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 : Q1930

ATTENTION : Michael Valenzi

Laboratory Certification ID # 20012

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Cover Page

Order ID : Q1930

Project ID : Rotor Clip NJ WTD - 2025

Client : VERINA CONSULTING GROUP, LLC

Lab Sample Number	Client Sample Number
Q1930-01	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: 5/9/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

DATA OF KNOWN QUALITY CONFORMANCE/NON-CONFORMANCE SUMMARY QUESTIONNAIRE

Laboratory Name : Alliance Technical Group
Client : VERINA CONSULTING GROUP, LLC
Project Location : NJ
Project Number : 5183.0001
Laboratory Sample ID(s) : Q1930
Sampling Date(s) : 05/01/2025
List DKQP Methods Used (e.g., 8260,8270, et Cetra) **6010D,SM4500 Cl G,SM4500-NH3**

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	0EPH 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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CASE NARRATIVE

VERINA CONSULTING GROUP, LLC
Project Name: Rotor Clip NJ WTD - 2025
Project # N/A
Order ID # Q1930
Test Name: Metals Group4

A. Number of Samples and Date of Receipt:
1 Water sample was received on 05/01/2025.

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 samples.
The Duplicate analysis met criteria for all samples.
The Matrix Spike analysis met criteria for all samples.
The Matrix Spike Duplicate analysis met criteria for all samples.
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:

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 # Q1930
Test Name: Ammonia,Residual Chlorine

A. Number of Samples and Date of Receipt:
1 Water sample was received on 05/01/2025.

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 this sample received out of hold.
Sample WATER-TREATMENT-DISCHARGE was diluted due to high concentrations for Ammonia as N .
The Blank Spike met requirements for all samples.
The Duplicate analysis met criteria for all samples.
The Matrix Spike (WATER-TREATMENT-DISCHARGEMS) analysis met criteria for all samples except for Ammonia due to matrix interference.
The Matrix Spike Duplicate analysis met criteria for all samples.
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_____

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 #: Q1930

	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: SOHIL JODHANI **Date:** 05/09/2025

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Hit Summary Sheet
SW-846

SDG No.: Q1930 **Order ID:** Q1930

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								
Q1930-01	WATER-TREATMENT-DISCHA	Water	Chromium	156		1.06	5.00	ug/L
Q1930-01	WATER-TREATMENT-DISCHA	Water	Copper	17.4		2.30	10.0	ug/L
Q1930-01	WATER-TREATMENT-DISCHA	Water	Nickel	12.9	J	1.53	20.0	ug/L
Q1930-01	WATER-TREATMENT-DISCHA	Water	Zinc	49.2		8.33	20.0	ug/L

SAMPLE DATA

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Report of Analysis

Client:	VERINA CONSULTING GROUP, LLC	Date Collected:	05/01/25
Project:	Rotor Clip NJ WTD - 2025	Date Received:	05/01/25
Client Sample ID:	WATER-TREATMENT-DISCHARGE	SDG No.:	Q1930
Lab Sample ID:	Q1930-01	Matrix:	Water
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	156		1	1.06	5.00	ug/L	05/05/25 11:05	05/05/25 22:08	SW6010	SW3010
7440-50-8	Copper	17.4		1	2.30	10.0	ug/L	05/05/25 11:05	05/05/25 22:08	SW6010	SW3010
7440-02-0	Nickel	12.9	J	1	1.53	20.0	ug/L	05/05/25 11:05	05/05/25 22:08	SW6010	SW3010
7440-66-6	Zinc	49.2		1	8.33	20.0	ug/L	05/05/25 11:05	05/05/25 22:08	SW6010	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.:** Q1930

Contract: VERI01 **Lab Code:** CHEM **Case No.:** Q1930 **SAS No.:** Q1930

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Chromium	10.0	+/-10.0	U	10.0	P	05/05/2025	14:41	LB135674
	Copper	20.0	+/-20.0	U	20.0	P	05/05/2025	14:41	LB135674
	Nickel	40.0	+/-40.0	U	40.0	P	05/05/2025	14:41	LB135674
	Zinc	40.0	+/-40.0	U	40.0	P	05/05/2025	14:41	LB135674

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: VERINA CONSULTING GROUP, LLC **SDG No.:** Q1930

Contract: VERI01 **Lab Code:** CHEM **Case No.:** Q1930 **SAS No.:** Q1930

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Chromium	10.0	+/-10.0	U	10.0	P	05/05/2025	15:26	LB135674
	Copper	20.0	+/-20.0	U	20.0	P	05/05/2025	15:26	LB135674
	Nickel	40.0	+/-40.0	U	40.0	P	05/05/2025	15:26	LB135674
	Zinc	40.0	+/-40.0	U	40.0	P	05/05/2025	15:26	LB135674
CCB02	Chromium	10.0	+/-10.0	U	10.0	P	05/05/2025	16:12	LB135674
	Copper	20.0	+/-20.0	U	20.0	P	05/05/2025	16:12	LB135674
	Nickel	40.0	+/-40.0	U	40.0	P	05/05/2025	16:12	LB135674
	Zinc	40.0	+/-40.0	U	40.0	P	05/05/2025	16:12	LB135674
CCB03	Chromium	10.0	+/-10.0	U	10.0	P	05/05/2025	17:00	LB135674
	Copper	20.0	+/-20.0	U	20.0	P	05/05/2025	17:00	LB135674
	Nickel	40.0	+/-40.0	U	40.0	P	05/05/2025	17:00	LB135674
	Zinc	40.0	+/-40.0	U	40.0	P	05/05/2025	17:00	LB135674
CCB04	Chromium	10.0	+/-10.0	U	10.0	P	05/05/2025	17:59	LB135674
	Copper	20.0	+/-20.0	U	20.0	P	05/05/2025	17:59	LB135674
	Nickel	40.0	+/-40.0	U	40.0	P	05/05/2025	17:59	LB135674
	Zinc	40.0	+/-40.0	U	40.0	P	05/05/2025	17:59	LB135674
CCB05	Chromium	10.0	+/-10.0	U	10.0	P	05/05/2025	18:47	LB135674
	Copper	20.0	+/-20.0	U	20.0	P	05/05/2025	18:47	LB135674
	Nickel	40.0	+/-40.0	U	40.0	P	05/05/2025	18:47	LB135674
	Zinc	40.0	+/-40.0	U	40.0	P	05/05/2025	18:47	LB135674
CCB06	Chromium	10.0	+/-10.0	U	10.0	P	05/05/2025	19:37	LB135674
	Copper	20.0	+/-20.0	U	20.0	P	05/05/2025	19:37	LB135674
	Nickel	40.0	+/-40.0	U	40.0	P	05/05/2025	19:37	LB135674
	Zinc	40.0	+/-40.0	U	40.0	P	05/05/2025	19:37	LB135674
CCB07	Chromium	10.0	+/-10.0	U	10.0	P	05/05/2025	20:23	LB135674
	Copper	20.0	+/-20.0	U	20.0	P	05/05/2025	20:23	LB135674
	Nickel	40.0	+/-40.0	U	40.0	P	05/05/2025	20:23	LB135674
	Zinc	40.0	+/-40.0	U	40.0	P	05/05/2025	20:23	LB135674
CCB08	Chromium	10.0	+/-10.0	U	10.0	P	05/05/2025	21:12	LB135674
	Copper	20.0	+/-20.0	U	20.0	P	05/05/2025	21:12	LB135674
	Nickel	40.0	+/-40.0	U	40.0	P	05/05/2025	21:12	LB135674
	Zinc	40.0	+/-40.0	U	40.0	P	05/05/2025	21:12	LB135674
CCB09	Chromium	10.0	+/-10.0	U	10.0	P	05/05/2025	22:03	LB135674
	Copper	20.0	+/-20.0	U	20.0	P	05/05/2025	22:03	LB135674
	Nickel	40.0	+/-40.0	U	40.0	P	05/05/2025	22:03	LB135674
	Zinc	40.0	+/-40.0	U	40.0	P	05/05/2025	22:03	LB135674
CCB10	Chromium	10.0	+/-10.0	U	10.0	P	05/05/2025	22:37	LB135674
	Copper	20.0	+/-20.0	U	20.0	P	05/05/2025	22:37	LB135674
	Nickel	40.0	+/-40.0	U	40.0	P	05/05/2025	22:37	LB135674

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: VERINA CONSULTING GROUP, LLC **SDG No.:** Q1930

Contract: VERI01 **Lab Code:** CHEM **Case No.:** Q1930 **SAS No.:** Q1930

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB10	Zinc	40.0	+/-40.0	U	40.0	P	05/05/2025	22:37	LB135674

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Metals
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PREPARATION BLANK SUMMARY

Client: VERINA CONSULTING GROUP, LLC **SDG No.:** Q1930

Instrument: P4

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB167858BL		**WATER**		**Batch Number:**	**PB167858**		**Prep Date:**	**05/05/2025**	
	Chromium	5.00	<5.00	U	5.00	P	05/05/2025	18:22	LB135674
	Copper	10.0	<10.0	U	10.0	P	05/05/2025	18:22	LB135674
	Nickel	20.0	<20.0	U	20.0	P	05/05/2025	18:22	LB135674
	Zinc	20.0	<20.0	U	20.0	P	05/05/2025	18:22	LB135674

METAL CALIBRATION DATA

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: VERINA CONSULTING GROUP, LLC **SDG No.:** Q1930

Contract: VERI01 **Lab Code:** CHEM **Case No.:** Q1930 **SAS No.:** Q1930

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	508	520	98	90 - 110	P	05/05/2025	14:18	LB135674
	Copper	499	510	98	90 - 110	P	05/05/2025	14:18	LB135674
	Nickel	490	530	92	90 - 110	P	05/05/2025	14:18	LB135674
	Zinc	969	1000	97	90 - 110	P	05/05/2025	14:18	LB135674

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: VERINA CONSULTING GROUP, LLC **SDG No.:** Q1930

Contract: VERI01 **Lab Code:** CHEM **Case No.:** Q1930 **SAS No.:** Q1930

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	10.2	10.0	102	80 - 120	P	05/05/2025	14:36	LB135674
	Copper	22.4	20.0	112	80 - 120	P	05/05/2025	14:36	LB135674
	Nickel	39.5	40.0	99	80 - 120	P	05/05/2025	14:36	LB135674
	Zinc	41.2	40.0	103	80 - 120	P	05/05/2025	14:36	LB135674

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: VERINA CONSULTING GROUP, LLC **SDG No.:** Q1930

Contract: VERI01 **Lab Code:** CHEM **Case No.:** Q1930 **SAS No.:** Q1930

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	996	1000	100	90 - 110	P	05/05/2025	15:20	LB135674
	Copper	1240	1250	99	90 - 110	P	05/05/2025	15:20	LB135674
	Nickel	2450	2500	98	90 - 110	P	05/05/2025	15:20	LB135674
	Zinc	2480	2500	99	90 - 110	P	05/05/2025	15:20	LB135674
CCV02	Chromium	974	1000	97	90 - 110	P	05/05/2025	16:07	LB135674
	Copper	1230	1250	98	90 - 110	P	05/05/2025	16:07	LB135674
	Nickel	2420	2500	97	90 - 110	P	05/05/2025	16:07	LB135674
	Zinc	2430	2500	97	90 - 110	P	05/05/2025	16:07	LB135674
CCV03	Chromium	975	1000	98	90 - 110	P	05/05/2025	16:56	LB135674
	Copper	1260	1250	100	90 - 110	P	05/05/2025	16:56	LB135674
	Nickel	2420	2500	97	90 - 110	P	05/05/2025	16:56	LB135674
	Zinc	2460	2500	98	90 - 110	P	05/05/2025	16:56	LB135674
CCV04	Chromium	977	1000	98	90 - 110	P	05/05/2025	17:55	LB135674
	Copper	1220	1250	98	90 - 110	P	05/05/2025	17:55	LB135674
	Nickel	2420	2500	97	90 - 110	P	05/05/2025	17:55	LB135674
	Zinc	2420	2500	97	90 - 110	P	05/05/2025	17:55	LB135674
CCV05	Chromium	970	1000	97	90 - 110	P	05/05/2025	18:43	LB135674
	Copper	1230	1250	99	90 - 110	P	05/05/2025	18:43	LB135674
	Nickel	2430	2500	97	90 - 110	P	05/05/2025	18:43	LB135674
	Zinc	2470	2500	99	90 - 110	P	05/05/2025	18:43	LB135674
CCV06	Chromium	940	1000	94	90 - 110	P	05/05/2025	19:32	LB135674
	Copper	1180	1250	94	90 - 110	P	05/05/2025	19:32	LB135674
	Nickel	2360	2500	94	90 - 110	P	05/05/2025	19:32	LB135674
	Zinc	2380	2500	95	90 - 110	P	05/05/2025	19:32	LB135674
CCV07	Chromium	955	1000	96	90 - 110	P	05/05/2025	20:19	LB135674
	Copper	1170	1250	93	90 - 110	P	05/05/2025	20:19	LB135674
	Nickel	2360	2500	94	90 - 110	P	05/05/2025	20:19	LB135674
	Zinc	2350	2500	94	90 - 110	P	05/05/2025	20:19	LB135674
CCV08	Chromium	961	1000	96	90 - 110	P	05/05/2025	21:07	LB135674
	Copper	1190	1250	95	90 - 110	P	05/05/2025	21:07	LB135674
	Nickel	2380	2500	95	90 - 110	P	05/05/2025	21:07	LB135674
	Zinc	2350	2500	94	90 - 110	P	05/05/2025	21:07	LB135674
CCV09	Chromium	959	1000	96	90 - 110	P	05/05/2025	21:59	LB135674
	Copper	1180	1250	95	90 - 110	P	05/05/2025	21:59	LB135674

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: VERINA CONSULTING GROUP, LLC **SDG No.:** Q1930

Contract: VERI01 **Lab Code:** CHEM **Case No.:** Q1930 **SAS No.:** Q1930

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	2410	2500	96	90 - 110	P	05/05/2025	21:59	LB135674
	Zinc	2320	2500	93	90 - 110	P	05/05/2025	21:59	LB135674
CCV10	Chromium	967	1000	97	90 - 110	P	05/05/2025	22:33	LB135674
	Copper	1180	1250	95	90 - 110	P	05/05/2025	22:33	LB135674
	Nickel	2370	2500	95	90 - 110	P	05/05/2025	22:33	LB135674
	Zinc	2330	2500	93	90 - 110	P	05/05/2025	22:33	LB135674

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Metals

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CRDL STANDARD FOR AA & ICP

Client: VERINA CONSULTING GROUP, LLC **SDG No.:** Q1930

Contract: VERI01 **Lab Code:** CHEM **Case No.:** Q1930 **SAS No.:** Q1930

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	10.3	10.0	103	40 - 160	P	05/05/2025	14:47	LB135674
	Copper	22.4	20.0	112	40 - 160	P	05/05/2025	14:47	LB135674
	Nickel	39.9	40.0	100	40 - 160	P	05/05/2025	14:47	LB135674
	Zinc	42.7	40.0	107	40 - 160	P	05/05/2025	14:47	LB135674

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Metals
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INTERFERENCE CHECK SAMPLE

Client: VERINA CONSULTING GROUP, LLC **SDG No.:** Q1930

Contract: VERI01 **Lab Code:** CHEM **Case No.:** Q1930 **SAS No.:** Q1930

ICS Source: EPA **Instrument ID:** P4

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	53.8	52.0	104	42	62	05/05/2025	14:52	LB135674
	Copper	12.1	2.0	605	-18	22	05/05/2025	14:52	LB135674
	Nickel	1.16	2.0	58	-38	42	05/05/2025	14:52	LB135674
	Zinc	3.23			-40	40	05/05/2025	14:52	LB135674
ICSAB01	Chromium	572	542	106	460	624	05/05/2025	15:07	LB135674
	Copper	520	511	102	434	588	05/05/2025	15:07	LB135674
	Nickel	1020	954	107	810	1100	05/05/2025	15:07	LB135674
	Zinc	1070	952	112	809	1095	05/05/2025	15:07	LB135674

METAL QC DATA

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metals
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MATRIX SPIKE SUMMARY

client: VERINA CONSULTING GROUP, LLC **level:** low **sdg no.:** Q1930

contract: VERI01 **lab code:** CHEM **case no.:** Q1930 **sas no.:** Q1930

matrix: Water **sample id:** Q1930-01 **client id:** WATER-TREATMENT-DISCHARGEMS

Percent Solids for Sample: NA **Spiked ID:** Q1930-01MS **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	345		156		200	94		P
Copper	ug/L	75 - 125	151		17.4		150	89		P
Nickel	ug/L	75 - 125	267		12.9	J	250	101		P
Zinc	ug/L	75 - 125	157		49.2		100	108		P

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metals
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MATRIX SPIKE DUPLICATE SUMMARY

client: VERINA CONSULTING GROUP, LLC **level:** low **sdg no.:** Q1930

contract: VERI01 **lab code:** CHEM **case no.:** Q1930 **sas no.:** Q1930

matrix: Water **sample id:** Q1930-01 **client id:** WATER-TREATMENT-DISCHARGEMSD

Percent Solids for Sample: NA **Spiked ID:** Q1930-01MSD **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	341		156		200	93		P
Copper	ug/L	75 - 125	152		17.4		150	90		P
Nickel	ug/L	75 - 125	269		12.9	J	250	102		P
Zinc	ug/L	75 - 125	151		49.2		100	102		P

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Metals
- 5b -

Client: VERINA CONSULTING GROUP, LLC **SDG No.:** Q1930

Contract: VERI01 **Lab Code:** CHEM **Case No.:** Q1930 **SAS No.:** Q1930

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.:** Q1930

Contract: VERI01 **Lab Code:** CHEM **Case No.:** Q1930 **SAS No.:** Q1930

Matrix: Water **Sample ID:** Q1930-01 **Client ID:** WATER-TREATMENT-DISCHARGEDUP

Percent Solids for Sample: NA **Duplicate ID** Q1930-01DUP **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Chromium	ug/L	20	156		159		2		P
Copper	ug/L	20	17.4		17.4		0		P
Nickel	ug/L	20	12.9	J	12.8	J	1		P
Zinc	ug/L	20	49.2		49.8		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

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DUPLICATE SAMPLE SUMMARY

Client: VERINA CONSULTING GROUP, LLC **Level:** LOW **SDG No.:** Q1930

Contract: VERI01 **Lab Code:** CHEM **Case No.:** Q1930 **SAS No.:** Q1930

Matrix: Water **Sample ID:** Q1930-01MS **Client ID:** WATER-TREATMENT-DISCHARGEMSD

Percent Solids for Sample: NA **Duplicate ID** Q1930-01MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Chromium	ug/L	20	345		341		1		P
Copper	ug/L	20	151		152		1		P
Nickel	ug/L	20	267		269		1		P
Zinc	ug/L	20	157		151		4		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.:** Q1930

Contract: VERI01 **Lab Code:** CHEM **Case No.:** Q1930 **SAS No.:** Q1930

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB167858BS							
Chromium	ug/L	200	183		92	80 - 120	P
Copper	ug/L	150	140		93	80 - 120	P
Nickel	ug/L	250	228		91	80 - 120	P
Zinc	ug/L	100	91.9		92	80 - 120	P

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Metals

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ICP SERIAL DILUTIONS

SAMPLE NO.

WATER-TREATMENT-DISCHARGEL

Lab Name: Chemtech Consulting Group **Contract:** VERI01

Lab Code: CHEM **Lb No.:** lb135674 **Lab Sample ID :** Q1930-01L **SDG No.:** Q1930

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	156		151		3		P
Copper	17.4		17.4	J	0		P
Nickel	12.9	J	12.4	J	4		P
Zinc	49.2		42.9	J	13		P

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metals
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ANALYSIS RUN LOG

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

Lab code: CHEM **Case no.:** Q1930 **Sas no.:** Q1930 **Sdg no.:** Q1930

Instrument id number: **Method:** **Run number:** LB135674

Start date: 05/05/2025 **End date:** 05/05/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1302	Cr,Cu,Ni,Zn
S1	S1	1	1307	Cr,Cu,Ni,Zn
S2	S2	1	1311	Cr,Cu,Ni,Zn
S3	S3	1	1315	Cr,Cu,Ni,Zn
S4	S4	1	1319	Cr,Cu,Ni,Zn
S5	S5	1	1324	Cr,Cu,Ni,Zn
ICV01	ICV01	1	1418	Cr,Cu,Ni,Zn
LLICV01	LLICV01	1	1436	Cr,Cu,Ni,Zn
ICB01	ICB01	1	1441	Cr,Cu,Ni,Zn
CRI01	CRI01	1	1447	Cr,Cu,Ni,Zn
ICSA01	ICSA01	1	1452	Cr,Cu,Ni,Zn
ICSAB01	ICSAB01	1	1507	Cr,Cu,Ni,Zn
CCV01	CCV01	1	1520	Cr,Cu,Ni,Zn
CCB01	CCB01	1	1526	Cr,Cu,Ni,Zn
CCV02	CCV02	1	1607	Cr,Cu,Ni,Zn
CCB02	CCB02	1	1612	Cr,Cu,Ni,Zn
CCV03	CCV03	1	1656	Cr,Cu,Ni,Zn
CCB03	CCB03	1	1700	Cr,Cu,Ni,Zn
CCV04	CCV04	1	1755	Cr,Cu,Ni,Zn
CCB04	CCB04	1	1759	Cr,Cu,Ni,Zn
PB167858BL	PB167858BL	1	1822	Cr,Cu,Ni,Zn
PB167858BS	PB167858BS	1	1827	Cr,Cu,Ni,Zn
CCV05	CCV05	1	1843	Cr,Cu,Ni,Zn
CCB05	CCB05	1	1847	Cr,Cu,Ni,Zn
CCV06	CCV06	1	1932	Cr,Cu,Ni,Zn
CCB06	CCB06	1	1937	Cr,Cu,Ni,Zn
CCV07	CCV07	1	2019	Cr,Cu,Ni,Zn
CCB07	CCB07	1	2023	Cr,Cu,Ni,Zn
CCV08	CCV08	1	2107	Cr,Cu,Ni,Zn
CCB08	CCB08	1	2112	Cr,Cu,Ni,Zn
CCV09	CCV09	1	2159	Cr,Cu,Ni,Zn
CCB09	CCB09	1	2203	Cr,Cu,Ni,Zn
Q1930-01	WATER-TREATMENT-DISCH/	1	2208	Cr,Cu,Ni,Zn
Q1930-01DUP	WATER-TREATMENT-DISCH/	1	2212	Cr,Cu,Ni,Zn
Q1930-01L	WATER-TREATMENT-DISCH/	5	2216	Cr,Cu,Ni,Zn
Q1930-01MS	WATER-TREATMENT-DISCH/	1	2221	Cr,Cu,Ni,Zn
Q1930-01MSD	WATER-TREATMENT-DISCH/	1	2225	Cr,Cu,Ni,Zn
CCV10	CCV10	1	2233	Cr,Cu,Ni,Zn
CCB10	CCB10	1	2237	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.:** Q1930

Contract: VERI01 **Lab Code:** CHEM **Case No.:** Q1930 **SAS No.:** Q1930

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	0.0007850	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0000000	0.0001050	0.0000000	0.0000000

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Metals
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ICP INTERELEMENT CORRECTION FACTORS

Client: VERINA CONSULTING GROUP, LLC **SDG No.:** Q1930

Contract: VERI01 **Lab Code:** CHEM **Case No.:** Q1930 **SAS No.:** Q1930

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	0.0009530
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.:** Q1930

Contract: VERI01 **Lab Code:** CHEM **Case No.:** Q1930 **SAS No.:** Q1930

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	0.0000070	0.0002200	0.0000000
Copper	224.700	0.0000000	0.0000000	0.0000000	0.0006510	0.0020500
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0009010	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.:** Q1930

Contract: VERI01 **Lab Code:** CHEM **Case No.:** Q1930 **SAS No.:** Q1930

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	-0.0047000	0.0036100	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0067600	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.:** Q1930

Contract: VERI01 **Lab Code:** CHEM **Case No.:** Q1930 **SAS No.:** Q1930

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	0.0001110	0.0000000
Copper	224.700	0.0000000	0.0003840	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:	Q1930	**OrderDate:**	5/1/2025 12:36:00 PM
Client:	VERINA CONSULTING GROUP, LLC	**Project:**	Rotor Clip NJ WTD - 2025
Contact:	Michael Valenzi	**Location:**	L41

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1930-01	**WATER-TREATMENT-DISCHARGE**	**Water**			**05/01/25**			**05/01/25**
			Metals Group4	6010D		05/05/25	05/05/25	

METAL PREPARATION & ANALYICAL SUMMARY

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SAMPLE PREPARATION SUMMARY

Client: VERINA CONSULTING GROUP, LLC **SDG No.:** Q1930

Contract: VERI01 **Lab Code:** CHEM **Method:**

Case No.: Q1930 **SAS No.:** Q1930

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(mL)	Final Sample Volume (mL)	Percent Solids
Batch Number:	**PB167858**						
PB167858BL	PB167858BL	MB	WATER	05/05/2025	50.0	25.0	
PB167858BS	PB167858BS	LCS	WATER	05/05/2025	50.0	25.0	
Q1930-01	WATER-TREATMENT-DISCHARGE	SAM	WATER	05/05/2025	50.0	25.0	
Q1930-01DUP	WATER-TREATMENT-DISCHARGEDUP	DUP	WATER	05/05/2025	50.0	25.0	
Q1930-01MS	WATER-TREATMENT-DISCHARGEMS	MS	WATER	05/05/2025	50.0	25.0	
Q1930-01MSD	WATER-TREATMENT-DISCHARGEMSD	MSD	WATER	05/05/2025	50.0	25.0	

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB135674

Review By	JANVI	Review On	5/6/2025 4:57:41 PM
Supervise By	jaswal	Supervise On	5/7/2025 1:30:24 AM

STD. NAME	STD REF.#
ICAL Standard	MP85545,MP85552,MP85549,MP85548,MP85547,MP85546
ICV Standard	MP85553
CCV Standard	MP85556
ICSA Standard	MP85554,MP85555
CRI Standard	
LCS Standard	
Chk Standard	MP85557,MP85558

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	05/05/25 13:02		Kareem	OK
2	S1	S1	CAL2	05/05/25 13:07		Kareem	OK
3	S2	S2	CAL3	05/05/25 13:11		Kareem	OK
4	S3	S3	CAL4	05/05/25 13:15		Kareem	OK
5	S4	S4	CAL5	05/05/25 13:19		Kareem	OK
6	S5	S5	CAL6	05/05/25 13:24		Kareem	OK
7	ICV01	ICV01	ICV	05/05/25 14:18		Kareem	OK
8	LLICV01	LLICV01	LLICV	05/05/25 14:36		Kareem	OK
9	ICB01	ICB01	ICB	05/05/25 14:41		Kareem	OK
10	CRI01	CRI01	CRDL	05/05/25 14:47		Kareem	OK
11	ICSA01	ICSA01	ICSA	05/05/25 14:52		Kareem	OK
12	ICSAB01	ICSAB01	ICSAB	05/05/25 15:07		Kareem	OK
13	ICSADL	ICSADL	ICSA	05/05/25 15:11		Kareem	OK
14	ICSABDL	ICSABDL	ICSAB	05/05/25 15:16		Kareem	OK
15	CCV01	CCV01	CCV	05/05/25 15:20		Kareem	OK
16	CCB01	CCB01	CCB	05/05/25 15:26		Kareem	OK
17	Q1916-01	WC-12	SAM	05/05/25 15:30		Kareem	OK
18	Q1917-01	MH-JJ	SAM	05/05/25 15:35		Kareem	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB135674

Review By	JANVI	Review On	5/6/2025 4:57:41 PM
Supervise By	jaswal	Supervise On	5/7/2025 1:30:24 AM

STD. NAME	STD REF.#
ICAL Standard	MP85545,MP85552,MP85549,MP85548,MP85547,MP85546
ICV Standard	MP85553
CCV Standard	MP85556
ICSA Standard	MP85554,MP85555
CRI Standard	
LCS Standard	
Chk Standard	MP85557,MP85558

19	Q1923-01	TR-05-04302025	SAM	05/05/25 15:39		Kareem	OK
20	Q1923-01DUP	TR-05-04302025DUP	DUP	05/05/25 15:43		Kareem	OK
21	Q1923-01L	TR-05-04302025L	SD	05/05/25 15:47		Kareem	OK
22	Q1923-01MS	TR-05-04302025MS	MS	05/05/25 15:51		Kareem	OK
23	Q1923-01MSD	TR-05-04302025MSD	MSD	05/05/25 15:55		Kareem	OK
24	Q1923-01A	TR-05-04302025A	PS	05/05/25 15:59		Kareem	OK
25	Q1944-01	MELTED-RUBBER-SA	SAM	05/05/25 16:03		Kareem	OK
26	CCV02	CCV02	CCV	05/05/25 16:07		Kareem	OK
27	CCB02	CCB02	CCB	05/05/25 16:12		Kareem	OK
28	Q1865-08	SOM-25-00051	SAM	05/05/25 16:16		Kareem	OK
29	Q1916-04	WC-12	SAM	05/05/25 16:20		Kareem	OK
30	Q1906-04	WC-4	SAM	05/05/25 16:25		Kareem	OK
31	Q1944-02	CITY-WATER	SAM	05/05/25 16:29		Kareem	OK
32	Q1944-03DL	CHILLER-WATERDL	SAM	05/05/25 16:33	Straight 5x for all elements	Kareem	OK
33	Q1913-01	WC-12-S-202504	SAM	05/05/25 16:38		Kareem	OK
34	Q1913-03	WC-13-S-202504	SAM	05/05/25 16:42	MS/MSD fail for many parameters	Kareem	Not Ok
35	Q1913-03DUP	WC-13-S-202504DUP	DUP	05/05/25 16:47	MS/MSD fail for many parameters	Kareem	Not Ok
36	Q1913-03L	WC-13-S-202504L	SD	05/05/25 16:51	MS/MSD fail for many parameters	Kareem	Not Ok
37	CCV03	CCV03	CCV	05/05/25 16:56		Kareem	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB135674

Review By	JANVI	Review On	5/6/2025 4:57:41 PM
Supervise By	jaswal	Supervise On	5/7/2025 1:30:24 AM

STD. NAME	STD REF.#
ICAL Standard	MP85545,MP85552,MP85549,MP85548,MP85547,MP85546
ICV Standard	MP85553
CCV Standard	MP85556
ICSA Standard	MP85554,MP85555
CRI Standard	
LCS Standard	
Chk Standard	MP85557,MP85558

38	CCB03	CCB03	CCB	05/05/25 17:00		Kareem	OK
39	Q1913-03MS	WC-13-S-202504MS	MS	05/05/25 17:04	MS/MSD fail for many parameters	Kareem	Not Ok
40	Q1913-03MSD	WC-13-S-202504MSD	MSD	05/05/25 17:08	MS/MSD fail for many parameters	Kareem	Not Ok
41	Q1913-03A	WC-13-S-202504A	PS	05/05/25 17:13	MS/MSD fail for many parameters	Kareem	Not Ok
42	PB167837BL	PB167837BL	MB	05/05/25 17:17		Kareem	OK
43	PB167815TB	PB167815TB	MB	05/05/25 17:31		Kareem	OK
44	PB167837BS	PB167837BS	LCS	05/05/25 17:36		Kareem	OK
45	PB167817BL	PB167817BL	MB	05/05/25 17:41		Kareem	OK
46	PB167817BS	PB167817BS	LCS	05/05/25 17:46		Kareem	OK
47	PB167832BL	PB167832BL	MB	05/05/25 17:51		Kareem	OK
48	CCV04	CCV04	CCV	05/05/25 17:55		Kareem	OK
49	CCB04	CCB04	CCB	05/05/25 17:59		Kareem	OK
50	PB167832BS	PB167832BS	LCS	05/05/25 18:04		Kareem	OK
51	PB167868BL	PB167868BL	MB	05/05/25 18:10		Kareem	OK
52	PB167868BS	PB167868BS	LCS	05/05/25 18:14		Kareem	OK
53	PB167774TB	PB167774TB	MB	05/05/25 18:18		Kareem	OK
54	PB167858BL	PB167858BL	MB	05/05/25 18:22		Kareem	OK
55	PB167858BS	PB167858BS	LCS	05/05/25 18:27		Kareem	OK
56	Q1922-01	MH-R	SAM	05/05/25 18:31		Kareem	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB135674

Review By	JANVI	Review On	5/6/2025 4:57:41 PM
Supervise By	jaswal	Supervise On	5/7/2025 1:30:24 AM

STD. NAME	STD REF.#
ICAL Standard	MP85545,MP85552,MP85549,MP85548,MP85547,MP85546
ICV Standard	MP85553
CCV Standard	MP85556
ICSA Standard	MP85554,MP85555
CRI Standard	
LCS Standard	
Chk Standard	MP85557,MP85558

57	Q1922-05	MH-S	SAM	05/05/25 18:35		Kareem	OK
58	Q1928-01	MH-Q	SAM	05/05/25 18:39		Kareem	OK
59	CCV05	CCV05	CCV	05/05/25 18:43		Kareem	OK
60	CCB05	CCB05	CCB	05/05/25 18:47		Kareem	OK
61	Q1932-01	COMP-4	SAM	05/05/25 18:52	CCV fail for Be,Mg	Kareem	Not Ok
62	Q1932-03	COMP-5	SAM	05/05/25 18:56	CCV fail for Be,Mg	Kareem	Not Ok
63	Q1932-05	COMP-6	SAM	05/05/25 19:00	CCV fail for Be,Mg	Kareem	Not Ok
64	Q1932-07	COMP-7	SAM	05/05/25 19:04	CCV fail for Be,Mg	Kareem	Not Ok
65	Q1933-01	OK-01-050125	SAM	05/05/25 19:08	CCV fail for Be,Mg	Kareem	Not Ok
66	Q1933-01DUP	OK-01-050125DUP	DUP	05/05/25 19:12	CCV fail for Be,Mg	Kareem	Not Ok
67	Q1933-01L	OK-01-050125L	SD	05/05/25 19:16	CCV fail for Be,Mg	Kareem	Not Ok
68	Q1933-01MS	OK-01-050125MS	MS	05/05/25 19:20	CCV fail for Be,Mg	Kareem	Not Ok
69	Q1933-01MSD	OK-01-050125MSD	MSD	05/05/25 19:24	CCV fail for Be,Mg	Kareem	Not Ok
70	Q1933-01A	OK-01-050125A	PS	05/05/25 19:28	CCV fail for Be,Mg	Kareem	Not Ok
71	CCV06	CCV06	CCV	05/05/25 19:32	CCV fail for Be,Mg	Kareem	OK
72	CCB06	CCB06	CCB	05/05/25 19:37		Kareem	OK
73	Q1939-05	GB3	SAM	05/05/25 19:41	CCV fail for Be,Mg	Kareem	Not Ok
74	Q1935-01	MH-NN	SAM	05/05/25 19:45	CCV fail for Be,Mg	Kareem	Not Ok
75	Q1935-05	MH-MM	SAM	05/05/25 19:49	CCV fail for Be,Mg	Kareem	Not Ok
76	Q1939-01	GB1	SAM	05/05/25 19:53	CCV fail for Be,Mg	Kareem	Not Ok

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB135674

Review By	JANVI	Review On	5/6/2025 4:57:41 PM
Supervise By	jaswal	Supervise On	5/7/2025 1:30:24 AM

STD. NAME	STD REF.#
ICAL Standard	MP85545,MP85552,MP85549,MP85548,MP85547,MP85546
ICV Standard	MP85553
CCV Standard	MP85556
ICSA Standard	MP85554,MP85555
CRI Standard	
LCS Standard	
Chk Standard	MP85557,MP85558

77	Q1939-03	GB2	SAM	05/05/25 19:57	CCV fail for Be,Mg	Kareem	Not Ok
78	Q1917-04	MH-JJ	SAM	05/05/25 20:01		Kareem	OK
79	Q1922-04	MH-R	SAM	05/05/25 20:06		Kareem	OK
80	Q1922-08	MH-S	SAM	05/05/25 20:10		Kareem	OK
81	Q1925-01	AUD-25-0068	SAM	05/05/25 20:15		Kareem	OK
82	CCV07	CCV07	CCV	05/05/25 20:19		Kareem	OK
83	CCB07	CCB07	CCB	05/05/25 20:23		Kareem	OK
84	Q1925-02	AUD-25-0069	SAM	05/05/25 20:28		Kareem	OK
85	Q1925-03	AUD-25-0070	SAM	05/05/25 20:32		Kareem	OK
86	Q1928-04	MH-Q	SAM	05/05/25 20:36		Kareem	OK
87	Q1929-03	WC-A4-02-C	SAM	05/05/25 20:41		Kareem	OK
88	Q1929-07	WC-A1-03-C	SAM	05/05/25 20:45		Kareem	OK
89	Q1929-11	WC-A1-04-C	SAM	05/05/25 20:50		Kareem	OK
90	Q1932-02	COMP-4	SAM	05/05/25 20:54		Kareem	OK
91	Q1932-04	COMP-5	SAM	05/05/25 20:59		Kareem	OK
92	Q1932-06	COMP-6	SAM	05/05/25 21:03		Kareem	OK
93	CCV08	CCV08	CCV	05/05/25 21:07		Kareem	OK
94	CCB08	CCB08	CCB	05/05/25 21:12		Kareem	OK
95	Q1932-08	COMP-7	SAM	05/05/25 21:16		Kareem	OK
96	Q1935-04	MH-NN	SAM	05/05/25 21:20		Kareem	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB135674

Review By	JANVI	Review On	5/6/2025 4:57:41 PM
Supervise By	jaswal	Supervise On	5/7/2025 1:30:24 AM

STD. NAME	STD REF.#
ICAL Standard	MP85545,MP85552,MP85549,MP85548,MP85547,MP85546
ICV Standard	MP85553
CCV Standard	MP85556
ICSA Standard	MP85554,MP85555
CRI Standard	
LCS Standard	
Chk Standard	MP85557,MP85558

97	Q1935-08	MH-MM	SAM	05/05/25 21:25		Kareem	OK
98	Q1935-08DUP	MH-MMDUP	DUP	05/05/25 21:29		Kareem	OK
99	Q1935-08L	MH-MML	SD	05/05/25 21:34		Kareem	OK
100	Q1935-08MS	MH-MMMS	MS	05/05/25 21:38		Kareem	OK
101	Q1935-08MSD	MH-MMMSD	MSD	05/05/25 21:42		Kareem	OK
102	Q1935-08A	MH-MMA	PS	05/05/25 21:46		Kareem	OK
103	Q1945-01	GB1W	SAM	05/05/25 21:51	Zn high	Kareem	Dilution
104	Q1956-07	FB-05022025	SAM	05/05/25 21:55		Kareem	OK
105	CCV09	CCV09	CCV	05/05/25 21:59		Kareem	OK
106	CCB09	CCB09	CCB	05/05/25 22:03		Kareem	OK
107	Q1930-01	WATER-TREATMENT	SAM	05/05/25 22:08		Kareem	OK
108	Q1930-01DUP	WATER-TREATMENT	DUP	05/05/25 22:12		Kareem	OK
109	Q1930-01L	WATER-TREATMENT	SD	05/05/25 22:16		Kareem	OK
110	Q1930-01MS	WATER-TREATMENT	MS	05/05/25 22:21		Kareem	OK
111	Q1930-01MSD	WATER-TREATMENT	MSD	05/05/25 22:25		Kareem	OK
112	Q1930-01A	WATER-TREATMENT	PS	05/05/25 22:29		Kareem	OK
113	CCV10	CCV10	CCV	05/05/25 22:33		Kareem	OK
114	CCB10	CCB10	CCB	05/05/25 22:37		Kareem	OK

Alliance TECHNICAL GROUP

Water Metals Preparation Sheet

PB167858

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 #1 2. N/A

Start Digest Date: 05/05/2025 **Time :** 11:05 **Temp :** 96 °C

End Digest Date: 05/05/2025 **Time :** 14:10 **Temp :** 96 °C

Digestion tube ID: M5595

Block thermometer ID: MET-DIG. #1

Dig Technician Signature: SPG.

Supervisor Signature:

Temp : 1. 96°C 2. N/A

Standared Name	MLS USED	STD REF. # FROM LOG
LFS-1	0.25	M6005
LFS-2	0.25	M6016
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#1CELL#50 96 C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
05/09/25 15:10	SPG. met.dig	Metals Lab
	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

Water Metals Preparation Sheet

PB167858

Lab Sample ID	Client Sample ID	pH	Initial Vol (ml)	Final Vol (ml)	Color Before	Color After	Clarity Before	Clarity After	Comment	Prep Pos
PB167858BL	PBW858	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	1
PB167858BS	LCS858	<2	50	25	Colorless	Colorless	Clear	Clear	M6005,M6016	2
Q1930-01MS	WATER-TREATMENT-DISCHA RGEMS	<2	50	25	Colorless	Colorless	Clear	Clear	M6005,M6016	5
Q1930-01MSD	WATER-TREATMENT-DISCHA RGEMSD	<2	50	25	Colorless	Colorless	Clear	Clear	M6005,M6016	6
Q1930-01DUP	WATER-TREATMENT-DISCHA RGEDUP	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	4
Q1930-01	WATER-TREATMENT-DISCHA RGE	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	3
Q1944-02	CITY-WATER	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	7
Q1944-03	CHILLER-WATER	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	8
Q1945-01	GB1W	<2	50	25	Brown	light Brown	Clear	Clear	N/A	9
Q1956-07	FB-05022025	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	10

SAMPLE DATA

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Report of Analysis

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

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Ammonia as N	2.30	OR	1	0.030	0.10	mg/L	05/05/25 08:45	05/05/25 11:55	SM 4500-NH3 B plus G-11
Residual Chlorine	0.068	HJ	1	0.023	0.10	mg/L		05/01/25 15:40	SM 4500-Cl G-11

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time
J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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:	05/01/25 10:23
Project:	Rotor Clip NJ WTD - 2025	Date Received:	05/01/25
Client Sample ID:	WATER-TREATMENT-DISCHARGEDL	SDG No.:	Q1930
Lab Sample ID:	Q1930-01DL	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Ammonia as N	2.40	D	2	0.060	0.20	mg/L	05/05/25 08:45	05/05/25 12:36	SM 4500-NH3 B plus G-11

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
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.:** Q1930

Project: Rotor Clip NJ WTD - 2025 **RunNo.:** LB135627

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

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Initial and Continuing Calibration Verification

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

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: **ICV1**						
Ammonia as N	mg/L	0.95	1	95	90-110	05/05/2025
Sample ID: **CCV1**						
Ammonia as N	mg/L	0.96	1	96	90-110	05/05/2025
Sample ID: **CCV2**						
Ammonia as N	mg/L	0.98	1	98	90-110	05/05/2025
Sample ID: **CCV3**						
Ammonia as N	mg/L	0.99	1	99	90-110	05/05/2025
Sample ID: **CCV4**						
Ammonia as N	mg/L	0.98	1	98	90-110	05/05/2025

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Initial and Continuing Calibration Verification

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

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date

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Initial and Continuing Calibration Blank Summary

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

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: ICB							
Residual Chlorine	mg/L	< 0.0500	0.0500	U	0.023	0.1	05/01/2025
Sample ID: CCB1							
Residual Chlorine	mg/L	< 0.0500	0.0500	U	0.023	0.1	05/01/2025
Sample ID: CCB2							
Residual Chlorine	mg/L	< 0.0500	0.0500	U	0.023	0.1	05/01/2025

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Initial and Continuing Calibration Blank Summary

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

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

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Preparation Blank Summary

Client: VERINA CONSULTING GROUP, LLC **SDG No.:** Q1930

Project: Rotor Clip NJ WTD - 2025

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

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Matrix Spike Summary

Client: VERINA CONSULTING GROUP, LLC
SDG No.: Q1930
Project: Rotor Clip NJ WTD - 2025
Sample ID: Q1930-01
Client ID: WATER-TREATMENT-DISCHARGEMS
Percent Solids for Spike Sample: 0

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Ammonia as N	mg/L	75-125	2.90	OR	2.30	OR	1	1	60	*	05/05/2025
Residual Chlorine	mg/L	71-148	0.41		0.068	J	0.4	1	84		05/01/2025

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Fax : 908 789 8922

Matrix Spike Summary

Client: VERINA CONSULTING GROUP, LLC
SDG No.: Q1930
Project: Rotor Clip NJ WTD - 2025
Sample ID: Q1930-01
Client ID: WATER-TREATMENT-DISCHARGEMSD
Percent Solids for Spike Sample: 0

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Ammonia as N	mg/L	75-125	3.20	OR	2.30	OR	1	1	90		05/05/2025
Residual Chlorine	mg/L	71-148	0.39		0.068	J	0.4	1	79		05/01/2025

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Duplicate Sample Summary

Client: VERINA CONSULTING GROUP, LLC
SDG No.: Q1930
Project: Rotor Clip NJ WTD - 2025
Sample ID: Q1930-01
Client ID: WATER-TREATMENT-DISCHARGEDUP
Percent Solids for Spike Sample: 0

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
Residual Chlorine	mg/L	+/-20	0.068	J	0.068	J	1	0		05/01/2025
Ammonia as N	mg/L	+/-20	2.30	OR	2.20	OR	1	4		05/05/2025

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Duplicate Sample Summary

Client: VERINA CONSULTING GROUP, LLC
SDG No.: Q1930
Project: Rotor Clip NJ WTD - 2025
Sample ID: Q1930-01
Client ID: WATER-TREATMENT-DISCHARGEDUPDL
Percent Solids for Spike Sample: 0

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
Ammonia as N	mg/L	+/-20	2.40	D	2.50	D	2	4		05/05/2025

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Duplicate Sample Summary

Client: VERINA CONSULTING GROUP, LLC
SDG No.: Q1930
Project: Rotor Clip NJ WTD - 2025
Sample ID: Q1930-01
Client ID: WATER-TREATMENT-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	0.41		0.39		1	5.31		05/01/2025
Ammonia as N	mg/L	+/-20	2.90	OR	3.20	OR	1	10		05/05/2025

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Laboratory Control Sample Summary

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

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

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Laboratory Control Sample Summary

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

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

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Instrument ID: SPECTROPHOTOMETER-1

Daily Analysis Runlog For Sequence/QCBatch ID # LB135627

Review By	Iwona	Review On	5/6/2025 10:37:19 AM
Supervise By	jignesh	Supervise On	5/6/2025 10:37:59 AM
SubDirectory	LB135627	Test	Residual Chlorine

STD. NAME	STD REF.#
ICAL Standard	N/A
ICV Standard	N/A
CCV Standard	N/A
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	N/A
Chk Standard	WP112912,WP112907,WP112908,WP112910,WP112906,WP112911,WP112909,W3145

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

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

Instrument ID: KONELAB

Daily Analysis Runlog For Sequence/QCBatch ID # LB135665

Review By	rubina	Review On	5/5/2025 2:45:01 PM
Supervise By	Iwona	Supervise On	5/5/2025 4:40:09 PM
SubDirectory	LB135665	Test	Ammonia

STD. NAME	STD REF.#
ICAL Standard	WP112946
ICV Standard	WP112948
CCV Standard	WP112947
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	WP112614
Chk Standard	WP112897,WP111745,WP111385,WP111660

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

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Instrument ID: KONELAB

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Supervise By	Iwona	Supervise On	5/5/2025 4:40:09 PM
SubDirectory	LB135665	Test	Ammonia

STD. NAME	STD REF.#
ICAL Standard	WP112946
ICV Standard	WP112948
CCV Standard	WP112947
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	WP112614
Chk Standard	WP112897,WP111745,WP111385,WP111660

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

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LAB CHRONICLE

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

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

Alliance TECHNICAL GROUP

Water Ammonia Preparation Sheet

PB167844

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: 05/05/2025 **Time :** 08:45 **Temp :** 150 °C

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

D beteh 05/05/2025 10:05 150 C RM

05/05/2025 11:05 160 C RM

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	WP112614
MS/MSD SPIKE SOL.	1.0ML	WP112613
PBW	50.0ML	W3112
RL CHECK	0.1ML	WP112613
N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
BORATE BUFFER	2.5ML	WP111325
NAOH 6N	1.0ML-5.0ML	WP111318
H2SO4 0.04N	5.0ML	WP112828
pH strip-Ammonia	N/A	W3133
KI-starch paper	N/A	W3155
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

ALL GLASSWEAR ARE STEAMED OUT AND THERE WERE NO TRACE OF AMMONIA USING NESLER REAGENT WP111604.Due to bad matrix and client history 1ML was taken as an initial volume for Q1941-01

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
05/05/2025 11:30	RM (WC)	RM (WC)
	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

Water Ammonia Preparation Sheet

PB167844

Lab Sample ID	Client Sample ID	Initial Vol (ml)	Final Vol (ml)	pH	Sulfide	Oxidizing	Nitrate/ Nitrite	Comment	Prep Pos
PB167844BL	PB167844BL	50	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
PB167844BS	LCS844	50	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
Q1930-01DUP	WATER-TREATMENT-DISCHARGEDUP	50	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
Q1930-01MS	WATER-TREATMENT-DISCHARGEMS	50	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
Q1930-01MSD	WATER-TREATMENT-DISCHARGEMSD	50	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
Q1930-01	WATER-TREATMENT-DISCHARGE	50	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
Q1934-01	001-WILLETS-PT-BLVD(APR)	50	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
Q1934-02	002-35TH-AVE(APR)	50	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
Q1941-01	EFFLUENT	1	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
Q1944-02	CITY-WATER	50	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
Q1944-03	CHILLER-WATER	50	50	<2	N/A	Negative	N/A	PH AFTER ADDING DIST BUFFER>11	N/A
Q1949-01	001-WILLETS-PT-BLVD(MAY)	50	50	<2	N/A	Negative	N/A	PH AFTER ADDING DIST BUFFER>11	N/A
Q1949-04	002-35TH-AVE(MAY)	50	50	<2	N/A	Negative	N/A	PH AFTER ADDING DIST BUFFER>11	N/A

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. Q1930
COC Number 2046749

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 Vaenzi
PHONE: 908-864-4400 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: Rotor Clip
PROJECT NO.: 5183.0001 LOCATION: NJ
PROJECT MANAGER: Michael Vaenzi
e-mail: mvaenzi@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 4 (QC + Full Raw Data)
☐ Level 2 (Results + QC) ☐ NJ Reduced ☐ US EPA CLP
☐ Level 3 (Results + QC + Raw Data) ☐ 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		5/11/25	10:23	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

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1. Michael	5/11/25 1140	1.
2.		2.
3.	5/11/25 1250	3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 5.3°C Adjust Factor °C+1
Comments: Flow Rate = pH = Temperature = Metals Group 4 = Cr, Cu, Ni, Zn
Please email all reporting items and invoice to mvaenzi@vcg-llc.com and Smaccarter@vcg-llc.com

Page 1 of 1
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