

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 : Q3268

ATTENTION : Michael Valenzi



Laboratory Certification ID # 20012



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DATA OF KNOWN QUALITY CONFORMANCE/NON-CONFORMANCE SUMMARY QUESTIONNAIRE

1

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

Project Location : NJ Project Number : 5183.0001

Laboratory Sample ID(s) : Q3268 Sampling Date(s) : 10/02/2025

List DKQP Methods Used (e.g., 8260,8270, et Cetra) **6010D,SM4500 CI 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."

Cover Page

Order ID : Q3268

Project ID : Rotor Clip NJ WTD - 2025

Client : VERINA CONSULTING GROUP, LLC

Lab Sample Number

Q3268-01

Client Sample Number

WATER-TREATMENT-DISCHARGE

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

Signature :

APPROVED

By Nimisha Pandya, QA/QC Supervisor at 3:09 pm, Oct 13, 2025

Date: 10/10/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

CASE NARRATIVE

VERINA CONSULTING GROUP, LLC

Project Name: Rotor Clip NJ WTD - 2025

Project # N/A

Order ID # Q3268

Test Name: Metals Group4,Ammonia,Residual Chlorine

A. Number of Samples and Date of Receipt:

1 Water sample was received on 10/02/2025.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: Metals Group4,Ammonia,Residual Chlorine. This data package contains results for Metals Group4(6010D),Ammonia(SM4500-NH3),Residual Chlorine(SM4500 Cl G).

C. Analytical Techniques:

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

Wetchem : 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 analysis except following Wetchem : WATER-TREATMENT-DISCHARGE of Residual Chlorine as sample was receive out of holing time.

The MS recoveries met the requirements for all compounds.

The MSD recoveries met the acceptable requirements.

The RPD recoveries met criteria.

The Blank Spike met requirements for all compounds.

The Blank analysis did not indicate the presence of lab contamination.

The Initial Calibration met the requirements.

The Continuous Calibration met the requirements.

The Duplicate analysis met criteria for all samples.

The Serial Dilution met the acceptable requirements.

E. Additional Comments:



284 Sheffield Street, Mountainside, NJ 7092, Phone: 908 789 8900, Fax: 908 789 8922

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.

APPROVED

By Nimisha Pandya, QA/QC Supervisor at 3:20 pm, Oct 13, 2025

Signature_____

DATA REPORTING QUALIFIERS- INORGANIC

For reporting results, the following “ Results Qualifiers” are used:

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

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q3268

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 Custody

✓

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: 10/10/2025



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Hit Summary Sheet
SW-846

SDG No.: Q3268 **Order ID:** Q3268
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								
Q3268-01	WATER-TREATMENT-DISCH	Water	Chromium	114		1.06	5.00	ug/L
Q3268-01	WATER-TREATMENT-DISCH	Water	Copper	28.4		2.30	10.0	ug/L
Q3268-01	WATER-TREATMENT-DISCH	Water	Nickel	21.4		1.53	20.0	ug/L
Q3268-01	WATER-TREATMENT-DISCH	Water	Zinc	3310		8.33	20.0	ug/L



SAMPLE DATA

Report of Analysis

Client:	VERINA CONSULTING GROUP, LLC	Date Collected:	10/02/25
Project:	Rotor Clip NJ WTD - 2025	Date Received:	10/02/25
Client Sample ID:	WATER-TREATMENT-DISCHARGE	SDG No.:	Q3268
Lab Sample ID:	Q3268-01	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	114		1	1.06	5.00	ug/L	10/03/25 10:20	10/08/25 14:43	6010D	SW3010
7440-50-8	Copper	28.4		1	2.30	10.0	ug/L	10/03/25 10:20	10/08/25 14:43	6010D	SW3010
7440-02-0	Nickel	21.4		1	1.53	20.0	ug/L	10/03/25 10:20	10/08/25 14:43	6010D	SW3010
7440-66-6	Zinc	3310		1	8.33	20.0	ug/L	10/03/25 10:20	10/08/25 14:43	6010D	SW3010

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

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

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



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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: VERINA CONSULTING GROUP, LLC

SDG No.: Q3268

Contract: VERI01

Lab Code: ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Chromium	2.12	+/-5	U	10.0	P	10/08/2025	12:36	LB137466
	Copper	4.60	+/-10	U	20.0	P	10/08/2025	12:36	LB137466
	Nickel	3.06	+/-20	U	40.0	P	10/08/2025	12:36	LB137466
	Zinc	16.7	+/-20	U	40.0	P	10/08/2025	12:36	LB137466

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: VERINA CONSULTING GROUP, LLC

SDG No.: Q3268

Contract: VERI01

Lab Code: ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Chromium	2.12	+/-5	U	10.0	P	10/08/2025	13:16	LB137466
	Copper	4.60	+/-10	U	20.0	P	10/08/2025	13:16	LB137466
	Nickel	3.06	+/-20	U	40.0	P	10/08/2025	13:16	LB137466
	Zinc	16.7	+/-20	U	40.0	P	10/08/2025	13:16	LB137466
CCB02	Chromium	2.12	+/-5	U	10.0	P	10/08/2025	14:18	LB137466
	Copper	4.60	+/-10	U	20.0	P	10/08/2025	14:18	LB137466
	Nickel	3.06	+/-20	U	40.0	P	10/08/2025	14:18	LB137466
	Zinc	16.7	+/-20	U	40.0	P	10/08/2025	14:18	LB137466
CCB03	Chromium	2.12	+/-5	U	10.0	P	10/08/2025	15:13	LB137466
	Copper	4.60	+/-10	U	20.0	P	10/08/2025	15:13	LB137466
	Nickel	3.06	+/-20	U	40.0	P	10/08/2025	15:13	LB137466
	Zinc	16.7	+/-20	U	40.0	P	10/08/2025	15:13	LB137466
CCB04	Chromium	2.12	+/-5	U	10.0	P	10/08/2025	16:15	LB137466
	Copper	4.60	+/-10	U	20.0	P	10/08/2025	16:15	LB137466
	Nickel	3.06	+/-20	U	40.0	P	10/08/2025	16:15	LB137466
	Zinc	16.7	+/-20	U	40.0	P	10/08/2025	16:15	LB137466
CCB05	Chromium	2.12	+/-5	U	10.0	P	10/08/2025	17:06	LB137466
	Copper	4.60	+/-10	U	20.0	P	10/08/2025	17:06	LB137466
	Nickel	3.06	+/-20	U	40.0	P	10/08/2025	17:06	LB137466
	Zinc	16.7	+/-20	U	40.0	P	10/08/2025	17:06	LB137466
CCB06	Chromium	2.12	+/-5	U	10.0	P	10/08/2025	17:57	LB137466
	Copper	4.60	+/-10	U	20.0	P	10/08/2025	17:57	LB137466
	Nickel	3.06	+/-20	U	40.0	P	10/08/2025	17:57	LB137466
	Zinc	16.7	+/-20	U	40.0	P	10/08/2025	17:57	LB137466

Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: VERINA CONSULTING GROUP, LLC

SDG No.: Q3268

Instrument: P4

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB169978BL		WATER		Batch Number:	PB169978		Prep Date:	10/03/2025	
	Chromium	1.06	<2.5	U	5.00	P	10/08/2025	15:30	LB137466
	Copper	2.30	<5	U	10.0	P	10/08/2025	15:30	LB137466
	Nickel	1.53	<10	U	20.0	P	10/08/2025	15:30	LB137466
	Zinc	8.33	<10	U	20.0	P	10/08/2025	15:30	LB137466

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METAL CALIBRATION DATA

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: VERINA CONSULTING GROUP, LLC

Contract: VERI01

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

SDG No.: Q3268

Lab Code: ACE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV01	Chromium	793	800	99	90 - 110	P	10/08/2025	12:24	LB137466
	Copper	999	1000	100	90 - 110	P	10/08/2025	12:24	LB137466
	Nickel	1950	2000	98	90 - 110	P	10/08/2025	12:24	LB137466
	Zinc	1990	2000	99	90 - 110	P	10/08/2025	12:24	LB137466

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: VERINA CONSULTING GROUP, LLC
Contract: VERI01
Initial Calibration Source: EPA
Continuing Calibration Source: Inorganic Ventures

SDG No.: Q3268
Lab Code: ACE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
LLICV01	Chromium	9.92	10.0	99	80 - 120	P	10/08/2025	12:32	LB137466
	Copper	21.7	20.0	108	80 - 120	P	10/08/2025	12:32	LB137466
	Nickel	39.6	40.0	99	80 - 120	P	10/08/2025	12:32	LB137466
	Zinc	42.7	40.0	107	80 - 120	P	10/08/2025	12:32	LB137466

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: VERINA CONSULTING GROUP, LLC

SDG No.: Q3268

Contract: VERI01

Lab Code: ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV01	Chromium	989	1000	99	90 - 110	P	10/08/2025	13:12	LB137466
	Copper	1240	1250	100	90 - 110	P	10/08/2025	13:12	LB137466
	Nickel	2470	2500	99	90 - 110	P	10/08/2025	13:12	LB137466
	Zinc	2480	2500	99	90 - 110	P	10/08/2025	13:12	LB137466
CCV02	Chromium	951	1000	95	90 - 110	P	10/08/2025	14:14	LB137466
	Copper	1190	1250	95	90 - 110	P	10/08/2025	14:14	LB137466
	Nickel	2360	2500	94	90 - 110	P	10/08/2025	14:14	LB137466
	Zinc	2330	2500	93	90 - 110	P	10/08/2025	14:14	LB137466
CCV03	Chromium	943	1000	94	90 - 110	P	10/08/2025	15:04	LB137466
	Copper	1170	1250	94	90 - 110	P	10/08/2025	15:04	LB137466
	Nickel	2320	2500	93	90 - 110	P	10/08/2025	15:04	LB137466
	Zinc	2380	2500	95	90 - 110	P	10/08/2025	15:04	LB137466
CCV04	Chromium	965	1000	96	90 - 110	P	10/08/2025	16:11	LB137466
	Copper	1190	1250	95	90 - 110	P	10/08/2025	16:11	LB137466
	Nickel	2340	2500	94	90 - 110	P	10/08/2025	16:11	LB137466
	Zinc	2370	2500	95	90 - 110	P	10/08/2025	16:11	LB137466
CCV05	Chromium	942	1000	94	90 - 110	P	10/08/2025	17:02	LB137466
	Copper	1180	1250	94	90 - 110	P	10/08/2025	17:02	LB137466
	Nickel	2310	2500	92	90 - 110	P	10/08/2025	17:02	LB137466
	Zinc	2460	2500	98	90 - 110	P	10/08/2025	17:02	LB137466
CCV06	Chromium	949	1000	95	90 - 110	P	10/08/2025	17:53	LB137466
	Copper	1200	1250	96	90 - 110	P	10/08/2025	17:53	LB137466
	Nickel	2350	2500	94	90 - 110	P	10/08/2025	17:53	LB137466
	Zinc	2410	2500	96	90 - 110	P	10/08/2025	17:53	LB137466



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Metals

- 2b -

CRDL STANDARD FOR AA & ICP

Client: VERINA CONSULTING GROUP, LLC

SDG No.: Q3268

Contract: VERI01

Lab Code: ACE

Initial Calibration Source: _____

Continuing Calibration Source: _____

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CRI01	Chromium	9.98	10.0	100	65 - 135	P	10/08/2025	12:41	LB137466
	Copper	21.6	20.0	108	65 - 135	P	10/08/2025	12:41	LB137466
	Nickel	39.3	40.0	98	65 - 135	P	10/08/2025	12:41	LB137466
	Zinc	43.1	40.0	108	65 - 135	P	10/08/2025	12:41	LB137466

Metals
- 4 -
INTERFERENCE CHECK SAMPLE

Client: <u>VERINA CONSULTING GROUP, LLC</u>	SDG No.: <u>Q3268</u>
Contract: <u>VERI01</u>	Lab Code: <u>ACE</u>
ICS Source: <u>EPA</u>	Instrument ID: <u>P4</u>

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	47.7	52.0	92	42	62	10/08/2025	12:45	LB137466
	Copper	16.3	2.0	815	-18	22	10/08/2025	12:45	LB137466
	Nickel	3.02	2.0	151	-38	42	10/08/2025	12:45	LB137466
	Zinc	1.82			-40	40	10/08/2025	12:45	LB137466
ICSAB01	Chromium	552	542	102	460	624	10/08/2025	12:50	LB137466
	Copper	496	511	97	434	588	10/08/2025	12:50	LB137466
	Nickel	1000	954	105	810	1100	10/08/2025	12:50	LB137466
	Zinc	1050	952	110	809	1095	10/08/2025	12:50	LB137466



METAL QC DATA

metals
- 5a -
MATRIX SPIKE SUMMARY

client: <u>VERINA CONSULTING GROUP, LLC</u>	level: <u>low</u>	sdg no.: <u>Q3268</u>
contract: <u>VERI01</u>		lab code: <u>ACE</u>
matrix: <u>Water</u>	sample id: <u>Q3268-01</u>	client id: <u>WATER-TREATMENT-DISCHARGEMS</u>
Percent Solids for Sample: <u>NA</u>	Spiked ID: <u>Q3268-01MS</u>	Percent Solids for Spike Sample: <u>NA</u>

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Chromium	ug/L	75 - 125	299		114		200	93		P
Copper	ug/L	75 - 125	162		28.4		150	89		P
Nickel	ug/L	75 - 125	257		21.4		250	94		P
Zinc	ug/L	75 - 125	3430		3310		100	114		P

metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: <u>VERINA CONSULTING GROUP, LLC</u>	level: <u>low</u>	sdg no.: <u>Q3268</u>
contract: <u>VERI01</u>		lab code: <u>ACE</u>
matrix: <u>Water</u>	sample id: <u>Q3268-01</u>	client id: <u>WATER-TREATMENT-DISCHARGEMSD</u>
Percent Solids for Sample: <u>NA</u>	Spiked ID: <u>Q3268-01MSD</u>	Percent Solids for Spike Sample: <u>NA</u>

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Chromium	ug/L	75 - 125	301		114		200	94		P
Copper	ug/L	75 - 125	162		28.4		150	89		P
Nickel	ug/L	75 - 125	257		21.4		250	94		P
Zinc	ug/L	75 - 125	3470		3310		100	155		P

Metals
- 5b -

Client:

VERINA CONSULTING GROUP, LLC

SDG No.:

Q3268

Contract:

VERI01

Lab Code:

ACE

Matrix:

Level:

LOW

Client ID:

Sample ID:

Spiked ID:

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

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DUPLICATE SAMPLE SUMMARY

Client: VERINA CONSULTING GROUP, LLC **Level:** LOW **SDG No.:** Q3268
Contract: VERI01 **Lab Code:** ACE
Matrix: Water **Sample ID:** Q3268-01 **Client ID:** WATER-TREATMENT-DISCHARGEDU
Percent Solids for Sample: NA **Duplicate ID** Q3268-01DUP **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Chromium	ug/L	20	114		116		2		P
Copper	ug/L	20	28.4		28.7		1		P
Nickel	ug/L	20	21.4		21.6		1		P
Zinc	ug/L	20	3310		3460		4		P

“A control limit of $\pm 20\%$ RPD for each matrix applies for sample values greater than 10 times Detection Limit”

Metals

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DUPLICATE SAMPLE SUMMARY

Client: VERINA CONSULTING GROUP, LLC **Level:** LOW **SDG No.:** Q3268
Contract: VERI01 **Lab Code:** ACE
Matrix: Water **Sample ID:** Q3268-01MS **Client ID:** WATER-TREATMENT-DISCHARGE
Percent Solids for Sample: NA **Duplicate ID** Q3268-01MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Chromium	ug/L	20	299		301		1		P
Copper	ug/L	20	162		162		0		P
Nickel	ug/L	20	257		257		0		P
Zinc	ug/L	20	3430		3470		1		P

“A control limit of $\pm 20\%$ RPD for each matrix applies for sample values greater than 10 times Detection Limit”

Metals

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LABORATORY CONTROL SAMPLE SUMMARY

Client:	<u>VERINA CONSULTING GROUP, LLC</u>	SDG No.:	<u>Q3268</u>
Contract:	<u>VERI01</u>	Lab Code:	<u>ACE</u>

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB169978BS							
Chromium	ug/L	200	212		106	80 - 120	P
Copper	ug/L	150	154		103	80 - 120	P
Nickel	ug/L	250	247		99	80 - 120	P
Zinc	ug/L	100	100		100	80 - 120	P

Metals
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ICP SERIAL DILUTIONS

SAMPLE NO.

WATER-TREATMENT-DISCHARGEL

Lab Name: Alliance **Contract:** VERI01
Lab Code: ACE **Lb No.:** lb137466 **Lab Sample ID :** Q3268-01L **SDG No.:** Q3268
Matrix (soil/water): Water **Level (low/med):** LOW
Concentration Units: ug/L

Analyte	Initial Sample Result (I) C		Serial Dilution Result (S) C		% Differ- ence		Q	M
Chromium	114		120		6			P
Copper	28.4		33.5	J	18			P
Nickel	21.4		22.7	J	6			P
Zinc	3310		3530		7			P

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metals
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ANALYSIS RUN LOG

Client: VERINA CONSULTING GROUP, LLC

Contract: VERI01

Lab code: ACE

Sdg no.: Q3268

Instrument id number:

Method:

Run number: LB137466

Start date: 10/08/2025

End date: 10/08/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1200	Cr,Cu,Ni,Zn
S1	S1	1	1204	Cr,Cu,Ni,Zn
S2	S2	1	1208	Cr,Cu,Ni,Zn
S3	S3	1	1212	Cr,Cu,Ni,Zn
S4	S4	1	1216	Cr,Cu,Ni,Zn
S5	S5	1	1220	Cr,Cu,Ni,Zn
ICV01	ICV01	1	1224	Cr,Cu,Ni,Zn
LLICV01	LLICV01	1	1232	Cr,Cu,Ni,Zn
ICB01	ICB01	1	1236	Cr,Cu,Ni,Zn
CRI01	CRI01	1	1241	Cr,Cu,Ni,Zn
ICSA01	ICSA01	1	1245	Cr,Cu,Ni,Zn
ICSAB01	ICSAB01	1	1250	Cr,Cu,Ni,Zn
CCV01	CCV01	1	1312	Cr,Cu,Ni,Zn
CCB01	CCB01	1	1316	Cr,Cu,Ni,Zn
CCV02	CCV02	1	1414	Cr,Cu,Ni,Zn
CCB02	CCB02	1	1418	Cr,Cu,Ni,Zn
Q3268-01	WATER-TREATMENT-DISCH/	1	1443	Cr,Cu,Ni,Zn
Q3268-01DUP	WATER-TREATMENT-DISCH/	1	1447	Cr,Cu,Ni,Zn
Q3268-01L	WATER-TREATMENT-DISCH/	5	1452	Cr,Cu,Ni,Zn
Q3268-01MS	WATER-TREATMENT-DISCH/	1	1456	Cr,Cu,Ni,Zn
Q3268-01MSD	WATER-TREATMENT-DISCH/	1	1500	Cr,Cu,Ni,Zn
CCV03	CCV03	1	1504	Cr,Cu,Ni,Zn
CCB03	CCB03	1	1513	Cr,Cu,Ni,Zn
PB169978BL	PB169978BL	1	1530	Cr,Cu,Ni,Zn
PB169978BS	PB169978BS	1	1534	Cr,Cu,Ni,Zn
CCV04	CCV04	1	1611	Cr,Cu,Ni,Zn
CCB04	CCB04	1	1615	Cr,Cu,Ni,Zn
CCV05	CCV05	1	1702	Cr,Cu,Ni,Zn
CCB05	CCB05	1	1706	Cr,Cu,Ni,Zn
CCV06	CCV06	1	1753	Cr,Cu,Ni,Zn
CCB06	CCB06	1	1757	Cr,Cu,Ni,Zn



METAL PREPARATION & INSTRUMENT DATA

Metals

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ICP INTERELEMENT CORRECTION FACTORS

Client: VERINA CONSULTING GROUP, LLC

SDG No.: Q3268

Contract: VERI01

Lab Code: ACE

Instrument ID: _____

Date: _____

Interement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave- Length (nm)	ICP Interement 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

Metals

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ICP INTERELEMENT CORRECTION FACTORS

Client: VERINA CONSULTING GROUP, LLC

SDG No.: Q3268

Contract: VERI01

Lab Code: ACE

Instrument ID: _____

Date: _____

Interement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave- Length (nm)	ICP Interement 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.: Q3268

Contract: VERI01

Lab Code: ACE

Instrument ID:

Date:

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave- Length (nm)	ICP Interelement Correction Factors For:				
		Cr	Cu	K	Mn	Mo
Chromium	267.716	0.0000000	0.0000000	0.0000070	0.0002200	0.0000000
Copper	224.700	0.0000000	0.0000000	0.0000000	0.0006510	0.0020500
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0009010	0.0000000	0.0000000	0.0000000

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Metals

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ICP INTERELEMENT CORRECTION FACTORS

Client: VERINA CONSULTING GROUP, LLC

SDG No.: Q3268

Contract: VERI01

Lab Code: ACE

Instrument ID: _____

Date: _____

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave- Length (nm)	ICP Interelement Correction Factors For:				
		Na	Ni	Pb	Sb	Se
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	-0.0047000	0.0036100	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0067600	0.0000000	0.0000000	0.0000000

Metals

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ICP INTERELEMENT CORRECTION FACTORS

Client: VERINA CONSULTING GROUP, LLC

SDG No.: Q3268

Contract: VERI01

Lab Code: ACE

Instrument ID: _____

Date: _____

Interement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave- Length (nm)	ICP Interement 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:	Q3268	OrderDate:	10/2/2025 12:46:00 PM
Client:	VERINA CONSULTING GROUP, LLC	Project:	Rotor Clip NJ WTD - 2025
Contact:	Michael Valenzi	Location:	D31

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3268-01	WATER-TREATMENT-D ISCHARGE	Water	Metals Group4	6010D	10/02/25	10/03/25	10/08/25	10/02/25



METAL PREPARATION & ANALYICAL SUMMARY

Metals
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SAMPLE PREPARATION SUMMARY

Client: VERINA CONSULTING GROUP, LLC **SDG No.:** Q3268
Contract: VERI01 **Lab Code:** ACE **Method:** _____

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(mL)	Final Sample Volume (mL)	Percent Solids
Batch Number: PB169978							
PB169978BL	PB169978BL	MB	WATER	10/03/2025	50.0	25.0	
PB169978BS	PB169978BS	LCS	WATER	10/03/2025	50.0	25.0	
Q3268-01	WATER-TREATMENT-DISCHARGE	SAM	WATER	10/03/2025	50.0	25.0	
Q3268-01DUP	WATER-TREATMENT-DISCHARGEDUP	DUP	WATER	10/03/2025	50.0	25.0	
Q3268-01MS	WATER-TREATMENT-DISCHARGEMS	MS	WATER	10/03/2025	50.0	25.0	
Q3268-01MSD	WATER-TREATMENT-DISCHARGEMSD	MSD	WATER	10/03/2025	50.0	25.0	

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB137466

Review By	Janvi	Review On	10/10/2025 1:31:26 PM
Supervise By	jaswal	Supervise On	10/10/2025 10:40:09 PM
STD. NAME	STD REF.#		
ICAL Standard	MP87031,MP87038,MP87035,MP87034,MP87033,MP87032		
ICV Standard	MP87047,MP87038		
CCV Standard	MP87042		
ICSA Standard	MP87040,MP87048		
CRI Standard	MP87038		
LCS Standard			
Chk Standard	MP87043,MP87044,MP87045,MP87046,MP87049		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	10/08/25 12:00		Jaswal	OK
2	S1	S1	CAL2	10/08/25 12:04		Jaswal	OK
3	S2	S2	CAL3	10/08/25 12:08		Jaswal	OK
4	S3	S3	CAL4	10/08/25 12:12		Jaswal	OK
5	S4	S4	CAL5	10/08/25 12:16		Jaswal	OK
6	S5	S5	CAL6	10/08/25 12:20		Jaswal	OK
7	ICV01	ICV01	ICV	10/08/25 12:24		Jaswal	OK
8	LLICV01	LLICV01	LLICV	10/08/25 12:32		Jaswal	OK
9	ICB01	ICB01	ICB	10/08/25 12:36		Jaswal	OK
10	CRI01	CRI01	CRDL	10/08/25 12:41		Jaswal	OK
11	ICSA01	ICSA01	ICSA	10/08/25 12:45		Jaswal	OK
12	ICSAB01	ICSAB01	ICSAB	10/08/25 12:50		Jaswal	OK
13	ICSADL	ICSADL	ICSA	10/08/25 12:54		Jaswal	OK
14	ICSABDL	ICSABDL	ICSAB	10/08/25 12:59		Jaswal	OK
15	CCV01	CCV01	CCV	10/08/25 13:12		Jaswal	OK
16	CCB01	CCB01	CCB	10/08/25 13:16		Jaswal	OK
17	LR-2	LR-2	HIGH STD	10/08/25 13:25		Jaswal	OK
18	LR-3	LR-3	HIGH STD	10/08/25 13:29		Jaswal	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB137466

Review By	Janvi	Review On	10/10/2025 1:31:26 PM
Supervise By	jaswal	Supervise On	10/10/2025 10:40:09 PM
STD. NAME	STD REF.#		
ICAL Standard	MP87031,MP87038,MP87035,MP87034,MP87033,MP87032		
ICV Standard	MP87047,MP87038		
CCV Standard	MP87042		
ICSA Standard	MP87040,MP87048		
CRI Standard	MP87038		
LCS Standard			
Chk Standard	MP87043,MP87044,MP87045,MP87046,MP87049		

19	Q3295-03	EO-02-10062025	SAM	10/08/25 13:34		Jaswal	OK
20	Q3295-01	EO-01-10062025	SAM	10/08/25 13:38		Jaswal	OK
21	Q3295-01L	EO-01-10062025L	SD	10/08/25 13:46		Jaswal	OK
22	Q3295-01MS	EO-01-10062025MS	MS	10/08/25 13:50		Jaswal	OK
23	Q3295-01MSD	EO-01-10062025MSD	MSD	10/08/25 13:54		Jaswal	OK
24	Q3295-01A	EO-01-10062025A	PS	10/08/25 13:58	0.1ML M6008,M6017-10ML SAMPLE	Jaswal	OK
25	LR-1	LR-1	HIGH STD	10/08/25 14:02		Jaswal	OK
26	Q3295-01DUP	EO-01-10062025DUP	DUP	10/08/25 14:08		Jaswal	OK
27	CCV02	CCV02	CCV	10/08/25 14:14		Jaswal	OK
28	CCB02	CCB02	CCB	10/08/25 14:18		Jaswal	OK
29	Q3296-01	SU-04-10062025	SAM	10/08/25 14:23		Jaswal	OK
30	Q3293-01	CONC-STORAGE-PA	SAM	10/08/25 14:27		Jaswal	OK
31	Q3294-01	HD-02-10062025	SAM	10/08/25 14:31		Jaswal	OK
32	Q3297-01	TP1	SAM	10/08/25 14:35		Jaswal	OK
33	Q3297-11	TP2	SAM	10/08/25 14:39		Jaswal	OK
34	Q3268-01	WATER-TREATMENT	SAM	10/08/25 14:43		Jaswal	OK
35	Q3268-01DUP	WATER-TREATMENT	DUP	10/08/25 14:47		Jaswal	OK
36	Q3268-01L	WATER-TREATMENT	SD	10/08/25 14:52		Jaswal	OK
37	Q3268-01MS	WATER-TREATMENT	MS	10/08/25 14:56		Jaswal	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB137466

Review By	Janvi	Review On	10/10/2025 1:31:26 PM
Supervise By	jaswal	Supervise On	10/10/2025 10:40:09 PM
STD. NAME	STD REF.#		
ICAL Standard	MP87031,MP87038,MP87035,MP87034,MP87033,MP87032		
ICV Standard	MP87047,MP87038		
CCV Standard	MP87042		
ICSA Standard	MP87040,MP87048		
CRI Standard	MP87038		
LCS Standard			
Chk Standard	MP87043,MP87044,MP87045,MP87046,MP87049		

38	Q3268-01MSD	WATER-TREATMENT	MSD	10/08/25 15:00		Jaswal	OK
39	CCV03	CCV03	CCV	10/08/25 15:04		Jaswal	OK
40	CCB03	CCB03	CCB	10/08/25 15:13		Jaswal	OK
41	Q3268-01A	WATER-TREATMENT	PS	10/08/25 15:17	0.1ML M6008,M6017-10ML SAMPLE	Jaswal	OK
42	PB169978BL	PB169978BL	MB	10/08/25 15:30		Jaswal	OK
43	PB169978BS	PB169978BS	LCS	10/08/25 15:34		Jaswal	OK
44	PB169959BL	PB169959BL	MB	10/08/25 15:38		Jaswal	OK
45	PB169959BS	PB169959BS	LCS	10/08/25 15:43		Jaswal	OK
46	Q3275-01	MW3	SAM	10/08/25 15:47		Jaswal	OK
47	Q3275-02	MW4	SAM	10/08/25 15:51		Jaswal	OK
48	Q3275-03	MW5	SAM	10/08/25 15:55	Na High	Jaswal	Dilution
49	CCV04	CCV04	CCV	10/08/25 16:11		Jaswal	OK
50	CCB04	CCB04	CCB	10/08/25 16:15		Jaswal	OK
51	Q3275-04	MW1	SAM	10/08/25 16:19	Not Use	Jaswal	Not Ok
52	Q3278-01	MW10	SAM	10/08/25 16:24	Not Use	Jaswal	Not Ok
53	Q3260-02	COMP	SAM	10/08/25 16:28		Jaswal	OK
54	Q3260-02DUP	COMP DUP	DUP	10/08/25 16:32		Jaswal	OK
55	Q3260-02L	COMPL	SD	10/08/25 16:37		Jaswal	OK
56	Q3260-02MS	COMPMS	MS	10/08/25 16:41		Jaswal	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB137466

Review By	Janvi	Review On	10/10/2025 1:31:26 PM
Supervise By	jaswal	Supervise On	10/10/2025 10:40:09 PM
STD. NAME	STD REF.#		
ICAL Standard	MP87031,MP87038,MP87035,MP87034,MP87033,MP87032		
ICV Standard	MP87047,MP87038		
CCV Standard	MP87042		
ICSA Standard	MP87040,MP87048		
CRI Standard	MP87038		
LCS Standard			
Chk Standard	MP87043,MP87044,MP87045,MP87046,MP87049		

57	Q3260-02MSD	COMPMSD	MSD	10/08/25 16:45		Jaswal	OK
58	Q3260-02A	COMPA	PS	10/08/25 16:49	0.1ML M6008,M6017-10ML SAMPLE	Jaswal	OK
59	Q3267-01DL2	Q4DL2	SAM	10/08/25 16:53	Not Use	Jaswal	Not Ok
60	Q3267-01DL	Q4DL	SAM	10/08/25 16:58	50X Straight Dilution	Jaswal	OK
61	CCV05	CCV05	CCV	10/08/25 17:02		Jaswal	OK
62	CCB05	CCB05	CCB	10/08/25 17:06		Jaswal	OK
63	PB170024BL	PB170024BL	MB	10/08/25 17:10		Jaswal	OK
64	PB170024BS	PB170024BS	LCS	10/08/25 17:15		Jaswal	OK
65	Q3293-02	CONC-STORAGE-PA	SAM	10/08/25 17:19		Jaswal	OK
66	Q3297-10	TP1	SAM	10/08/25 17:23		Jaswal	OK
67	Q3297-20	TP2	SAM	10/08/25 17:27		Jaswal	OK
68	Q3302-06	OR-658-COMP-01	SAM	10/08/25 17:32	NOT USE	Jaswal	Not Ok
69	Q3302-06DUP	OR-658-COMP-01DU	DUP	10/08/25 17:36	NOT USE	Jaswal	Not Ok
70	Q3302-06L	OR-658-COMP-01L	SD	10/08/25 17:41	NOT USE	Jaswal	Not Ok
71	Q3302-06MS	OR-658-COMP-01MS	MS	10/08/25 17:45	NOT USE	Jaswal	Not Ok
72	Q3302-06MSD	OR-658-COMP-01MS	MSD	10/08/25 17:49	NOT USE	Jaswal	Not Ok
73	CCV06	CCV06	CCV	10/08/25 17:53		Jaswal	OK
74	CCB06	CCB06	CCB	10/08/25 17:57		Jaswal	OK

SOP ID : M3010A-Digestion-17

SDG No : N/A

Matrix : WATER

Pipette ID: ICP A

Balance ID : N/A

Filter paper ID : N/A

pH Strip ID : M6069

Hood ID : #3

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

Start Digest Date: 10/03/2025 Time : 10:20 Temp : 96 °C

End Digest Date: 10/03/2025 Time : 13:25 Temp : 96 °C

Digestion tube ID: M5595

Block thermometer ID: MET-DIG. #1

Dig Technician Signature: SKJ

Supervisor Signature: [Signature]

Temp : 1. 96°C 2. N/A

Standard Name	MLS USED	STD REF. # FROM LOG
LFS-1	0.25	M6180
LFS-2	0.25	M6181
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
Conc. HNO3	3.00	M6158
1:1 HCL	5.00	MP87148
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

HOT BLOCK#1 CELL#50 96 C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
10/03/2025 13:25	SKJ met dig	SKJ (metals lab)
	Preparation Group	Analysis Group

Lab Sample ID	Client Sample ID	pH	Initial Vol (ml)	Final Vol (ml)	Color Before	Color After	Clarity Before	Clarity After	Comment	Prep Pos
PB169978BL	PBW978	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	1
PB169978BS	LCS978	<2	50	25	Colorless	Colorless	Clear	Clear	M6180,M6181	2
Q3268-01MS	WATER-TREATMENT-DISCHA RCEMS	<2	50	25	Colorless	Colorless	Clear	Clear	M6180,M6181	5
Q3268-01MSD	WATER-TREATMENT-DISCHA RCEMSD	<2	50	25	Colorless	Colorless	Clear	Clear	M6180,M6181	6
Q3268-01DUP	WATER-TREATMENT-DISCHA RCE DUP	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	4
Q3268-01	WATER-TREATMENT-DISCHA RCE	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	3
Q3275-01	MW3	<2	50	25	light Brown	Colorless	Clear	Clear	N/A	7
Q3275-02	MW4	<2	50	25	Brown	light Brown	Cloudy	Clear	N/A	8
Q3275-03	MW5	<2	50	25	light Brown	Colorless	Clear	Clear	N/A	9
Q3275-04	MW1	<2	50	25	light Brown	Colorless	Clear	Clear	N/A	10
Q3278-01	MW10	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	11



SAMPLE DATA

Report of Analysis

Client:	VERINA CONSULTING GROUP, LLC	Date Collected:	10/02/25 10:15
Project:	Rotor Clip NJ WTD - 2025	Date Received:	10/02/25
Client Sample ID:	WATER-TREATMENT-DISCHARGE	SDG No.:	Q3268
Lab Sample ID:	Q3268-01	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Ammonia as N	0.64		1	0.030	0.10	mg/L	10/02/25 14:10	10/03/25 10:40	SM 4500-NH3 B plus G-21
Residual Chlorine	0.18	H	1	0.023	0.10	mg/L		10/02/25 14:09	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

Initial and Continuing Calibration Verification

Client: VERINA CONSULTING GROUP, LLC

SDG No.: Q3268

Project: Rotor Clip NJ WTD - 2025

RunNo.: LB137395

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV Residual Chlorine	mg/L	0.417	0.4	104	90-110	10/02/2025
Sample ID: CCV1 Residual Chlorine	mg/L	0.377	0.4	94	90-110	10/02/2025
Sample ID: CCV2 Residual Chlorine	mg/L	0.387	0.4	97	90-110	10/02/2025

Initial and Continuing Calibration Verification

Client: VERINA CONSULTING GROUP, LLC

SDG No.: Q3268

Project: Rotor Clip NJ WTD - 2025

RunNo.: LB137417

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV1 Ammonia as N	mg/L	0.98	1	98	90-110	10/03/2025
Sample ID: CCV1 Ammonia as N	mg/L	0.97	1	97	90-110	10/03/2025
Sample ID: CCV2 Ammonia as N	mg/L	0.97	1	97	90-110	10/03/2025
Sample ID: CCV3 Ammonia as N	mg/L	1	1	100	90-110	10/03/2025
Sample ID: CCV4 Ammonia as N	mg/L	0.98	1	98	90-110	10/03/2025

A

B

C

D

E

F

Initial and Continuing Calibration Blank Summary

Client: VERINA CONSULTING GROUP, LLC

SDG No.: Q3268

Project: Rotor Clip NJ WTD - 2025

RunNo.: LB137395

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: ICB Residual Chlorine	mg/L	< 0.0500	0.0500	U	0.023	0.1	10/02/2025
Sample ID: CCB1 Residual Chlorine	mg/L	< 0.0500	0.0500	U	0.023	0.1	10/02/2025
Sample ID: CCB2 Residual Chlorine	mg/L	< 0.0500	0.0500	U	0.023	0.1	10/02/2025

Initial and Continuing Calibration Blank Summary

Client: VERINA CONSULTING GROUP, LLC

SDG No.: Q3268

Project: Rotor Clip NJ WTD - 2025

RunNo.: LB137417

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: ICB1 Ammonia as N	mg/L	< 0.0500	0.0500	U	0.030	0.1	10/03/2025
Sample ID: CCB1 Ammonia as N	mg/L	< 0.0500	0.0500	U	0.030	0.1	10/03/2025
Sample ID: CCB2 Ammonia as N	mg/L	< 0.0500	0.0500	U	0.030	0.1	10/03/2025
Sample ID: CCB3 Ammonia as N	mg/L	< 0.0500	0.0500	U	0.030	0.1	10/03/2025
Sample ID: CCB4 Ammonia as N	mg/L	< 0.0500	0.0500	U	0.030	0.1	10/03/2025

Preparation Blank Summary

Client: VERINA CONSULTING GROUP, LLC

SDG No.: Q3268

Project: Rotor Clip NJ WTD - 2025

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: LB137395BL							
Residual Chlorine	mg/L	< 0.0500	0.0500	U	0.023	0.1	10/02/2025
Sample ID: PB169946BL							
Ammonia as N	mg/L	< 0.0500	0.0500	U	0.03	0.1	10/03/2025

A

B

C

D

E

F

Matrix Spike Summary

Client:	VERINA CONSULTING GROUP, LLC	SDG No.:	Q3268
Project:	Rotor Clip NJ WTD - 2025	Sample ID:	Q3263-02
Client ID:	266380MS	Percent Solids for Spike Sample:	0

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Ammonia as N	mg/L	75-125	1.00		0.030	U	1	1	100		10/03/2025

Matrix Spike Summary

Client: VERINA CONSULTING GROUP, LLC

SDG No.: Q3268

Project: Rotor Clip NJ WTD - 2025

Sample ID: Q3263-02

Client ID: 266380MSD

Percent Solids for Spike Sample: 0

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Ammonia as N	mg/L	75-125	1.00		0.030	U	1	1	100		10/03/2025

Matrix Spike Summary

Client:	VERINA CONSULTING GROUP, LLC	SDG No.:	Q3268
Project:	Rotor Clip NJ WTD - 2025	Sample ID:	Q3268-01
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	0.57		0.18		0.4	1	96		10/02/2025

Matrix Spike Summary

Client:	VERINA CONSULTING GROUP, LLC	SDG No.:	Q3268
Project:	Rotor Clip NJ WTD - 2025	Sample ID:	Q3268-01
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	0.56		0.18		0.4	1	94		10/02/2025

Duplicate Sample Summary

Client:	VERINA CONSULTING GROUP, LLC	SDG No.:	Q3268
Project:	Rotor Clip NJ WTD - 2025	Sample ID:	Q3263-02
Client ID:	266380DUP	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	0.030	U	0.030	U	1	0		10/03/2025

Duplicate Sample Summary

Client:	VERINA CONSULTING GROUP, LLC	SDG No.:	Q3268
Project:	Rotor Clip NJ WTD - 2025	Sample ID:	Q3263-02
Client ID:	266380MSD	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	1.00		1.00		1	0		10/03/2025

Duplicate Sample Summary

Client:	VERINA CONSULTING GROUP, LLC	SDG No.:	Q3268
Project:	Rotor Clip NJ WTD - 2025	Sample ID:	Q3268-01
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	0.18		0.17		1	5.59		10/02/2025

Duplicate Sample Summary

Client:	VERINA CONSULTING GROUP, LLC	SDG No.:	Q3268
Project:	Rotor Clip NJ WTD - 2025	Sample ID:	Q3268-01
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	0.57		0.56		1	1.77		10/02/2025

Laboratory Control Sample Summary

Client:	VERINA CONSULTING GROUP, LLC	SDG No.:	Q3268
Project:	Rotor Clip NJ WTD - 2025	Run No.:	LB137395

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LB137395BS							
Residual Chlorine	mg/L	0.4	0.41		102	1	90-110	10/02/2025

Laboratory Control Sample Summary

Client:	VERINA CONSULTING GROUP, LLC	SDG No.:	Q3268
Project:	Rotor Clip NJ WTD - 2025	Run No.:	LB137417

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	PB169946BS							
Ammonia as N	mg/L	1	1.00		100	1	90-110	10/03/2025

Instrument ID: SPECTROPHOTOMETER-1

Daily Analysis Runlog For Sequence/QC Batch ID # LB137395

Review By	Iwona	Review On	10/2/2025 2:40:07 PM
Supervise By	jignesh	Supervise On	10/2/2025 2:41:51 PM
SubDirectory	LB137395	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	WP115030,WP115025,WP115026,WP115028,WP115024,WP115029,WP115027,W3147		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	CAL1	CAL1	CAL	10/02/25 13:30		Iwona	OK
2	CAL2	CAL2	CAL	10/02/25 13:33		Iwona	OK
3	CAL3	CAL3	CAL	10/02/25 13:36		Iwona	OK
4	CAL4	CAL4	CAL	10/02/25 13:40		Iwona	OK
5	CAL5	CAL5	CAL	10/02/25 13:43		Iwona	OK
6	CAL6	CAL6	CAL	10/02/25 13:46		Iwona	OK
7	ICV	ICV	ICV	10/02/25 13:50		Iwona	OK
8	ICB	ICB	ICB	10/02/25 13:53		Iwona	OK
9	CCV1	CCV1	CCV	10/02/25 13:56		Iwona	OK
10	CCB1	CCB1	CCB	10/02/25 14:00		Iwona	OK
11	LB137395BL	LB137395BL	MB	10/02/25 14:03		Iwona	OK
12	LB137395BS	LB137395BS	LCS	10/02/25 14:06		Iwona	OK
13	Q3268-01	WATER-TREATMENT	SAM	10/02/25 14:09		Iwona	OK
14	Q3268-01DUP	WATER-TREATMENT	DUP	10/02/25 14:12		Iwona	OK
15	Q3268-01MS	WATER-TREATMENT	MS	10/02/25 14:15		Iwona	OK
16	Q3268-01MSD	WATER-TREATMENT	MSD	10/02/25 14:18		Iwona	OK
17	CCV2	CCV2	CCV	10/02/25 14:21		Iwona	OK
18	CCB2	CCB2	CCB	10/02/25 14:24		Iwona	OK

Instrument ID: KONELAB

Daily Analysis Runlog For Sequence/QC Batch ID # LB137417

Review By	rubina	Review On	10/3/2025 1:41:40 PM
Supervise By	Iwona	Supervise On	10/3/2025 4:37:40 PM
SubDirectory	LB137417	Test	Ammonia
STD. NAME	STD REF.#		
ICAL Standard	WP115036		
ICV Standard	WP115038		
CCV Standard	WP115037		
ICSA Standard	N/A		
CRI Standard	N/A		
LCS Standard	WP114786		
Chk Standard	WP114799,WP114133,WP113929,WP114132		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	0.0PPM	0.0PPM	CAL1	10/03/25 09:28		rubina	OK
2	0.1PPM	0.1PPM	CAL2	10/03/25 09:28		rubina	OK
3	0.2PPM	0.2PPM	CAL3	10/03/25 09:28		rubina	OK
4	0.4PPM	0.4PPM	CAL4	10/03/25 09:28		rubina	OK
5	1.0PPM	1.0PPM	CAL5	10/03/25 09:28		rubina	OK
6	1.3PPM	1.3PPM	CAL6	10/03/25 09:28		rubina	OK
7	2.0PPM	2.0PPM	CAL7	10/03/25 09:28		rubina	OK
8	ICV1	ICV1	ICV	10/03/25 10:18		rubina	OK
9	ICB1	ICB1	ICB	10/03/25 10:18		rubina	OK
10	CCV1	CCV1	CCV	10/03/25 10:18		rubina	OK
11	CCB1	CCB1	CCB	10/03/25 10:18		rubina	OK
12	RL	RL	LOQ	10/03/25 10:18		rubina	OK
13	PB169946BL	PB169946BL	MB	10/03/25 10:29		rubina	OK
14	PB169946BS	PB169946BS	LCS	10/03/25 10:29		rubina	OK
15	Q3254-01	MW-1	SAM	10/03/25 10:29		rubina	OK
16	Q3254-03	MW-2	SAM	10/03/25 10:29	NH3 is high , need dilution	rubina	Dilution
17	Q3254-05	MW-3	SAM	10/03/25 10:29	NH3 is high , need dilution	rubina	Dilution
18	Q3254-07	MW-4	SAM	10/03/25 10:29	NH3 is high , need dilution	rubina	Dilution

Instrument ID: KONELAB

Daily Analysis Runlog For Sequence/QC Batch ID # LB137417

Review By	rubina	Review On	10/3/2025 1:41:40 PM
Supervise By	Iwona	Supervise On	10/3/2025 4:37:40 PM
SubDirectory	LB137417	Test	Ammonia
STD. NAME	STD REF.#		
ICAL Standard	WP115036		
ICV Standard	WP115038		
CCV Standard	WP115037		
ICSA Standard	N/A		
CRI Standard	N/A		
LCS Standard	WP114786		
Chk Standard	WP114799,WP114133,WP113929,WP114132		

19	Q3258-06	COMPOSITE	SAM	10/03/25 10:29		rubina	OK
20	Q3263-01	251818	SAM	10/03/25 10:29		rubina	OK
21	Q3263-02	266380	SAM	10/03/25 10:29		rubina	OK
22	CCV2	CCV2	CCV	10/03/25 10:39		rubina	OK
23	CCB2	CCB2	CCB	10/03/25 10:39		rubina	OK
24	Q3263-02DUP	266380DUP	DUP	10/03/25 10:39		rubina	OK
25	Q3263-02MS	266380MS	MS	10/03/25 10:39		rubina	OK
26	Q3263-02MSD	266380MSD	MSD	10/03/25 10:40		rubina	OK
27	Q3268-01	WATER-TREATMENT	SAM	10/03/25 10:40		rubina	OK
28	CCV3	CCV3	CCV	10/03/25 10:46		rubina	OK
29	CCB3	CCB3	CCB	10/03/25 10:46		rubina	OK
30	Q3254-03DL	MW-2DL	SAM	10/03/25 11:10	10X For NH3	rubina	Confirms
31	Q3254-05DL	MW-3DL	SAM	10/03/25 11:10	5X For NH3	rubina	Confirms
32	Q3254-07DL	MW-4DL	SAM	10/03/25 11:10	10X For NH3	rubina	Confirms
33	CCV4	CCV4	CCV	10/03/25 11:10		rubina	OK
34	CCB4	CCB4	CCB	10/03/25 11:10		rubina	OK

LAB CHRONICLE

OrderID:	Q3268	OrderDate:	10/2/2025 12:46:00 PM
Client:	VERINA CONSULTING GROUP, LLC	Project:	Rotor Clip NJ WTD - 2025
Contact:	Michael Valenzi	Location:	D31

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3268-01	WATER-TREATMENT-D ISCHARGE	WATER			10/02/25 10:15			10/02/25
			Ammonia	SM4500-NH3		10/02/25	10/03/25 10:40	
			Residual Chlorine	SM4500 Cl G			10/02/25 14:09	

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

SDG No : N/A

Start Digest Date: 10/02/2025 Time : 14:10 Temp : 150 °C

Matrix : WATER

End Digest Date: 10/02/2025 Time : 15:10 Temp : 160 °C

Pipette ID : WC

π batch
10/02/2025 15:45 150°C
10/02/2025 16:45 160°C

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: *RH*

Weigh By : N/A

pH Meter ID : N/A

Supervisor Signature: *12*

Standard Name	MLS USED	STD REF. # FROM LOG
LCSW	1.0ML	WP114786
MS/MSD SPIKE SOL.	1.0ML	WP114785
PBW	50.0ML	W3112
RL CHECK	0.1ML	WP114785
N/A	N/A	N/A

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

Extraction Conformance/Non-Conformance Comments:

ALL GLASSWEAR ARE STEAMED OUT AND THERE WERE NO TRACE OF AMMONIA USING NESLER REAGENT WP114104,

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
10/02/2025 17:00	<i>RH (WC)</i>	<i>RH (WC)</i>
	Preparation Group	Analysis Group

Lab Sample ID	Client Sample ID	Initial Vol (ml)	Final Vol (ml)	pH	Sulfide	Oxidizing	Nitrate/ Nitrite	Comment	Prep Pos
PB169946BL	PBW946	50	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
PB169946BS	LCS946	50	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
Q3254-01	MW-1	50	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
Q3254-03	MW-2	50	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
Q3254-05	MW-3	50	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
Q3254-07	MW-4	50	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
Q3258-06	COMPOSITE	50	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
Q3263-01	251818	50	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
Q3263-02	266380	50	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
Q3263-02DUP	266380DUP	50	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
Q3263-02MS	266380MS	50	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
Q3263-02MSD	266380MSD	50	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
Q3268-01	WATER-TREATMENT-DISCHARGE	50	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A



SHIPPING DOCUMENTS

CLIENT INFORMATION

CLIENT PROJECT INFORMATION

CLIENT BILLING INFORMATION

REPORT TO BE SENT TO:

COMPANY: Verina Consulting Group
ADDRESS: 1011 US Highway 22, Suite 302
CITY: Bridgewater STATE: ZIP: 08807
ATTENTION: Michael Valenzi
PHONE: 908-864-4400 FAX: 908-864-4401

PROJECT NAME: Rotarclip
PROJECT NO.: 5183.0001 LOCATION: NJ
PROJECT MANAGER: Michael Valenzi
e-mail: mvalenzi@vcg-llc.com
PHONE: 908-864-4400 FAX: 908-864-4401

BILL TO: see left PO#: ADDRESS: CITY STATE: ZIP: ATTENTION: PHONE:

ANALYSIS

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) ☐ NYS ASP A ☐ NYS ASP B
+ Raw Data ☐ Other
☐ EDD FORMAT

Cr, Cu, Ni, Zn
(Chlorine demand)
Ammonia

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES	PRESERVATIVES									COMMENTS
			COMP	GRAB	DATE	TIME		B	E	C							
1.	Water Treatment Discharge	WW	X		10/2/25	10:15	3	X	X	X							← Specify Preservatives A-HCl D-NaOH B-HNO3 E-ICE C-H2SO4 F-OTHER
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:	Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP
1. [Signature]	10/2/25 10:45	1. [Signature] 10-2-25	Comments: Flow rate = 46 PH = 9.4 temperature = 70.4 Cr, Cu, Ni, Zn = Metals Group 4
RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:	
2. [Signature]		2. [Signature]	
RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:	
3. [Signature]	10-2-25	3. [Signature]	

Page 1 of 1

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete ☐ YES ☐ NO

Laboratory Certification

Certified By	License No.
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255425
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	TX-C25-00189
Virginia	460312