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 : Q1048

ATTENTION : Michael Valenzi

Laboratory Certification ID # 20012

Table Of Contents for Q1048

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) : Q1048
Sampling Date(s) : 1/09/2025
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 : Q1048

Project ID : Rotor Clip NJ WTD - 2025

Client : VERINA CONSULTING GROUP, LLC

Lab Sample Number	Client Sample Number
Q1048-01	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: 1/20/2025

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 # Q1048
Test Name: Metals Group4

A. Number of Samples and Date of Receipt:
1 Water sample was received on 01/09/2025.

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:
The fax and hardcopy is not matching for Metals Sample Q1048-01 due to at the time of fax, sample analyzed without QC set, but at the time of second review lab noticed QC set was not analyzed therefore this sample analyzed with QC set and reported. Hard copy is reported corrected.

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 # Q1048
Test Name: Ammonia,Residual Chlorine

A. Number of Samples and Date of Receipt:
1 Water sample was received on 01/09/2025.

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

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

D. QA/ QC Samples:
The Holding Times were met for all samples except for WATER TREATMENT DISCHARGE of Residual Chlorine, as this sample received out of hold.
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.

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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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 #: Q1048

	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:** 01/20/2025

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Hit Summary Sheet
SW-846

SDG No.: Q1048 **Order ID:** Q1048

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								
Q1048-01	WATER TREATMENT DISCHA	Water	Chromium	236		0.66	5.00	ug/L
Q1048-01	WATER TREATMENT DISCHA	Water	Copper	12.5		7.07	10.0	ug/L
Q1048-01	WATER TREATMENT DISCHA	Water	Nickel	41.2		0.85	20.0	ug/L
Q1048-01	WATER TREATMENT DISCHA	Water	Zinc	1180		1.75	20.0	ug/L

SAMPLE DATA

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Report of Analysis

Client:	VERINA CONSULTING GROUP, LLC	Date Collected:	01/09/25
Project:	Rotor Clip NJ WTD - 2025	Date Received:	01/09/25
Client Sample ID:	WATER TREATMENT DISCHARGE	SDG No.:	Q1048
Lab Sample ID:	Q1048-01	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	236		1	0.66	5.00	ug/L	01/13/25 10:35	01/17/25 14:23	SW6010	SW3010
7440-50-8	Copper	12.5		1	7.07	10.0	ug/L	01/13/25 10:35	01/17/25 14:23	SW6010	SW3010
7440-02-0	Nickel	41.2		1	0.85	20.0	ug/L	01/13/25 10:35	01/17/25 14:23	SW6010	SW3010
7440-66-6	Zinc	1180		1	1.75	20.0	ug/L	01/13/25 10:35	01/17/25 14:23	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.:** Q1048

Contract: VERI01 **Lab Code:** CHEM **Case No.:** Q1048 **SAS No.:** Q1048

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	01/17/2025	11:30	LB134334
	Copper	20.0	+/-20.0	U	20.0	P	01/17/2025	11:30	LB134334
	Nickel	40.0	+/-40.0	U	40.0	P	01/17/2025	11:30	LB134334
	Zinc	40.0	+/-40.0	U	40.0	P	01/17/2025	11:30	LB134334

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

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

Contract: VERI01 **Lab Code:** CHEM **Case No.:** Q1048 **SAS No.:** Q1048

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	01/17/2025	12:00	LB134334
	Copper	20.0	+/-20.0	U	20.0	P	01/17/2025	12:00	LB134334
	Nickel	40.0	+/-40.0	U	40.0	P	01/17/2025	12:00	LB134334
	Zinc	40.0	+/-40.0	U	40.0	P	01/17/2025	12:00	LB134334
CCB02	Chromium	10.0	+/-10.0	U	10.0	P	01/17/2025	12:51	LB134334
	Copper	20.0	+/-20.0	U	20.0	P	01/17/2025	12:51	LB134334
	Nickel	40.0	+/-40.0	U	40.0	P	01/17/2025	12:51	LB134334
	Zinc	40.0	+/-40.0	U	40.0	P	01/17/2025	12:51	LB134334
CCB03	Chromium	10.0	+/-10.0	U	10.0	P	01/17/2025	13:41	LB134334
	Copper	20.0	+/-20.0	U	20.0	P	01/17/2025	13:41	LB134334
	Nickel	40.0	+/-40.0	U	40.0	P	01/17/2025	13:41	LB134334
	Zinc	40.0	+/-40.0	U	40.0	P	01/17/2025	13:41	LB134334
CCB04	Chromium	10.0	+/-10.0	U	10.0	P	01/17/2025	14:31	LB134334
	Copper	20.0	+/-20.0	U	20.0	P	01/17/2025	14:31	LB134334
	Nickel	40.0	+/-40.0	U	40.0	P	01/17/2025	14:31	LB134334
	Zinc	40.0	+/-40.0	U	40.0	P	01/17/2025	14:31	LB134334
CCB05	Chromium	10.0	+/-10.0	U	10.0	P	01/17/2025	15:38	LB134334
	Copper	20.0	+/-20.0	U	20.0	P	01/17/2025	15:38	LB134334
	Nickel	40.0	+/-40.0	U	40.0	P	01/17/2025	15:38	LB134334
	Zinc	40.0	+/-40.0	U	40.0	P	01/17/2025	15:38	LB134334
CCB06	Chromium	10.0	+/-10.0	U	10.0	P	01/17/2025	16:20	LB134334
	Copper	20.0	+/-20.0	U	20.0	P	01/17/2025	16:20	LB134334
	Nickel	40.0	+/-40.0	U	40.0	P	01/17/2025	16:20	LB134334
	Zinc	40.0	+/-40.0	U	40.0	P	01/17/2025	16:20	LB134334
CCB07	Chromium	10.0	+/-10.0	U	10.0	P	01/17/2025	17:16	LB134334
	Copper	20.0	+/-20.0	U	20.0	P	01/17/2025	17:16	LB134334
	Nickel	40.0	+/-40.0	U	40.0	P	01/17/2025	17:16	LB134334
	Zinc	40.0	+/-40.0	U	40.0	P	01/17/2025	17:16	LB134334
CCB08	Chromium	10.0	+/-10.0	U	10.0	P	01/17/2025	17:56	LB134334
	Copper	20.0	+/-20.0	U	20.0	P	01/17/2025	17:56	LB134334
	Nickel	40.0	+/-40.0	U	40.0	P	01/17/2025	17:56	LB134334
	Zinc	40.0	+/-40.0	U	40.0	P	01/17/2025	17:56	LB134334

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Metals
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PREPARATION BLANK SUMMARY

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

Instrument: P4

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB166037BL		**WATER**		**Batch Number:**	**PB166037**		**Prep Date:**	**01/13/2025**	
	Chromium	5.00	<5.00	U	5.00	P	01/17/2025	12:13	LB134334
	Copper	10.0	<10.0	U	10.0	P	01/17/2025	12:13	LB134334
	Nickel	20.0	<20.0	U	20.0	P	01/17/2025	12:13	LB134334
	Zinc	20.0	<20.0	U	20.0	P	01/17/2025	12:13	LB134334

METAL CALIBRATION DATA

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

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

Contract: VERI01 **Lab Code:** CHEM **Case No.:** Q1048 **SAS No.:** Q1048

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	519	520	100	90 - 110	P	01/17/2025	11:21	LB134334
	Copper	517	510	101	90 - 110	P	01/17/2025	11:21	LB134334
	Nickel	508	530	96	90 - 110	P	01/17/2025	11:21	LB134334
	Zinc	999	1000	100	90 - 110	P	01/17/2025	11:21	LB134334

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

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

Contract: VERI01 **Lab Code:** CHEM **Case No.:** Q1048 **SAS No.:** Q1048

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	9.66	10.0	97	80 - 120	P	01/17/2025	11:26	LB134334
	Copper	22.0	20.0	110	80 - 120	P	01/17/2025	11:26	LB134334
	Nickel	39.2	40.0	98	80 - 120	P	01/17/2025	11:26	LB134334
	Zinc	42.2	40.0	106	80 - 120	P	01/17/2025	11:26	LB134334

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

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

Contract: VERI01 **Lab Code:** CHEM **Case No.:** Q1048 **SAS No.:** Q1048

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV01	Chromium	1010	1000	101	90 - 110	P	01/17/2025	11:56	LB134334
	Copper	1250	1250	100	90 - 110	P	01/17/2025	11:56	LB134334
	Nickel	2470	2500	99	90 - 110	P	01/17/2025	11:56	LB134334
	Zinc	2560	2500	102	90 - 110	P	01/17/2025	11:56	LB134334
CCV02	Chromium	987	1000	99	90 - 110	P	01/17/2025	12:47	LB134334
	Copper	1250	1250	100	90 - 110	P	01/17/2025	12:47	LB134334
	Nickel	2440	2500	98	90 - 110	P	01/17/2025	12:47	LB134334
	Zinc	2520	2500	101	90 - 110	P	01/17/2025	12:47	LB134334
CCV03	Chromium	952	1000	95	90 - 110	P	01/17/2025	13:36	LB134334
	Copper	1210	1250	96	90 - 110	P	01/17/2025	13:36	LB134334
	Nickel	2360	2500	94	90 - 110	P	01/17/2025	13:36	LB134334
	Zinc	2440	2500	98	90 - 110	P	01/17/2025	13:36	LB134334
CCV04	Chromium	992	1000	99	90 - 110	P	01/17/2025	14:27	LB134334
	Copper	1240	1250	100	90 - 110	P	01/17/2025	14:27	LB134334
	Nickel	2440	2500	97	90 - 110	P	01/17/2025	14:27	LB134334
	Zinc	2520	2500	101	90 - 110	P	01/17/2025	14:27	LB134334
CCV05	Chromium	966	1000	97	90 - 110	P	01/17/2025	15:34	LB134334
	Copper	1220	1250	98	90 - 110	P	01/17/2025	15:34	LB134334
	Nickel	2390	2500	96	90 - 110	P	01/17/2025	15:34	LB134334
	Zinc	2430	2500	97	90 - 110	P	01/17/2025	15:34	LB134334
CCV06	Chromium	968	1000	97	90 - 110	P	01/17/2025	16:16	LB134334
	Copper	1230	1250	98	90 - 110	P	01/17/2025	16:16	LB134334
	Nickel	2410	2500	96	90 - 110	P	01/17/2025	16:16	LB134334
	Zinc	2460	2500	98	90 - 110	P	01/17/2025	16:16	LB134334
CCV07	Chromium	970	1000	97	90 - 110	P	01/17/2025	17:11	LB134334
	Copper	1220	1250	98	90 - 110	P	01/17/2025	17:11	LB134334
	Nickel	2400	2500	96	90 - 110	P	01/17/2025	17:11	LB134334
	Zinc	2450	2500	98	90 - 110	P	01/17/2025	17:11	LB134334
CCV08	Chromium	988	1000	99	90 - 110	P	01/17/2025	17:52	LB134334
	Copper	1240	1250	99	90 - 110	P	01/17/2025	17:52	LB134334
	Nickel	2420	2500	97	90 - 110	P	01/17/2025	17:52	LB134334
	Zinc	2490	2500	99	90 - 110	P	01/17/2025	17:52	LB134334

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CRDL STANDARD FOR AA & ICP

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

Contract: VERI01 **Lab Code:** CHEM **Case No.:** Q1048 **SAS No.:** Q1048

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	9.43	10.0	94	40 - 160	P	01/17/2025	11:35	LB134334
	Copper	21.4	20.0	107	40 - 160	P	01/17/2025	11:35	LB134334
	Nickel	38.5	40.0	96	40 - 160	P	01/17/2025	11:35	LB134334
	Zinc	41.2	40.0	103	40 - 160	P	01/17/2025	11:35	LB134334

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INTERFERENCE CHECK SAMPLE

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

Contract: VERI01 **Lab Code:** CHEM **Case No.:** Q1048 **SAS No.:** Q1048

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	55.0	52.0	106	42	62	01/17/2025	11:39	LB134334
	Copper	20.6	2.0	1030	-18	22	01/17/2025	11:39	LB134334
	Nickel	2.52	2.0	126	-38	42	01/17/2025	11:39	LB134334
	Zinc	3.10			-40	40	01/17/2025	11:39	LB134334
ICSAB01	Chromium	560	542	103	460	624	01/17/2025	11:43	LB134334
	Copper	496	511	97	434	588	01/17/2025	11:43	LB134334
	Nickel	974	954	102	810	1100	01/17/2025	11:43	LB134334
	Zinc	1050	952	110	809	1095	01/17/2025	11:43	LB134334

METAL QC DATA

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Fax : 908 789 8922

metals
- 5a -
MATRIX SPIKE SUMMARY

client: VERINA CONSULTING GROUP, LLC **level:** low **sdg no.:** Q1048

contract: VERI01 **lab code:** CHEM **case no.:** Q1048 **sas no.:** Q1048

matrix: Water **sample id:** Q1048-01 **client id:** WATER TREATMENT DISCHARGEMS

Percent Solids for Sample: NA **Spiked ID:** Q1048-01MS **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	90 - 113	421		236		200	93		P
Copper	ug/L	86 - 114	148		12.5		150	90		P
Nickel	ug/L	88 - 113	286		41.2		250	98		P
Zinc	ug/L	87 - 115	1230		1180		100	52		P

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metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: VERINA CONSULTING GROUP, LLC **level:** low **sdg no.:** Q1048

contract: VERI01 **lab code:** CHEM **case no.:** Q1048 **sas no.:** Q1048

matrix: Water **sample id:** Q1048-01 **client id:** WATER TREATMENT DISCHARGEMSD

Percent Solids for Sample: NA **Spiked ID:** Q1048-01MSD **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	90 - 113	415		236		200	90		P
Copper	ug/L	86 - 114	146		12.5		150	89		P
Nickel	ug/L	88 - 113	282		41.2		250	96		P
Zinc	ug/L	87 - 115	1220		1180		100	43		P

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Metals
- 5b -

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

Contract: VERI01 **Lab Code:** CHEM **Case No.:** Q1048 **SAS No.:** Q1048

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.:** Q1048

Contract: VERI01 **Lab Code:** CHEM **Case No.:** Q1048 **SAS No.:** Q1048

Matrix: Water **Sample ID:** Q1048-01 **Client ID:** WATER TREATMENT DISCHARGEDUP

Percent Solids for Sample: NA **Duplicate ID** Q1048-01DUP **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Chromium	ug/L	20	236		231		2		P
Copper	ug/L	20	12.5		12.5		0		P
Nickel	ug/L	20	41.2		40.7		1		P
Zinc	ug/L	20	1180		1160		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.:** Q1048

Contract: VERI01 **Lab Code:** CHEM **Case No.:** Q1048 **SAS No.:** Q1048

Matrix: Water **Sample ID:** Q1048-01MS **Client ID:** WATER TREATMENT DISCHARGEMSD

Percent Solids for Sample: NA **Duplicate ID** Q1048-01MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Chromium	ug/L	20	421		415		1		P
Copper	ug/L	20	148		146		1		P
Nickel	ug/L	20	286		282		1		P
Zinc	ug/L	20	1230		1220		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.:** Q1048

Contract: VERI01 **Lab Code:** CHEM **Case No.:** Q1048 **SAS No.:** Q1048

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB166037BS							
Chromium	ug/L	200	199		100	90 - 113	P
Copper	ug/L	150	150		100	86 - 114	P
Nickel	ug/L	250	239		96	88 - 113	P
Zinc	ug/L	100	102		102	87 - 115	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.:** lb134334 **Lab Sample ID :** Q1048-01L **SDG No.:** Q1048

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	236		236		0		P
Copper	12.5		50.0	U	100.0		P
Nickel	41.2		42.0	J	2		P
Zinc	1180		1140		3		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.:** Q1048 **Sas no.:** Q1048 **Sdg no.:** Q1048

Instrument id number: **Method:** **Run number:** LB134334

Start date: 01/17/2025 **End date:** 01/17/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1051	Cr,Cu,Ni,Zn
S1	S1	1	1055	Cr,Cu,Ni,Zn
S2	S2	1	1059	Cr,Cu,Ni,Zn
S3	S3	1	1104	Cr,Cu,Ni,Zn
S4	S4	1	1108	Cr,Cu,Ni,Zn
S5	S5	1	1112	Cr,Cu,Ni,Zn
ICV01	ICV01	1	1121	Cr,Cu,Ni,Zn
LLICV01	LLICV01	1	1126	Cr,Cu,Ni,Zn
ICB01	ICB01	1	1130	Cr,Cu,Ni,Zn
CRI01	CRI01	1	1135	Cr,Cu,Ni,Zn
ICSA01	ICSA01	1	1139	Cr,Cu,Ni,Zn
ICSAB01	ICSAB01	1	1143	Cr,Cu,Ni,Zn
CCV01	CCV01	1	1156	Cr,Cu,Ni,Zn
CCB01	CCB01	1	1200	Cr,Cu,Ni,Zn
PB166037BL	PB166037BL	1	1213	Cr,Cu,Ni,Zn
PB166037BS	PB166037BS	1	1217	Cr,Cu,Ni,Zn
CCV02	CCV02	1	1247	Cr,Cu,Ni,Zn
CCB02	CCB02	1	1251	Cr,Cu,Ni,Zn
CCV03	CCV03	1	1336	Cr,Cu,Ni,Zn
CCB03	CCB03	1	1341	Cr,Cu,Ni,Zn
Q1048-01	WATER TREATMENT DISCHA	1	1423	Cr,Cu,Ni,Zn
CCV04	CCV04	1	1427	Cr,Cu,Ni,Zn
CCB04	CCB04	1	1431	Cr,Cu,Ni,Zn
Q1048-01DUP	WATER TREATMENT DISCHA	1	1436	Cr,Cu,Ni,Zn
Q1048-01L	WATER TREATMENT DISCHA	5	1440	Cr,Cu,Ni,Zn
Q1048-01MSD	WATER TREATMENT DISCHA	1	1458	Cr,Cu,Ni,Zn
Q1048-01MS	WATER TREATMENT DISCHA	1	1504	Cr,Cu,Ni,Zn
CCV05	CCV05	1	1534	Cr,Cu,Ni,Zn
CCB05	CCB05	1	1538	Cr,Cu,Ni,Zn
CCV06	CCV06	1	1616	Cr,Cu,Ni,Zn
CCB06	CCB06	1	1620	Cr,Cu,Ni,Zn
CCV07	CCV07	1	1711	Cr,Cu,Ni,Zn
CCB07	CCB07	1	1716	Cr,Cu,Ni,Zn
CCV08	CCV08	1	1752	Cr,Cu,Ni,Zn
CCB08	CCB08	1	1756	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.:** Q1048

Contract: VERI01 **Lab Code:** CHEM **Case No.:** Q1048 **SAS No.:** Q1048

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: Al	Ca	Fe	Mg	Ag
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	0.0000000	0.0007850	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0000000	0.0001050	0.0000000	0.0000000

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Metals
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ICP INTERELEMENT CORRECTION FACTORS

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

Contract: VERI01 **Lab Code:** CHEM **Case No.:** Q1048 **SAS No.:** Q1048

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.:** Q1048

Contract: VERI01 **Lab Code:** CHEM **Case No.:** Q1048 **SAS No.:** Q1048

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.:** Q1048

Contract: VERI01 **Lab Code:** CHEM **Case No.:** Q1048 **SAS No.:** Q1048

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.:** Q1048

Contract: VERI01 **Lab Code:** CHEM **Case No.:** Q1048 **SAS No.:** Q1048

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

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1048-01	**WATER TREATMENT DISCHARGE**	**Water**			**01/09/25**			**01/09/25**
			Metals Group4	6010D		01/13/25	01/17/25	

METAL PREPARATION & ANALYICAL SUMMARY

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Metals
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SAMPLE PREPARATION SUMMARY

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

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

Case No.: Q1048 **SAS No.:** Q1048

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(mL)	Final Sample Volume (mL)	Percent Solids
Batch Number:	**PB166037**						
PB166037BL	PB166037BL	MB	WATER	01/13/2025	50.0	25.0	
PB166037BS	PB166037BS	LCS	WATER	01/13/2025	50.0	25.0	
Q1048-01	WATER TREATMENT DISCHARGE	SAM	WATER	01/13/2025	50.0	25.0	
Q1048-01DUP	WATER TREATMENT DISCHARGEDUP	DUP	WATER	01/13/2025	50.0	25.0	
Q1048-01MS	WATER TREATMENT DISCHARGEMS	MS	WATER	01/13/2025	50.0	25.0	
Q1048-01MSD	WATER TREATMENT DISCHARGEMSD	MSD	WATER	01/13/2025	50.0	25.0	

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB134334

Review By	kareem	Review On	1/20/2025 4:25:29 PM
Supervise By	jaswal	Supervise On	1/20/2025 10:09:42 PM

STD. NAME	STD REF.#
ICAL Standard	MP83935,MP83936,MP83937,MP83938,MP83939,MP83941
ICV Standard	MP83942
CCV Standard	MP83945
ICSA Standard	MP83943,MP83944
CRI Standard	MP83941
LCS Standard	
Chk Standard	MP83948,MP83949

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	01/17/25 10:51		Kareem	OK
2	S1	S1	CAL2	01/17/25 10:55		Kareem	OK
3	S2	S2	CAL3	01/17/25 10:59		Kareem	OK
4	S3	S3	CAL4	01/17/25 11:04		Kareem	OK
5	S4	S4	CAL5	01/17/25 11:08		Kareem	OK
6	S5	S5	CAL6	01/17/25 11:12		Kareem	OK
7	ICV01	ICV01	ICV	01/17/25 11:21	ICV01 Fail for Al,Ba,Be,Ca,MgMn,V	Kareem	OK
8	LLICV01	LLICV01	LLICV	01/17/25 11:26		Kareem	OK
9	ICB01	ICB01	ICB	01/17/25 11:30		Kareem	OK
10	CRI01	CRI01	CRDL	01/17/25 11:35		Kareem	OK
11	ICSA01	ICSA01	ICSA	01/17/25 11:39		Kareem	OK
12	ICSAB01	ICSAB01	ICSAB	01/17/25 11:43		Kareem	OK
13	ICSADL	ICSADL	ICSA	01/17/25 11:47		Kareem	OK
14	ICSABDL	ICSABDL	ICSAB	01/17/25 11:52		Kareem	OK
15	CCV01	CCV01	CCV	01/17/25 11:56		Kareem	OK
16	CCB01	CCB01	CCB	01/17/25 12:00		Kareem	OK
17	PB166054BL	PB166054BL	MB	01/17/25 12:05		Kareem	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB134334

Review By	kareem	Review On	1/20/2025 4:25:29 PM
Supervise By	jaswal	Supervise On	1/20/2025 10:09:42 PM

STD. NAME	STD REF.#
ICAL Standard	MP83935,MP83936,MP83937,MP83938,MP83939,MP83941
ICV Standard	MP83942
CCV Standard	MP83945
ICSA Standard	MP83943,MP83944
CRI Standard	MP83941
LCS Standard	
Chk Standard	MP83948,MP83949

18	PB166054BS	PB166054BS	LCS	01/17/25 12:09	0.1 ML OF M6010 AND M6001 WERE ADDED TO 10ML OF THE SAMPLE	Kareem	OK
19	PB166037BL	PB166037BL	MB	01/17/25 12:13		Kareem	OK
20	PB166037BS	PB166037BS	LCS	01/17/25 12:17	0.1 ML OF M6010 AND M6001 WERE ADDED TO 10ML OF THE SAMPLE	Kareem	OK
21	PB166047BL	PB166047BL	MB	01/17/25 12:21		Kareem	OK
22	PB166047BS	PB166047BS	LCS	01/17/25 12:26	0.1 ML OF M6010 AND M6001 WERE ADDED TO 10ML OF THE SAMPLE	Kareem	OK
23	PB166025TB	PB166025TB	MB	01/17/25 12:30		Kareem	OK
24	PB166049BL	PB166049BL	MB	01/17/25 12:34		Kareem	OK
25	PB166049BS	PB166049BS	LCS	01/17/25 12:38	0.1 ML OF M6010 AND M6001 WERE ADDED TO 10ML OF THE SAMPLE	Kareem	OK
26	PB166026TB	PB166026TB	MB	01/17/25 12:42		Kareem	OK
27	CCV02	CCV02	CCV	01/17/25 12:47		Kareem	OK
28	CCB02	CCB02	CCB	01/17/25 12:51		Kareem	OK
29	PB166069BL	PB166069BL	MB	01/17/25 12:55		Kareem	OK
30	PB166069BS	PB166069BS	LCS	01/17/25 13:00	0.1 ML OF M6010 AND M6001 WERE ADDED TO 10ML OF THE SAMPLE	Kareem	OK
31	PB166084BL	PB166084BL	MB	01/17/25 13:04		Kareem	OK
32	PB166084BS	PB166084BS	LCS	01/17/25 13:08	0.1 ML OF M6010 AND M6001 WERE ADDED TO 10ML OF THE SAMPLE	Kareem	OK

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Fax : 908 789 8922

Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB134334

Review By	kareem	Review On	1/20/2025 4:25:29 PM
Supervise By	jaswal	Supervise On	1/20/2025 10:09:42 PM

STD. NAME	STD REF.#
ICAL Standard	MP83935,MP83936,MP83937,MP83938,MP83939,MP83941
ICV Standard	MP83942
CCV Standard	MP83945
ICSA Standard	MP83943,MP83944
CRI Standard	MP83941
LCS Standard	
Chk Standard	MP83948,MP83949

33	Q1068-01	TR-06-1-10-2025	SAM	01/17/25 13:12		Kareem	OK
34	Q1068-01DUP	TR-06-1-10-2025DUP	DUP	01/17/25 13:16		Kareem	OK
35	Q1068-01L	TR-06-1-10-2025L	SD	01/17/25 13:20		Kareem	OK
36	Q1068-01MS	TR-06-1-10-2025MS	MS	01/17/25 13:25	0.1 ML OF M6010 AND M6001 WERE ADDED TO 10ML OF THE SAMPLE	Kareem	OK
37	Q1068-01MSD	TR-06-1-10-2025MSD	MSD	01/17/25 13:28	0.1 ML OF M6010 AND M6001 WERE ADDED TO 10ML OF THE SAMPLE	Kareem	OK
38	Q1068-01A	TR-06-1-10-2025A	PS	01/17/25 13:32	0.1 ML OF M6010 AND M6001 WERE ADDED TO 10ML OF THE SAMPLE	Kareem	OK
39	CCV03	CCV03	CCV	01/17/25 13:36		Kareem	OK
40	CCB03	CCB03	CCB	01/17/25 13:41		Kareem	OK
41	Q1036-02	NP-WS-002	SAM	01/17/25 13:45		Kareem	OK
42	Q1036-02DUP	NP-WS-002DUP	DUP	01/17/25 13:49		Kareem	OK
43	Q1036-02L	NP-WS-002L	SD	01/17/25 13:53		Kareem	OK
44	Q1036-02MS	NP-WS-002MS	MS	01/17/25 13:58	0.1 ML OF M6010 AND M6001 WERE ADDED TO 10ML OF THE SAMPLE	Kareem	OK
45	Q1036-02MSD	NP-WS-002MSD	MSD	01/17/25 14:02	0.1 ML OF M6010 AND M6001 WERE ADDED TO 10ML OF THE SAMPLE	Kareem	OK
46	Q1036-02A	NP-WS-002A	PS	01/17/25 14:06	0.1 ML OF M6010 AND M6001 WERE ADDED TO 10ML OF THE SAMPLE	Kareem	OK
47	Q1069-02	RW7B-CARBON-2025	SAM	01/17/25 14:10		Kareem	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB134334

Review By	kareem	Review On	1/20/2025 4:25:29 PM
Supervise By	jaswal	Supervise On	1/20/2025 10:09:42 PM

STD. NAME	STD REF.#
ICAL Standard	MP83935,MP83936,MP83937,MP83938,MP83939,MP83941
ICV Standard	MP83942
CCV Standard	MP83945
ICSA Standard	MP83943,MP83944
CRI Standard	MP83941
LCS Standard	
Chk Standard	MP83948,MP83949

48	Q1040-01	RW5-SP100-2025010	SAM	01/17/25 14:14		Kareem	OK
49	Q1040-03	RW5-SP303-2025010	SAM	01/17/25 14:18		Kareem	OK
50	Q1048-01	WATER TREATMENT	SAM	01/17/25 14:23	Na high	Kareem	Dilution
51	CCV04	CCV04	CCV	01/17/25 14:27		Kareem	OK
52	CCB04	CCB04	CCB	01/17/25 14:31		Kareem	OK
53	Q1048-01DUP	WATER TREATMENT	DUP	01/17/25 14:36	Na high	Kareem	Dilution
54	Q1048-01L	WATER TREATMENT	SD	01/17/25 14:40		Kareem	OK
55	Q1048-01MSD	WATER TREATMENT	MSD	01/17/25 14:58	Na high	Kareem	Dilution
56	Q1048-01MS	WATER TREATMENT	MS	01/17/25 15:04	Na high	Kareem	Dilution
57	Q1048-01A	WATER TREATMENT	PS	01/17/25 15:08	0.1 ML OF M6010 AND M6001 WERE ADDED TO 10ML OF THE SAMPLE	Kareem	OK
58	Q1081-04	RW7-SP303-2025011	SAM	01/17/25 15:12		Kareem	OK
59	Q1081-04DUP	RW7-SP303-2025011	DUP	01/17/25 15:17		Kareem	OK
60	Q1081-04L	RW7-SP303-2025011	SD	01/17/25 15:21		Kareem	OK
61	Q1048-01ADL	WATER TREATMENT	PS	01/17/25 15:25	NOT REQUIRED	Kareem	Not Ok
62	Q1048-01MSDL	WATER TREATMENT	MS	01/17/25 15:30	2x For Na	Kareem	Confirms
63	CCV05	CCV05	CCV	01/17/25 15:34		Kareem	OK
64	CCB05	CCB05	CCB	01/17/25 15:38		Kareem	OK
65	Q1048-01MSDDL	WATER TREATMENT	MSD	01/17/25 15:42	2x For Na	Kareem	Confirms
66	Q1048-01DL	WATER TREATMENT	SAM	01/17/25 15:47	2x For Na	Kareem	Confirms

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Fax : 908 789 8922

Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB134334

Review By	kareem	Review On	1/20/2025 4:25:29 PM
Supervise By	jaswal	Supervise On	1/20/2025 10:09:42 PM

STD. NAME	STD REF.#
ICAL Standard	MP83935,MP83936,MP83937,MP83938,MP83939,MP83941
ICV Standard	MP83942
CCV Standard	MP83945
ICSA Standard	MP83943,MP83944
CRI Standard	MP83941
LCS Standard	
Chk Standard	MP83948,MP83949

67	Q1048-01DUPDL	WATER TREATMENT	DUP	01/17/25 15:51	2x For Na	Kareem	Confirms
68	Q1048-01LDL	WATER TREATMENT	SD	01/17/25 15:55	NOT REQUIRED	Kareem	Not Ok
69	Q1081-04MS	RW7-SP303-2025011	MS	01/17/25 16:00	0.1 ML OF M6010 AND M6001 WERE ADDED TO 10ML OF THE SAMPLE	Kareem	OK
70	Q1081-04MSD	RW7-SP303-2025011	MSD	01/17/25 16:04	0.1 ML OF M6010 AND M6001 WERE ADDED TO 10ML OF THE SAMPLE	Kareem	OK
71	Q1081-04A	RW7-SP303-2025011	PS	01/17/25 16:08	0.1 ML OF M6010 AND M6001 WERE ADDED TO 10ML OF THE SAMPLE	Kareem	OK
72	Q1093-01	RT-3407	SAM	01/17/25 16:12		Kareem	OK
73	CCV06	CCV06	CCV	01/17/25 16:16		Kareem	OK
74	CCB06	CCB06	CCB	01/17/25 16:20		Kareem	OK
75	Q1093-01DUP	RT-3407DUP	DUP	01/17/25 16:24		Kareem	OK
76	Q1093-01L	RT-3407L	SD	01/17/25 16:28		Kareem	OK
77	Q1093-01MS	RT-3407MS	MS	01/17/25 16:32	0.1 ML OF M6010 AND M6001 WERE ADDED TO 10ML OF THE SAMPLE	Kareem	OK
78	Q1093-01MSD	RT-3407MSD	MSD	01/17/25 16:36	0.1 ML OF M6010 AND M6001 WERE ADDED TO 10ML OF THE SAMPLE	Kareem	OK
79	Q1093-01A	RT-3407A	PS	01/17/25 16:40	0.1 ML OF M6010 AND M6001 WERE ADDED TO 10ML OF THE SAMPLE	Kareem	OK
80	Q1094-01	72-11938	SAM	01/17/25 16:44		Kareem	OK
81	Q1098-01	OILY-STONE-COMP	SAM	01/17/25 16:49		Kareem	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB134334

Review By	kareem	Review On	1/20/2025 4:25:29 PM
Supervise By	jaswal	Supervise On	1/20/2025 10:09:42 PM

STD. NAME	STD REF.#
ICAL Standard	MP83935,MP83936,MP83937,MP83938,MP83939,MP83941
ICV Standard	MP83942
CCV Standard	MP83945
ICSA Standard	MP83943,MP83944
CRI Standard	MP83941
LCS Standard	
Chk Standard	MP83948,MP83949

82	Q1099-01	OR-02-01152025	SAM	01/17/25 16:53		Kareem	OK
83	Q1097-01	402	SAM	01/17/25 16:57		Kareem	OK
84	Q1097-01DUP	402DUP	DUP	01/17/25 17:01		Kareem	OK
85	CCV07	CCV07	CCV	01/17/25 17:11		Kareem	OK
86	CCB07	CCB07	CCB	01/17/25 17:16		Kareem	OK
87	Q1097-01L	402L	SD	01/17/25 17:22		Kareem	OK
88	Q1097-01MS	402MS	MS	01/17/25 17:26	0.1 ML OF M6010 AND M6001 WERE ADDED TO 10ML OF THE SAMPLE	Kareem	OK
89	Q1097-01MSD	402MSD	MSD	01/17/25 17:30	0.1 ML OF M6010 AND M6001 WERE ADDED TO 10ML OF THE SAMPLE	Kareem	OK
90	Q1097-01A	402A	PS	01/17/25 17:34	0.1 ML OF M6010 AND M6001 WERE ADDED TO 10ML OF THE SAMPLE	Kareem	OK
91	LR1	LR1	HIGH STD	01/17/25 17:37		Kareem	OK
92	LR2	LR2	HIGH STD	01/17/25 17:42		Kareem	OK
93	CCV08	CCV08	CCV	01/17/25 17:52		Kareem	OK
94	CCB08	CCB08	CCB	01/17/25 17:56		Kareem	OK

Alliance TECHNICAL GROUP

Water Metals Preparation Sheet

PB166037

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 BLOC K #1 2. N/A

Start Digest Date: 01/13/2025 **Time :** 10:35 **Temp :** 96 °C

End Digest Date: 01/13/2025 **Time :** 13:40 **Temp :** 96 °C

Digestion tube ID: M5595

Block thermometer ID: MET-DIG. # 1

Dig Technician Signature: SLD.

Supervisor Signature:

Temp : 1. 96°C 2. N/A

Standared Name	MLS USED	STD REF. # FROM LOG
LFS-1	0.25	M6000
LFS-2	0.25	M6009
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	MP83498
1:1 HCL	5.00	M6126
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 Temp: 96 C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
01/13/25 14:40	SLD. met digestion	
	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

Water Metals Preparation Sheet

PB166037

Lab Sample ID	Client Sample ID	pH	Initial Vol (ml)	Final Vol (ml)	Color Before	Color After	Clarity Before	Clarity After	Comment	Prep Pos
PB166037BL	PBW037	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	1
PB166037BS	LCS037	<2	50	25	Colorless	Colorless	Clear	Clear	M6000,M6009	2
Q1040-01	RW5-SP100-20250108	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	3
Q1040-03	RW5-SP303-20250108	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	4
Q1048-01	WATER TREATMENT DISCHARGE	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	5
Q1048-01DUP	WATER TREATMENT DISCHARGEDUP	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	6
Q1048-01MS	WATER TREATMENT DISCHARGEMS	<2	50	25	Colorless	Colorless	Clear	Clear	M6000,M6009	7
Q1048-01MSD	WATER TREATMENT DISCHARGEMSD	<2	50	25	Colorless	Colorless	Clear	Clear	M6000,M6009	8
Q1049-01	FRAC-TANK-257952	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	9

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

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

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

QC RESULT SUMMARY

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Initial and Continuing Calibration Verification

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

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

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Initial and Continuing Calibration Verification

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

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

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Initial and Continuing Calibration Blank Summary

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

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

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

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Initial and Continuing Calibration Blank Summary

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

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

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Preparation Blank Summary

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

Project: Rotor Clip - PO# 5183.0001

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

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Matrix Spike Summary

Client: VERINA CONSULTING GROUP, LLC
SDG No.: Q1048
Project: Rotor Clip - PO# 5183.0001
Sample ID: Q1033-01
Client ID: 28612MS
Percent Solids for Spike Sample: 0

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Ammonia as N	mg/L	75-125	1.90		0.93		1	1	97		01/10/2025

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Matrix Spike Summary

Client: VERINA CONSULTING GROUP, LLC
SDG No.: Q1048
Project: Rotor Clip - PO# 5183.0001
Sample ID: Q1033-01
Client ID: 28612MSD
Percent Solids for Spike Sample: 0

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Ammonia as N	mg/L	75-125	1.90		0.93		1	1	97		01/10/2025

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Matrix Spike Summary

Client: VERINA CONSULTING GROUP, LLC
SDG No.: Q1048
Project: Rotor Clip - PO# 5183.0001
Sample ID: Q1048-01
Client ID: WATER TREATMENT DISCHARGEMS
Percent Solids for Spike Sample: 0

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Residual Chlorine	mg/L	71-148	0.40		0.022	J	0.4	1	95		01/09/2025

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Matrix Spike Summary

Client: VERINA CONSULTING GROUP, LLC
SDG No.: Q1048
Project: Rotor Clip - PO# 5183.0001
Sample ID: Q1048-01
Client ID: WATER TREATMENT DISCHARGEMSD
Percent Solids for Spike Sample: 0

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Residual Chlorine	mg/L	71-148	0.41		0.022	J	0.4	1	98		01/09/2025

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Duplicate Sample Summary

Client: VERINA CONSULTING GROUP, LLC
SDG No.: Q1048
Project: Rotor Clip - PO# 5183.0001
Sample ID: Q1033-01
Client ID: 28612DUP
Percent Solids for Spike Sample: 0

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
Ammonia as N	mg/L	+/-20	0.93		0.94		1	1		01/10/2025

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Duplicate Sample Summary

Client: VERINA CONSULTING GROUP, LLC
SDG No.: Q1048
Project: Rotor Clip - PO# 5183.0001
Sample ID: Q1033-01
Client ID: 28612MSD
Percent Solids for Spike Sample: 0

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
Ammonia as N	mg/L	+/-20	1.90		1.90		1	0		01/10/2025

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Duplicate Sample Summary

Client: VERINA CONSULTING GROUP, LLC
SDG No.: Q1048
Project: Rotor Clip - PO# 5183.0001
Sample ID: Q1048-01
Client ID: WATER TREATMENT DISCHARGEDUP
Percent Solids for Spike Sample: 0

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
Residual Chlorine	mg/L	+/-20	0.022	J	0.022	J	1	0		01/09/2025

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Duplicate Sample Summary

Client: VERINA CONSULTING GROUP, LLC
SDG No.: Q1048
Project: Rotor Clip - PO# 5183.0001
Sample ID: Q1048-01
Client ID: WATER TREATMENT DISCHARGEMSD
Percent Solids for Spike Sample: 0

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
Residual Chlorine	mg/L	+/-20	0.40		0.41		1	2.45		01/09/2025

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Laboratory Control Sample Summary

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

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

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Laboratory Control Sample Summary

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

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

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Instrument ID: SPECTROPHOTOMETER-1

Daily Analysis Runlog For Sequence/QCBatch ID # LB134218

Review By	Niha	Review On	1/9/2025 3:27:37 PM
Supervise By	Iwona	Supervise On	1/9/2025 3:39:20 PM
SubDirectory	LB134218	Test	Residual Chlorine

STD. NAME	STD REF.#
ICAL Standard	N/A
ICV Standard	N/A
CCV Standard	N/A
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	N/A
Chk Standard	WP111334,WP111329,WP111330,WP111331,WP111328,WP111332,WP111333,W3147

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

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Instrument ID: KONELAB

Daily Analysis Runlog For Sequence/QCBatch ID # LB134227

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

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

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

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Instrument ID: KONELAB

Daily Analysis Runlog For Sequence/QCBatch ID # LB134227

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

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

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

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

LAB CHRONICLE

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

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

Alliance TECHNICAL GROUP

Water Ammonia Preparation Sheet

PB165991

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

SDG No : N/A

Matrix : WATER

Pippete ID : WC

Balance ID : N/A

Hood ID : HOOD#2

Block ID : WC-DIST-BLOCK-1

Weigh By : N/A

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

End Digest Date: 01/10/2025 **Time :** 10:15 **Temp :** 158 °C

Digestion tube ID : M5595

Filter paper ID : N/A

pH Meter ID : N/A

Block Thermometer ID : WC CYANIDE

Prep Technician Signature: RM

Supervisor Signature: IZ

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

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

Extraction Conformance/Non-Conformance Comments:

ALL GLASSWEAR ARE STEAMED OUT AND THERE WERE NO TRACE OF AMMONIA USING NESLER REAGENT WP108814,

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

Alliance TECHNICAL GROUP

Water Ammonia Preparation Sheet

PB165991

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

SHIPPING DOCUMENTS

CHEMTECH
CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 • Fax (908) 789-8922
www.chemtech.net

CHEMTECH PROJECT NO. Q1048
QUOTE NO.
COC Number 2041652

7
7.1

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: Verina Consulting Group
ADDRESS: 1011 US Highway 22, Suite 302
CITY Bridgewater STATE: NJ ZIP: 08807
ATTENTION: Michael Valenzi
PHONE: 908-864-4400 FAX: 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 DAYS

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	2	3	4	5	6	7	8	9
Cr, Cu, Ni, Zn	Chlorine Demand	Ammonia						

CHEMTECH 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		1/9/25	10:17	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:	DATE/TIME:
1.	1200 1-9-25	1.	1200 1-9-25
2.		2.	
3.	1225 1-9-25	3.	

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 3.1 °C
Comments: Flow Rate = 59
pH = 9.4
Temperature = 75.4

Page 1 of 1

CLIENT: ☐ Hand Delivered ☐ Other
CHEMTECH: ☐ Picked Up ☐ Field Sampling

Shipment Complete ☐ YES ☐ NO

WHITE - CHEMTECH COPY FOR RETURN TO CLIENT YELLOW - CHEMTECH 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