual Chlorine	mg/L	< 0.0500	0.0500	U	0.023	0.1	08/07/2025
Sample ID: CCB2							
Residual Chlorine	mg/L	< 0.0500	0.0500	U	0.023	0.1	08/07/2025

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Initial and Continuing Calibration Blank Summary

Client: VERINA CONSULTING GROUP, LLC **SDG No.:** Q2804

Project: Rotor Clip NJ WTD - 2025 **RunNo.:** LB136784

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: ICB1							
Ammonia as N	mg/L	0.032	0.0500	J	0.030	0.1	08/12/2025
Sample ID: CCB1							
Ammonia as N	mg/L	< 0.0500	0.0500	U	0.030	0.1	08/12/2025
Sample ID: CCB2							
Ammonia as N	mg/L	< 0.0500	0.0500	U	0.030	0.1	08/12/2025
Sample ID: CCB3							
Ammonia as N	mg/L	< 0.0500	0.0500	U	0.030	0.1	08/12/2025
Sample ID: CCB4							
Ammonia as N	mg/L	< 0.0500	0.0500	U	0.030	0.1	08/12/2025

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Preparation Blank Summary

Client: VERINA CONSULTING GROUP, LLC **SDG No.:** Q2804

Project: Rotor Clip NJ WTD - 2025

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: LB136744BL							
Residual Chlorine	mg/L	< 0.0500	0.0500	U	0.023	0.1	08/07/2025
Sample ID: PB169199BL							
Ammonia as N	mg/L	< 0.0500	0.0500	U	0.03	0.1	08/12/2025

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Matrix Spike Summary

Client: VERINA CONSULTING GROUP, LLC
SDG No.: Q2804
Project: Rotor Clip NJ WTD - 2025
Sample ID: Q2804-01
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	1.00		0.11		1	1	89		08/12/2025
Residual Chlorine	mg/L	71-148	0.38		0.023	U	0.4	1	95		08/07/2025

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Matrix Spike Summary

Client: VERINA CONSULTING GROUP, LLC
SDG No.: Q2804
Project: Rotor Clip NJ WTD - 2025
Sample ID: Q2804-01
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	1.00		0.11		1	1	89		08/12/2025
Residual Chlorine	mg/L	71-148	0.37		0.023	U	0.4	1	92		08/07/2025

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Duplicate Sample Summary

Client: VERINA CONSULTING GROUP, LLC
SDG No.: Q2804
Project: Rotor Clip NJ WTD - 2025
Sample ID: Q2804-01
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		08/07/2025
Ammonia as N	mg/L	+/-20	0.11		0.11		1	0		08/12/2025

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Duplicate Sample Summary

Client: VERINA CONSULTING GROUP, LLC
SDG No.: Q2804
Project: Rotor Clip NJ WTD - 2025
Sample ID: Q2804-01
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	0.38		0.37		1	2.67		08/07/2025
Ammonia as N	mg/L	+/-20	1.00		1.00		1	0		08/12/2025

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Laboratory Control Sample Summary

Client: VERINA CONSULTING GROUP, LLC **SDG No.:** Q2804

Project: Rotor Clip NJ WTD - 2025 **Run No.:** LB136744

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID LB136744BS								
Residual Chlorine	mg/L	0.4	0.40		100	1	90-110	08/07/2025

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Laboratory Control Sample Summary

Client:	VERINA CONSULTING GROUP, LLC	**SDG No.:**	Q2804
Project:	Rotor Clip NJ WTD - 2025	**Run No.:**	LB136784

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID PB169199BS								
Ammonia as N	mg/L	1	1.00		100	1	90-110	08/12/2025

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Instrument ID: SPECTROPHOTOMETER-1

Daily Analysis Runlog For Sequence/QCBatch ID # LB136744

Review By	Eman	Review On	8/8/2025 8:38:06 AM
Supervise By	Iwona	Supervise On	8/8/2025 8:49:37 AM
SubDirectory	LB136744	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	WP114216,WP114211,WP114212,WP114213,WP114210,WP114214,WP114215

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	CAL1	CAL1	CAL	08/07/25 15:45		Eman	OK
2	CAL2	CAL2	CAL	08/07/25 15:48		Eman	OK
3	CAL3	CAL3	CAL	08/07/25 15:52		Eman	OK
4	CAL4	CAL4	CAL	08/07/25 15:55		Eman	OK
5	CAL5	CAL5	CAL	08/07/25 15:58		Eman	OK
6	CAL6	CAL6	CAL	08/07/25 16:02		Eman	OK
7	ICV	ICV	ICV	08/07/25 16:05		Eman	OK
8	ICB	ICB	ICB	08/07/25 16:09		Eman	OK
9	CCV1	CCV1	CCV	08/07/25 16:12		Eman	OK
10	CCB1	CCB1	CCB	08/07/25 16:15		Eman	OK
11	LB136744BL	LB136744BL	MB	08/07/25 16:19		Eman	OK
12	LB136744BS	LB136744BS	LCS	08/07/25 16:22		Eman	OK
13	Q2804-01	WATER-TREATMENT	SAM	08/07/25 16:25		Eman	OK
14	Q2804-01DUP	WATER-TREATMENT	DUP	08/07/25 16:28		Eman	OK
15	Q2804-01MS	WATER-TREATMENT	MS	08/07/25 16:32		Eman	OK
16	Q2804-01MSD	WATER-TREATMENT	MSD	08/07/25 16:35		Eman	OK
17	CCV2	CCV2	CCV	08/07/25 16:39		Eman	OK
18	CCB2	CCB2	CCB	08/07/25 16:43		Eman	OK

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Instrument ID: KONELAB

Daily Analysis Runlog For Sequence/QCBatch ID # LB136784

Review By	rubina	Review On	8/13/2025 10:22:10 AM
Supervise By	Sohil	Supervise On	8/13/2025 11:12:27 AM
SubDirectory	LB136784	Test	Ammonia

STD. NAME	STD REF.#
ICAL Standard	WP114262
ICV Standard	WP114264
CCV Standard	WP114263
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	WP114257
Chk Standard	WP114258,WP114133,WP113929,WP114132

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	0.0PPM	0.0PPM	CAL1	08/12/25 08:49		rubina	OK
2	0.1PPM	0.1PPM	CAL2	08/12/25 08:49		rubina	OK
3	0.2PPM	0.2PPM	CAL3	08/12/25 08:49		rubina	OK
4	0.4PPM	0.4PPM	CAL4	08/12/25 08:49		rubina	OK
5	1.0PPM	1.0PPM	CAL5	08/12/25 08:49		rubina	OK
6	1.3PPM	1.3PPM	CAL6	08/12/25 08:49		rubina	OK
7	2.0PPM	2.0PPM	CAL7	08/12/25 08:49		rubina	OK
8	ICV1	ICV1	ICV	08/12/25 09:47		rubina	OK
9	ICB1	ICB1	ICB	08/12/25 09:47		rubina	OK
10	CCV1	CCV1	CCV	08/12/25 09:47		rubina	OK
11	CCB1	CCB1	CCB	08/12/25 09:47		rubina	OK
12	RL	RL	SAM	08/12/25 09:47		rubina	OK
13	PB169198BL	PB169198BL	MB	08/12/25 09:57		rubina	OK
14	PB169198BS	PB169198BS	LCS	08/12/25 09:57		rubina	OK
15	Q2795-01	COMP-1	SAM	08/12/25 09:57		rubina	OK
16	Q2795-01DUP	COMP-1DUP	DUP	08/12/25 09:57		rubina	OK
17	Q2795-01MS	COMP-1MS	MS	08/12/25 09:57		rubina	OK
18	Q2795-01MSD	COMP-1MSD	MSD	08/12/25 09:57		rubina	OK

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Instrument ID: KONELAB

Daily Analysis Runlog For Sequence/QCBatch ID # LB136784

Review By	rubina	Review On	8/13/2025 10:22:10 AM
Supervise By	Sohil	Supervise On	8/13/2025 11:12:27 AM
SubDirectory	LB136784	Test	Ammonia

STD. NAME	STD REF.#
ICAL Standard	WP114262
ICV Standard	WP114264
CCV Standard	WP114263
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	WP114257
Chk Standard	WP114258,WP114133,WP113929,WP114132

19	Q2795-02	COMP-2	SAM	08/12/25 10:08		rubina	OK
20	Q2795-03	COMP-3	SAM	08/12/25 10:08		rubina	OK
21	Q2807-01	COMP-4	SAM	08/12/25 10:08		rubina	OK
22	CCV2	CCV2	CCV	08/12/25 10:08		rubina	OK
23	CCB2	CCB2	CCB	08/12/25 10:08		rubina	OK
24	Q2807-02	COMP-5	SAM	08/12/25 10:08		rubina	OK
25	Q2807-03	COMP-6	SAM	08/12/25 10:08		rubina	OK
26	PB169199BL	PB169199BL	MB	08/12/25 10:08		rubina	OK
27	PB169199BS	PB169199BS	LCS	08/12/25 10:19		rubina	OK
28	Q2804-01	WATER-TREATMENT	SAM	08/12/25 10:19		rubina	OK
29	Q2804-01DUP	WATER-TREATMENT	DUP	08/12/25 10:19		rubina	OK
30	Q2804-01MS	WATER-TREATMENT	MS	08/12/25 10:19		rubina	OK
31	Q2804-01MSD	WATER-TREATMENT	MSD	08/12/25 10:19		rubina	OK
32	Q2813-01	EFFLUENT	SAM	08/12/25 10:19	High	rubina	Dilution
33	Q2813-05	INFLUENT	SAM	08/12/25 10:25	High	rubina	Dilution
34	CCV3	CCV3	CCV	08/12/25 10:25		rubina	OK
35	CCB3	CCB3	CCB	08/12/25 10:25		rubina	OK
36	Q2813-01DL	EFFLUENTDL	SAM	08/12/25 10:50	Report 10X	rubina	Confirms
37	Q2813-05DL	INFLUENTDL	SAM	08/12/25 10:50	Report 10X	rubina	Confirms
38	CCV4	CCV4	CCV	08/12/25 10:50		rubina	OK

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Instrument ID: KONELAB

Daily Analysis Runlog For Sequence/QCBatch ID # LB136784

Review By	rubina	Review On	8/13/2025 10:22:10 AM
Supervise By	Sohil	Supervise On	8/13/2025 11:12:27 AM
SubDirectory	LB136784	Test	Ammonia

STD. NAME	STD REF.#
ICAL Standard	WP114262
ICV Standard	WP114264
CCV Standard	WP114263
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	WP114257
Chk Standard	WP114258,WP114133,WP113929,WP114132

39	CCB4	CCB4	CCB	08/12/25 10:50		rubina	OK

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LAB CHRONICLE

OrderID:	Q2804	**OrderDate:**	8/7/2025 2:46:00 PM
Client:	VERINA CONSULTING GROUP, LLC	**Project:**	Rotor Clip NJ WTD - 2025
Contact:	Michael Valenzi	**Location:**	J22

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2804-01	**WATER-TREATMENT DISCHARGE**	**WATER**			**08/07/25 10:48**			**08/07/25**
			Ammonia	SM4500-NH3		08/11/25	08/12/25 10:19	
			Residual Chlorine	SM4500 Cl G			08/07/25 16:25	

Alliance TECHNICAL GROUP

Water Ammonia Preparation Sheet

PB169199

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

SDG No : N/A

Matrix : WATER

Pippete ID : WC

Balance ID : N/A

Hood ID : HOOD#2

Block ID : WC-DIST-BLOCK-1

Weigh By : RM

Start Digest Date: 08/11/2025 **Time :** 15:00 **Temp :** 150 °C

End Digest Date: 08/11/2025 **Time :** 16:00 **Temp :** 160 °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: JZ

Standared Name	MLS USED	STD REF. # FROM LOG
LCSW	1.0ML	WP114257
MS/MSD SPIKE SOL.	1.0ML	WP114256
PBW	50.0ML	W3112
RL CHECK	N/A	AS PER PB169198
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 Q2813-01-05.

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
08/11/2025 16:15	RM (WC)	RM (WC)
	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

Water Ammonia Preparation Sheet

PB169199

Lab Sample ID	Client Sample ID	Initial Vol (ml)	Final Vol (ml)	pH	Sulfide	Oxidizing	Nitrate/ Nitrite	Comment	Prep Pos
PB169199BL	PBW199	50	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
PB169199BS	LCS199	50	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
Q2804-01DUP	WATER-TREATMENT DISCHARGEDUP	50	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
Q2804-01MS	WATER-TREATMENT DISCHARGEMS	50	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
Q2804-01MSD	WATER-TREATMENT DISCHARGEMSD	50	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
Q2804-01	WATER-TREATMENT DISCHARGE	50	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
Q2813-01	EFFLUENT	1	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
Q2813-05	INFLUENT	1	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A