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:	01/09/25 10:17
Project:	Rotor Clip - PO# 5183.0001	Date Received:	01/09/25
Client Sample ID:	WATER TREATMENT DISCHARGE	SDG No.:	Q1048
Lab Sample ID:	Q1048-01	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Ammonia as N	0.46		1	0.045	0.10	mg/L	01/10/25 09:15	01/10/25 13:01	SM 4500-NH3 B plus G-11
Residual Chlorine	0.022	HJ	1	0.016	0.10	mg/L		01/09/25 14:36	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,
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Initial and Continuing Calibration Verification

Client: VERINA CONSULTING GROUP, LLC **SDG No.:** Q1048

Project: Rotor Clip - PO# 5183.0001 **RunNo.:** LB134218

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV						
Residual Chlorine	mg/L	0.413	0.4	103	90-110	01/09/2025
Sample ID: CCV1						
Residual Chlorine	mg/L	0.403	0.4	101	90-110	01/09/2025
Sample ID: CCV2						
Residual Chlorine	mg/L	0.403	0.4	101	90-110	01/09/2025

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Initial and Continuing Calibration Verification

Client: VERINA CONSULTING GROUP, LLC **SDG No.:** Q1048

Project: Rotor Clip - PO# 5183.0001 **RunNo.:** LB134227

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV1						
Ammonia as N	mg/L	0.97	1	97	90-110	01/10/2025
Sample ID: CCV1						
Ammonia as N	mg/L	0.99	1	99	90-110	01/10/2025
Sample ID: CCV2						
Ammonia as N	mg/L	1	1	100	90-110	01/10/2025

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Initial and Continuing Calibration Blank Summary

Client:	VERINA CONSULTING GROUP, LLC	**SDG No.:**	Q1048
Project:	Rotor Clip - PO# 5183.0001	**RunNo.:**	LB134218

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: ICB							
Residual Chlorine	mg/L	< 0.0500	0.0500	U	0.016	0.1	01/09/2025
Sample ID: CCB1							
Residual Chlorine	mg/L	< 0.0500	0.0500	U	0.016	0.1	01/09/2025
Sample ID: CCB2							
Residual Chlorine	mg/L	< 0.0500	0.0500	U	0.016	0.1	01/09/2025

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Initial and Continuing Calibration Blank Summary

Client: VERINA CONSULTING GROUP, LLC **SDG No.:** Q1048

Project: Rotor Clip - PO# 5183.0001 **RunNo.:** LB134227

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: ICB1							
Ammonia as N	mg/L	< 0.0500	0.0500	U	0.045	0.1	01/10/2025
Sample ID: CCB1							
Ammonia as N	mg/L	< 0.0500	0.0500	U	0.045	0.1	01/10/2025
Sample ID: CCB2							
Ammonia as N	mg/L	< 0.0500	0.0500	U	0.045	0.1	01/10/2025

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Preparation Blank Summary

Client: VERINA CONSULTING GROUP, LLC **SDG No.:** Q1048

Project: Rotor Clip - PO# 5183.0001

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: LB134218BL							
Residual Chlorine	mg/L	< 0.0500	0.0500	U	0.016	0.1	01/09/2025
Sample ID: PB165991BL							
Ammonia as N	mg/L	< 0.0500	0.0500	U	0.045	0.1	01/10/2025

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Matrix Spike Summary

Client: VERINA CONSULTING GROUP, LLC
SDG No.: Q1048
Project: Rotor Clip - PO# 5183.0001
Sample ID: Q1033-01
Client ID: 28612MS
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	1.90		0.93		1	1	97		01/10/2025

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Matrix Spike Summary

Client: VERINA CONSULTING GROUP, LLC
SDG No.: Q1048
Project: Rotor Clip - PO# 5183.0001
Sample ID: Q1033-01
Client ID: 28612MSD
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	1.90		0.93		1	1	97		01/10/2025

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Matrix Spike Summary

Client: VERINA CONSULTING GROUP, LLC
SDG No.: Q1048
Project: Rotor Clip - PO# 5183.0001
Sample ID: Q1048-01
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	0.40		0.022	J	0.4	1	95		01/09/2025

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Matrix Spike Summary

Client: VERINA CONSULTING GROUP, LLC
SDG No.: Q1048
Project: Rotor Clip - PO# 5183.0001
Sample ID: Q1048-01
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		0.022	J	0.4	1	98		01/09/2025

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Duplicate Sample Summary

Client: VERINA CONSULTING GROUP, LLC
SDG No.: Q1048
Project: Rotor Clip - PO# 5183.0001
Sample ID: Q1033-01
Client ID: 28612DUP
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	0.93		0.94		1	1		01/10/2025

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Duplicate Sample Summary

Client: VERINA CONSULTING GROUP, LLC
SDG No.: Q1048
Project: Rotor Clip - PO# 5183.0001
Sample ID: Q1033-01
Client ID: 28612MSD
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	1.90		1.90		1	0		01/10/2025

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Duplicate Sample Summary

Client: VERINA CONSULTING GROUP, LLC
SDG No.: Q1048
Project: Rotor Clip - PO# 5183.0001
Sample ID: Q1048-01
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	0.022	J	0.022	J	1	0		01/09/2025

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Duplicate Sample Summary

Client: VERINA CONSULTING GROUP, LLC
SDG No.: Q1048
Project: Rotor Clip - PO# 5183.0001
Sample ID: Q1048-01
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	0.40		0.41		1	2.45		01/09/2025

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Laboratory Control Sample Summary

Client: VERINA CONSULTING GROUP, LLC **SDG No.:** Q1048

Project: Rotor Clip - PO# 5183.0001 **Run No.:** LB134218

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID LB134218BS								
Residual Chlorine	mg/L	0.4	0.40		101	1	90-110	01/09/2025

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Laboratory Control Sample Summary

Client:	VERINA CONSULTING GROUP, LLC	**SDG No.:**	Q1048
Project:	Rotor Clip - PO# 5183.0001	**Run No.:**	LB134227

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID PB165991BS								
Ammonia as N	mg/L	1	1.00		100	1	90-110	01/10/2025

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Instrument ID: SPECTROPHOTOMETER-1

Daily Analysis Runlog For Sequence/QCBatch ID # LB134218

Review By	Niha	Review On	1/9/2025 3:27:37 PM
Supervise By	Iwona	Supervise On	1/9/2025 3:39:20 PM
SubDirectory	LB134218	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	WP111334,WP111329,WP111330,WP111331,WP111328,WP111332,WP111333,W3147

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	CAL1	CAL1	CAL	01/09/25 14:00		Niha	OK
2	CAL2	CAL2	CAL	01/09/25 14:03		Niha	OK
3	CAL3	CAL3	CAL	01/09/25 14:06		Niha	OK
4	CAL4	CAL4	CAL	01/09/25 14:09		Niha	OK
5	CAL5	CAL5	CAL	01/09/25 14:12		Niha	OK
6	CAL6	CAL6	CAL	01/09/25 14:15		Niha	OK
7	ICV	ICV	ICV	01/09/25 14:18		Niha	OK
8	ICB	ICB	ICB	01/09/25 14:21		Niha	OK
9	CCV1	CCV1	CCV	01/09/25 14:24		Niha	OK
10	CCB1	CCB1	CCB	01/09/25 14:27		Niha	OK
11	LB134218BL	LB134218BL	MB	01/09/25 14:30		Niha	OK
12	LB134218BS	LB134218BS	LCS	01/09/25 14:33		Niha	OK
13	Q1048-01	WATER TREATMENT	SAM	01/09/25 14:36		Niha	OK
14	Q1048-01DUP	WATER TREATMENT	DUP	01/09/25 14:39		Niha	OK
15	Q1048-01MS	WATER TREATMENT	MS	01/09/25 14:42		Niha	OK
16	Q1048-01MSD	WATER TREATMENT	MSD	01/09/25 14:45		Niha	OK
17	CCV2	CCV2	CCV	01/09/25 14:48		Niha	OK
18	CCB2	CCB2	CCB	01/09/25 14:51		Niha	OK

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Instrument ID: KONELAB

Daily Analysis Runlog For Sequence/QCBatch ID # LB134227

Review By	rubina	Review On	1/13/2025 8:37:45 AM
Supervise By	Iwona	Supervise On	1/13/2025 9:35:20 AM
SubDirectory	LB134227	Test	Ammonia

STD. NAME	STD REF.#
ICAL Standard	WP111350
ICV Standard	WP111352
CCV Standard	WP111351
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	WP111092
Chk Standard	WP110416,WP110019,WP108709,WP108840

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	0.0PPM	0.0PPM	CAL1	01/10/25 12:20		rubina	OK
2	0.1PPM	0.1PPM	CAL2	01/10/25 12:20		rubina	OK
3	0.2PPM	0.2PPM	CAL3	01/10/25 12:20		rubina	OK
4	0.4PPM	0.4PPM	CAL4	01/10/25 12:20		rubina	OK
5	1.0PPM	1.0PPM	CAL5	01/10/25 12:20		rubina	OK
6	1.3PPM	1.3PPM	CAL6	01/10/25 12:20		rubina	OK
7	2.0PPM	2.0PPM	CAL7	01/10/25 12:20		rubina	OK
8	ICV1	ICV1	ICV	01/10/25 12:50		rubina	OK
9	ICB1	ICB1	ICB	01/10/25 12:50		rubina	OK
10	CCV1	CCV1	CCV	01/10/25 12:50		rubina	OK
11	CCB1	CCB1	CCB	01/10/25 12:50		rubina	OK
12	RL	RL	SAM	01/10/25 12:50		rubina	OK
13	PB165991BL	PB165991BL	MB	01/10/25 12:50		rubina	OK
14	PB165991BS	PB165991BS	LCS	01/10/25 13:01		rubina	OK
15	Q1033-01	28612	SAM	01/10/25 13:01		rubina	OK
16	Q1033-01DUP	28612DUP	DUP	01/10/25 13:01		rubina	OK
17	Q1033-01MS	28612MS	MS	01/10/25 13:01		rubina	OK
18	Q1033-01MSD	28612MSD	MSD	01/10/25 13:01		rubina	OK

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Instrument ID: KONELAB

Daily Analysis Runlog For Sequence/QCBatch ID # LB134227

Review By	rubina	Review On	1/13/2025 8:37:45 AM
Supervise By	Iwona	Supervise On	1/13/2025 9:35:20 AM
SubDirectory	LB134227	Test	Ammonia

STD. NAME	STD REF.#
ICAL Standard	WP111350
ICV Standard	WP111352
CCV Standard	WP111351
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	WP111092
Chk Standard	WP110416,WP110019,WP108709,WP108840

19	Q1048-01	WATER TREATMENT	SAM	01/10/25 13:01		rubina	OK
20	Q1049-01	FRAC-TANK-257952	SAM	01/10/25 13:07		rubina	OK
21	CCV2	CCV2	CCV	01/10/25 13:07		rubina	OK
22	CCB2	CCB2	CCB	01/10/25 13:07		rubina	OK

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LAB CHRONICLE

OrderID:	Q1048	**OrderDate:**	1/9/2025 12:08:00 PM
Client:	VERINA CONSULTING GROUP, LLC	**Project:**	Rotor Clip - PO# 5183.0001
Contact:	Michael Valenzi	**Location:**	M11

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1048-01	**WATER TREATMENT DISCHARGE**	**WATER**			**01/09/25 10:17**			**01/09/25**
			Ammonia	SM4500-NH3		01/10/25	01/10/25 13:01	
			Residual Chlorine	SM4500 Cl G			01/09/25 14:36	

Alliance TECHNICAL GROUP

Water Ammonia Preparation Sheet

PB165991

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

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 : N/A

Start Digest Date: 01/10/2025 **Time :** 09:15 **Temp :** 150 °C

End Digest Date: 01/10/2025 **Time :** 10:15 **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: IZ

Standared Name	MLS USED	STD REF. # FROM LOG
LCSW	1.0ML	WP111092
MS/MSD SPIKE SOL.	1.0ML	WP111091
PBW	50.0ML	W3112
RL CHECK	0.1ML	WP111091
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 WP108814,

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
01/10/2025 10:30	RM (WC)	RM (WC)
	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

Water Ammonia Preparation Sheet

PB165991

Lab Sample ID	Client Sample ID	Initial Vol (ml)	Final Vol (ml)	pH	Sulfide	Oxidizing	Nitrate/ Nitrite	Comment	Prep Pos
PB165991BL	PBW991	50	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
PB165991BS	LCS991	50	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
Q1033-01	28612	50	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
Q1033-01DUP	28612DUP	50	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
Q1033-01MS	28612MS	50	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
Q1033-01MSD	28612MSD	50	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
Q1048-01	WATER TREATMENT DISCHARGE	50	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
Q1049-01	FRAC-TANK-257952	50	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A