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 : Q1324

ATTENTION : Michael Valenzi

Laboratory Certification ID # 20012

Table Of Contents for Q1324

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) : Q1324
Sampling Date(s) : 2/06/2025
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 : Q1324

Project ID : Rotor Clip NJ WTD - 2025

Client : VERINA CONSULTING GROUP, LLC

Lab Sample Number	Client Sample Number
Q1324-01	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: 2/14/2025

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
Chemtech Project # Q1324
Test Name: Metals Group4

A. Number of Samples and Date of Receipt:
1 Water sample was received on 02/06/2025.

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
Chemtech Project # Q1324
Test Name: Ammonia,Residual Chlorine

A. Number of Samples and Date of Receipt:
1 Water sample was received on 02/06/2025.

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 due to sample receive out of holding time.
Sample WATER TREATMENT DISCHARGE was diluted due to high concentrations for Ammonia as N.
The Blank Spike met requirements for all samples.
The Duplicate analysis met criteria for all samples.
The Matrix Spike analysis met criteria for all samples.
The Matrix Spike Duplicate (DSN002MSD) analysis met criteria for all samples except for Ammonia due to matrix interference.
The Blank analysis did not indicate the presence of lab contamination.
The Calibration met the requirements.

E. Additional Comments:

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

Signature_____

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

DATA REPORTING QUALIFIERS- INORGANIC

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

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

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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q1324

	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:** 02/14/2025

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Hit Summary Sheet
SW-846

SDG No.: Q1324 **Order ID:** Q1324

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								
Q1324-01	WATER TREATMENT DISCHA	Water	Chromium	166		0.66	5.00	ug/L
Q1324-01	WATER TREATMENT DISCHA	Water	Copper	13.1		7.07	10.0	ug/L
Q1324-01	WATER TREATMENT DISCHA	Water	Nickel	6.78	J	0.85	20.0	ug/L
Q1324-01	WATER TREATMENT DISCHA	Water	Zinc	163		1.75	20.0	ug/L

SAMPLE DATA

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Report of Analysis

Client:	VERINA CONSULTING GROUP, LLC	Date Collected:	02/06/25
Project:	Rotor Clip NJ WTD - 2025	Date Received:	02/06/25
Client Sample ID:	WATER TREATMENT DISCHARGE	SDG No.:	Q1324
Lab Sample ID:	Q1324-01	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	166		1	0.66	5.00	ug/L	02/10/25 09:10	02/12/25 14:50	SW6010	SW3010
7440-50-8	Copper	13.1		1	7.07	10.0	ug/L	02/10/25 09:10	02/12/25 14:50	SW6010	SW3010
7440-02-0	Nickel	6.78	J	1	0.85	20.0	ug/L	02/10/25 09:10	02/12/25 14:50	SW6010	SW3010
7440-66-6	Zinc	163		1	1.75	20.0	ug/L	02/10/25 09:10	02/12/25 14:50	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.:** Q1324

Contract: VERI01 **Lab Code:** CHEM **Case No.:** Q1324 **SAS No.:** Q1324

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	02/12/2025	13:12	LB134704
	Copper	20.0	+/-20.0	U	20.0	P	02/12/2025	13:12	LB134704
	Nickel	40.0	+/-40.0	U	40.0	P	02/12/2025	13:12	LB134704
	Zinc	40.0	+/-40.0	U	40.0	P	02/12/2025	13:12	LB134704

Alliance TECHNICAL GROUP
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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: VERINA CONSULTING GROUP, LLC **SDG No.:** Q1324

Contract: VERI01 **Lab Code:** CHEM **Case No.:** Q1324 **SAS No.:** Q1324

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	02/12/2025	13:43	LB134704
	Copper	20.0	+/-20.0	U	20.0	P	02/12/2025	13:43	LB134704
	Nickel	40.0	+/-40.0	U	40.0	P	02/12/2025	13:43	LB134704
	Zinc	40.0	+/-40.0	U	40.0	P	02/12/2025	13:43	LB134704
CCB02	Chromium	10.0	+/-10.0	U	10.0	P	02/12/2025	14:33	LB134704
	Copper	20.0	+/-20.0	U	20.0	P	02/12/2025	14:33	LB134704
	Nickel	40.0	+/-40.0	U	40.0	P	02/12/2025	14:33	LB134704
	Zinc	40.0	+/-40.0	U	40.0	P	02/12/2025	14:33	LB134704
CCB03	Chromium	10.0	+/-10.0	U	10.0	P	02/12/2025	15:24	LB134704
	Copper	20.0	+/-20.0	U	20.0	P	02/12/2025	15:24	LB134704
	Nickel	40.0	+/-40.0	U	40.0	P	02/12/2025	15:24	LB134704
	Zinc	40.0	+/-40.0	U	40.0	P	02/12/2025	15:24	LB134704
CCB04	Chromium	10.0	+/-10.0	U	10.0	P	02/12/2025	16:17	LB134704
	Copper	20.0	+/-20.0	U	20.0	P	02/12/2025	16:17	LB134704
	Nickel	40.0	+/-40.0	U	40.0	P	02/12/2025	16:17	LB134704
	Zinc	4.78	+/-40.0	J	40.0	P	02/12/2025	16:17	LB134704
CCB05	Chromium	10.0	+/-10.0	U	10.0	P	02/12/2025	17:08	LB134704
	Copper	20.0	+/-20.0	U	20.0	P	02/12/2025	17:08	LB134704
	Nickel	40.0	+/-40.0	U	40.0	P	02/12/2025	17:08	LB134704
	Zinc	40.0	+/-40.0	U	40.0	P	02/12/2025	17:08	LB134704
CCB06	Chromium	10.0	+/-10.0	U	10.0	P	02/12/2025	17:59	LB134704
	Copper	20.0	+/-20.0	U	20.0	P	02/12/2025	17:59	LB134704
	Nickel	40.0	+/-40.0	U	40.0	P	02/12/2025	17:59	LB134704
	Zinc	40.0	+/-40.0	U	40.0	P	02/12/2025	17:59	LB134704
CCB07	Chromium	10.0	+/-10.0	U	10.0	P	02/12/2025	18:38	LB134704
	Copper	20.0	+/-20.0	U	20.0	P	02/12/2025	18:38	LB134704
	Nickel	40.0	+/-40.0	U	40.0	P	02/12/2025	18:38	LB134704
	Zinc	40.0	+/-40.0	U	40.0	P	02/12/2025	18:38	LB134704

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PREPARATION BLANK SUMMARY

Client: VERINA CONSULTING GROUP, LLC **SDG No.:** Q1324

Instrument: P4

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB166635BL		**WATER**		**Batch Number:**	**PB166635**		**Prep Date:**	**02/10/2025**	
	Chromium	5.00	<5.00	U	5.00	P	02/12/2025	15:16	LB134704
	Copper	10.0	<10.0	U	10.0	P	02/12/2025	15:16	LB134704
	Nickel	20.0	<20.0	U	20.0	P	02/12/2025	15:16	LB134704
	Zinc	9.15	<20.0	J	20.0	P	02/12/2025	15:16	LB134704

METAL CALIBRATION DATA

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: VERINA CONSULTING GROUP, LLC **SDG No.:** Q1324

Contract: VERI01 **Lab Code:** CHEM **Case No.:** Q1324 **SAS No.:** Q1324

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	528	520	102	90 - 110	P	02/12/2025	12:59	LB134704
	Copper	520	510	102	90 - 110	P	02/12/2025	12:59	LB134704
	Nickel	514	530	97	90 - 110	P	02/12/2025	12:59	LB134704
	Zinc	1010	1000	101	90 - 110	P	02/12/2025	12:59	LB134704

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: VERINA CONSULTING GROUP, LLC **SDG No.:** Q1324

Contract: VERI01 **Lab Code:** CHEM **Case No.:** Q1324 **SAS No.:** Q1324

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	02/12/2025	13:08	LB134704
	Copper	21.9	20.0	110	80 - 120	P	02/12/2025	13:08	LB134704
	Nickel	39.3	40.0	98	80 - 120	P	02/12/2025	13:08	LB134704
	Zinc	42.2	40.0	106	80 - 120	P	02/12/2025	13:08	LB134704

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: VERINA CONSULTING GROUP, LLC **SDG No.:** Q1324

Contract: VERI01 **Lab Code:** CHEM **Case No.:** Q1324 **SAS No.:** Q1324

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	999	1000	100	90 - 110	P	02/12/2025	13:39	LB134704
	Copper	1260	1250	101	90 - 110	P	02/12/2025	13:39	LB134704
	Nickel	2500	2500	100	90 - 110	P	02/12/2025	13:39	LB134704
	Zinc	2470	2500	99	90 - 110	P	02/12/2025	13:39	LB134704
CCV02	Chromium	1030	1000	103	90 - 110	P	02/12/2025	14:29	LB134704
	Copper	1270	1250	102	90 - 110	P	02/12/2025	14:29	LB134704
	Nickel	2530	2500	101	90 - 110	P	02/12/2025	14:29	LB134704
	Zinc	2520	2500	101	90 - 110	P	02/12/2025	14:29	LB134704
CCV03	Chromium	1020	1000	102	90 - 110	P	02/12/2025	15:20	LB134704
	Copper	1250	1250	100	90 - 110	P	02/12/2025	15:20	LB134704
	Nickel	2490	2500	100	90 - 110	P	02/12/2025	15:20	LB134704
	Zinc	2510	2500	100	90 - 110	P	02/12/2025	15:20	LB134704
CCV04	Chromium	1020	1000	102	90 - 110	P	02/12/2025	16:13	LB134704
	Copper	1240	1250	99	90 - 110	P	02/12/2025	16:13	LB134704
	Nickel	2490	2500	100	90 - 110	P	02/12/2025	16:13	LB134704
	Zinc	2470	2500	99	90 - 110	P	02/12/2025	16:13	LB134704
CCV05	Chromium	1020	1000	102	90 - 110	P	02/12/2025	17:04	LB134704
	Copper	1250	1250	100	90 - 110	P	02/12/2025	17:04	LB134704
	Nickel	2490	2500	100	90 - 110	P	02/12/2025	17:04	LB134704
	Zinc	2480	2500	99	90 - 110	P	02/12/2025	17:04	LB134704
CCV06	Chromium	1020	1000	102	90 - 110	P	02/12/2025	17:55	LB134704
	Copper	1250	1250	100	90 - 110	P	02/12/2025	17:55	LB134704
	Nickel	2500	2500	100	90 - 110	P	02/12/2025	17:55	LB134704
	Zinc	2490	2500	99	90 - 110	P	02/12/2025	17:55	LB134704
CCV07	Chromium	1020	1000	102	90 - 110	P	02/12/2025	18:34	LB134704
	Copper	1270	1250	102	90 - 110	P	02/12/2025	18:34	LB134704
	Nickel	2510	2500	100	90 - 110	P	02/12/2025	18:34	LB134704
	Zinc	2470	2500	99	90 - 110	P	02/12/2025	18:34	LB134704

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CRDL STANDARD FOR AA & ICP

Client: VERINA CONSULTING GROUP, LLC **SDG No.:** Q1324

Contract: VERI01 **Lab Code:** CHEM **Case No.:** Q1324 **SAS No.:** Q1324

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	10.1	10.0	101	40 - 160	P	02/12/2025	13:17	LB134704
	Copper	22.2	20.0	111	40 - 160	P	02/12/2025	13:17	LB134704
	Nickel	40.4	40.0	101	40 - 160	P	02/12/2025	13:17	LB134704
	Zinc	43.0	40.0	108	40 - 160	P	02/12/2025	13:17	LB134704

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INTERFERENCE CHECK SAMPLE

Client: VERINA CONSULTING GROUP, LLC **SDG No.:** Q1324

Contract: VERI01 **Lab Code:** CHEM **Case No.:** Q1324 **SAS No.:** Q1324

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	59.1	52.0	114	42	62	02/12/2025	13:21	LB134704
	Copper	7.73	2.0	386	-18	22	02/12/2025	13:21	LB134704
	Nickel	4.04	2.0	202	-38	42	02/12/2025	13:21	LB134704
	Zinc	4.54			-40	40	02/12/2025	13:21	LB134704
ICSAB01	Chromium	571	542	105	460	624	02/12/2025	13:25	LB134704
	Copper	498	511	98	434	588	02/12/2025	13:25	LB134704
	Nickel	1010	954	106	810	1100	02/12/2025	13:25	LB134704
	Zinc	1050	952	110	809	1095	02/12/2025	13:25	LB134704

METAL QC DATA

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MATRIX SPIKE SUMMARY

client: VERINA CONSULTING GROUP, LLC **level:** low **sdg no.:** Q1324

contract: VERI01 **lab code:** CHEM **case no.:** Q1324 **sas no.:** Q1324

matrix: Water **sample id:** Q1324-01 **client id:** WATER TREATMENT DISCHARGEMS

Percent Solids for Sample: NA **Spiked ID:** Q1324-01MS **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	362		166		200	98		P
Copper	ug/L	75 - 125	149		13.1		150	90		P
Nickel	ug/L	75 - 125	259		6.78	J	250	101		P
Zinc	ug/L	75 - 125	269		163		100	106		P

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metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: VERINA CONSULTING GROUP, LLC **level:** low **sdg no.:** Q1324

contract: VERI01 **lab code:** CHEM **case no.:** Q1324 **sas no.:** Q1324

matrix: Water **sample id:** Q1324-01 **client id:** WATER TREATMENT DISCHARGEMSD

Percent Solids for Sample: NA **Spiked ID:** Q1324-01MSD **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	363		166		200	99		P
Copper	ug/L	75 - 125	148		13.1		150	90		P
Nickel	ug/L	75 - 125	259		6.78	J	250	101		P
Zinc	ug/L	75 - 125	267		163		100	105		P

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Metals
- 5b -

Client: VERINA CONSULTING GROUP, LLC **SDG No.:** Q1324

Contract: VERI01 **Lab Code:** CHEM **Case No.:** Q1324 **SAS No.:** Q1324

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.:** Q1324

Contract: VERI01 **Lab Code:** CHEM **Case No.:** Q1324 **SAS No.:** Q1324

Matrix: Water **Sample ID:** Q1324-01 **Client ID:** WATER TREATMENT DISCHARGEDUP

Percent Solids for Sample: NA **Duplicate ID** Q1324-01DUP **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Chromium	ug/L	20	166		164		1		P
Copper	ug/L	20	13.1		12.9		2		P
Nickel	ug/L	20	6.78	J	6.61	J	3		P
Zinc	ug/L	20	163		162		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.:** Q1324

Contract: VERI01 **Lab Code:** CHEM **Case No.:** Q1324 **SAS No.:** Q1324

Matrix: Water **Sample ID:** Q1324-01MS **Client ID:** WATER TREATMENT DISCHARGEMSD

Percent Solids for Sample: NA **Duplicate ID** Q1324-01MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Chromium	ug/L	20	362		363		0		P
Copper	ug/L	20	149		148		1		P
Nickel	ug/L	20	259		259		0		P
Zinc	ug/L	20	269		267		1		P

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

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Metals

LABORATORY CONTROL SAMPLE SUMMARY

Client: VERINA CONSULTING GROUP, LLC **SDG No.:** Q1324

Contract: VERI01 **Lab Code:** CHEM **Case No.:** Q1324 **SAS No.:** Q1324

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB166635BS							
Chromium	ug/L	200	199		100	80 - 120	P
Copper	ug/L	150	146		97	80 - 120	P
Nickel	ug/L	250	236		94	80 - 120	P
Zinc	ug/L	100	100		100	80 - 120	P

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Metals

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ICP SERIAL DILUTIONS

SAMPLE NO.

WATER TREATMENT DISCHARGEL

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

Lab Code: CHEM **Lb No.:** lb134704 **Lab Sample ID :** Q1324-01L **SDG No.:** Q1324

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	166		165		0		P
Copper	13.1		50.0	U	100.0		P
Nickel	6.78	J	6.63	J	2		P
Zinc	163		156		4		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.:** Q1324 **Sas no.:** Q1324 **Sdg no.:** Q1324

Instrument id number: **Method:** **Run number:** LB134704

Start date: 02/12/2025 **End date:** 02/12/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1147	Cr,Cu,Ni,Zn
S1	S1	1	1152	Cr,Cu,Ni,Zn
S2	S2	1	1156	Cr,Cu,Ni,Zn
S3	S3	1	1200	Cr,Cu,Ni,Zn
S4	S4	1	1204	Cr,Cu,Ni,Zn
S5	S5	1	1209	Cr,Cu,Ni,Zn
ICV01	ICV01	1	1259	Cr,Cu,Ni,Zn
LLICV01	LLICV01	1	1308	Cr,Cu,Ni,Zn
ICB01	ICB01	1	1312	Cr,Cu,Ni,Zn
CRI01	CRI01	1	1317	Cr,Cu,Ni,Zn
ICSA01	ICSA01	1	1321	Cr,Cu,Ni,Zn
ICSAB01	ICSAB01	1	1325	Cr,Cu,Ni,Zn
CCV01	CCV01	1	1339	Cr,Cu,Ni,Zn
CCB01	CCB01	1	1343	Cr,Cu,Ni,Zn
CCV02	CCV02	1	1429	Cr,Cu,Ni,Zn
CCB02	CCB02	1	1433	Cr,Cu,Ni,Zn
Q1324-01	WATER TREATMENT DISCHA	1	1450	Cr,Cu,Ni,Zn
Q1324-01DUP	WATER TREATMENT DISCHA	1	1455	Cr,Cu,Ni,Zn
Q1324-01L	WATER TREATMENT DISCHA	5	1459	Cr,Cu,Ni,Zn
Q1324-01MS	WATER TREATMENT DISCHA	1	1503	Cr,Cu,Ni,Zn
Q1324-01MSD	WATER TREATMENT DISCHA	1	1507	Cr,Cu,Ni,Zn
PB166635BL	PB166635BL	1	1516	Cr,Cu,Ni,Zn
CCV03	CCV03	1	1520	Cr,Cu,Ni,Zn
CCB03	CCB03	1	1524	Cr,Cu,Ni,Zn
PB166635BS	PB166635BS	1	1529	Cr,Cu,Ni,Zn
CCV04	CCV04	1	1613	Cr,Cu,Ni,Zn
CCB04	CCB04	1	1617	Cr,Cu,Ni,Zn
CCV05	CCV05	1	1704	Cr,Cu,Ni,Zn
CCB05	CCB05	1	1708	Cr,Cu,Ni,Zn
CCV06	CCV06	1	1755	Cr,Cu,Ni,Zn
CCB06	CCB06	1	1759	Cr,Cu,Ni,Zn
CCV07	CCV07	1	1834	Cr,Cu,Ni,Zn
CCB07	CCB07	1	1838	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.:** Q1324

Contract: VERI01 **Lab Code:** CHEM **Case No.:** Q1324 **SAS No.:** Q1324

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.:** Q1324

Contract: VERI01 **Lab Code:** CHEM **Case No.:** Q1324 **SAS No.:** Q1324

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.:** Q1324

Contract: VERI01 **Lab Code:** CHEM **Case No.:** Q1324 **SAS No.:** Q1324

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.:** Q1324

Contract: VERI01 **Lab Code:** CHEM **Case No.:** Q1324 **SAS No.:** Q1324

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.:** Q1324

Contract: VERI01 **Lab Code:** CHEM **Case No.:** Q1324 **SAS No.:** Q1324

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:	Q1324	**OrderDate:**	2/6/2025 1:55:00 PM
Client:	VERINA CONSULTING GROUP, LLC	**Project:**	Rotor Clip NJ WTD - 2025
Contact:	Michael Valenzi	**Location:**	D11

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1324-01	**WATER TREATMENT DISCHARGE**	**Water**			**02/06/25**			**02/06/25**
			Metals Group4	6010D		02/10/25	02/12/25	

METAL PREPARATION & ANALYICAL SUMMARY

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Metals
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SAMPLE PREPARATION SUMMARY

Client: VERINA CONSULTING GROUP, LLC **SDG No.:** Q1324

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

Case No.: Q1324 **SAS No.:** Q1324

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(mL)	Final Sample Volume (mL)	Percent Solids
Batch Number:	**PB166635**						
PB166635BL	PB166635BL	MB	WATER	02/10/2025	50.0	25.0	
PB166635BS	PB166635BS	LCS	WATER	02/10/2025	50.0	25.0	
Q1324-01	WATER TREATMENT DISCHARGE	SAM	WATER	02/10/2025	50.0	25.0	
Q1324-01DUP	WATER TREATMENT DISCHARGEDUP	DUP	WATER	02/10/2025	50.0	25.0	
Q1324-01MS	WATER TREATMENT DISCHARGEMS	MS	WATER	02/10/2025	50.0	25.0	
Q1324-01MSD	WATER TREATMENT DISCHARGEMSD	MSD	WATER	02/10/2025	50.0	25.0	

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB134704

Review By	kareem	Review On	2/13/2025 5:06:02 PM
Supervise By	JANVI	Supervise On	2/13/2025 5:07:41 PM

STD. NAME	STD REF.#
ICAL Standard	MP84204,MP84381,MP84383,MP84384,MP84385,MP84386,MP84388
ICV Standard	MP84446
CCV Standard	MP84392
ICSA Standard	MP84230,MP84231
CRI Standard	
LCS Standard	MP84387
Chk Standard	MP84218,MP84219

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	02/12/25 11:47		Kareem	OK
2	S1	S1	CAL2	02/12/25 11:52		Kareem	OK
3	S2	S2	CAL3	02/12/25 11:56		Kareem	OK
4	S3	S3	CAL4	02/12/25 12:00		Kareem	OK
5	S4	S4	CAL5	02/12/25 12:04		Kareem	OK
6	S5	S5	CAL6	02/12/25 12:09		Kareem	OK
7	ICV01	ICV01	ICV	02/12/25 12:59		Kareem	OK
8	LLICV01	LLICV01	LLICV	02/12/25 13:08		Kareem	OK
9	ICB01	ICB01	ICB	02/12/25 13:12		Kareem	OK
10	CRI01	CRI01	CRDL	02/12/25 13:17		Kareem	OK
11	ICSA01	ICSA01	ICSA	02/12/25 13:21		Kareem	OK
12	ICSAB01	ICSAB01	ICSAB	02/12/25 13:25		Kareem	OK
13	ICSADL	ICSADL	ICSA	02/12/25 13:31		Kareem	OK
14	ICSABDL	ICSABDL	ICSAB	02/12/25 13:35		Kareem	OK
15	CCV01	CCV01	CCV	02/12/25 13:39		Kareem	OK
16	CCB01	CCB01	CCB	02/12/25 13:43		Kareem	OK
17	Q1341-01	HAR-ROLLOFFS	SAM	02/12/25 13:48		Kareem	OK
18	Q1343-01	WC-9	SAM	02/12/25 13:52		Kareem	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB134704

Review By	kareem	Review On	2/13/2025 5:06:02 PM
Supervise By	JANVI	Supervise On	2/13/2025 5:07:41 PM

STD. NAME	STD REF.#
ICAL Standard	MP84204,MP84381,MP84383,MP84384,MP84385,MP84386,MP84388
ICV Standard	MP84446
CCV Standard	MP84392
ICSA Standard	MP84230,MP84231
CRI Standard	
LCS Standard	MP84387
Chk Standard	MP84218,MP84219

19	Q1343-05	WC-10	SAM	02/12/25 13:56		Kareem	OK
20	Q1343-09	WC-7	SAM	02/12/25 14:00		Kareem	OK
21	Q1343-09DUP	WC-7DUP	DUP	02/12/25 14:04		Kareem	OK
22	Q1343-09L	WC-7L	SD	02/12/25 14:08		Kareem	OK
23	Q1343-09MS	WC-7MS	MS	02/12/25 14:13	0.1 ML M6010 AND M6001 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
24	Q1343-09MSD	WC-7MSD	MSD	02/12/25 14:17	0.1 ML M6010 AND M6001 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
25	Q1343-09A	WC-7A	PS	02/12/25 14:21	0.1 ML M6010 AND M6001 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
26	Q1343-13	WC-13	SAM	02/12/25 14:25		Kareem	OK
27	CCV02	CCV02	CCV	02/12/25 14:29		Kareem	OK
28	CCB02	CCB02	CCB	02/12/25 14:33		Kareem	OK
29	Q1343-17	WC-14	SAM	02/12/25 14:37		Kareem	OK
30	PB166634BL	PB166634BL	MB	02/12/25 14:41		Kareem	OK
31	PB166634BS	PB166634BS	LCS	02/12/25 14:46	0.1 ML M6010 AND M6001 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
32	Q1324-01	WATER TREATMENT	SAM	02/12/25 14:50		Kareem	OK
33	Q1324-01DUP	WATER TREATMENT	DUP	02/12/25 14:55		Kareem	OK
34	Q1324-01L	WATER TREATMENT	SD	02/12/25 14:59		Kareem	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB134704

Review By	kareem	Review On	2/13/2025 5:06:02 PM
Supervise By	JANVI	Supervise On	2/13/2025 5:07:41 PM

STD. NAME	STD REF.#
ICAL Standard	MP84204,MP84381,MP84383,MP84384,MP84385,MP84386,MP84388
ICV Standard	MP84446
CCV Standard	MP84392
ICSA Standard	MP84230,MP84231
CRI Standard	
LCS Standard	MP84387
Chk Standard	MP84218,MP84219

35	Q1324-01MS	WATER TREATMENT	MS	02/12/25 15:03	0.1 ML M6010 AND M6001 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
36	Q1324-01MSD	WATER TREATMENT	MSD	02/12/25 15:07	0.1 ML M6010 AND M6001 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
37	Q1324-01A	WATER TREATMENT	PS	02/12/25 15:12	0.1 ML M6010 AND M6001 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
38	PB166635BL	PB166635BL	MB	02/12/25 15:16		Kareem	OK
39	CCV03	CCV03	CCV	02/12/25 15:20		Kareem	OK
40	CCB03	CCB03	CCB	02/12/25 15:24		Kareem	OK
41	PB166635BS	PB166635BS	LCS	02/12/25 15:29	0.1 ML M6010 AND M6001 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
42	PB166651TB	PB166651TB	MB	02/12/25 15:33		Kareem	OK
43	Q1343-04	WC-9	SAM	02/12/25 15:37		Kareem	OK
44	Q1343-08	WC-10	SAM	02/12/25 15:42		Kareem	OK
45	Q1343-12	WC-7	SAM	02/12/25 15:46		Kareem	OK
46	Q1343-16	WC-13	SAM	02/12/25 15:51		Kareem	OK
47	Q1343-20	WC-14	SAM	02/12/25 15:55		Kareem	OK
48	Q1344-02	SOIL-1	SAM	02/12/25 15:59		Kareem	OK
49	Q1344-04	SOIL-2	SAM	02/12/25 16:04		Kareem	OK
50	Q1346-02	SOIL-COMP	SAM	02/12/25 16:08		Kareem	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB134704

Review By	kareem	Review On	2/13/2025 5:06:02 PM
Supervise By	JANVI	Supervise On	2/13/2025 5:07:41 PM

STD. NAME	STD REF.#
ICAL Standard	MP84204,MP84381,MP84383,MP84384,MP84385,MP84386,MP84388
ICV Standard	MP84446
CCV Standard	MP84392
ICSA Standard	MP84230,MP84231
CRI Standard	
LCS Standard	MP84387
Chk Standard	MP84218,MP84219

51	CCV04	CCV04	CCV	02/12/25 16:13		Kareem	OK
52	CCB04	CCB04	CCB	02/12/25 16:17		Kareem	OK
53	Q1346-02DUP	SOIL-COMPDUP	DUP	02/12/25 16:21		Kareem	OK
54	Q1346-02L	SOIL-COMPL	SD	02/12/25 16:26		Kareem	OK
55	Q1346-02MS	SOIL-COMPMS	MS	02/12/25 16:30	0.1 ML M6010 AND M6001 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
56	Q1346-02MSD	SOIL-COMPMSD	MSD	02/12/25 16:34	0.1 ML M6010 AND M6001 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
57	Q1346-02A	SOIL-COMPA	PS	02/12/25 16:39	0.1 ML M6010 AND M6001 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
58	PB166680BL	PB166680BL	MB	02/12/25 16:43		Kareem	OK
59	PB166680BS	PB166680BS	LCS	02/12/25 16:47	0.1 ML M6010 AND M6001 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
60	Q1172-03	PT-MIN-WS	SAM	02/12/25 16:51		Kareem	OK
61	Q1172-04	PT-TM-WS	SAM	02/12/25 16:55		Kareem	OK
62	Q1346-01	SOIL-COMP	SAM	02/12/25 17:00		Kareem	OK
63	CCV05	CCV05	CCV	02/12/25 17:04		Kareem	OK
64	CCB05	CCB05	CCB	02/12/25 17:08		Kareem	OK
65	PB166704BL	PB166704BL	MB	02/12/25 17:12		Kareem	OK
66	PB166704BS	PB166704BS	LCS	02/12/25 17:17	0.1 ML M6010 AND M6001 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK

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Fax : 908 789 8922

Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB134704

Review By	kareem	Review On	2/13/2025 5:06:02 PM
Supervise By	JANVI	Supervise On	2/13/2025 5:07:41 PM

STD. NAME	STD REF.#
ICAL Standard	MP84204,MP84381,MP84383,MP84384,MP84385,MP84386,MP84388
ICV Standard	MP84446
CCV Standard	MP84392
ICSA Standard	MP84230,MP84231
CRI Standard	
LCS Standard	MP84387
Chk Standard	MP84218,MP84219

67	Q1346-03	CONCRETE	SAM	02/12/25 17:21		Kareem	OK
68	Q1353-01	346	SAM	02/12/25 17:25		Kareem	OK
69	Q1353-01DUP	346DUP	DUP	02/12/25 17:29		Kareem	OK
70	Q1353-01L	346L	SD	02/12/25 17:34		Kareem	OK
71	Q1353-01MS	346MS	MS	02/12/25 17:38	0.1 ML M6010 AND M6001 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
72	Q1353-01MSD	346MSD	MSD	02/12/25 17:42	0.1 ML M6010 AND M6001 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
73	Q1353-01A	346A	PS	02/12/25 17:46	0.1 ML M6010 AND M6001 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
74	Q1354-01	NB-08-021125	SAM	02/12/25 17:50		Kareem	OK
75	CCV06	CCV06	CCV	02/12/25 17:55		Kareem	OK
76	CCB06	CCB06	CCB	02/12/25 17:59		Kareem	OK
77	Q1172-06	PT-SIO2-WS	SAM	02/12/25 18:03		Kareem	OK
78	PB166414BL	PB166414BL	MB	02/12/25 18:08		Kareem	OK
79	PB166414BS	PB166414BS	LCS	02/12/25 18:12	0.1 ML M6010 AND M6001 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
80	PB166688BL	PB166688BL	MB	02/12/25 18:16		Kareem	OK
81	PB166688BS	PB166688BS	LCS	02/12/25 18:20	0.1 ML M6010 AND M6001 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
82	LR1	LR1	HIGH STD	02/12/25 18:24		Kareem	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB134704

Review By	kareem	Review On	2/13/2025 5:06:02 PM
Supervise By	JANVI	Supervise On	2/13/2025 5:07:41 PM

STD. NAME	STD REF.#
ICAL Standard	MP84204,MP84381,MP84383,MP84384,MP84385,MP84386,MP84388
ICV Standard	MP84446
CCV Standard	MP84392
ICSA Standard	MP84230,MP84231
CRI Standard	
LCS Standard	MP84387
Chk Standard	MP84218,MP84219

83	LR2	LR2	HIGH STD	02/12/25 18:29		Kareem	OK
84	CCV07	CCV07	CCV	02/12/25 18:34		Kareem	OK
85	CCB07	CCB07	CCB	02/12/25 18:38		Kareem	OK

Alliance TECHNICAL GROUP

Water Metals Preparation Sheet

PB166635

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: 02/10/2025 **Time :** 09:10 **Temp :** 96 °C

End Digest Date: 02/10/2025 **Time :** 12:15 **Temp :** 96 °C

Digestion tube ID: M5595

Block thermometer ID: MET-DIG. # 1

Dig Technician Signature: SDS.

Supervisor Signature: JB

Temp : 1. 96°C 2. N/A

Standared Name	MLS USED	STD REF. # FROM LOG
LFS-1	0.25	M6002
LFS-2	0.25	M6011
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	M6126
1:1 HCL	5.00	MP84297
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 #55 Temp: 96 C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
02/10/25 13:15	SDS. met.dig	JB / Met Dig
	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

Water Metals Preparation Sheet

PB166635

Lab Sample ID	Client Sample ID	pH	Initial Vol (ml)	Final Vol (ml)	Color Before	Color After	Clarity Before	Clarity After	Comment	Prep Pos
PB166635BL	PBW635	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	20
PB166635BS	LCS635	<2	50	25	Colorless	Colorless	Clear	Clear	M6002,M6011	21
Q1324-01MS	WATER TREATMENT DISCHARGEMS	<2	50	25	Colorless	Colorless	Clear	Clear	M6002,M6011	24
Q1324-01MSD	WATER TREATMENT DISCHARGEMSD	<2	50	25	Colorless	Colorless	Clear	Clear	M6002,M6011	25
Q1324-01DUP	WATER TREATMENT DISCHARGEDUP	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	23
Q1324-01	WATER TREATMENT DISCHARGE	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	22

SAMPLE DATA

Alliance TECHNICAL GROUP
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:	02/06/25 13:20
Project:	Rotor Clip NJ WTD - 2025	Date Received:	02/06/25
Client Sample ID:	WATER TREATMENT DISCHARGE	SDG No.:	Q1324
Lab Sample ID:	Q1324-01	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Ammonia as N	2.10	OR	1	0.045	0.10	mg/L	02/07/25 09:10	02/07/25 12:33	SM 4500-NH3 B plus G-11
Residual Chlorine	1.12	H	1	0.016	0.10	mg/L		02/07/25 10:42	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

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Report of Analysis

Client:	VERINA CONSULTING GROUP, LLC	Date Collected:	02/06/25 13:20
Project:	Rotor Clip NJ WTD - 2025	Date Received:	02/06/25
Client Sample ID:	WATER TREATMENT DISCHARGEDL	SDG No.:	Q1324
Lab Sample ID:	Q1324-01DL	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	0.090	0.20	mg/L	02/07/25 09:10	02/07/25 13:34	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,
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Initial and Continuing Calibration Verification

Client: VERINA CONSULTING GROUP, LLC **SDG No.:** Q1324

Project: Rotor Clip NJ WTD - 2025 **RunNo.:** LB134619

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV						
Residual Chlorine	mg/L	0.368	0.4	92	90-110	02/07/2025
Sample ID: CCV1						
Residual Chlorine	mg/L	0.378	0.4	94	90-110	02/07/2025
Sample ID: CCV2						
Residual Chlorine	mg/L	0.378	0.4	94	90-110	02/07/2025

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Initial and Continuing Calibration Verification

Client:	VERINA CONSULTING GROUP, LLC	**SDG No.:**	Q1324
Project:	Rotor Clip NJ WTD - 2025	**RunNo.:**	LB134623

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: **ICV1**						
Ammonia as N	mg/L	1	1	100	90-110	02/07/2025
Sample ID: **CCV1**						
Ammonia as N	mg/L	0.99	1	99	90-110	02/07/2025
Sample ID: **CCV2**						
Ammonia as N	mg/L	1	1	100	90-110	02/07/2025
Sample ID: **CCV3**						
Ammonia as N	mg/L	1.1	1	110	90-110	02/07/2025
Sample ID: **CCV4**						
Ammonia as N	mg/L	0.97	1	97	90-110	02/07/2025

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Initial and Continuing Calibration Blank Summary

Client:	VERINA CONSULTING GROUP, LLC	**SDG No.:**	Q1324
Project:	Rotor Clip NJ WTD - 2025	**RunNo.:**	LB134619

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: ICB							
Residual Chlorine	mg/L	< 0.0500	0.0500	U	0.016	0.1	02/07/2025
Sample ID: CCB1							
Residual Chlorine	mg/L	< 0.0500	0.0500	U	0.016	0.1	02/07/2025
Sample ID: CCB2							
Residual Chlorine	mg/L	< 0.0500	0.0500	U	0.016	0.1	02/07/2025

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Initial and Continuing Calibration Blank Summary

Client:	VERINA CONSULTING GROUP, LLC	**SDG No.:**	Q1324
Project:	Rotor Clip NJ WTD - 2025	**RunNo.:**	LB134623

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: ICB1							
Ammonia as N	mg/L	< 0.0500	0.0500	U	0.045	0.1	02/07/2025
Sample ID: CCB1							
Ammonia as N	mg/L	< 0.0500	0.0500	U	0.045	0.1	02/07/2025
Sample ID: CCB2							
Ammonia as N	mg/L	< 0.0500	0.0500	U	0.045	0.1	02/07/2025
Sample ID: CCB3							
Ammonia as N	mg/L	< 0.0500	0.0500	U	0.045	0.1	02/07/2025
Sample ID: CCB4							
Ammonia as N	mg/L	< 0.0500	0.0500	U	0.045	0.1	02/07/2025

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Preparation Blank Summary

Client: VERINA CONSULTING GROUP, LLC **SDG No.:** Q1324

Project: Rotor Clip NJ WTD - 2025

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: LB134619BL							
Residual Chlorine	mg/L	< 0.0500	0.0500	U	0.016	0.1	02/07/2025
Sample ID: PB166612BL							
Ammonia as N	mg/L	< 0.0500	0.0500	U	0.045	0.1	02/07/2025

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Matrix Spike Summary

Client: VERINA CONSULTING GROUP, LLC
SDG No.: Q1324
Project: Rotor Clip NJ WTD - 2025
Sample ID: Q1324-01
Client ID: WATER TREATMENT DISCHARGEMS
Percent Solids for Spike Sample: 0

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Residual Chlorine	mg/L	71-148	1.51		1.12		0.4	1	98		02/07/2025

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Matrix Spike Summary

Client: VERINA CONSULTING GROUP, LLC
SDG No.: Q1324
Project: Rotor Clip NJ WTD - 2025
Sample ID: Q1324-01
Client ID: WATER TREATMENT DISCHARGEMSD
Percent Solids for Spike Sample: 0

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Residual Chlorine	mg/L	71-148	1.46		1.12		0.4	1	85		02/07/2025

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Matrix Spike Summary

Client: VERINA CONSULTING GROUP, LLC
SDG No.: Q1324
Project: Rotor Clip NJ WTD - 2025
Sample ID: Q1325-01
Client ID: DSN002MS
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	7.70	OR	6.90	OR	1	1	80		02/07/2025

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Matrix Spike Summary

Client: VERINA CONSULTING GROUP, LLC
SDG No.: Q1324
Project: Rotor Clip NJ WTD - 2025
Sample ID: Q1325-01
Client ID: DSN002MSD
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	8.20	OR	6.90	OR	1	1	130	*	02/07/2025

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Duplicate Sample Summary

Client: VERINA CONSULTING GROUP, LLC
SDG No.: Q1324
Project: Rotor Clip NJ WTD - 2025
Sample ID: Q1324-01
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	1.12		1.17		1	4.37		02/07/2025

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Duplicate Sample Summary

Client: VERINA CONSULTING GROUP, LLC
SDG No.: Q1324
Project: Rotor Clip NJ WTD - 2025
Sample ID: Q1324-01
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	1.51		1.46		1	3.37		02/07/2025

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Duplicate Sample Summary

Client: VERINA CONSULTING GROUP, LLC
SDG No.: Q1324
Project: Rotor Clip NJ WTD - 2025
Sample ID: Q1325-01
Client ID: DSN002DUP
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	6.90	OR	6.90	OR	1	0		02/07/2025

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Duplicate Sample Summary

Client: VERINA CONSULTING GROUP, LLC
SDG No.: Q1324
Project: Rotor Clip NJ WTD - 2025
Sample ID: Q1325-01
Client ID: DSN002MSD
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	7.70	OR	8.20	OR	1	6		02/07/2025

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Laboratory Control Sample Summary

Client:	VERINA CONSULTING GROUP, LLC	**SDG No.:**	Q1324
Project:	Rotor Clip NJ WTD - 2025	**Run No.:**	LB134619

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID LB134619BS								
Residual Chlorine	**mg/L**	**0.4**	**0.39**		**97**	**1**	**90-110**	**02/07/2025**

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Laboratory Control Sample Summary

Client:	VERINA CONSULTING GROUP, LLC	**SDG No.:**	Q1324
Project:	Rotor Clip NJ WTD - 2025	**Run No.:**	LB134623

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID **PB166612BS**								
Ammonia as N	**mg/L**	**1**	**1.00**		**100**	**1**	**90-110**	**02/07/2025**

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Instrument ID: SPECTROPHOTOMETER-1

Daily Analysis Runlog For Sequence/QCBatch ID # LB134619

Review By	Niha	Review On	2/7/2025 12:55:11 PM
Supervise By	Iwona	Supervise On	2/7/2025 2:49:27 PM
SubDirectory	LB134619	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	WP111848,WP111847,WP111842,WP111843,WP111844,WP111841,WP111845,WP111846,W3147

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	CAL1	CAL1	CAL	02/07/25 10:00		Niha	OK
2	CAL2	CAL2	CAL	02/07/25 10:03		Niha	OK
3	CAL3	CAL3	CAL	02/07/25 10:06		Niha	OK
4	CAL4	CAL4	CAL	02/07/25 10:09		Niha	OK
5	CAL5	CAL5	CAL	02/07/25 10:12		Niha	OK
6	CAL6	CAL6	CAL	02/07/25 10:15		Niha	OK
7	ICV	ICV	ICV	02/07/25 10:18		Niha	OK
8	ICB	ICB	ICB	02/07/25 10:21		Niha	OK
9	CCV1	CCV1	CCV	02/07/25 10:24		Niha	OK
10	CCB1	CCB1	CCB	02/07/25 10:30		Niha	OK
11	LB134619BL	LB134619BL	MB	02/07/25 10:33		Niha	OK
12	LB134619BS	LB134619BS	LCS	02/07/25 10:36		Niha	OK
13	Q1168-09	MDL-WATER-03-QT1	SAM	02/07/25 10:39		Niha	OK
14	Q1324-01	WATER TREATMENT	SAM	02/07/25 10:42		Niha	OK
15	Q1324-01DUP	WATER TREATMENT	DUP	02/07/25 10:45		Niha	OK
16	Q1324-01MS	WATER TREATMENT	MS	02/07/25 10:48		Niha	OK
17	Q1324-01MSD	WATER TREATMENT	MSD	02/07/25 10:51		Niha	OK
18	CCV2	CCV2	CCV	02/07/25 10:54		Niha	OK

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Instrument ID: SPECTROPHOTOMETER-1

Daily Analysis Runlog For Sequence/QCBatch ID # LB134619

Review By	Niha	Review On	2/7/2025 12:55:11 PM
Supervise By	Iwona	Supervise On	2/7/2025 2:49:27 PM
SubDirectory	LB134619	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	WP111848,WP111847,WP111842,WP111843,WP111844,WP111841,WP111845,WP111846,W3147

19	CCB2	CCB2	CCB	02/07/25 10:57		Niha	OK

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Instrument ID: KONELAB

Daily Analysis Runlog For Sequence/QCBatch ID # LB134623

Review By	rubina	Review On	2/10/2025 8:55:56 AM
Supervise By	Iwona	Supervise On	2/10/2025 9:22:59 AM
SubDirectory	LB134623	Test	Ammonia

STD. NAME	STD REF.#
ICAL Standard	WP111829
ICV Standard	WP111831
CCV Standard	WP111830
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	WP111420
Chk Standard	WP110416,WP111745,WP111385,WP111660,WP111832

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	0.0PPM	0.0PPM	CAL1	02/07/25 11:18		rubina	OK
2	0.1PPM	0.1PPM	CAL2	02/07/25 11:18		rubina	OK
3	0.2PPM	0.2PPM	CAL3	02/07/25 11:18		rubina	OK
4	0.4PPM	0.4PPM	CAL4	02/07/25 11:18		rubina	OK
5	1.0PPM	1.0PPM	CAL5	02/07/25 11:18		rubina	OK
6	1.3PPM	1.3PPM	CAL6	02/07/25 11:18		rubina	OK
7	2.0PPM	2.0PPM	CAL7	02/07/25 11:18		rubina	OK
8	ICV1	ICV1	ICV	02/07/25 12:22		rubina	OK
9	ICB1	ICB1	ICB	02/07/25 12:22		rubina	OK
10	CCV1	CCV1	CCV	02/07/25 12:22		rubina	OK
11	CCB1	CCB1	CCB	02/07/25 12:22		rubina	OK
12	RL	RL	SAM	02/07/25 12:22		rubina	OK
13	PB166612BL	PB166612BL	MB	02/07/25 12:22		rubina	OK
14	PB166612BS	PB166612BS	LCS	02/07/25 12:33		rubina	OK
15	Q1316-01	001-WILLETS-PT-BL	SAM	02/07/25 12:33	High	rubina	Dilution
16	Q1316-02	002-35TH-AVE(FEB)	SAM	02/07/25 12:33	High	rubina	Dilution
17	Q1322-04	MANHOLE	SAM	02/07/25 12:33		rubina	OK
18	Q1324-01	WATER TREATMENT	SAM	02/07/25 12:33	High	rubina	Dilution

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Instrument ID: KONELAB

Daily Analysis Runlog For Sequence/QCBatch ID # LB134623

Review By	rubina	Review On	2/10/2025 8:55:56 AM
Supervise By	Iwona	Supervise On	2/10/2025 9:22:59 AM
SubDirectory	LB134623	Test	Ammonia

STD. NAME	STD REF.#
ICAL Standard	WP111829
ICV Standard	WP111831
CCV Standard	WP111830
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	WP111420
Chk Standard	WP110416,WP111745,WP111385,WP111660,WP111832

19	Q1325-01	DSN002	SAM	02/07/25 12:33	High	rubina	Dilution
20	Q1325-01DUP	DSN002DUP	DUP	02/07/25 12:33		rubina	OK
21	CCV2	CCV2	CCV	02/07/25 12:44		rubina	OK
22	CCB2	CCB2	CCB	02/07/25 12:44		rubina	OK
23	Q1325-01MS	DSN002MS	MS	02/07/25 12:44		rubina	OK
24	Q1325-01MSD	DSN002MSD	MSD	02/07/25 12:44		rubina	OK
25	Q1325-03	DSN001	SAM	02/07/25 12:44		rubina	OK
26	Q1325-05	DSN003	SAM	02/07/25 12:44	High	rubina	Dilution
27	PB166614BL	PB166614BL	MB	02/07/25 12:44		rubina	OK
28	PB166614BS	PB166614BS	LCS	02/07/25 12:44		rubina	OK
29	CCV3	CCV3	CCV	02/07/25 12:52		rubina	OK
30	CCB3	CCB3	CCB	02/07/25 12:52		rubina	OK
31	Q1168-09	MDL-WATER-03-QT1	SAM	02/07/25 13:25		rubina	OK
32	Q1168-03	MDL-SOIL-03-QT1-20	SAM	02/07/25 13:25		rubina	OK
33	Q1316-01DL	001-WILLETS-PT-BL\	SAM	02/07/25 13:34	Report 10X	rubina	Confirms
34	Q1316-02DL	002-35TH-AVE(FEB)D	SAM	02/07/25 13:34	Report 10X	rubina	Confirms
35	Q1324-01DL	WATER TREATMENT	SAM	02/07/25 13:34	Report 2X	rubina	Confirms
36	Q1325-01DL	DSN002DL	SAM	02/07/25 13:35	Report 10X	rubina	Confirms
37	Q1325-05DL	DSN003DL	SAM	02/07/25 13:35	Report 10X	rubina	Confirms
38	CCV4	CCV4	CCV	02/07/25 13:35		rubina	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 # LB134623

Review By	rubina	Review On	2/10/2025 8:55:56 AM
Supervise By	lwona	Supervise On	2/10/2025 9:22:59 AM
SubDirectory	LB134623	Test	Ammonia

STD. NAME	STD REF.#
ICAL Standard	WP111829
ICV Standard	WP111831
CCV Standard	WP111830
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	WP111420
Chk Standard	WP110416,WP111745,WP111385,WP111660,WP111832

39	CCB4	CCB4	CCB	02/07/25 13:35		rubina	OK

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

LAB CHRONICLE

OrderID:	Q1324	**OrderDate:**	2/6/2025 1:55:00 PM
Client:	VERINA CONSULTING GROUP, LLC	**Project:**	Rotor Clip NJ WTD - 2025
Contact:	Michael Valenzi	**Location:**	D11

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1324-01	**WATER TREATMENT DISCHARGE**	**WATER**			**02/06/25 13:20**			**02/06/25**
			Ammonia	SM4500-NH3		02/07/25	02/07/25 12:33	
			Residual Chlorine	SM4500 Cl G			02/07/25 10:42	
Q1324-01DL	**WATER TREATMENT DISCHARGEDL**	**WATER**			**02/06/25 13:20**			**02/06/25**
			Ammonia	SM4500-NH3		02/07/25	02/07/25 13:34	

Alliance TECHNICAL GROUP

Water Ammonia Preparation Sheet

PB166612

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

SDG No : N/A

Start Digest Date: 02/07/2025 **Time :** 09:10 **Temp :** 150 °C

Matrix : WATER

End Digest Date: 02/07/2025 **Time :** 10:10 **Temp :** 160 °C

Pippete ID : WC

II batch 02/07/2025 10:30 150c
02/07/2025 11:30 160c RM

Balance ID : N/A

Hood ID : HOOD#2 **Digestion tube ID :** M5595 **Block Thermometer ID :** WC CYANIDE

Block ID : WC-DIST-BLOCK-1 **Filter paper ID :** N/A **Prep Technician Signature:** RM

Weigh By : N/A **pH Meter ID :** N/A **Supervisor Signature:** 12

Standared Name	MLS USED	STD REF. # FROM LOG
LCSW	1.0ML	WP111420
MS/MSD SPIKE SOL.	1.0ML	WP111419
PBW	50.0ML	W3112
RL CHECK	0.1ML	WP111419
MDL	0.8ML	WP111832

Chemical Used	ML/SAMPLE USED	Lot Number
BORATE BUFFER	2.5ML	WP111325
NAOH 6N	0.5-2.0ML	WP111318
H2SO4 0.04N	5.0ML	WP110335
pH strip-Ammonia	N/A	W3133
KI-starch paper	N/A	W3155
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

ALL GLASSWEAR ARE STEAMED OUT AND THERE WERE NO TRACE OF AMMONIA USING NESLER REAGENT
WP111604,

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
02/07/2025 11:45	RM (WC)	RM (WC)
	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

Water Ammonia Preparation Sheet

PB166612

Lab Sample ID	Client Sample ID	Initial Vol (ml)	Final Vol (ml)	pH	Sulfide	Oxidizing	Nitrate/ Nitrite	Comment	Prep Pos
PB166612BL	PBW612	50	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
PB166612BS	LCS612	50	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
Q1168-09	MDL-WATER-03-QT1-2025	50	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
Q1316-01	001-WILLETS-PT-BLVD(FEB)	50	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
Q1316-02	002-35TH-AVE(FEB)	50	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
Q1322-04	MANHOLE	50	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
Q1324-01	WATER TREATMENT DISCHARGE	50	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
Q1325-01	DSN002	50	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
Q1325-01DUP	DSN002DUP	50	50	<2	N/A	Negative	N/A	PH AFTER ADDING DIST BUFFER>11	N/A
Q1325-01MS	DSN002MS	50	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
Q1325-01MSD	DSN002MSD	50	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
Q1325-03	DSN001	50	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
Q1325-05	DSN003	50	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. Q1324
QUOTE NO.
COC Number 2046358

7
7.1

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: VERINA CONSULTING GROUP
ADDRESS: 101 US HIGHWAY 22, SUITE 302
CITY BRIDGEWATER STATE: NJ ZIP: 08807
ATTENTION: MICHAEL VALENZI
PHONE: 908-864-4400 FAX: 908-864-4401

CLIENT PROJECT INFORMATION

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

CLIENT BILLING INFORMATION

BILL TO: SEE LEFT PO#: 5183-0001
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. Ammania
4
5
6
7
8
9

PRESERVATIVES

B E C

COMMENTS

← Specify Preservatives
A-HCl D-NaOH
B-HN03 E-ICE
C-H2SO4 F-OTHER

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRES 1	PRES 2	PRES 3	PRES 4	PRES 5	PRES 6	PRES 7	PRES 8	PRES 9	COMMENTS
1.	WATER TREATMENT DISCHARGE	WW	X		2/6/25	13:20	3	X	X	X							
2.																	
3.																	
4.																	
5.																	
6.																	
7.		L															
8.																	
9.																	
10.																	

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

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:	DATE/TIME:
1.	2-6-25 1353	1.	2-6-25 1353
2.	DATE/TIME:	2.	
3.	2-6-25 1830	3.	

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 2.9 °C
Comments: FLOW RATE = 52
PH = 9.78
TEMPERATURE = 69.1°F
Cr, Cu, Ni, Zn = Metals Group 4

Page 1 of 1

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete ☐ YES ☐ NO

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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