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 : Q2804

ATTENTION : Michael Valenzi

Laboratory Certification ID # 20012

Table Of Contents for Q2804

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) : Q2804 Sampling Date(s) : 8/07/2025

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 : Q2804

Project ID : Rotor Clip NJ WTD - 2025

Client : VERINA CONSULTING GROUP, LLC

Lab Sample Number	Client Sample Number
Q2804-01	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 : APPROVED
By Nimisha Pandya, QA/QC Supervisor at 1:37 pm, Aug 15, 2025

Date: 8/14/2025

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 # Q2804
Test Name: Metals Group4

A. Number of Samples and Date of Receipt:
1 Water sample was received on 08/07/2025.

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 compounds.
The Duplicate analysis met criteria for all compounds.
The Matrix Spike analysis met criteria for all compounds.
The Matrix Spike Duplicate analysis met criteria for all compounds.
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___ APPROVED
By Nimisha Pandya, QA/QC Supervisor at 1:37 pm, Aug 15, 2025

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CASE NARRATIVE

VERINA CONSULTING GROUP, LLC
Project Name: Rotor Clip NJ WTD - 2025
Project # N/A
Order ID # Q2804
Test Name: Ammonia,Residual Chlorine

A. Number of Samples and Date of Receipt:
1 Water sample was received on 08/07/2025.

B. Parameters:
According to the Chain of Custody document, the following analyses were requested: Ammonia,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 receive out of holding time.
The Blank Spike met requirements for all compounds.
The Duplicate analysis met criteria for all compounds.
The Matrix Spike analysis met criteria for all compounds.
The Matrix Spike Duplicate analysis met criteria for all compounds.
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_____ ***APPROVED***
By Nimisha Pandya, QA/QC Supervisor at 1:38 pm, Aug 15, 2025

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 #: Q2804

	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:** 08/14/2025

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Hit Summary Sheet
SW-846

SDG No.: Q2804 **Order ID:** Q2804

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								
Q2804-01	WATER-TREATMENT DISCHA	Water	Chromium	69.0		1.06	5.00	ug/L
Q2804-01	WATER-TREATMENT DISCHA	Water	Copper	9.87	J	2.30	10.0	ug/L
Q2804-01	WATER-TREATMENT DISCHA	Water	Nickel	20.6		1.53	20.0	ug/L
Q2804-01	WATER-TREATMENT DISCHA	Water	Zinc	176		8.33	20.0	ug/L

SAMPLE DATA

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Report of Analysis

Client:	VERINA CONSULTING GROUP, LLC	Date Collected:	08/07/25
Project:	Rotor Clip NJ WTD - 2025	Date Received:	08/07/25
Client Sample ID:	WATER-TREATMENT DISCHARGE	SDG No.:	Q2804
Lab Sample ID:	Q2804-01	Matrix:	Water
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	69.0		1	1.06	5.00	ug/L	08/08/25 11:10	08/11/25 18:01	6010D	SW3010
7440-50-8	Copper	9.87	J	1	2.30	10.0	ug/L	08/08/25 11:10	08/11/25 18:01	6010D	SW3010
7440-02-0	Nickel	20.6		1	1.53	20.0	ug/L	08/08/25 11:10	08/11/25 18:01	6010D	SW3010
7440-66-6	Zinc	176		1	8.33	20.0	ug/L	08/08/25 11:10	08/11/25 18:01	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.:** Q2804

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	08/11/2025	16:54	LB136779
	Copper	4.60	+/-10	U	20.0	P	08/11/2025	16:54	LB136779
	Nickel	3.06	+/-20	U	40.0	P	08/11/2025	16:54	LB136779
	Zinc	16.7	+/-20	U	40.0	P	08/11/2025	16:54	LB136779

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

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

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	08/11/2025	17:23	LB136779
	Copper	4.60	+/-10	U	20.0	P	08/11/2025	17:23	LB136779
	Nickel	3.06	+/-20	U	40.0	P	08/11/2025	17:23	LB136779
	Zinc	16.7	+/-20	U	40.0	P	08/11/2025	17:23	LB136779
CCB02	Chromium	2.12	+/-5	U	10.0	P	08/11/2025	17:48	LB136779
	Copper	4.60	+/-10	U	20.0	P	08/11/2025	17:48	LB136779
	Nickel	3.06	+/-20	U	40.0	P	08/11/2025	17:48	LB136779
	Zinc	16.7	+/-20	U	40.0	P	08/11/2025	17:48	LB136779
CCB03	Chromium	2.12	+/-5	U	10.0	P	08/11/2025	18:30	LB136779
	Copper	4.60	+/-10	U	20.0	P	08/11/2025	18:30	LB136779
	Nickel	3.06	+/-20	U	40.0	P	08/11/2025	18:30	LB136779
	Zinc	16.7	+/-20	U	40.0	P	08/11/2025	18:30	LB136779
CCB04	Chromium	2.12	+/-5	U	10.0	P	08/11/2025	19:03	LB136779
	Copper	4.60	+/-10	U	20.0	P	08/11/2025	19:03	LB136779
	Nickel	3.06	+/-20	U	40.0	P	08/11/2025	19:03	LB136779
	Zinc	16.7	+/-20	U	40.0	P	08/11/2025	19:03	LB136779

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Metals
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PREPARATION BLANK SUMMARY

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

Instrument: P4

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB169154BL		**WATER**		**Batch Number:**	**PB169154**		**Prep Date:**	**08/08/2025**	
	Chromium	1.06	<2.5	U	5.00	P	08/11/2025	17:52	LB136779
	Copper	2.30	<5	U	10.0	P	08/11/2025	17:52	LB136779
	Nickel	1.53	<10	U	20.0	P	08/11/2025	17:52	LB136779
	Zinc	8.33	<10	U	20.0	P	08/11/2025	17:52	LB136779

METAL CALIBRATION DATA

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

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

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	793	800	99	90 - 110	P	08/11/2025	16:44	LB136779
	Copper	989	1000	99	90 - 110	P	08/11/2025	16:44	LB136779
	Nickel	1940	2000	97	90 - 110	P	08/11/2025	16:44	LB136779
	Zinc	1920	2000	96	90 - 110	P	08/11/2025	16:44	LB136779

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

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

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	9.85	10.0	98	80 - 120	P	08/11/2025	16:49	LB136779
	Copper	21.3	20.0	107	80 - 120	P	08/11/2025	16:49	LB136779
	Nickel	39.9	40.0	100	80 - 120	P	08/11/2025	16:49	LB136779
	Zinc	41.2	40.0	103	80 - 120	P	08/11/2025	16:49	LB136779

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

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

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	972	1000	97	90 - 110	P	08/11/2025	17:19	LB136779
	Copper	1240	1250	99	90 - 110	P	08/11/2025	17:19	LB136779
	Nickel	2440	2500	98	90 - 110	P	08/11/2025	17:19	LB136779
	Zinc	2440	2500	98	90 - 110	P	08/11/2025	17:19	LB136779
CCV02	Chromium	992	1000	99	90 - 110	P	08/11/2025	17:44	LB136779
	Copper	1250	1250	100	90 - 110	P	08/11/2025	17:44	LB136779
	Nickel	2470	2500	99	90 - 110	P	08/11/2025	17:44	LB136779
	Zinc	2450	2500	98	90 - 110	P	08/11/2025	17:44	LB136779
CCV03	Chromium	977	1000	98	90 - 110	P	08/11/2025	18:26	LB136779
	Copper	1240	1250	99	90 - 110	P	08/11/2025	18:26	LB136779
	Nickel	2450	2500	98	90 - 110	P	08/11/2025	18:26	LB136779
	Zinc	2450	2500	98	90 - 110	P	08/11/2025	18:26	LB136779
CCV04	Chromium	979	1000	98	90 - 110	P	08/11/2025	18:59	LB136779
	Copper	1230	1250	98	90 - 110	P	08/11/2025	18:59	LB136779
	Nickel	2430	2500	97	90 - 110	P	08/11/2025	18:59	LB136779
	Zinc	2440	2500	98	90 - 110	P	08/11/2025	18:59	LB136779

Alliance TECHNICAL GROUP
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Metals

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CRDL STANDARD FOR AA & ICP

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

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	9.63	10.0	96	65 - 135	P	08/11/2025	16:58	LB136779
	Copper	20.7	20.0	103	65 - 135	P	08/11/2025	16:58	LB136779
	Nickel	39.0	40.0	98	65 - 135	P	08/11/2025	16:58	LB136779
	Zinc	39.4	40.0	99	65 - 135	P	08/11/2025	16:58	LB136779

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Metals
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INTERFERENCE CHECK SAMPLE

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

Contract: VERI01 **Lab Code:** ACE

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	56.8	52.0	109	42	62	08/11/2025	17:02	LB136779
	Copper	-0.68	2.0	34	-18	22	08/11/2025	17:02	LB136779
	Nickel	5.25	2.0	262	-38	42	08/11/2025	17:02	LB136779
	Zinc	2.14			-40	40	08/11/2025	17:02	LB136779
ICSAB01	Chromium	534	542	98	460	624	08/11/2025	17:06	LB136779
	Copper	463	511	91	434	588	08/11/2025	17:06	LB136779
	Nickel	949	954	100	810	1100	08/11/2025	17:06	LB136779
	Zinc	987	952	104	809	1095	08/11/2025	17:06	LB136779

METAL QC DATA

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metals
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MATRIX SPIKE SUMMARY

client: VERINA CONSULTING GROUP, LLC **level:** low **sdg no.:** Q2804

contract: VERI01 **lab code:** ACE

matrix: Water **sample id:** Q2805-02 **client id:** RW8-SP303-20250807MS

Percent Solids for Sample: NA **Spiked ID:** Q2805-02MS **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	90 - 113	206		5.00	U	200	103		P
Copper	ug/L	86 - 114	162		6.11	J	150	104		P
Nickel	ug/L	88 - 113	254		3.69	J	250	100		P
Zinc	ug/L	87 - 115	132		29.6		100	103		P

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metals
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MATRIX SPIKE DUPLICATE SUMMARY

client: VERINA CONSULTING GROUP, LLC **level:** low **sdg no.:** Q2804

contract: VERI01 **lab code:** ACE

matrix: Water **sample id:** Q2805-02 **client id:** RW8-SP303-20250807MSD

Percent Solids for Sample: NA **Spiked ID:** Q2805-02MSD **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	90 - 113	203		5.00	U	200	102		P
Copper	ug/L	86 - 114	154		6.11	J	150	99		P
Nickel	ug/L	88 - 113	241		3.69	J	250	95		P
Zinc	ug/L	87 - 115	130		29.6		100	101		P

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

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.:** Q2804

Contract: VERI01 **Lab Code:** ACE

Matrix: Water **Sample ID:** Q2805-02 **Client ID:** RW8-SP303-20250807DUP

Percent Solids for Sample: NA **Duplicate ID** Q2805-02DUP **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Chromium	ug/L	20	5.00	U	5.00	U			P
Copper	ug/L	20	6.11	J	6.10	J	0		P
Nickel	ug/L	20	3.69	J	3.86	J	5		P
Zinc	ug/L	20	29.6		30.2		2		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.:** Q2804

Contract: VERI01 **Lab Code:** ACE

Matrix: Water **Sample ID:** Q2805-02MS **Client ID:** RW8-SP303-20250807MSD

Percent Solids for Sample: NA **Duplicate ID** Q2805-02MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Chromium	ug/L	20	206		203		1		P
Copper	ug/L	20	162		154		5		P
Nickel	ug/L	20	254		241		5		P
Zinc	ug/L	20	132		130		2		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.:** Q2804

Contract: VERI01 **Lab Code:** ACE

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB169154BS							
Chromium	ug/L	200	207		104	90 - 113	P
Copper	ug/L	150	157		105	86 - 114	P
Nickel	ug/L	250	251		100	88 - 113	P
Zinc	ug/L	100	105		105	87 - 115	P

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Metals

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ICP SERIAL DILUTIONS

SAMPLE NO.

RW8-SP303-20250807L

Lab Name: Alliance **Contract:** VERI01

Lab Code: ACE **Lb No.:** lb136779 **Lab Sample ID :** Q2805-02L **SDG No.:** Q2804

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	5.00	U	25.0	U			P
Copper	6.11	J	50.0	U	100.0		P
Nickel	3.69	J	100	U	100.0		P
Zinc	29.6		100	U	100.0		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.:** Q2804

Instrument id number: **Method:** **Run number:** LB136779

Start date: 08/11/2025 **End date:** 08/11/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1619	Cr,Cu,Ni,Zn
S1	S1	1	1623	Cr,Cu,Ni,Zn
S2	S2	1	1627	Cr,Cu,Ni,Zn
S3	S3	1	1631	Cr,Cu,Ni,Zn
S4	S4	1	1636	Cr,Cu,Ni,Zn
S5	S5	1	1640	Cr,Cu,Ni,Zn
ICV01	ICV01	1	1644	Cr,Cu,Ni,Zn
LLICV01	LLICV01	1	1649	Cr,Cu,Ni,Zn
ICB01	ICB01	1	1654	Cr,Cu,Ni,Zn
CRI01	CRI01	1	1658	Cr,Cu,Ni,Zn
ICSA01	ICSA01	1	1702	Cr,Cu,Ni,Zn
ICSAB01	ICSAB01	1	1706	Cr,Cu,Ni,Zn
CCV01	CCV01	1	1719	Cr,Cu,Ni,Zn
CCB01	CCB01	1	1723	Cr,Cu,Ni,Zn
CCV02	CCV02	1	1744	Cr,Cu,Ni,Zn
CCB02	CCB02	1	1748	Cr,Cu,Ni,Zn
PB169154BL	PB169154BL	1	1752	Cr,Cu,Ni,Zn
PB169154BS	PB169154BS	1	1757	Cr,Cu,Ni,Zn
Q2804-01	WATER-TREATMENT DISCHA	1	1801	Cr,Cu,Ni,Zn
Q2805-02DUP	RW8-SP303-20250807DUP	1	1814	Cr,Cu,Ni,Zn
Q2805-02L	RW8-SP303-20250807L	5	1818	Cr,Cu,Ni,Zn
Q2805-02MS	RW8-SP303-20250807MS	1	1822	Cr,Cu,Ni,Zn
CCV03	CCV03	1	1826	Cr,Cu,Ni,Zn
CCB03	CCB03	1	1830	Cr,Cu,Ni,Zn
Q2805-02MSD	RW8-SP303-20250807MSD	1	1835	Cr,Cu,Ni,Zn
CCV04	CCV04	1	1859	Cr,Cu,Ni,Zn
CCB04	CCB04	1	1903	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.:** Q2804

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	0.0007850	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
- 11 -
ICP INTERELEMENT CORRECTION FACTORS

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

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	0.0009530
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
- 11 -
ICP INTERELEMENT CORRECTION FACTORS

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

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	0.0000070	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
- 11 -
ICP INTERELEMENT CORRECTION FACTORS

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

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	-0.0047000	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
- 11 -
ICP INTERELEMENT CORRECTION FACTORS

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

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	0.0001110	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:	Q2804	**OrderDate:**	8/7/2025 2:46:00 PM
Client:	VERINA CONSULTING GROUP, LLC	**Project:**	Rotor Clip NJ WTD - 2025
Contact:	Michael Valenzi	**Location:**	J22

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2804-01	**WATER-TREATMENT DISCHARGE**	**Water**			**08/07/25**			**08/07/25**
			Metals Group4	6010D		08/08/25	08/11/25	

METAL PREPARATION & ANALYICAL SUMMARY

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Metals
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SAMPLE PREPARATION SUMMARY

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

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:	**PB169154**						
PB169154BL	PB169154BL	MB	WATER	08/08/2025	50.0	25.0	
PB169154BS	PB169154BS	LCS	WATER	08/08/2025	50.0	25.0	
Q2804-01	WATER-TREATMENT DISCHARGE	SAM	WATER	08/08/2025	50.0	25.0	
Q2805-02DUP	RW8-SP303-20250807DUP	DUP	WATER	08/08/2025	50.0	25.0	
Q2805-02MS	RW8-SP303-20250807MS	MS	WATER	08/08/2025	50.0	25.0	
Q2805-02MSD	RW8-SP303-20250807MSD	MSD	WATER	08/08/2025	50.0	25.0	

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB136779

Review By	Janvi	Review On	8/13/2025 10:17:16 AM
Supervise By	jaswal	Supervise On	8/13/2025 4:06:52 PM

STD. NAME	STD REF.#
ICAL Standard	MP86640,MP86656,MP86653,MP86643,MP86642,MP86641
ICV Standard	MP86752,MP86656
CCV Standard	MP86646
ICSA Standard	MP86651,MP86753
CRI Standard	MP86656
LCS Standard	
Chk Standard	MP86647,MP86648

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	08/11/25 16:19		Jaswal	OK
2	S1	S1	CAL2	08/11/25 16:23		Jaswal	OK
3	S2	S2	CAL3	08/11/25 16:27		Jaswal	OK
4	S3	S3	CAL4	08/11/25 16:31		Jaswal	OK
5	S4	S4	CAL5	08/11/25 16:36		Jaswal	OK
6	S5	S5	CAL6	08/11/25 16:40		Jaswal	OK
7	ICV01	ICV01	ICV	08/11/25 16:44		Jaswal	OK
8	LLICV01	LLICV01	LLICV	08/11/25 16:49		Jaswal	OK
9	ICB01	ICB01	ICB	08/11/25 16:54		Jaswal	OK
10	CRI01	CRI01	CRDL	08/11/25 16:58		Jaswal	OK
11	ICSA01	ICSA01	ICSA	08/11/25 17:02		Jaswal	OK
12	ICSAB01	ICSAB01	ICSAB	08/11/25 17:06		Jaswal	OK
13	ICSADL	ICSADL	ICSA	08/11/25 17:10		Jaswal	OK
14	ICSABDL	ICSABDL	ICSAB	08/11/25 17:15		Jaswal	OK
15	CCV01	CCV01	CCV	08/11/25 17:19		Jaswal	OK
16	CCB01	CCB01	CCB	08/11/25 17:23		Jaswal	OK
17	Q2759-04	LIQUID-DRUM	SAM	08/11/25 17:27		Jaswal	OK
18	Q2801-01	TR-04-080725	SAM	08/11/25 17:31		Jaswal	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB136779

Review By	Janvi	Review On	8/13/2025 10:17:16 AM
Supervise By	jaswal	Supervise On	8/13/2025 4:06:52 PM

STD. NAME	STD REF.#
ICAL Standard	MP86640,MP86656,MP86653,MP86643,MP86642,MP86641
ICV Standard	MP86752,MP86656
CCV Standard	MP86646
ICSA Standard	MP86651,MP86753
CRI Standard	MP86656
LCS Standard	
Chk Standard	MP86647,MP86648

19	Q2769-01	001-WILLETS-PT-BLV	SAM	08/11/25 17:35		Jaswal	OK
20	Q2769-04	002-35TH-AVE(AUG)	SAM	08/11/25 17:40		Jaswal	OK
21	CCV02	CCV02	CCV	08/11/25 17:44		Jaswal	OK
22	CCB02	CCB02	CCB	08/11/25 17:48		Jaswal	OK
23	PB169154BL	PB169154BL	MB	08/11/25 17:52		Jaswal	OK
24	PB169154BS	PB169154BS	LCS	08/11/25 17:57		Jaswal	OK
25	Q2804-01	WATER-TREATMENT	SAM	08/11/25 18:01		Jaswal	OK
26	Q2805-01	RW8-SP100-2025080	SAM	08/11/25 18:05		Jaswal	OK
27	Q2805-02	RW8-SP303-2025080	SAM	08/11/25 18:09		Jaswal	OK
28	Q2805-02DUP	RW8-SP303-2025080	DUP	08/11/25 18:14		Jaswal	OK
29	Q2805-02L	RW8-SP303-2025080	SD	08/11/25 18:18		Jaswal	OK
30	Q2805-02MS	RW8-SP303-2025080	MS	08/11/25 18:22		Jaswal	OK
31	CCV03	CCV03	CCV	08/11/25 18:26		Jaswal	OK
32	CCB03	CCB03	CCB	08/11/25 18:30		Jaswal	OK
33	Q2805-02MSD	RW8-SP303-2025080	MSD	08/11/25 18:35		Jaswal	OK
34	Q2805-02A	RW8-SP303-2025080	PS	08/11/25 18:38	0.1ML OF EACH M6004 AND M6017	Jaswal	OK
35	Q2807-01	COMP-4	SAM	08/11/25 18:42		Jaswal	OK
36	Q2807-02	COMP-5	SAM	08/11/25 18:47		Jaswal	OK
37	Q2807-03	COMP-6	SAM	08/11/25 18:51		Jaswal	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB136779

Review By	Janvi	Review On	8/13/2025 10:17:16 AM
Supervise By	jaswal	Supervise On	8/13/2025 4:06:52 PM

STD. NAME	STD REF.#
ICAL Standard	MP86640,MP86656,MP86653,MP86643,MP86642,MP86641
ICV Standard	MP86752,MP86656
CCV Standard	MP86646
ICSA Standard	MP86651,MP86753
CRI Standard	MP86656
LCS Standard	
Chk Standard	MP86647,MP86648

38	Q2798-01	TP-6	SAM	08/11/25 18:55		Jaswal	OK
39	CCV04	CCV04	CCV	08/11/25 18:59		Jaswal	OK
40	CCB04	CCB04	CCB	08/11/25 19:03		Jaswal	OK

Alliance TECHNICAL GROUP

Water Metals Preparation Sheet

PB169154

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: 08/08/2025 **Time :** 11:10 **Temp :** 96 °C

End Digest Date: 08/08/2025 **Time :** 14:12 **Temp :** 96 °C

Digestion tube ID: M5595

Block thermometer ID: MET-DIG. #1

Dig Technician Signature: SI23

Supervisor Signature: Jepp

Temp : 1. 96°C 2. N/A

Standared Name	MLS USED	STD REF. # FROM LOG
LFS-1	0.25	M6180
LFS-2	0.25	M6181
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 96C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
08/08/25 15:12	SI23 met dig	Jepp / Metlab
	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

Water Metals Preparation Sheet

PB169154

Lab Sample ID	Client Sample ID	pH	Initial Vol (ml)	Final Vol (ml)	Color Before	Color After	Clarity Before	Clarity After	Comment	Prep Pos
PB169154BL	PBW154	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	1
PB169154BS	LCS154	<2	50	25	Colorless	Colorless	Clear	Clear	M6180,M6181	2
Q2759-04	LIQUID-DRUM	<2	5.00	25	Colorless	Colorless	Clear	Clear	N/A	3
Q2804-01	WATER-TREATMENT DISCHARGE	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	4
Q2805-01	RW8-SP100-20250807	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	5
Q2805-02	RW8-SP303-20250807	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	6
Q2805-02MS	RW8-SP303-20250807MS	<2	50	25	Colorless	Colorless	Clear	Clear	M6180,M6181	8
Q2805-02MSD	RW8-SP303-20250807MSD	<2	50	25	Colorless	Colorless	Clear	Clear	M6180,M6181	9
Q2805-02DUP	RW8-SP303-20250807DUP	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	7

SAMPLE DATA

Alliance TECHNICAL GROUP
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Report of Analysis

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

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

Comments:

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

QC RESULT SUMMARY

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Initial and Continuing Calibration Verification

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

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

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV						
Residual Chlorine	mg/L	0.419	0.4	105	90-110	08/07/2025
Sample ID: CCV1						
Residual Chlorine	mg/L	0.409	0.4	102	90-110	08/07/2025
Sample ID: CCV2						
Residual Chlorine	mg/L	0.409	0.4	102	90-110	08/07/2025

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Initial and Continuing Calibration Verification

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

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: **ICV1**						
Ammonia as N	mg/L	0.99	1	99	90-110	08/12/2025
Sample ID: **CCV1**						
Ammonia as N	mg/L	0.97	1	97	90-110	08/12/2025
Sample ID: **CCV2**						
Ammonia as N	mg/L	0.97	1	97	90-110	08/12/2025
Sample ID: **CCV3**						
Ammonia as N	mg/L	1	1	100	90-110	08/12/2025
Sample ID: **CCV4**						
Ammonia as N	mg/L	0.99	1	99	90-110	08/12/2025

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Initial and Continuing Calibration Blank Summary

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

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: ICB							
Residual Chlorine	mg/L	< 0.0500	0.0500	U	0.023	0.1	08/07/2025
Sample ID: CCB1							
Residual Chlorine	mg/L	< 0.0500	0.0500	U	0.023	0.1	08/07/2025
Sample ID: CCB2							
Residual Chlorine	mg/L	< 0.0500	0.0500	U	0.023	0.1	08/07/2025

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Initial and Continuing Calibration Blank Summary

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

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

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Preparation Blank Summary

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

Project: Rotor Clip NJ WTD - 2025

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

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Matrix Spike Summary

Client: VERINA CONSULTING GROUP, LLC
SDG No.: Q2804
Project: Rotor Clip NJ WTD - 2025
Sample ID: Q2804-01
Client ID: WATER-TREATMENT DISCHARGEMS
Percent Solids for Spike Sample: 0

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Ammonia as N	mg/L	75-125	1.00		0.11		1	1	89		08/12/2025
Residual Chlorine	mg/L	71-148	0.38		0.023	U	0.4	1	95		08/07/2025

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.: Q2804
Project: Rotor Clip NJ WTD - 2025
Sample ID: Q2804-01
Client ID: WATER-TREATMENT DISCHARGEMSD
Percent Solids for Spike Sample: 0

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Ammonia as N	mg/L	75-125	1.00		0.11		1	1	89		08/12/2025
Residual Chlorine	mg/L	71-148	0.37		0.023	U	0.4	1	92		08/07/2025

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Fax : 908 789 8922

Duplicate Sample Summary

Client: VERINA CONSULTING GROUP, LLC
SDG No.: Q2804
Project: Rotor Clip NJ WTD - 2025
Sample ID: Q2804-01
Client ID: WATER-TREATMENT DISCHARGEDUP
Percent Solids for Spike Sample: 0

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
Residual Chlorine	mg/L	+/-20	0.023	U	0.023	U	1	0		08/07/2025
Ammonia as N	mg/L	+/-20	0.11		0.11		1	0		08/12/2025

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Duplicate Sample Summary

Client: VERINA CONSULTING GROUP, LLC
SDG No.: Q2804
Project: Rotor Clip NJ WTD - 2025
Sample ID: Q2804-01
Client ID: WATER-TREATMENT DISCHARGEMSD
Percent Solids for Spike Sample: 0

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
Residual Chlorine	mg/L	+/-20	0.38		0.37		1	2.67		08/07/2025
Ammonia as N	mg/L	+/-20	1.00		1.00		1	0		08/12/2025

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Laboratory Control Sample Summary

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

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

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Laboratory Control Sample Summary

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

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

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Instrument ID: SPECTROPHOTOMETER-1

Daily Analysis Runlog For Sequence/QCBatch ID # LB136744

Review By	Eman	Review On	8/8/2025 8:38:06 AM
Supervise By	Iwona	Supervise On	8/8/2025 8:49:37 AM
SubDirectory	LB136744	Test	Residual Chlorine

STD. NAME	STD REF.#
ICAL Standard	N/A
ICV Standard	N/A
CCV Standard	N/A
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	N/A
Chk Standard	WP114216,WP114211,WP114212,WP114213,WP114210,WP114214,WP114215

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

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Instrument ID: KONELAB

Daily Analysis Runlog For Sequence/QCBatch ID # LB136784

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

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

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

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Fax : 908 789 8922

Instrument ID: KONELAB

Daily Analysis Runlog For Sequence/QCBatch ID # LB136784

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

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

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

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Fax : 908 789 8922

Instrument ID: KONELAB

Daily Analysis Runlog For Sequence/QCBatch ID # LB136784

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

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

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

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LAB CHRONICLE

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

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

Alliance TECHNICAL GROUP

Water Ammonia Preparation Sheet

PB169199

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

SDG No : N/A

Matrix : WATER

Pippete ID : WC

Balance ID : N/A

Hood ID : HOOD#2

Block ID : WC-DIST-BLOCK-1

Weigh By : RM

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

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

Digestion tube ID : M5595

Filter paper ID : N/A

pH Meter ID : N/A

Block Thermometer ID : WC CYANIDE

Prep Technician Signature: RM

Supervisor Signature: JZ

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

Chemical Used	ML/SAMPLE USED	Lot Number
BORATE BUFFER	2.5ML	WP113886
NAOH 6N	0.5-2.0ML	WP113887
H2SO4 0.04N	5.0ML	WP112828
pH strip-Ammonia	N/A	W3133
KI-starch paper	N/A	W3155
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

ALL GLASSWEAR ARE STEAMED OUT AND THERE WERE NO TRACE OF AMMONIA USING NESLER REAGENT WP114104,. Due to bad matrix and client history 1ML was taken as an initial volume for Q2813-01-05.

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

Alliance TECHNICAL GROUP

Water Ammonia Preparation Sheet

PB169199

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

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. Q2804
COC Number 2045345

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 Vaunzi
PHONE: 908-864-4400 FAX: 908-864-4401

CLIENT PROJECT INFORMATION

PROJECT NAME: Rotor Clip
PROJECT NO.: 5183.0001 LOCATION: NJ
PROJECT MANAGER: Michael Vaunzi
e-mail: mvaunzi@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: Chloride, 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		8/7/25	10:48	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 Vaunzi	8/7/25 11:30	1. 8-7-25 12:10
2.		2.
3.	8-7-25 1518	3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP See °C
Comments: Flow Rate = 36
pH = 9.1
Temperature = 76.3°F
Cr, Cu, Ni, Zn = Metals Group 4

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