284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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DATA PACKAGE

GENERAL CHEMISTRY
METALS

PROJECT NAME : ROTOR CLIP NJ WTD - 2025

VERINA CONSULTING GROUP, LLC

1011 US Highway 22, Suite 302

Bridgewater, NJ - 08807

Phone No: 908-864-4400

ORDER ID : Q2512

ATTENTION : Michael Valenzi

Laboratory Certification ID # 20012

Table Of Contents for Q2512

DATA OF KNOWN QUALITY CONFORMANCE/NON-CONFORMANCE SUMMARY QUESTIONNAIRE

Laboratory Name : Alliance Technical Group LLC Client : VERINA CONSULTING GROUP, LLC

Project Location : NJ Project Number : 5183.0001

Laboratory Sample ID(s) : Q2512 Sampling Date(s) : 7/03/2025

List DKQP Methods Used (e.g., 8260,8270, et Cetra) **6010D,SM4500 Cl G,SM4500-NH3,SOP**

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the NJDEP Data of Known Quality performance standards?	☑ Yes ☐ No
1A	Were the method specified handling, preservation, and holding time requirements met?	☐ Yes ☑ No
1B	EPH Method: Was the EPH method conducted without significant modifications (see Section 11.3 of respective DKQ methods)	☐ Yes ☐ No ☑ N/A
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	☑ Yes ☐ No
3	Were samples received at an appropriate temperature (4±2° C)?	☑ Yes ☐ No ☐ N/A
4	Were all QA/QC performance criteria specified in the NJDEP DKQP standards achieved?	☑ Yes ☐ No
5	a)Were reporting limits specified or referenced on the chain-of-custody or communicated to the laboratory prior to sample receipt? b)Were these reporting limits met?	☑ Yes ☐ No ☑ Yes ☐ No ☐ N/A
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the DKQP documents and/or site-specific QAPP?	☑ Yes ☐ No
7	Are project-specific matrix spikes and/or laboratory duplicates included in this data set?	☑ Yes ☐ No

Notes: For all questions to which the response was “No” (with the exception of question #7), additional information should be provided in an attached narrative. If the answer to question #1, #1A, or #1B is “No”, the data package does not meet the requirements for “Data of Known Quality.”

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Cover Page

Order ID : Q2512

Project ID : Rotor Clip NJ WTD - 2025

Client : VERINA CONSULTING GROUP, LLC

Lab Sample Number	Client Sample Number
Q2512-01	WATER TREATMENT DISCHARGE

I certify that the data package is in compliance with the terms and conditions of the contract,both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature : _____ Date: 7/14/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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CASE NARRATIVE

VERINA CONSULTING GROUP, LLC
Project Name: Rotor Clip NJ WTD - 2025
Project # N/A
Order ID # Q2512
Test Name: Metals Group4

A. Number of Samples and Date of Receipt:
1 Water sample was received on 07/03/2025.

B. Parameters:
According to the Chain of Custody document, the following analyses were requested: Ammonia, Metals Group4 and Residual Chlorine. This data package contains results for Metals Group4.

C. Analytical Techniques:
The analysis of Metals Group4 was based on method 6010D and digestion based on method 3010 (waters).

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Blank Spike met requirements for all Parameters.
The Duplicate analysis met criteria for all Parameters.
The Matrix Spike analysis met criteria for all Parameters.
The Matrix Spike Duplicate analysis met criteria for all Parameters.
The Blank analysis did not indicate the presence of lab contamination.
The Calibration met the requirements.
The Serial Dilution met the acceptable requirements.

E. Additional Comments:
FAX and Hard copy Data Not Match for Sample Q2512-01 Due to at time of FAX analysis Closing CCV and samples QC are not analyzed in sequence so Corrective action taken by Lab and sample and its QCs Re-analyses in another new sequence , so in Hard copy correct data reported.

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature_____

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CASE NARRATIVE

VERINA CONSULTING GROUP, LLC
Project Name: Rotor Clip NJ WTD - 2025
Project # N/A
Order ID # Q2512
Test Name: Ammonia,Residual Chlorine

A. Number of Samples and Date of Receipt:
1 Water sample was received on 07/03/2025.

B. Parameters:
According to the Chain of Custody document, the following analyses were requested: Ammonia, Metals Group4 and Residual Chlorine. This data package contains results for Ammonia,Residual Chlorine.

C. Analytical Techniques:
The analysis of Residual Chlorine was based on method SM4500 Cl G and The analysis of Ammonia was based on method SM4500-NH3.

D. QA/ QC Samples:
The Holding Times were met for all samples except for WATER-TREATMENT DISCHARGE of Residual Chlorine as Sample was received out of holding time.
Sample WATER-TREATMENT DISCHARGE was diluted due to high concentrations for Ammonia as N.
The Blank Spike met requirements for all parameters.
The Duplicate analysis met criteria for all parameters.
The Matrix Spike analysis met criteria for all parameters.
The Matrix Spike Duplicate analysis met criteria for all parameters.
The Blank analysis did not indicate the presence of lab contamination.
The Calibration met the requirements.

E. Additional Comments:

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature_____

284 Sheffield Street, Mountainside NJ 07092
Tel. 908-789-8900 Fax: 908-789-8922

DATA REPORTING QUALIFIERS- INORGANIC

For reporting results, the following " Results Qualifiers" are used:

J	Indicates the reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL), but greater than or equal to the Instrument Detection Limit (IDL).
U	Indicates the analyte was analyzed for, but not detected.
ND	Indicates the analyte was analyzed for, but not detected
E	Indicates the reported value is estimated because of the presence of interference
M	Indicates Duplicate injection precision not met.
N	Indicates the spiked sample recovery is not within control limits.
S	Indicates the reported value was determined by the Method of Standard Addition (MSA).
*	Indicates that the duplicate analysis is not within control limits.
+	Indicates the correlation coefficient for the MSA is less than 0.995.
D	Indicates the reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range.
M	Method qualifiers **"P"** for ICP instrument **"PM"** for ICP when Microwave Digestion is used **"CV"** for Manual Cold Vapor AA **"AV"** for automated Cold Vapor AA **"CA"** for MIDI-Distillation Spectrophotometric **"AS"** for Semi –Automated Spectrophotometric **"C"** for Manual Spectrophotometric **"T"** for Titrimetric **"NR"** for analyte not required to be analyzed
OR	Indicates the analyte's concentration exceeds the calibrated range of the instrument for that specific analysis.
Q	Indicates the LCS did not meet the control limits requirements
H	Sample Analysis Out Of Hold Time

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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q2512

	Completed
For thorough review, the report must have the following:	
GENERAL:	
Are all original paperwork present (chain of custody, record of communication,airbill, sample management lab chronicle, login page)	✓
Check chain-of-custody for proper relinquish/return of samples	✓
Is the chain of custody signed and complete	✓
Check internal chain-of-custody for proper relinquish/return of samples /sample extracts	✓
Collect information for each project id from server. Were all requirements followed	✓
COVER PAGE:	
Do numbers of samples correspond to the number of samples in the Chain of Custody on login page	✓
Do lab numbers and client Ids on cover page agree with the Chain of Custody	✓
CHAIN OF CUSTODY:	
Do requested analyses on Chain of Custody agree with form I results	✓
Do requested analyses on Chain of Custody agree with the log-in page	✓
Were the correct method log-in for analysis according to the Analytical Request and Chain of Castody	✓
Were the samples received within hold time	✓
Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle	✓
ANALYTICAL:	
Was method requirement followed?	✓
Was client requirement followed?	✓
Does the case narrative summarize all QC failure?	✓
All runlogs and manual integration are reviewed for requirements	✓
All manual calculations and /or hand notations verified	✓

QA Review Signature: MOHAMMAD AHMED **Date:** 07/14/2025

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Hit Summary Sheet
SW-846

SDG No.: Q2512 **Order ID:** Q2512

Client: VERINA CONSULTING GROUP, LLC **Project ID:** Rotor Clip NJ WTD - 2025

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : WATER TREATMENT DISCHARGE								
Q2512-01	WATER TREATMENT DISCHA	Water	Chromium	138		1.06	5.00	ug/L
Q2512-01	WATER TREATMENT DISCHA	Water	Copper	8.21	J	2.30	10.0	ug/L
Q2512-01	WATER TREATMENT DISCHA	Water	Nickel	38.8		1.53	20.0	ug/L
Q2512-01	WATER TREATMENT DISCHA	Water	Zinc	319		1.75	20.0	ug/L

SAMPLE DATA

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Report of Analysis

Client:	VERINA CONSULTING GROUP, LLC	Date Collected:	07/03/25
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
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7440-47-3	Chromium	138		1	1.06	5.00	ug/L	07/07/25 10:15	07/10/25 20:21	6010D	SW3010
7440-50-8	Copper	8.21	J	1	2.30	10.0	ug/L	07/07/25 10:15	07/10/25 20:21	6010D	SW3010
7440-02-0	Nickel	38.8		1	1.53	20.0	ug/L	07/07/25 10:15	07/10/25 20:21	6010D	SW3010
7440-66-6	Zinc	319		1	1.75	20.0	ug/L	07/07/25 10:15	07/10/25 20:21	6010D	SW3010

Color Before:	Colorless	Clarity Before:	Clear	Texture:	
Color After:	Colorless	Clarity After:	Clear	Artifacts:	
Comments:	Metals Group4				

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

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

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: VERINA CONSULTING GROUP, LLC **SDG No.:** Q2512

Contract: VERI01 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Chromium	2.12	+/-5	U	10.0	P	07/10/2025	18:55	LB136434
	Copper	4.60	+/-10	U	20.0	P	07/10/2025	18:55	LB136434
	Nickel	3.06	+/-20	U	40.0	P	07/10/2025	18:55	LB136434
	Zinc	3.50	+/-20	U	40.0	P	07/10/2025	18:55	LB136434

Alliance TECHNICAL GROUP
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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: VERINA CONSULTING GROUP, LLC **SDG No.:** Q2512

Contract: VERI01 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Chromium	2.12	+/-5	U	10.0	P	07/10/2025	19:54	LB136434
	Copper	4.60	+/-10	U	20.0	P	07/10/2025	19:54	LB136434
	Nickel	3.06	+/-20	U	40.0	P	07/10/2025	19:54	LB136434
	Zinc	3.50	+/-20	U	40.0	P	07/10/2025	19:54	LB136434
CCB02	Chromium	2.12	+/-5	U	10.0	P	07/10/2025	21:04	LB136434
	Copper	4.60	+/-10	U	20.0	P	07/10/2025	21:04	LB136434
	Nickel	3.06	+/-20	U	40.0	P	07/10/2025	21:04	LB136434
	Zinc	3.50	+/-20	U	40.0	P	07/10/2025	21:04	LB136434
CCB03	Chromium	2.12	+/-5	U	10.0	P	07/10/2025	22:36	LB136434
	Copper	4.60	+/-10	U	20.0	P	07/10/2025	22:36	LB136434
	Nickel	3.06	+/-20	U	40.0	P	07/10/2025	22:36	LB136434
	Zinc	3.50	+/-20	J	40.0	P	07/10/2025	22:36	LB136434
CCB04	Chromium	2.12	+/-5	U	10.0	P	07/10/2025	23:53	LB136434
	Copper	4.60	+/-10	U	20.0	P	07/10/2025	23:53	LB136434
	Nickel	3.06	+/-20	U	40.0	P	07/10/2025	23:53	LB136434
	Zinc	3.50	+/-20	U	40.0	P	07/10/2025	23:53	LB136434
CCB05	Chromium	2.12	+/-5	U	10.0	P	07/11/2025	00:51	LB136434
	Copper	4.60	+/-10	U	20.0	P	07/11/2025	00:51	LB136434
	Nickel	3.06	+/-20	U	40.0	P	07/11/2025	00:51	LB136434
	Zinc	3.50	+/-20	U	40.0	P	07/11/2025	00:51	LB136434
CCB06	Chromium	2.12	+/-5	U	10.0	P	07/11/2025	02:23	LB136434
	Copper	4.60	+/-10	U	20.0	P	07/11/2025	02:23	LB136434
	Nickel	3.06	+/-20	U	40.0	P	07/11/2025	02:23	LB136434
	Zinc	3.50	+/-20	U	40.0	P	07/11/2025	02:23	LB136434
CCB07	Chromium	2.12	+/-5	U	10.0	P	07/11/2025	03:26	LB136434
	Copper	4.60	+/-10	U	20.0	P	07/11/2025	03:26	LB136434
	Nickel	3.06	+/-20	U	40.0	P	07/11/2025	03:26	LB136434
	Zinc	3.50	+/-20	U	40.0	P	07/11/2025	03:26	LB136434
CCB08	Chromium	2.12	+/-5	U	10.0	P	07/11/2025	04:27	LB136434
	Copper	4.60	+/-10	U	20.0	P	07/11/2025	04:27	LB136434
	Nickel	3.06	+/-20	U	40.0	P	07/11/2025	04:27	LB136434
	Zinc	3.50	+/-20	U	40.0	P	07/11/2025	04:27	LB136434
CCB09	Chromium	2.12	+/-5	U	10.0	P	07/11/2025	05:24	LB136434
	Copper	4.60	+/-10	U	20.0	P	07/11/2025	05:24	LB136434
	Nickel	3.06	+/-20	U	40.0	P	07/11/2025	05:24	LB136434
	Zinc	3.50	+/-20	U	40.0	P	07/11/2025	05:24	LB136434
CCB10	Chromium	2.12	+/-5	U	10.0	P	07/11/2025	06:21	LB136434
	Copper	4.60	+/-10	U	20.0	P	07/11/2025	06:21	LB136434
	Nickel	3.06	+/-20	U	40.0	P	07/11/2025	06:21	LB136434

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: VERINA CONSULTING GROUP, LLC **SDG No.:** Q2512

Contract: VERI01 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB10	Zinc	3.50	+/-20	U	40.0	P	07/11/2025	06:21	LB136434
CCB11	Chromium	2.12	+/-5	U	10.0	P	07/11/2025	06:47	LB136434
	Copper	4.60	+/-10	U	20.0	P	07/11/2025	06:47	LB136434
	Nickel	3.06	+/-20	U	40.0	P	07/11/2025	06:47	LB136434
	Zinc	3.50	+/-20	U	40.0	P	07/11/2025	06:47	LB136434

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Metals
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PREPARATION BLANK SUMMARY

Client: VERINA CONSULTING GROUP, LLC **SDG No.:** Q2512

Instrument: P5

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB168739BL		**WATER**		**Batch Number:**	**PB168739**		**Prep Date:**	**07/07/2025**	
	Chromium	1.06	<2.5	U	5.00	P	07/11/2025	00:56	LB136434
	Copper	2.30	<5	U	10.0	P	07/11/2025	00:56	LB136434
	Nickel	1.53	<10	U	20.0	P	07/11/2025	00:56	LB136434
	Zinc	1.75	<10	U	20.0	P	07/11/2025	00:56	LB136434

METAL CALIBRATION DATA

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: VERINA CONSULTING GROUP, LLC **SDG No.:** Q2512

Contract: VERI01 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV01	Chromium	800	800	100	90 - 110	P	07/10/2025	18:39	LB136434
	Copper	1040	1000	104	90 - 110	P	07/10/2025	18:39	LB136434
	Nickel	1990	2000	99	90 - 110	P	07/10/2025	18:39	LB136434
	Zinc	1990	2000	100	90 - 110	P	07/10/2025	18:39	LB136434

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: VERINA CONSULTING GROUP, LLC **SDG No.:** Q2512

Contract: VERI01 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
LLICV01	Chromium	10.5	10.0	105	80 - 120	P	07/10/2025	18:51	LB136434
	Copper	21.6	20.0	108	80 - 120	P	07/10/2025	18:51	LB136434
	Nickel	39.6	40.0	99	80 - 120	P	07/10/2025	18:51	LB136434
	Zinc	46.1	40.0	115	80 - 120	P	07/10/2025	18:51	LB136434

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: VERINA CONSULTING GROUP, LLC **SDG No.:** Q2512

Contract: VERI01 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV01	Chromium	1010	1000	101	90 - 110	P	07/10/2025	19:43	LB136434
	Copper	1270	1250	102	90 - 110	P	07/10/2025	19:43	LB136434
	Nickel	2490	2500	100	90 - 110	P	07/10/2025	19:43	LB136434
	Zinc	2500	2500	100	90 - 110	P	07/10/2025	19:43	LB136434
CCV02	Chromium	962	1000	96	90 - 110	P	07/10/2025	20:59	LB136434
	Copper	1230	1250	99	90 - 110	P	07/10/2025	20:59	LB136434
	Nickel	2350	2500	94	90 - 110	P	07/10/2025	20:59	LB136434
	Zinc	2370	2500	95	90 - 110	P	07/10/2025	20:59	LB136434
CCV03	Chromium	997	1000	100	90 - 110	P	07/10/2025	22:32	LB136434
	Copper	1270	1250	102	90 - 110	P	07/10/2025	22:32	LB136434
	Nickel	2440	2500	97	90 - 110	P	07/10/2025	22:32	LB136434
	Zinc	2450	2500	98	90 - 110	P	07/10/2025	22:32	LB136434
CCV04	Chromium	957	1000	96	90 - 110	P	07/10/2025	23:29	LB136434
	Copper	1220	1250	97	90 - 110	P	07/10/2025	23:29	LB136434
	Nickel	2310	2500	92	90 - 110	P	07/10/2025	23:29	LB136434
	Zinc	2340	2500	94	90 - 110	P	07/10/2025	23:29	LB136434
CCV05	Chromium	978	1000	98	90 - 110	P	07/11/2025	00:47	LB136434
	Copper	1240	1250	100	90 - 110	P	07/11/2025	00:47	LB136434
	Nickel	2370	2500	95	90 - 110	P	07/11/2025	00:47	LB136434
	Zinc	2430	2500	97	90 - 110	P	07/11/2025	00:47	LB136434
CCV06	Chromium	978	1000	98	90 - 110	P	07/11/2025	01:47	LB136434
	Copper	1240	1250	99	90 - 110	P	07/11/2025	01:47	LB136434
	Nickel	2370	2500	95	90 - 110	P	07/11/2025	01:47	LB136434
	Zinc	2440	2500	98	90 - 110	P	07/11/2025	01:47	LB136434
CCV07	Chromium	961	1000	96	90 - 110	P	07/11/2025	03:17	LB136434
	Copper	1180	1250	94	90 - 110	P	07/11/2025	03:17	LB136434
	Nickel	2320	2500	93	90 - 110	P	07/11/2025	03:17	LB136434
	Zinc	2380	2500	95	90 - 110	P	07/11/2025	03:17	LB136434
CCV08	Chromium	987	1000	99	90 - 110	P	07/11/2025	04:18	LB136434
	Copper	1220	1250	98	90 - 110	P	07/11/2025	04:18	LB136434
	Nickel	2370	2500	95	90 - 110	P	07/11/2025	04:18	LB136434
	Zinc	2440	2500	98	90 - 110	P	07/11/2025	04:18	LB136434
CCV09	Chromium	1000	1000	100	90 - 110	P	07/11/2025	05:19	LB136434
	Copper	1250	1250	100	90 - 110	P	07/11/2025	05:19	LB136434

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: VERINA CONSULTING GROUP, LLC **SDG No.:** Q2512

Contract: VERI01 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV09	Nickel	2370	2500	95	90 - 110	P	07/11/2025	05:19	LB136434
	Zinc	2500	2500	100	90 - 110	P	07/11/2025	05:19	LB136434
CCV10	Chromium	988	1000	99	90 - 110	P	07/11/2025	06:16	LB136434
	Copper	1220	1250	98	90 - 110	P	07/11/2025	06:16	LB136434
	Nickel	2360	2500	94	90 - 110	P	07/11/2025	06:16	LB136434
	Zinc	2470	2500	99	90 - 110	P	07/11/2025	06:16	LB136434
CCV11	Chromium	982	1000	98	90 - 110	P	07/11/2025	06:43	LB136434
	Copper	1210	1250	97	90 - 110	P	07/11/2025	06:43	LB136434
	Nickel	2340	2500	94	90 - 110	P	07/11/2025	06:43	LB136434
	Zinc	2440	2500	98	90 - 110	P	07/11/2025	06:43	LB136434

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Metals

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CRDL STANDARD FOR AA & ICP

Client: VERINA CONSULTING GROUP, LLC **SDG No.:** Q2512

Contract: VERI01 **Lab Code:** ACE

Initial Calibration Source:

Continuing Calibration Source:

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CRI01	Chromium	10.5	10.0	105	65 - 135	P	07/10/2025	19:01	LB136434
	Copper	20.6	20.0	103	65 - 135	P	07/10/2025	19:01	LB136434
	Nickel	37.1	40.0	93	65 - 135	P	07/10/2025	19:01	LB136434
	Zinc	44.6	40.0	112	65 - 135	P	07/10/2025	19:01	LB136434

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Metals
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INTERFERENCE CHECK SAMPLE

Client: VERINA CONSULTING GROUP, LLC **SDG No.:** Q2512

Contract: VERI01 **Lab Code:** ACE

ICS Source: EPA **Instrument ID:** P5

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Low Limit (ug/L)	High Limit (ug/L)	Analysis Date	Analysis Time	Run Number
ICSA01	Chromium	48.9	52.0	94	42	62	07/10/2025	19:11	LB136434
	Copper	-9.61	2.0	480	-18	22	07/10/2025	19:11	LB136434
	Nickel	16.4	2.0	820	-38	42	07/10/2025	19:11	LB136434
	Zinc	11.0			-40	40	07/10/2025	19:11	LB136434
ICSAB01	Chromium	548	540	102	460	624	07/10/2025	19:15	LB136434
	Copper	468	510	92	434	588	07/10/2025	19:15	LB136434
	Nickel	971	950	102	810	1100	07/10/2025	19:15	LB136434
	Zinc	983	950	104	809	1095	07/10/2025	19:15	LB136434

METAL QC DATA

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metals
- 5a -
MATRIX SPIKE SUMMARY

client: VERINA CONSULTING GROUP, LLC **level:** low **sdg no.:** Q2512

contract: VERI01 **lab code:** ACE

matrix: Water **sample id:** Q2512-01 **client id:** WATER TREATMENT DISCHARGEMS

Percent Solids for Sample: NA **Spiked ID:** Q2512-01MS **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Chromium	ug/L	75 - 125	336		138		200	99		P
Copper	ug/L	75 - 125	142		8.21	J	150	89		P
Nickel	ug/L	75 - 125	298		38.8		250	104		P
Zinc	ug/L	75 - 125	407		319		100	88		P

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metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: VERINA CONSULTING GROUP, LLC **level:** low **sdg no.:** Q2512

contract: VERI01 **lab code:** ACE

matrix: Water **sample id:** Q2512-01 **client id:** WATER TREATMENT DISCHARGEMSD

Percent Solids for Sample: NA **Spiked ID:** Q2512-01MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Chromium	ug/L	75 - 125	337		138		200	99		P
Copper	ug/L	75 - 125	145		8.21	J	150	91		P
Nickel	ug/L	75 - 125	304		38.8		250	106		P
Zinc	ug/L	75 - 125	412		319		100	93		P

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Metals
- 5b -

Client: VERINA CONSULTING GROUP, LLC **SDG No.:** Q2512

Contract: VERI01 **Lab Code:** ACE

Matrix: **Level:** LOW **Client ID:**

Sample ID: **Spiked ID:**

Analyte	Units	Acceptance Limit %R	C	Sample Result	C	Spike Added	% Recovery	Qual	M

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Metals

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DUPLICATE SAMPLE SUMMARY

Client: VERINA CONSULTING GROUP, LLC **Level:** LOW **SDG No.:** Q2512

Contract: VERI01 **Lab Code:** ACE

Matrix: Water **Sample ID:** Q2512-01 **Client ID:** WATER TREATMENT DISCHARGEDU

Percent Solids for Sample: NA **Duplicate ID** Q2512-01DUP **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Chromium	ug/L	20	138		134		3		P
Copper	ug/L	20	8.21	J	7.68	J	7		P
Nickel	ug/L	20	38.8		37.4		4		P
Zinc	ug/L	20	319		301		6		P

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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Metals

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DUPLICATE SAMPLE SUMMARY

Client: VERINA CONSULTING GROUP, LLC **Level:** LOW **SDG No.:** Q2512

Contract: VERI01 **Lab Code:** ACE

Matrix: Water **Sample ID:** Q2512-01MS **Client ID:** WATER TREATMENT DISCHARGEMS

Percent Solids for Sample: NA **Duplicate ID** Q2512-01MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Chromium	ug/L	20	336		337		0		P
Copper	ug/L	20	142		145		2		P
Nickel	ug/L	20	298		304		2		P
Zinc	ug/L	20	407		412		1		P

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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Metals

LABORATORY CONTROL SAMPLE SUMMARY

Client: VERINA CONSULTING GROUP, LLC **SDG No.:** Q2512

Contract: VERI01 **Lab Code:** ACE

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB168739BS							
Chromium	ug/L	200	198		99	80 - 120	P
Copper	ug/L	150	162		108	80 - 120	P
Nickel	ug/L	250	233		93	80 - 120	P
Zinc	ug/L	100	100		100	80 - 120	P

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Metals

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ICP SERIAL DILUTIONS

SAMPLE NO.

WATER TREATMENT DISCHARGEL

Lab Name: Alliance **Contract:** VERI01

Lab Code: ACE **Lb No.:** lb136434 **Lab Sample ID :** Q2512-01L **SDG No.:** Q2512

Matrix (soil/water): Water **Level (low/med):** LOW

Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Chromium	138		136		2		P
Copper	8.21	J	50.0	U	100.0		P
Nickel	38.8		36.0	J	7		P
Zinc	319		300		6		P

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metals
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ANALYSIS RUN LOG

Client: VERINA CONSULTING GROUP, LLC **Contract:** VERI01

Lab code: ACE **Sdg no.:** Q2512

Instrument id number: **Method:** **Run number:** LB136434

Start date: 07/10/2025 **End date:** 07/11/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1646	Cr,Cu,Ni,Zn
S1	S1	1	1650	Cr,Cu,Ni,Zn
S2	S2	1	1655	Cr,Cu,Ni,Zn
S3	S3	1	1659	Cr,Cu,Ni,Zn
S4	S4	1	1703	Cr,Cu,Ni,Zn
S5	S5	1	1707	Cr,Cu,Ni,Zn
ICV01	ICV01	1	1839	Cr,Cu,Ni,Zn
LLICV01	LLICV01	1	1851	Cr,Cu,Ni,Zn
ICB01	ICB01	1	1855	Cr,Cu,Ni,Zn
CRI01	CRI01	1	1901	Cr,Cu,Ni,Zn
ICSA01	ICSA01	1	1911	Cr,Cu,Ni,Zn
ICSAB01	ICSAB01	1	1915	Cr,Cu,Ni,Zn
CCV01	CCV01	1	1943	Cr,Cu,Ni,Zn
CCB01	CCB01	1	1954	Cr,Cu,Ni,Zn
Q2512-01	WATER TREATMENT DISCHA	1	2021	Cr,Cu,Ni,Zn
CCV02	CCV02	1	2059	Cr,Cu,Ni,Zn
CCB02	CCB02	1	2104	Cr,Cu,Ni,Zn
Q2512-01DUP	WATER TREATMENT DISCHA	1	2127	Cr,Cu,Ni,Zn
Q2512-01L	WATER TREATMENT DISCHA	5	2136	Cr,Cu,Ni,Zn
Q2512-01MS	WATER TREATMENT DISCHA	1	2150	Cr,Cu,Ni,Zn
Q2512-01MSD	WATER TREATMENT DISCHA	1	2159	Cr,Cu,Ni,Zn
CCV03	CCV03	1	2232	Cr,Cu,Ni,Zn
CCB03	CCB03	1	2236	Cr,Cu,Ni,Zn
CCV04	CCV04	1	2329	Cr,Cu,Ni,Zn
CCB04	CCB04	1	2353	Cr,Cu,Ni,Zn
CCV05	CCV05	1	0047	Cr,Cu,Ni,Zn
CCB05	CCB05	1	0051	Cr,Cu,Ni,Zn
PB168739BL	PB168739BL	1	0056	Cr,Cu,Ni,Zn
PB168739BS	PB168739BS	1	0100	Cr,Cu,Ni,Zn
CCV06	CCV06	1	0147	Cr,Cu,Ni,Zn
CCB06	CCB06	1	0223	Cr,Cu,Ni,Zn
CCV07	CCV07	1	0317	Cr,Cu,Ni,Zn
CCB07	CCB07	1	0326	Cr,Cu,Ni,Zn
CCV08	CCV08	1	0418	Cr,Cu,Ni,Zn
CCB08	CCB08	1	0427	Cr,Cu,Ni,Zn
CCV09	CCV09	1	0519	Cr,Cu,Ni,Zn
CCB09	CCB09	1	0524	Cr,Cu,Ni,Zn
CCV10	CCV10	1	0616	Cr,Cu,Ni,Zn
CCB10	CCB10	1	0621	Cr,Cu,Ni,Zn
CCV11	CCV11	1	0643	Cr,Cu,Ni,Zn
CCB11	CCB11	1	0647	Cr,Cu,Ni,Zn

METAL PREPARATION & INSTRUMENT DATA

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Metals
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ICP INTERELEMENT CORRECTION FACTORS

Client: VERINA CONSULTING GROUP, LLC **SDG No.:** Q2512

Contract: VERI01 **Lab Code:** ACE

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: Al	Ca	Fe	Mg	Ag
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

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Metals
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ICP INTERELEMENT CORRECTION FACTORS

Client: VERINA CONSULTING GROUP, LLC **SDG No.:** Q2512

Contract: VERI01 **Lab Code:** ACE

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: As	Ba	Be	Cd	Co
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

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Metals
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ICP INTERELEMENT CORRECTION FACTORS

Client: VERINA CONSULTING GROUP, LLC **SDG No.:** Q2512

Contract: VERI01 **Lab Code:** ACE

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: Cr	Cu	K	Mn	Mo
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

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Metals
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ICP INTERELEMENT CORRECTION FACTORS

Client: VERINA CONSULTING GROUP, LLC **SDG No.:** Q2512

Contract: VERI01 **Lab Code:** ACE

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: Na	Ni	Pb	Sb	Se
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

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Metals
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ICP INTERELEMENT CORRECTION FACTORS

Client: VERINA CONSULTING GROUP, LLC **SDG No.:** Q2512

Contract: VERI01 **Lab Code:** ACE

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: Sn	Ti	Tl	V	Zn
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

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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**			**07/03/25**
			Metals Group4	6010D		07/07/25	07/10/25	

METAL PREPARATION & ANALYICAL SUMMARY

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Metals
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SAMPLE PREPARATION SUMMARY

Client: VERINA CONSULTING GROUP, LLC **SDG No.:** Q2512

Contract: VERI01 **Lab Code:** ACE **Method:**

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(mL)	Final Sample Volume (mL)	Percent Solids
Batch Number:	**PB168739**						
PB168739BL	PB168739BL	MB	WATER	07/07/2025	50.0	25.0	
PB168739BS	PB168739BS	LCS	WATER	07/07/2025	50.0	25.0	
Q2512-01	WATER TREATMENT DISCHARGE	SAM	WATER	07/07/2025	50.0	25.0	
Q2512-01DUP	WATER TREATMENT DISCHARGEDUP	DUP	WATER	07/07/2025	50.0	25.0	
Q2512-01MS	WATER TREATMENT DISCHARGEMS	MS	WATER	07/07/2025	50.0	25.0	
Q2512-01MSD	WATER TREATMENT DISCHARGEMSD	MSD	WATER	07/07/2025	50.0	25.0	

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Instrument ID: P5

Daily Analysis Runlog For Sequence/QCBatch ID # LB136434

Review By	jaswal	Review On	7/12/2025 3:14:54 AM
Supervise By	janvi	Supervise On	7/14/2025 9:24:14 AM

STD. NAME	STD REF.#
ICAL Standard	MP86192,MP86193,MP86194,MP86195,MP86196,MP86212
ICV Standard	MP86219
CCV Standard	MP86216
ICSA Standard	MP86214,MP86220
CRI Standard	MP86212
LCS Standard	
Chk Standard	MP86217,MP86218

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	07/10/25 16:46		Janvi	OK
2	S1	S1	CAL2	07/10/25 16:50		Janvi	OK
3	S2	S2	CAL3	07/10/25 16:55		Janvi	OK
4	S3	S3	CAL4	07/10/25 16:59		Janvi	OK
5	S4	S4	CAL5	07/10/25 17:03		Janvi	OK
6	S5	S5	CAL6	07/10/25 17:07		Janvi	OK
7	ICV01	ICV01	ICV	07/10/25 18:39	ICV fail for K,Ag (200.7) (95-105)	Janvi	OK
8	LLICV01	LLICV01	LLICV	07/10/25 18:51		Janvi	OK
9	ICB01	ICB01	ICB	07/10/25 18:55		Janvi	OK
10	CRI01	CRI01	CRDL	07/10/25 19:01		Janvi	OK
11	ICSA01	ICSA01	ICSA	07/10/25 19:11		Janvi	OK
12	ICSAB01	ICSAB01	ICSAB	07/10/25 19:15		Janvi	OK
13	ICSADL	ICSADL	ICSA	07/10/25 19:20		Janvi	OK
14	ICSABDL	ICSABDL	ICSAB	07/10/25 19:24		Janvi	OK
15	CCV01	CCV01	CCV	07/10/25 19:43		Janvi	OK
16	CCB01	CCB01	CCB	07/10/25 19:54		Janvi	OK
17	Q2532-01	001-WILLETS-PT-BL	SAM	07/10/25 19:58		Janvi	OK
18	Q2532-02	002-35th-Ave(May)	SAM	07/10/25 20:03		Janvi	OK

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Instrument ID: P5

Daily Analysis Runlog For Sequence/QCBatch ID # LB136434

Review By	jaswal	Review On	7/12/2025 3:14:54 AM
Supervise By	janvi	Supervise On	7/14/2025 9:24:14 AM

STD. NAME	STD REF.#
ICAL Standard	MP86192,MP86193,MP86194,MP86195,MP86196,MP86212
ICV Standard	MP86219
CCV Standard	MP86216
ICSA Standard	MP86214,MP86220
CRI Standard	MP86212
LCS Standard	
Chk Standard	MP86217,MP86218

19	Q2533-01	001 WILLETS PT BLV	SAM	07/10/25 20:08		Janvi	OK
20	Q2533-02	002-35th-Ave(JUNE)	SAM	07/10/25 20:12		Janvi	OK
21	Q2509-01	AUD-25-0110-0111	SAM	07/10/25 20:17		Janvi	OK
22	Q2512-01	WATER TREATMENT	SAM	07/10/25 20:21		Janvi	OK
23	Q2520-04	A-4	SAM	07/10/25 20:26		Janvi	OK
24	Q2520-04DUP	A-4DUP	DUP	07/10/25 20:30	Wrong Qc	Janvi	Not Ok
25	Q2520-04L	A-4L	SD	07/10/25 20:35	Wrong Qc	Janvi	Not Ok
26	Q2520-04MS	A-4MS	MS	07/10/25 20:55	Wrong Qc , confirm wt/vol	Janvi	Not Ok
27	CCV02	CCV02	CCV	07/10/25 20:59		Janvi	OK
28	CCB02	CCB02	CCB	07/10/25 21:04		Janvi	OK
29	Q2520-04MSD	A-4MSD	MSD	07/10/25 21:09	Wrong Qc , confirm wt/vol	Janvi	Not Ok
30	Q2520-04A	A-4A	PS	07/10/25 21:14	Wrong Qc	Janvi	Not Ok
31	PB168772BL	PB168772BL	MB	07/10/25 21:18	LCS fail for Fe	Janvi	Not Ok
32	Q2512-01DUP	WATER TREATMENT	DUP	07/10/25 21:27	K oversaturated	Janvi	Dilution
33	PB168772BS	PB168772BS	LCS	07/10/25 21:31	LCS fail for Fe	Janvi	Not Ok
34	Q2512-01L	WATER TREATMENT	SD	07/10/25 21:36		Janvi	OK
35	Q2512-01MS	WATER TREATMENT	MS	07/10/25 21:50	K oversaturated	Janvi	Dilution
36	Q2512-01MSD	WATER TREATMENT	MSD	07/10/25 21:59	K oversaturated	Janvi	Dilution
37	Q2512-01A	WATER TREATMENT	PS	07/10/25 22:03	K oversaturated	Janvi	Dilution
38	PB168705TB	PB168705TB	MB	07/10/25 22:07		Janvi	OK

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Instrument ID: P5

Daily Analysis Runlog For Sequence/QCBatch ID # LB136434

Review By	jaswal	Review On	7/12/2025 3:14:54 AM
Supervise By	janvi	Supervise On	7/14/2025 9:24:14 AM

STD. NAME	STD REF.#
ICAL Standard	MP86192,MP86193,MP86194,MP86195,MP86196,MP86212
ICV Standard	MP86219
CCV Standard	MP86216
ICSA Standard	MP86214,MP86220
CRI Standard	MP86212
LCS Standard	
Chk Standard	MP86217,MP86218

39	CCV03	CCV03	CCV	07/10/25 22:32		Janvi	OK
40	CCB03	CCB03	CCB	07/10/25 22:36		Janvi	OK
41	Q2477-01	50728	SAM	07/10/25 22:41	confirm wt/vol	Janvi	OK
42	Q2477-01DUP	50728DUP	DUP	07/10/25 22:45		Janvi	OK
43	Q2477-01L	50728L	SD	07/10/25 22:49		Janvi	OK
44	Q2477-01MS	50728MS	MS	07/10/25 22:54		Janvi	OK
45	Q2477-01MSD	50728MSD	MSD	07/10/25 22:58		Janvi	OK
46	Q2477-01A	50728A	PS	07/10/25 23:02		Janvi	OK
47	Q2473-07	PIT#3	SAM	07/10/25 23:07		Janvi	OK
48	Q2473-08	PIT#4	SAM	07/10/25 23:11		Janvi	OK
49	PB168748BL	PB168748BL	MB	07/10/25 23:16		Janvi	OK
50	PB168748BS	PB168748BS	LCS	07/10/25 23:20		Janvi	OK
51	CCV04	CCV04	CCV	07/10/25 23:29		Janvi	OK
52	CCB04	CCB04	CCB	07/10/25 23:53		Janvi	OK
53	Q2512-01DL	WATER TREATMENT	SAM	07/10/25 23:57	5x for K	Janvi	Confirms
54	Q2512-01DUPDL	WATER TREATMENT	DUP	07/11/25 00:02	5x for K	Janvi	Confirms
55	Q2512-01LDL	WATER TREATMENT	SD	07/11/25 00:07		Janvi	OK
56	Q2512-01MSDL	WATER TREATMENT	MS	07/11/25 00:11	5x for K	Janvi	Confirms
57	Q2512-01MSDDL	WATER TREATMENT	MSD	07/11/25 00:16	5x for K	Janvi	Confirms
58	Q2512-01ADL	WATER TREATMENT	PS	07/11/25 00:20	5x for K	Janvi	Confirms

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Instrument ID: P5

Daily Analysis Runlog For Sequence/QCBatch ID # LB136434

Review By	jaswal	Review On	7/12/2025 3:14:54 AM
Supervise By	janvi	Supervise On	7/14/2025 9:24:14 AM

STD. NAME	STD REF.#
ICAL Standard	MP86192,MP86193,MP86194,MP86195,MP86196,MP86212
ICV Standard	MP86219
CCV Standard	MP86216
ICSA Standard	MP86214,MP86220
CRI Standard	MP86212
LCS Standard	
Chk Standard	MP86217,MP86218

59	PB168712BL	PB168712BL	MB	07/11/25 00:25		Janvi	OK
60	PB168712BS	PB168712BS	LCS	07/11/25 00:30		Janvi	OK
61	PB168740BL	PB168740BL	MB	07/11/25 00:34		Janvi	OK
62	PB168740BS	PB168740BS	LCS	07/11/25 00:38		Janvi	OK
63	CCV05	CCV05	CCV	07/11/25 00:47		Janvi	OK
64	CCB05	CCB05	CCB	07/11/25 00:51		Janvi	OK
65	PB168739BL	PB168739BL	MB	07/11/25 00:56		Janvi	OK
66	PB168739BS	PB168739BS	LCS	07/11/25 01:00		Janvi	OK
67	Q2481-01DL	CC0627-ALDL	SAM	07/11/25 01:04	Straight 10x for All elements	Janvi	OK
68	Q2481-01DUPDL	CC0627-ALDUPDL	DUP	07/11/25 01:09	Straight 10x for All elements	Janvi	OK
69	Q2481-01LDL	CC0627-ALLDL	SD	07/11/25 01:14	Straight 50x for All elements	Janvi	OK
70	Q2481-01MSDL	CC0627-ALMSDL	MS	07/11/25 01:19	Straight 10x for All elements	Janvi	OK
71	Q2481-01MSDDL	CC0627-ALMSDDL	MSD	07/11/25 01:24	Straight 10x for All elements	Janvi	OK
72	Q2481-01ADL	CC0627-ALADL	PS	07/11/25 01:29	Straight 10x for All elements	Janvi	OK
73	Q2481-02DL	CC0627-CLOXPLDL	SAM	07/11/25 01:34	Straight 10x for All elements	Janvi	OK
74	Q2481-03DL	CC0625-OXBLDL	SAM	07/11/25 01:39	Straight 10x for All elements	Janvi	OK
75	CCV06	CCV06	CCV	07/11/25 01:47		Janvi	OK

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Instrument ID: P5

Daily Analysis Runlog For Sequence/QCBatch ID # LB136434

Review By	jaswal	Review On	7/12/2025 3:14:54 AM
Supervise By	janvi	Supervise On	7/14/2025 9:24:14 AM

STD. NAME	STD REF.#
ICAL Standard	MP86192,MP86193,MP86194,MP86195,MP86196,MP86212
ICV Standard	MP86219
CCV Standard	MP86216
ICSA Standard	MP86214,MP86220
CRI Standard	MP86212
LCS Standard	
Chk Standard	MP86217,MP86218

76	CCB06	CCB06	CCB	07/11/25 02:23		Janvi	OK
77	Q2481-04DL	CC0627-AOXLDL	SAM	07/11/25 02:27	Straight 5x for All elements	Janvi	OK
78	Q2481-05DL	CC0625-NLDL	SAM	07/11/25 02:32	Straight 5x for All elements	Janvi	OK
79	Q2481-06DL	CC0267-OXPLDL	SAM	07/11/25 02:36	Straight 5x for All elements	Janvi	OK
80	Q2481-07DL	CC0627-OXLDL	SAM	07/11/25 02:41	Straight 5x for All elements	Janvi	OK
81	Q2481-08	CC0627-CLOXAL	SAM	07/11/25 02:45		Janvi	OK
82	Q2481-09DL	CC0627-BLDL	SAM	07/11/25 02:50	Straight 10x for All elements	Janvi	OK
83	Q2481-10DL	CC0627-SFBLDL	SAM	07/11/25 02:55	Straight 5x for All elements	Janvi	OK
84	Q2481-03DL2	CC0625-OXBLDL2	SAM	07/11/25 02:59	NOT USE	Janvi	Not Ok
85	Q2487-11DL	G3(0-6)DL	SAM	07/11/25 03:04	5x for Zn, Still Zn high	Janvi	Dilution
86	Q2487-16DL	G1(6-12)DL	SAM	07/11/25 03:08	5x for Zn, Still Zn high	Janvi	Dilution
87	CCV07	CCV07	CCV	07/11/25 03:17		Janvi	OK
88	CCB07	CCB07	CCB	07/11/25 03:26		Janvi	OK
89	Q2487-14DL	G2(6-12)DL	SAM	07/11/25 03:30	5x for Zn	Janvi	Confirms
90	Q2520-21	A-21	SAM	07/11/25 03:34		Janvi	OK
91	Q2520-22	A-22	SAM	07/11/25 03:39		Janvi	OK
92	Q2520-23	A-23	SAM	07/11/25 03:43		Janvi	OK
93	PB168771BL	PB168771BL	MB	07/11/25 03:48		Janvi	OK
94	PB168771BS	PB168771BS	LCS	07/11/25 03:52		Janvi	OK

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Instrument ID: P5

Daily Analysis Runlog For Sequence/QCBatch ID # LB136434

Review By	jaswal	Review On	7/12/2025 3:14:54 AM
Supervise By	janvi	Supervise On	7/14/2025 9:24:14 AM

STD. NAME	STD REF.#
ICAL Standard	MP86192,MP86193,MP86194,MP86195,MP86196,MP86212
ICV Standard	MP86219
CCV Standard	MP86216
ICSA Standard	MP86214,MP86220
CRI Standard	MP86212
LCS Standard	
Chk Standard	MP86217,MP86218

95	Q2520-01	A-1	SAM	07/11/25 03:56		Janvi	OK
96	Q2520-02	A-2	SAM	07/11/25 04:01		Janvi	OK
97	Q2520-03	A-3	SAM	07/11/25 04:05		Janvi	OK
98	Q2520-04RE	A-4RE	SAM	07/11/25 04:10	NOT USE	Janvi	Not Ok
99	CCV08	CCV08	CCV	07/11/25 04:18		Janvi	OK
100	CCB08	CCB08	CCB	07/11/25 04:27	CCB fail for Ag	Janvi	OK
101	Q2520-05	A-5	SAM	07/11/25 04:31		Janvi	OK
102	Q2520-06	A-6	SAM	07/11/25 04:36	Bad injection	Janvi	Not Ok
103	Q2520-07	A-7	SAM	07/11/25 04:40		Janvi	OK
104	Q2520-08	A-8	SAM	07/11/25 04:44		Janvi	OK
105	Q2520-09	A-9	SAM	07/11/25 04:49		Janvi	OK
106	Q2520-10	A-10	SAM	07/11/25 04:53		Janvi	OK
107	Q2520-11	A-11	SAM	07/11/25 04:58		Janvi	OK
108	Q2520-12	A-12	SAM	07/11/25 05:02		Janvi	OK
109	Q2520-13	A-13	SAM	07/11/25 05:06		Janvi	OK
110	Q2520-14	A-14	SAM	07/11/25 05:11		Janvi	OK
111	CCV09	CCV09	CCV	07/11/25 05:19		Janvi	OK
112	CCB09	CCB09	CCB	07/11/25 05:24		Janvi	OK
113	Q2520-15	A-15	SAM	07/11/25 05:33		Janvi	OK
114	Q2520-16	A-16	SAM	07/11/25 05:37		Janvi	OK

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Instrument ID: P5

Daily Analysis Runlog For Sequence/QCBatch ID # LB136434

Review By	jaswal	Review On	7/12/2025 3:14:54 AM
Supervise By	janvi	Supervise On	7/14/2025 9:24:14 AM

STD. NAME	STD REF.#
ICAL Standard	MP86192,MP86193,MP86194,MP86195,MP86196,MP86212
ICV Standard	MP86219
CCV Standard	MP86216
ICSA Standard	MP86214,MP86220
CRI Standard	MP86212
LCS Standard	
Chk Standard	MP86217,MP86218

115	Q2520-17	A-17	SAM	07/11/25 05:41		Janvi	OK
116	Q2520-18	A-18	SAM	07/11/25 05:46		Janvi	OK
117	Q2520-19	A-19	SAM	07/11/25 05:50		Janvi	OK
118	Q2520-20	A-20	SAM	07/11/25 05:55		Janvi	OK
119	Q2520-20DUP	A-20DUP	DUP	07/11/25 05:59		Janvi	OK
120	Q2520-20L	A-20L	SD	07/11/25 06:03		Janvi	OK
121	Q2520-20MS	A-20MS	MS	07/11/25 06:08		Janvi	OK
122	CCV10	CCV10	CCV	07/11/25 06:16		Janvi	OK
123	CCB10	CCB10	CCB	07/11/25 06:21		Janvi	OK
124	Q2520-20MSD	A-20MSD	MSD	07/11/25 06:30		Janvi	OK
125	Q2520-20A	A-20A	PS	07/11/25 06:34		Janvi	OK
126	CCV11	CCV11	CCV	07/11/25 06:43		Janvi	OK
127	CCB11	CCB11	CCB	07/11/25 06:47		Janvi	OK

Alliance TECHNICAL GROUP

Water Metals Preparation Sheet

PB168739

SOP ID : M3010A-Digestion-17

SDG No : N/A

Matrix : WATER

Pippete ID: ICP A

Balance ID : N/A

Filter paper ID : N/A

pH Strip ID : M6069

Hood ID : #3

Block ID: 1. HOT BLOCK #2 2. N/A

Start Digest Date: 07/07/2025 **Time :** 10:15 **Temp :** 96 °C

End Digest Date: 07/07/2025 **Time :** 13:20 **Temp :** 96 °C

Digestion tube ID: M5595

Block thermometer ID: MET-DIG. #1

Dig Technician Signature: SKB.

Supervisor Signature: [signature]

Temp : 1. 96°C 2. N/A

Standared Name	MLS USED	STD REF. # FROM LOG
LFS-1	0.25	M6007
LFS-2	0.25	M6015
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
CONC: HNO3	3.00	M6158
1:1 HCL	5.00	MP85156
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
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

HOT BLOCK#1 CELL#50 96 C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
07/07/25 14:20	SKB.met dig	[signature] /Met lab
	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

Water Metals Preparation Sheet

PB168739

Lab Sample ID	Client Sample ID	pH	Initial Vol (ml)	Final Vol (ml)	Color Before	Color After	Clarity Before	Clarity After	Comment	Prep Pos
PB168739BL	PBW739	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	1
PB168739BS	LCS739	<2	50	25	Colorless	Colorless	Clear	Clear	M6005,M6016	2
Q2488-01	RW8-SP100-20250701	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	3
Q2488-02	RW8-SP303-20250701	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	4
Q2503-01	GCAP2W	<2	50	25	Brown	Colorless	Cloudy	Clear	N/A	5
Q2509-01	AUD-25-0110-0111	<2	50	25	Brown	Colorless	Cloudy	Clear	N/A	6
Q2512-01	WATER-TREATMENT DISCHARGE	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	7
Q2512-01MS	WATER-TREATMENT DISCHARGEMS	<2	50	25	Colorless	Colorless	Clear	Clear	M6005,M6016	9
Q2512-01MSD	WATER-TREATMENT DISCHARGEMSD	<2	50	25	Colorless	Colorless	Clear	Clear	M6005,M6016	10
Q2512-01DUP	WATER-TREATMENT DISCHARGEDUP	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	8

SAMPLE DATA

Alliance TECHNICAL GROUP
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:	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

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:	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

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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

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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

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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

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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

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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

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

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

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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

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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

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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**

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Fax : 908 789 8922

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

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

Instrument ID: SPECTROPHOTOMETER-1

Daily Analysis Runlog For Sequence/QCBatch 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

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Instrument ID: KONELAB

Daily Analysis Runlog For Sequence/QCBatch 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

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Instrument ID: KONELAB

Daily Analysis Runlog For Sequence/QCBatch 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

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Instrument ID: KONELAB

Daily Analysis Runlog For Sequence/QCBatch 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

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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	

Alliance TECHNICAL GROUP

Water Ammonia Preparation Sheet

PB168758

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: 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

Standared 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 (WC)	RM (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
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

SHIPPING DOCUMENTS

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 · Fax (908) 789-8922
www.chemtech.net

ALLIANCE PROJECT NO.
QUOTE NO. Q2512
COC Number 2047538

7
7.1

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: VERINA CONSULTING GROUP
ADDRESS: 1011 US HIGHWAY 22 SUITE 302
CITY BRIDGEWATER STATE: NJ ZIP: 08807
ATTENTION: MICHAEL VALENZI
PHONE: 908 864 4400 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: ROTOR CLIP
PROJECT NO.: 5183 0001 LOCATION: NJ
PROJECT MANAGER: MICHAEL VALENZI
e-mail: MVALENZI@VCG-LLC.COM SMACCARTER@VCG-LLC.COM
PHONE: 908 864 4400 FAX: 908 864 4401

CLIENT BILLING INFORMATION

BILL TO: SEE LEFT PO#:
ADDRESS:
CITY STATE: ZIP:
ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

FAX (RUSH) 5 DAYS*
HARDCOPY (DATA PACKAGE): 5 DAYS*
EDD: 5 DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

DATA DELIVERABLE INFORMATION

- ☐ Level 1 (Results Only)
- ☐ Level 2 (Results + QC)
- ☐ Level 3 (Results + QC + Raw Data)
- ☐ Level 4 (QC + Full Raw Data)
- ☐ NJ Reduced ☐ US EPA CLP
- ☐ NYS ASP A ☐ NYS ASP B
- ☐ Other
- ☐ EDD FORMAT

ANALYSIS

1: Cr Cu Ni Zn
2: CHLORINE DEMAND
3: AMMONIA
4
5
6
7
8
9

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1	2	3	4	5	6	7	8	9	COMMENTS
								B	E	C							← Specify Preservatives A-HCl D-NaOH B-HN03 E-ICE C-H2SO4 F-OTHER
1.	WATER TREATMENT DISCHARGE	WW	X		7/3	10:10	3	X	X	X							
2.																	
3.																	
4.																	
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

	DATE/TIME		
RELINQUISHED BY SAMPLER: 1. Mahmahi	DATE/TIME: 1233 7/3/25	RECEIVED BY: 1.	1233 7-3-25
RELINQUISHED BY SAMPLER: 2.	DATE/TIME:	RECEIVED BY: 2.	
RELINQUISHED BY SAMPLER: 3.	DATE/TIME: 1412 7-3-25	RECEIVED BY: 3.	

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 2.8 °C
Comments: FLOW RATE – 41
PH RATE – 9.7
TEMPERATURE – 77.9
METALS GROUP 4 – Cr Cu Ni Zn

Page ____ of
CLIENT: ☐ Hand Delivered ☐ Other
Shipment Complete ☐ YES ☐ NO

WHITE - ALLIANCE COPY FOR RETURN TO CLIENT YELLOW - ALLIANCE COPY PINK - SAMPLER COPY

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488