

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 : Q3020

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) : Q3020 Sampling Date(s) : 9/04/2025

List DKQP Methods Used (e.g., 8260,8270, et Cetra) **1664A,6010D,SM2540 D,SM4500 CI G,SM4500-NH3,SM5210 B, SM5220 D,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 : Q3020

Project ID : Rotor Clip NJ WTD - 2025

Client : VERINA CONSULTING GROUP, LLC

Lab Sample Number

Q3020-01
Q3020-02
Q3020-03
Q3020-04

Client Sample Number

WATER-TREATMENT DISCHARGE
WATER-TREATMENT DISCHARGE
WATER-TREATMENT DISCHARGEMS
WATER-TREATMENT DISCHARGEMSD

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 12:54 pm, Sep 15, 2025

Date: 9/15/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012



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

CASE NARRATIVE

VERINA CONSULTING GROUP, LLC

Project Name: Rotor Clip NJ WTD - 2025

Project # N/A

Order ID # Q3020

Test Name: Metals Group4

A. Number of Samples and Date of Receipt:

4 Water samples were received on 09/04/2025.

B. Parameters:

According to the Chain of Custody document, the following analyses were requested: Ammonia, BOD5, Chlorine Demand, COD, Metals Group4, Metals Group5, Oil and Grease, Residual Chlorine and TSS. This data package contains results for Metals Group4.

C. Analytical Techniques:

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

D. QA/ QC Samples:

The Holding Times were met for all analysis.

The Blank Spike met requirements for all compounds.

The Duplicate analysis met criteria for all compounds.

The Matrix Spike analysis met criteria for all compounds.

The Matrix Spike Duplicate analysis met criteria for all compounds.

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

The Calibration met the requirements.

The Serial Dilution met the acceptable requirements.

E. Additional Comments:

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

APPROVED

Signature By Nimisha Pandya, QA/QC Supervisor at 12:54 pm, Sep 15, 2025



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CASE NARRATIVE

VERINA CONSULTING GROUP, LLC

Project Name: Rotor Clip NJ WTD - 2025

Project # N/A

Order ID # Q3020

Test Name: Ammonia,BOD5,COD,Oil and Grease,Residual Chlorine,TSS

A. Number of Samples and Date of Receipt:

4 Water samples were received on 09/04/2025.

B. Parameters:

According to the Chain of Custody document, the following analyses were requested: Ammonia,BOD5,COD,Oil and Grease,Residual Chlorine,TSS. This data package contains results for Ammonia,BOD5,COD,Oil and Grease,Residual Chlorine,TSS.

C. Analytical Techniques:

The analysis of Oil and Grease was based on method 1664A, The analysis of TSS was based on method SM2540 D, The analysis of Residual Chlorine was based on method SM4500 Cl G, The analysis of Ammonia was based on method SM4500-NH3, The analysis of BOD5 was based on method SM5210 B and The analysis of COD was based on method SM5220 D.

D. QA/ QC Samples:

The Holding Times were met for all samples except for WATER-TREATMENT DISCHARGE of Residual Chlorine as sample was receive out of holding time.

The Blank Spike met requirements for all compounds.

The Duplicate (WATER-TREATMEN DISCHARGEDUP) analysis met criteria for all compounds except for Residual Chlorine due to sample matrix interference.

The Matrix Spike analysis met criteria for all compounds.

The Matrix Spike Duplicate analysis met criteria for all compounds.

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

The Calibration met the requirements.

E. Additional Comments:

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

Signature_____

APPROVED

By Nimisha Pandya, QA/QC Supervisor at 12:54 pm, Sep 15, 2025

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 #: Q3020

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: 09/15/2025

Hit Summary Sheet
SW-846

SDG No.: Q3020 **Order ID:** Q3020
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								
Q3020-01	WATER-TREATMENT DISCHA	Water	Chromium	168		1.06	5.00	ug/L
Q3020-01	WATER-TREATMENT DISCHA	Water	Copper	6.46	J	2.30	10.0	ug/L
Q3020-01	WATER-TREATMENT DISCHA	Water	Nickel	10.4	J	1.53	20.0	ug/L
Q3020-01	WATER-TREATMENT DISCHA	Water	Zinc	506		8.33	20.0	ug/L



SAMPLE DATA

Report of Analysis

Client:	VERINA CONSULTING GROUP, LLC	Date Collected:	09/04/25
Project:	Rotor Clip NJ WTD - 2025	Date Received:	09/04/25
Client Sample ID:	WATER-TREATMENT DISCHARGE	SDG No.:	Q3020
Lab Sample ID:	Q3020-01	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	168		1	1.06	5.00	ug/L	09/05/25 10:15	09/08/25 14:06	6010D	SW3010
7440-50-8	Copper	6.46	J	1	2.30	10.0	ug/L	09/05/25 10:15	09/08/25 14:06	6010D	SW3010
7440-02-0	Nickel	10.4	J	1	1.53	20.0	ug/L	09/05/25 10:15	09/08/25 14:06	6010D	SW3010
7440-66-6	Zinc	506		1	8.33	20.0	ug/L	09/05/25 10:15	09/08/25 14:06	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.: Q3020

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	09/08/2025	12:18	LB137113
	Copper	4.60	+/-10	U	20.0	P	09/08/2025	12:18	LB137113
	Nickel	3.06	+/-20	U	40.0	P	09/08/2025	12:18	LB137113
	Zinc	16.7	+/-20	U	40.0	P	09/08/2025	12:18	LB137113

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: VERINA CONSULTING GROUP, LLC

SDG No.: Q3020

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	09/08/2025	12:47	LB137113
	Copper	4.60	+/-10	U	20.0	P	09/08/2025	12:47	LB137113
	Nickel	3.06	+/-20	U	40.0	P	09/08/2025	12:47	LB137113
	Zinc	16.7	+/-20	U	40.0	P	09/08/2025	12:47	LB137113
CCB02	Chromium	2.12	+/-5	U	10.0	P	09/08/2025	13:40	LB137113
	Copper	4.60	+/-10	U	20.0	P	09/08/2025	13:40	LB137113
	Nickel	3.06	+/-20	U	40.0	P	09/08/2025	13:40	LB137113
	Zinc	16.7	+/-20	U	40.0	P	09/08/2025	13:40	LB137113
CCB03	Chromium	2.12	+/-5	U	10.0	P	09/08/2025	14:54	LB137113
	Copper	4.60	+/-10	U	20.0	P	09/08/2025	14:54	LB137113
	Nickel	3.06	+/-20	U	40.0	P	09/08/2025	14:54	LB137113
	Zinc	16.7	+/-20	U	40.0	P	09/08/2025	14:54	LB137113
CCB04	Chromium	2.12	+/-5	U	10.0	P	09/08/2025	15:52	LB137113
	Copper	4.60	+/-10	U	20.0	P	09/08/2025	15:52	LB137113
	Nickel	3.06	+/-20	U	40.0	P	09/08/2025	15:52	LB137113
	Zinc	16.7	+/-20	U	40.0	P	09/08/2025	15:52	LB137113
CCB05	Chromium	2.12	+/-5	U	10.0	P	09/08/2025	16:17	LB137113
	Copper	4.60	+/-10	U	20.0	P	09/08/2025	16:17	LB137113
	Nickel	3.06	+/-20	U	40.0	P	09/08/2025	16:17	LB137113
	Zinc	16.7	+/-20	U	40.0	P	09/08/2025	16:17	LB137113

Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: VERINA CONSULTING GROUP, LLC

SDG No.: Q3020

Instrument: P4

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB169575BL	WATER			Batch Number:	PB169575		Prep Date:	09/05/2025	
	Chromium	1.06	<2.5	U	5.00	P	09/08/2025	13:57	LB137113
	Copper	2.30	<5	U	10.0	P	09/08/2025	13:57	LB137113
	Nickel	1.53	<10	U	20.0	P	09/08/2025	13:57	LB137113
	Zinc	8.33	<10	U	20.0	P	09/08/2025	13:57	LB137113

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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.: Q3020

Lab Code: ACE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV01	Chromium	794	800	99	90 - 110	P	09/08/2025	12:08	LB137113
	Copper	991	1000	99	90 - 110	P	09/08/2025	12:08	LB137113
	Nickel	1930	2000	96	90 - 110	P	09/08/2025	12:08	LB137113
	Zinc	1970	2000	98	90 - 110	P	09/08/2025	12:08	LB137113

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: VERINA CONSULTING GROUP, LLC

SDG No.: Q3020

Contract: VERI01

Lab Code: ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
LLICV01	Chromium	10.1	10.0	101	80 - 120	P	09/08/2025	12:14	LB137113
	Copper	22.0	20.0	110	80 - 120	P	09/08/2025	12:14	LB137113
	Nickel	39.9	40.0	100	80 - 120	P	09/08/2025	12:14	LB137113
	Zinc	42.5	40.0	106	80 - 120	P	09/08/2025	12:14	LB137113

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: VERINA CONSULTING GROUP, LLC

SDG No.: Q3020

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	1010	1000	101	90 - 110	P	09/08/2025	12:43	LB137113
	Copper	1250	1250	100	90 - 110	P	09/08/2025	12:43	LB137113
	Nickel	2480	2500	99	90 - 110	P	09/08/2025	12:43	LB137113
	Zinc	2530	2500	101	90 - 110	P	09/08/2025	12:43	LB137113
CCV02	Chromium	993	1000	99	90 - 110	P	09/08/2025	13:36	LB137113
	Copper	1250	1250	100	90 - 110	P	09/08/2025	13:36	LB137113
	Nickel	2460	2500	99	90 - 110	P	09/08/2025	13:36	LB137113
	Zinc	2500	2500	100	90 - 110	P	09/08/2025	13:36	LB137113
CCV03	Chromium	970	1000	97	90 - 110	P	09/08/2025	14:42	LB137113
	Copper	1240	1250	99	90 - 110	P	09/08/2025	14:42	LB137113
	Nickel	2430	2500	97	90 - 110	P	09/08/2025	14:42	LB137113
	Zinc	2470	2500	99	90 - 110	P	09/08/2025	14:42	LB137113
CCV04	Chromium	993	1000	99	90 - 110	P	09/08/2025	15:44	LB137113
	Copper	1260	1250	100	90 - 110	P	09/08/2025	15:44	LB137113
	Nickel	2460	2500	98	90 - 110	P	09/08/2025	15:44	LB137113
	Zinc	2500	2500	100	90 - 110	P	09/08/2025	15:44	LB137113
CCV05	Chromium	983	1000	98	90 - 110	P	09/08/2025	16:13	LB137113
	Copper	1240	1250	99	90 - 110	P	09/08/2025	16:13	LB137113
	Nickel	2430	2500	97	90 - 110	P	09/08/2025	16:13	LB137113
	Zinc	2490	2500	99	90 - 110	P	09/08/2025	16:13	LB137113



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Metals

- 2b -

CRDL STANDARD FOR AA & ICP

Client: VERINA CONSULTING GROUP, LLC

SDG No.: Q3020

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	10.3	10.0	103	65 - 135	P	09/08/2025	12:22	LB137113
	Copper	22.0	20.0	110	65 - 135	P	09/08/2025	12:22	LB137113
	Nickel	39.6	40.0	99	65 - 135	P	09/08/2025	12:22	LB137113
	Zinc	42.4	40.0	106	65 - 135	P	09/08/2025	12:22	LB137113

Metals
- 4 -
INTERFERENCE CHECK SAMPLE

Client: <u>VERINA CONSULTING GROUP, LLC</u>	SDG No.: <u>Q3020</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	57.7	52.0	111	42	62	09/08/2025	12:27	LB137113
	Copper	-4.30	2.0	215	-18	22	09/08/2025	12:27	LB137113
	Nickel	8.14	2.0	407	-38	42	09/08/2025	12:27	LB137113
	Zinc	4.18			-40	40	09/08/2025	12:27	LB137113
ICSAB01	Chromium	586	542	108	460	624	09/08/2025	12:31	LB137113
	Copper	483	511	94	434	588	09/08/2025	12:31	LB137113
	Nickel	986	954	103	810	1100	09/08/2025	12:31	LB137113
	Zinc	1060	952	111	809	1095	09/08/2025	12:31	LB137113



METAL QC DATA

metals
- 5a -
MATRIX SPIKE SUMMARY

client: <u>VERINA CONSULTING GROUP, LLC</u>	level: <u>low</u>	sdg no.: <u>Q3020</u>
contract: <u>VERI01</u>		lab code: <u>ACE</u>
matrix: <u>Water</u>	sample id: <u>Q3020-01</u>	client id: <u>WATER-TREATMENT DISCHARGEMS</u>
Percent Solids for Sample: <u>NA</u>	Spiked ID: <u>Q3020-01MS</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	370		168		200	101		P
Copper	ug/L	75 - 125	148		6.46	J	150	94		P
Nickel	ug/L	75 - 125	264		10.4	J	250	101		P
Zinc	ug/L	75 - 125	633		506		100	127		P

metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: <u>VERINA CONSULTING GROUP, LLC</u>	level: <u>low</u>	sdg no.: <u>Q3020</u>
contract: <u>VERI01</u>		lab code: <u>ACE</u>
matrix: <u>Water</u>	sample id: <u>Q3020-01</u>	client id: <u>WATER-TREATMENT DISCHARGEMSD</u>
Percent Solids for Sample: <u>NA</u>	Spiked ID: <u>Q3020-01MSD</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	366		168		200	99		P
Copper	ug/L	75 - 125	145		6.46	J	150	92		P
Nickel	ug/L	75 - 125	259		10.4	J	250	99		P
Zinc	ug/L	75 - 125	627		506		100	121		P

Metals
- 5b -

Client:

VERINA CONSULTING GROUP, LLC

SDG No.:

Q3020

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.:** Q3020
Contract: VERI01 **Lab Code:** ACE
Matrix: Water **Sample ID:** Q3020-01 **Client ID:** WATER-TREATMENT DISCHARGEDU
Percent Solids for Sample: NA **Duplicate ID** Q3020-01DUP **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Chromium	ug/L	20	168		166		1		P
Copper	ug/L	20	6.46	J	6.12	J	5		P
Nickel	ug/L	20	10.4	J	10.4	J	1		P
Zinc	ug/L	20	506		501		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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DUPLICATE SAMPLE SUMMARY

Client: VERINA CONSULTING GROUP, LLC **Level:** LOW **SDG No.:** Q3020
Contract: VERI01 **Lab Code:** ACE
Matrix: Water **Sample ID:** Q3020-01MS **Client ID:** WATER-TREATMENT DISCHARGEMS
Percent Solids for Sample: NA **Duplicate ID** Q3020-01MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Chromium	ug/L	20	370		366		1		P
Copper	ug/L	20	148		145		2		P
Nickel	ug/L	20	264		259		2		P
Zinc	ug/L	20	633		627		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: VERINA CONSULTING GROUP, LLC SDG No.: Q3020
 Contract: VERI01 Lab Code: ACE

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB169575BS							
Chromium	ug/L	200	194		97	80 - 120	P
Copper	ug/L	150	151		101	80 - 120	P
Nickel	ug/L	250	239		96	80 - 120	P
Zinc	ug/L	100	100		100	80 - 120	P

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Metals
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ICP SERIAL DILUTIONS

SAMPLE NO.

WATER-TREATMENT DISCHARGEL

Lab Name: Alliance **Contract:** VERI01
Lab Code: ACE **Lb No.:** lb137113 **Lab Sample ID :** Q3020-01L **SDG No.:** Q3020
Matrix (soil/water): Water **Level (low/med):** LOW
Concentration Units: ug/L

Analyte	Initial Sample Result (I)		Serial Dilution Result (S)		% Differ-ence		Q	M
	C		C					
Chromium	168		169		0			P
Copper	6.46	J	50.0	U	100.0			P
Nickel	10.4	J	10.0	J	3			P
Zinc	506		492		3			P

metals
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ANALYSIS RUN LOG

Client: VERINA CONSULTING GROUP, LLC

Contract: VERI01

Lab code: ACE

Sdg no.: Q3020

Instrument id number:

Method:

Run number: LB137113

Start date: 09/08/2025

End date: 09/08/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1143	Cr,Cu,Ni,Zn
S1	S1	1	1147	Cr,Cu,Ni,Zn
S2	S2	1	1151	Cr,Cu,Ni,Zn
S3	S3	1	1155	Cr,Cu,Ni,Zn
S4	S4	1	1159	Cr,Cu,Ni,Zn
S5	S5	1	1203	Cr,Cu,Ni,Zn
ICV01	ICV01	1	1208	Cr,Cu,Ni,Zn
LLICV01	LLICV01	1	1214	Cr,Cu,Ni,Zn
ICB01	ICB01	1	1218	Cr,Cu,Ni,Zn
CRI01	CRI01	1	1222	Cr,Cu,Ni,Zn
ICSA01	ICSA01	1	1227	Cr,Cu,Ni,Zn
ICSAB01	ICSAB01	1	1231	Cr,Cu,Ni,Zn
CCV01	CCV01	1	1243	Cr,Cu,Ni,Zn
CCB01	CCB01	1	1247	Cr,Cu,Ni,Zn
CCV02	CCV02	1	1336	Cr,Cu,Ni,Zn
CCB02	CCB02	1	1340	Cr,Cu,Ni,Zn
PB169575BL	PB169575BL	1	1357	Cr,Cu,Ni,Zn
Q3020-01	WATER-TREATMENT DISCH#	1	1406	Cr,Cu,Ni,Zn
Q3020-01DUP	WATER-TREATMENT DISCH#	1	1410	Cr,Cu,Ni,Zn
Q3020-01L	WATER-TREATMENT DISCH#	5	1414	Cr,Cu,Ni,Zn
Q3020-01MS	WATER-TREATMENT DISCH#	1	1419	Cr,Cu,Ni,Zn
Q3020-01MSD	WATER-TREATMENT DISCH#	1	1423	Cr,Cu,Ni,Zn
CCV03	CCV03	1	1442	Cr,Cu,Ni,Zn
CCB03	CCB03	1	1454	Cr,Cu,Ni,Zn
PB169575BS	PB169575BS	1	1515	Cr,Cu,Ni,Zn
CCV04	CCV04	1	1544	Cr,Cu,Ni,Zn
CCB04	CCB04	1	1552	Cr,Cu,Ni,Zn
CCV05	CCV05	1	1613	Cr,Cu,Ni,Zn
CCB05	CCB05	1	1617	Cr,Cu,Ni,Zn



METAL PREPARATION & INSTRUMENT DATA

Metals

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ICP INTERELEMENT CORRECTION FACTORS

Client: VERINA CONSULTING GROUP, LLC

SDG No.: Q3020

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.: Q3020

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

Metals

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ICP INTERELEMENT CORRECTION FACTORS

Client: VERINA CONSULTING GROUP, LLC

SDG No.: Q3020

Contract: VERI01

Lab Code: ACE

Instrument ID:

Date:

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

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

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Metals

- 11 -

ICP INTERELEMENT CORRECTION FACTORS

Client: VERINA CONSULTING GROUP, LLC

SDG No.: Q3020

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:				
		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.: Q3020

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

LAB CHRONICLE

OrderID:	Q3020	OrderDate:	9/4/2025 11:33:00 AM
Client:	VERINA CONSULTING GROUP, LLC	Project:	Rotor Clip NJ WTD - 2025
Contact:	Michael Valenzi	Location:	J11

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3020-01	WATER-TREATMENT DISCHARGE	Water	Metals Group4	6010D	09/04/25	09/05/25	09/08/25	09/04/25



METAL PREPARATION & ANALYICAL SUMMARY

Metals
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SAMPLE PREPARATION SUMMARY

Client: VERINA CONSULTING GROUP, LLC **SDG No.:** Q3020
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: PB169575							
PB169575BL	PB169575BL	MB	WATER	09/05/2025	50.0	25.0	
PB169575BS	PB169575BS	LCS	WATER	09/05/2025	50.0	25.0	
Q3020-01	WATER-TREATMENT DISCHARGE	SAM	WATER	09/05/2025	50.0	25.0	
Q3020-01DUP	WATER-TREATMENT DISCHARGEDUP	DUP	WATER	09/05/2025	50.0	25.0	
Q3020-01MS	WATER-TREATMENT DISCHARGEMS	MS	WATER	09/05/2025	50.0	25.0	
Q3020-01MSD	WATER-TREATMENT DISCHARGEMSD	MSD	WATER	09/05/2025	50.0	25.0	

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB137113

Review By	Janvi	Review On	9/9/2025 10:09:40 AM
Supervise By	jaswal	Supervise On	9/9/2025 4:15:07 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	09/08/25 11:43		Jaswal	OK
2	S1	S1	CAL2	09/08/25 11:47		Jaswal	OK
3	S2	S2	CAL3	09/08/25 11:51		Jaswal	OK
4	S3	S3	CAL4	09/08/25 11:55		Jaswal	OK
5	S4	S4	CAL5	09/08/25 11:59		Jaswal	OK
6	S5	S5	CAL6	09/08/25 12:03		Jaswal	OK
7	ICV01	ICV01	ICV	09/08/25 12:08		Jaswal	OK
8	LLICV01	LLICV01	LLICV	09/08/25 12:14		Jaswal	OK
9	ICB01	ICB01	ICB	09/08/25 12:18		Jaswal	OK
10	CRI01	CRI01	CRDL	09/08/25 12:22		Jaswal	OK
11	ICSA01	ICSA01	ICSA	09/08/25 12:27		Jaswal	OK
12	ICSAB01	ICSAB01	ICSAB	09/08/25 12:31		Jaswal	OK
13	ICSADL	ICSADL	ICSA	09/08/25 12:35		Jaswal	OK
14	ICSABDL	ICSABDL	ICSAB	09/08/25 12:39		Jaswal	OK
15	CCV01	CCV01	CCV	09/08/25 12:43		Jaswal	OK
16	CCB01	CCB01	CCB	09/08/25 12:47		Jaswal	OK
17	LR-1	LR-1	HIGH STD	09/08/25 12:52		Jaswal	OK
18	LR-2	LR-2	HIGH STD	09/08/25 12:56		Jaswal	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB137113

Review By	Janvi	Review On	9/9/2025 10:09:40 AM
Supervise By	jaswal	Supervise On	9/9/2025 4:15:07 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	LR-3	LR-3	HIGH STD	09/08/25 13:01		Jaswal	OK
20	PB169577BS	PB169577BS	LCS	09/08/25 13:10		Jaswal	OK
21	PB169556TB	PB169556TB	MB	09/08/25 13:14		Jaswal	OK
22	Q3023-02	TP-1	SAM	09/08/25 13:19		Jaswal	OK
23	Q3023-05	TP-2	SAM	09/08/25 13:23		Jaswal	OK
24	Q3023-05DUP	TP-2DUP	DUP	09/08/25 13:27		Jaswal	OK
25	Q3023-05L	TP-2L	SD	09/08/25 13:32		Jaswal	OK
26	CCV02	CCV02	CCV	09/08/25 13:36		Jaswal	OK
27	CCB02	CCB02	CCB	09/08/25 13:40		Jaswal	OK
28	Q3023-05MS	TP-2MS	MS	09/08/25 13:45		Jaswal	OK
29	Q3023-05MSD	TP-2MSD	MSD	09/08/25 13:49		Jaswal	OK
30	Q3023-05A	TP-2A	PS	09/08/25 13:53	0.1ml of each M6008 and M6017 in 10ml sample.	Jaswal	OK
31	PB169575BL	PB169575BL	MB	09/08/25 13:57		Jaswal	OK
32	Q3020-01	WATER-TREATMENT	SAM	09/08/25 14:06		Jaswal	OK
33	Q3020-01DUP	WATER-TREATMENT	DUP	09/08/25 14:10		Jaswal	OK
34	Q3020-01L	WATER-TREATMENT	SD	09/08/25 14:14		Jaswal	OK
35	Q3020-01MS	WATER-TREATMENT	MS	09/08/25 14:19		Jaswal	OK
36	Q3020-01MSD	WATER-TREATMENT	MSD	09/08/25 14:23		Jaswal	OK
37	CCV03	CCV03	CCV	09/08/25 14:42		Jaswal	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB137113

Review By	Janvi	Review On	9/9/2025 10:09:40 AM
Supervise By	jaswal	Supervise On	9/9/2025 4:15:07 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	CCB03	CCB03	CCB	09/08/25 14:54		Jaswal	OK
39	Q3020-01A	WATER-TREATMENT	PS	09/08/25 14:58	0.1ml of each M6008 and M6017 in 10ml sample.	Jaswal	OK
40	Q3022-01	1413	SAM	09/08/25 15:02		Jaswal	OK
41	PB169577BL	PB169577BL	MB	09/08/25 15:11		Jaswal	OK
42	PB169575BS	PB169575BS	LCS	09/08/25 15:15		Jaswal	OK
43	PB169595BL	PB169595BL	MB	09/08/25 15:19		Jaswal	OK
44	PB169595BS	PB169595BS	LCS	09/08/25 15:24		Jaswal	OK
45	Q3031-01	PL-01-09052025	SAM	09/08/25 15:28		Jaswal	OK
46	Q3032-01	SOIL-PILE-1	SAM	09/08/25 15:32		Jaswal	OK
47	Q3032-04	SOIL-PILE-2	SAM	09/08/25 15:36		Jaswal	OK
48	Q3032-04DUP	SOIL-PILE-2DUP	DUP	09/08/25 15:40		Jaswal	OK
49	CCV04	CCV04	CCV	09/08/25 15:44		Jaswal	OK
50	CCB04	CCB04	CCB	09/08/25 15:52		Jaswal	OK
51	Q3032-04L	SOIL-PILE-2L	SD	09/08/25 15:57		Jaswal	OK
52	Q3032-04MS	SOIL-PILE-2MS	MS	09/08/25 16:01		Jaswal	OK
53	Q3032-04MSD	SOIL-PILE-2MSD	MSD	09/08/25 16:05		Jaswal	OK
54	Q3032-04A	SOIL-PILE-2A	PS	09/08/25 16:09	0.1ml of each M6008 and M6017 in 10ml sample.	Jaswal	OK
55	CCV05	CCV05	CCV	09/08/25 16:13		Jaswal	OK
56	CCB05	CCB05	CCB	09/08/25 16:17		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 BLOCK #1 2. N/A

Start Digest Date: 09/05/2025 Time : 10:15 Temp : 96 °C

End Digest Date: 09/05/2025 Time : 13:25 Temp : 96 °C

Digestion tube ID: M5595

Block thermometer ID: MET-DIG. #1

Dig Technician Signature: *SPS*

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	MP85156
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

HOT BLOCK#1 CELL#50 96 C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
09/05/25 14:25	<i>SPS. met. dig</i>	<i>[Signature]</i> (met. dig)
	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
PB169575BL	PBW575	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	11
PB169575BS	LCS575	<2	50	25	Colorless	Colorless	Clear	Clear	M6180,M6181	12
Q3020-01MS	WATER-TREATMEN DISCHARGE MS	<2	50	25	Colorless	Colorless	Clear	Clear	M6180,M6181	15
Q3020-01MSD	WATER-TREATMEN DISCHARGE MSD	<2	50	25	Colorless	Colorless	Clear	Clear	M6180,M6181	16
Q3020-01DUP	WATER-TREATMEN DISCHARGE DUP	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	14
Q3020-01	WATER-TREATMEN DISCHARGE	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	13
Q3022-01	1413	<2	50	25	Brown	ligh Brown	Cloudy	Clear	N/A	17



SAMPLE DATA

Report of Analysis

Client:	VERINA CONSULTING GROUP, LLC	Date Collected:	09/04/25 10:38
Project:	Rotor Clip NJ WTD - 2025	Date Received:	09/04/25
Client Sample ID:	WATER-TREATMENT DISCHARGE	SDG No.:	Q3020
Lab Sample ID:	Q3020-01	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Ammonia as N	0.30		1	0.030	0.10	mg/L	09/08/25 08:05	09/08/25 12:03	SM 4500-NH3 B plus G-21
BOD5	51.0		1	0.20	2.00	mg/L		09/05/25 09:50	SM 5210 B-16
COD	61.3		1	1.50	10.0	mg/L		09/08/25 13:37	SM 5220 D-11
Residual Chlorine	0.035	HJ	1	0.023	0.10	mg/L		09/05/25 10:27	SM 4500-Cl G-11
TSS	16.2		1	1.00	4.00	mg/L		09/08/25 14:00	SM 2540 D-20

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

Report of Analysis

Client:	VERINA CONSULTING GROUP, LLC	Date Collected:	09/04/25 10:33
Project:	Rotor Clip NJ WTD - 2025	Date Received:	09/04/25
Client Sample ID:	WATER-TREATMENT DISCHARGE	SDG No.:	Q3020
Lab Sample ID:	Q3020-02	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Oil and Grease	10.7		1	0.29	5.00	mg/L		09/05/25 10:00	1664A

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.: Q3020

Project: Rotor Clip NJ WTD - 2025

RunNo.: LB137088

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV Residual Chlorine	mg/L	0.419	0.4	105	90-110	09/05/2025
Sample ID: CCV1 Residual Chlorine	mg/L	0.379	0.4	95	90-110	09/05/2025
Sample ID: CCV2 Residual Chlorine	mg/L	0.419	0.4	105	90-110	09/05/2025

Initial and Continuing Calibration Verification

Client: VERINA CONSULTING GROUP, LLC

SDG No.: Q3020

Project: Rotor Clip NJ WTD - 2025

RunNo.: LB137105

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV1 Ammonia as N	mg/L	1	1	100	90-110	09/08/2025
Sample ID: CCV1 Ammonia as N	mg/L	0.99	1	99	90-110	09/08/2025
Sample ID: CCV2 Ammonia as N	mg/L	1	1	100	90-110	09/08/2025
Sample ID: CCV3 Ammonia as N	mg/L	1	1	100	90-110	09/08/2025
Sample ID: CCV4 Ammonia as N	mg/L	1	1	100	90-110	09/08/2025

Initial and Continuing Calibration Verification

Client: VERINA CONSULTING GROUP, LLC

SDG No.: Q3020

Project: Rotor Clip NJ WTD - 2025

RunNo.: LB137109

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV COD	mg/L	50.173	50	100	95-105	09/08/2025
Sample ID: CCV1 COD	mg/L	48.150	50	96	95-105	09/08/2025
Sample ID: CCV2 COD	mg/L	51.184	50	102	95-105	09/08/2025
Sample ID: CCV3 COD	mg/L	50.173	50	100	95-105	09/08/2025

Initial and Continuing Calibration Blank Summary

Client: VERINA CONSULTING GROUP, LLC

SDG No.: Q3020

Project: Rotor Clip NJ WTD - 2025

RunNo.: LB137088

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	09/05/2025
Sample ID: CCB1 Residual Chlorine	mg/L	< 0.0500	0.0500	U	0.023	0.1	09/05/2025
Sample ID: CCB2 Residual Chlorine	mg/L	< 0.0500	0.0500	U	0.023	0.1	09/05/2025

Initial and Continuing Calibration Blank Summary

Client: VERINA CONSULTING GROUP, LLC

SDG No.: Q3020

Project: Rotor Clip NJ WTD - 2025

RunNo.: LB137105

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	09/08/2025
Sample ID: CCB1 Ammonia as N	mg/L	< 0.0500	0.0500	U	0.030	0.1	09/08/2025
Sample ID: CCB2 Ammonia as N	mg/L	< 0.0500	0.0500	U	0.030	0.1	09/08/2025
Sample ID: CCB3 Ammonia as N	mg/L	< 0.0500	0.0500	U	0.030	0.1	09/08/2025
Sample ID: CCB4 Ammonia as N	mg/L	< 0.0500	0.0500	U	0.030	0.1	09/08/2025

Initial and Continuing Calibration Blank Summary

Client: VERINA CONSULTING GROUP, LLC

SDG No.: Q3020

Project: Rotor Clip NJ WTD - 2025

RunNo.: LB137109

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: ICB COD	mg/L	< 5.0000	5.0000	U	1.50	10	09/08/2025
Sample ID: CCB1 COD	mg/L	< 5.0000	5.0000	U	1.50	10	09/08/2025
Sample ID: CCB2 COD	mg/L	< 5.0000	5.0000	U	1.50	10	09/08/2025
Sample ID: CCB3 COD	mg/L	< 5.0000	5.0000	U	1.50	10	09/08/2025

A

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Preparation Blank Summary

Client: VERINA CONSULTING GROUP, LLC

SDG No.: Q3020

Project: Rotor Clip NJ WTD - 2025

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: LB137083BL Oil and Grease	mg/L	< 2.5000	2.5000	U	0.29	5.0	09/05/2025
Sample ID: LB137088BL Residual Chlorine	mg/L	< 0.0500	0.0500	U	0.023	0.1	09/05/2025
Sample ID: LB137092BL BOD5	mg/L	< 0.2000	0.2000	U	0.20	2.0	09/05/2025
Sample ID: LB137104BL TSS	mg/L	1	2.0000	J	1	4	09/08/2025
Sample ID: LB137109BL COD	mg/L	< 5.0000	5.0000	U	1.5	10.0	09/08/2025
Sample ID: PB169587BL Ammonia as N	mg/L	< 0.0500	0.0500	U	0.03	0.1	09/08/2025

Matrix Spike Summary

Client:	VERINA CONSULTING GROUP, LLC	SDG No.:	Q3020
Project:	Rotor Clip NJ WTD - 2025	Sample ID:	Q3020-01
Client ID:	WATER-TREATMENT DISCHARGEMS	Percent Solids for Spike Sample:	0

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Ammonia as N	mg/L	75-125	1.20		0.30		1	1	90		09/08/2025
COD	mg/L	75-125	106		61.3		50.0	1	89		09/08/2025
Residual Chlorine	mg/L	71-148	0.41		0.035	J	0.4	1	94		09/05/2025

Matrix Spike Summary

Client:	VERINA CONSULTING GROUP, LLC	SDG No.:	Q3020
Project:	Rotor Clip NJ WTD - 2025	Sample ID:	Q3020-01
Client ID:	WATER-TREATMENT DISCHARGEMSD	Percent Solids for Spike Sample:	0

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Ammonia as N	mg/L	75-125	1.20		0.30		1	1	90		09/08/2025
COD	mg/L	75-125	107		61.3		50.0	1	91		09/08/2025
Residual Chlorine	mg/L	71-148	0.40		0.035	J	0.4	1	91		09/05/2025

Matrix Spike Summary

Client:	VERINA CONSULTING GROUP, LLC	SDG No.:	Q3020
Project:	Rotor Clip NJ WTD - 2025	Sample ID:	Q3020-02
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
Oil and Grease	mg/L	78-114	30.8		10.7		20.0	1	101		09/05/2025

Matrix Spike Summary

Client:	VERINA CONSULTING GROUP, LLC	SDG No.:	Q3020
Project:	Rotor Clip NJ WTD - 2025	Sample ID:	Q3020-02
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
Oil and Grease	mg/L	78-114	30.9		10.7		20.0	1	101		09/05/2025

Matrix Spike Summary

Client:

VERINA CONSULTING GROUP, LLC

Project:

Rotor Clip NJ WTD - 2025

Client ID:

Q3028-1MS

SDG No.:

Q3020

Sample ID:

Q3028-01

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
Oil and Grease	mg/L	78-114	30.5		10.3		20.0	1	101		09/05/2025

Matrix Spike Summary

Client:	VERINA CONSULTING GROUP, LLC	SDG No.:	Q3020
Project:	Rotor Clip NJ WTD - 2025	Sample ID:	Q3028-01
Client ID:	Q3028-1MSD	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
Oil and Grease	mg/L	78-114	30.6		10.3		20.0	1	102		09/05/2025

Duplicate Sample Summary

Client:	VERINA CONSULTING GROUP, LLC	SDG No.:	Q3020
Project:	Rotor Clip NJ WTD - 2025	Sample ID:	Q3007-02
Client ID:	CompDUP	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
BOD5	mg/L	+/-20	846		827		1	2.23		09/05/2025
TSS	mg/L	+/-5	228		226		1	0.88		09/08/2025

Duplicate Sample Summary

Client:	VERINA CONSULTING GROUP, LLC	SDG No.:	Q3020
Project:	Rotor Clip NJ WTD - 2025	Sample ID:	Q3020-01
Client ID:	WATER-TREATMEN 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	0.035	J	0.045	J	1	25	*	09/05/2025
Ammonia as N	mg/L	+/-20	0.30		0.30		1	0		09/08/2025
COD	mg/L	+/-20	61.3		60.3		1	1.64		09/08/2025

Duplicate Sample Summary

Client:	VERINA CONSULTING GROUP, LLC	SDG No.:	Q3020
Project:	Rotor Clip NJ WTD - 2025	Sample ID:	Q3020-01
Client ID:	WATER-TREATMENT DISCHARGEMSD	Percent Solids for Spike Sample:	0

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/AD	Qual	Analysis Date
Residual Chlorine	mg/L	+/-20	0.41		0.40		1	2.48		09/05/2025
Ammonia as N	mg/L	+/-20	1.20		1.20		1	0		09/08/2025
COD	mg/L	+/-20	106		107		1	0.94		09/08/2025

Duplicate Sample Summary

Client:	VERINA CONSULTING GROUP, LLC	SDG No.:	Q3020
Project:	Rotor Clip NJ WTD - 2025	Sample ID:	Q3020-02
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
Oil and Grease	mg/L	+/-18	30.8		30.9		1	0.32		09/05/2025

Duplicate Sample Summary

Client:	VERINA CONSULTING GROUP, LLC	SDG No.:	Q3020
Project:	Rotor Clip NJ WTD - 2025	Sample ID:	Q3028-01
Client ID:	Q3028-1MSD	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
Oil and Grease	mg/L	+/-18	30.5		30.6		1	0.33		09/05/2025

Laboratory Control Sample Summary

Client:	VERINA CONSULTING GROUP, LLC	SDG No.:	Q3020
Project:	Rotor Clip NJ WTD - 2025	Run No.:	LB137083

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LB137083BS							
Oil and Grease	mg/L	20.0	17.0		85	1	78-114	09/05/2025

Laboratory Control Sample Summary

Client:	VERINA CONSULTING GROUP, LLC	SDG No.:	Q3020
Project:	Rotor Clip NJ WTD - 2025	Run No.:	LB137088

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LB137088BS							
Residual Chlorine	mg/L	0.4	0.41		102	1	90-110	09/05/2025

Laboratory Control Sample Summary

Client:	VERINA CONSULTING GROUP, LLC	SDG No.:	Q3020
Project:	Rotor Clip NJ WTD - 2025	Run No.:	LB137092

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LB137092BS							
BOD5	mg/L	198	201		102	1	84.6-115.4	09/05/2025

Laboratory Control Sample Summary

Client:	VERINA CONSULTING GROUP, LLC	SDG No.:	Q3020
Project:	Rotor Clip NJ WTD - 2025	Run No.:	LB137104

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LB137104BS							
TSS	mg/L	550	531		96	1	90-110	09/08/2025

Laboratory Control Sample Summary

Client:	VERINA CONSULTING GROUP, LLC	SDG No.:	Q3020
Project:	Rotor Clip NJ WTD - 2025	Run No.:	LB137109

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LB137109BS							
COD	mg/L	50	51.2		102	1	90-110	09/08/2025

Laboratory Control Sample Summary

Client:	VERINA CONSULTING GROUP, LLC	SDG No.:	Q3020
Project:	Rotor Clip NJ WTD - 2025	Run No.:	LB137105

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	PB169587BS							
Ammonia as N	mg/L	1	1.00		100	1	90-110	09/08/2025

Instrument ID: WC SC-3

Daily Analysis Runlog For Sequence/QC Batch ID # LB137083

Review By	JIGNESH	Review On	9/5/2025 9:03:21 AM
Supervise By	Iwona	Supervise On	9/5/2025 11:20:30 AM
SubDirectory	LB137083	Test	Oil and Grease
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	W3204,M6069,EP2636,WP112782,NA,NA,WP112783,N/A,WP112784		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	LB137083BL	LB137083BL	MB	09/05/25 10:00		JIGNESH	OK
2	LB137083BS	LB137083BS	LCS	09/05/25 10:00		JIGNESH	OK
3	Q3020-02	WATER-TREATMENT	SAM	09/05/25 10:00		JIGNESH	OK
4	Q3020-03	Q3020-02MS	MS	09/05/25 10:00		JIGNESH	OK
5	Q3020-04	Q3020-02MSD	MSD	09/05/25 10:00		JIGNESH	OK
6	Q3028-01	EFFLUENT	SAM	09/05/25 10:00		JIGNESH	OK
7	Q3028-02	Q3028-1MS	MS	09/05/25 10:00		JIGNESH	OK
8	Q3028-03	Q3028-1MSD	MSD	09/05/25 10:00		JIGNESH	OK

Instrument ID: SPECTROPHOTOMETER-1

Daily Analysis Runlog For Sequence/QC Batch ID # LB137088

Review By	Iwona	Review On	9/5/2025 10:58:54 AM
Supervise By	JIGNESH	Supervise On	9/5/2025 11:17:42 AM
SubDirectory	LB137088	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	WP114607,WP114606,WP114601,WP114602,WP114604,WP114599,WP114605,WP114608,WP114603,W3147		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	CAL1	CAL1	CAL	09/05/25 09:45		Iwona	OK
2	CAL2	CAL2	CAL	09/05/25 09:48		Iwona	OK
3	CAL3	CAL3	CAL	09/05/25 09:51		Iwona	OK
4	CAL4	CAL4	CAL	09/05/25 09:54		Iwona	OK
5	CAL5	CAL5	CAL	09/05/25 09:57		Iwona	OK
6	CAL6	CAL6	CAL	09/05/25 10:00		Iwona	OK
7	ICV	ICV	ICV	09/05/25 10:03		Iwona	OK
8	ICB	ICB	ICB	09/05/25 10:06		Iwona	OK
9	CCV1	CCV1	CCV	09/05/25 10:09		Iwona	OK
10	CCB1	CCB1	CCB	09/05/25 10:12		Iwona	OK
11	LB137088BL	LB137088BL	MB	09/05/25 10:15		Iwona	OK
12	LB137088BS	LB137088BS	LCS	09/05/25 10:18		Iwona	OK
13	Q2893-07	LOD-MDL-WATER-01	SAM	09/05/25 10:21		Iwona	OK
14	Q2893-08	LOQ-WATER-02-QT3	SAM	09/05/25 10:24		Iwona	OK
15	Q3020-01	WATER-TREATMENT	SAM	09/05/25 10:27		Iwona	OK
16	Q3020-01DUP	WATER-TREATMENT	DUP	09/05/25 10:30		Iwona	OK
17	Q3020-01MS	WATER-TREATMENT	MS	09/05/25 10:33		Iwona	OK
18	Q3020-01MSD	WATER-TREATMENT	MSD	09/05/25 10:37		Iwona	OK

Instrument ID: SPECTROPHOTOMETER-1

Daily Analysis Runlog For Sequence/QC Batch ID # LB137088

Review By	Iwona	Review On	9/5/2025 10:58:54 AM
Supervise By	JIGNESH	Supervise On	9/5/2025 11:17:42 AM
SubDirectory	LB137088	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	WP114607,WP114606,WP114601,WP114602,WP114604,WP114599,WP114605,WP114608,WP114603,W3147

19	CCV2	CCV2	CCV	09/05/25 10:40		Iwona	OK
20	CCB2	CCB2	CCB	09/05/25 10:43		Iwona	OK

Instrument ID: DO METER

Daily Analysis Runlog For Sequence/QC Batch ID # LB137092

Review By	rubina	Review On	9/11/2025 9:28:17 AM
Supervise By	Iwona	Supervise On	9/11/2025 10:03:12 AM
SubDirectory	LB137092	Test	BOD5
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	WP114623,W3149,WP112832,W3103,W3109,W3105,WP112625,WP112624,WP113878		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	LB137092BL	LB137092BL	MB	09/05/25 09:50		rubina	OK
2	LB137092BS	LB137092BS	LCS	09/05/25 09:50		rubina	OK
3	Q3007-02	Comp	SAM	09/05/25 09:50	Due to bad matrix difference between highest and lowest results is >30% for	rubina	OK
4	Q3007-02DUP	CompDUP	DUP	09/05/25 09:50	Due to bad matrix difference between highest and lowest results is >30% for	rubina	OK
5	Q3020-01	WATER-TREATMENT	SAM	09/05/25 09:50		rubina	OK
6	Q3022-01	1413	SAM	09/05/25 09:50		rubina	OK
7	Q3025-01	DSN002	SAM	09/05/25 09:50		rubina	OK
8	Q3025-03	DSN001	SAM	09/05/25 09:50		rubina	OK
9	Q3025-05	DSN003	SAM	09/05/25 09:50		rubina	OK
10	Q3028-01	EFFLUENT	SAM	09/05/25 09:50	Due to bad matrix difference between highest and lowest results is >30% for	rubina	OK
11	Q3028-05	INFLUENT	SAM	09/05/25 09:50	Due to bad matrix difference between highest and lowest results is >30% for	rubina	OK

Instrument ID: WC SC-3

Daily Analysis Runlog For Sequence/QC Batch ID # LB137104

Review By	JIGNESH	Review On	9/9/2025 3:06:22 PM
Supervise By	Iwona	Supervise On	9/9/2025 3:16:50 PM
SubDirectory	LB137104	Test	TSS
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	N/A		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	LB137104BL	LB137104BL	MB	09/08/25 14:00		JIGNESH	OK
2	LB137104BS	LB137104BS	LCS	09/08/25 14:00		JIGNESH	OK
3	Q3007-02	Comp	SAM	09/08/25 14:00		JIGNESH	OK
4	Q3007-02DUP	CompDUP	DUP	09/08/25 14:00		JIGNESH	OK
5	Q3020-01	WATER-TREATMENT	SAM	09/08/25 14:00		JIGNESH	OK
6	Q3022-01	1413	SAM	09/08/25 14:00		JIGNESH	OK
7	Q3024-01	TOWERS-1	SAM	09/08/25 14:00		JIGNESH	OK
8	Q3024-02	TOWERS-2	SAM	09/08/25 14:00		JIGNESH	OK
9	Q3025-01	DSN002	SAM	09/08/25 14:00		JIGNESH	OK
10	Q3025-03	DSN001	SAM	09/08/25 14:00		JIGNESH	OK
11	Q3025-05	DSN003	SAM	09/08/25 14:00		JIGNESH	OK
12	Q3028-01	EFFLUENT	SAM	09/08/25 14:00		JIGNESH	OK
13	Q3028-04	AERATION	SAM	09/08/25 14:00		JIGNESH	OK
14	Q3041-01	001 Willets Pt Blvd (S	SAM	09/08/25 14:00		JIGNESH	OK
15	Q3041-04	002 35th Ave(sep)	SAM	09/08/25 14:00		JIGNESH	OK

Instrument ID: KONELAB

Daily Analysis Runlog For Sequence/QC Batch ID # LB137105

Review By	rubina	Review On	9/9/2025 11:26:45 AM
Supervise By	Iwona	Supervise On	9/9/2025 1:28:02 PM
SubDirectory	LB137105	Test	Ammonia
STD. NAME	STD REF.#		
ICAL Standard	WP114648		
ICV Standard	WP114650		
CCV Standard	WP114649		
ICSA Standard	N/A		
CRI Standard	N/A		
LCS Standard	WP114257		
Chk Standard	WP114258,WP114133,WP113929,WP114132,WP114651		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	0.0PPM	0.0PPM	CAL1	09/08/25 10:38		rubina	OK
2	0.1PPM	0.1PPM	CAL2	09/08/25 10:38		rubina	OK
3	0.2PPM	0.2PPM	CAL3	09/08/25 10:38		rubina	OK
4	0.4PPM	0.4PPM	CAL4	09/08/25 10:38		rubina	OK
5	1.0PPM	1.0PPM	CAL5	09/08/25 10:38		rubina	OK
6	1.3PPM	1.3PPM	CAL6	09/08/25 10:38		rubina	OK
7	2.0PPM	2.0PPM	CAL7	09/08/25 10:38		rubina	OK
8	ICV1	ICV1	ICV	09/08/25 11:52		rubina	OK
9	ICB1	ICB1	ICB	09/08/25 11:52		rubina	OK
10	CCV1	CCV1	CCV	09/08/25 11:52		rubina	OK
11	CCB1	CCB1	CCB	09/08/25 11:52		rubina	OK
12	RL	RL	LOQ	09/08/25 11:52		rubina	OK
13	PB169587BL	PB169587BL	MB	09/08/25 12:03		rubina	OK
14	PB169587BS	PB169587BS	LCS	09/08/25 12:03		rubina	OK
15	Q3020-01	WATER-TREATMENT	SAM	09/08/25 12:03		rubina	OK
16	Q3020-01DUP	WATER-TREATMENT	DUP	09/08/25 12:03		rubina	OK
17	Q3020-01MS	WATER-TREATMENT	MS	09/08/25 12:03		rubina	OK
18	Q3020-01MSD	WATER-TREATMENT	MSD	09/08/25 12:03		rubina	OK

Instrument ID: KONELAB

Daily Analysis Runlog For Sequence/QC Batch ID # LB137105

Review By	rubina	Review On	9/9/2025 11:26:45 AM
Supervise By	Iwona	Supervise On	9/9/2025 1:28:02 PM
SubDirectory	LB137105	Test	Ammonia
STD. NAME	STD REF.#		
ICAL Standard	WP114648		
ICV Standard	WP114650		
CCV Standard	WP114649		
ICSA Standard	N/A		
CRI Standard	N/A		
LCS Standard	WP114257		
Chk Standard	WP114258,WP114133,WP113929,WP114132,WP114651		

19	Q3022-01	1413	SAM	09/08/25 12:14	NH3 is high	rubina	Dilution
20	Q3025-01	DSN002	SAM	09/08/25 12:14		rubina	OK
21	Q3025-03	DSN001	SAM	09/08/25 12:14		rubina	OK
22	CCV2	CCV2	CCV	09/08/25 12:14		rubina	OK
23	CCB2	CCB2	CCB	09/08/25 12:14		rubina	OK
24	Q3025-05	DSN003	SAM	09/08/25 12:14		rubina	OK
25	Q3028-01	EFFLUENT	SAM	09/08/25 12:14	NH3 is high	rubina	Dilution
26	Q3028-05	INFLUENT	SAM	09/08/25 12:14	NH3 is high	rubina	Dilution
27	Q2893-07	LOD-MDL-WATER-01	SAM	09/08/25 12:14		rubina	OK
28	Q2893-08	LOQ-WATER-02-QT3	LOQ	09/08/25 12:24		rubina	OK
29	PB169602BL	PB169602BL	MB	09/08/25 12:24		rubina	OK
30	PB169602BS	PB169602BS	LCS	09/08/25 12:24		rubina	OK
31	Q2893-01	LOD-MDL-SOIL-01-Q	SAM	09/08/25 12:24		rubina	OK
32	Q2893-02	LOQ-SOIL-02-QT3-20	LOQ	09/08/25 12:24		rubina	OK
33	CCV3	CCV3	CCV	09/08/25 12:33		rubina	OK
34	CCB3	CCB3	CCB	09/08/25 12:33		rubina	OK
35	Q3022-01DL	1413DL	SAM	09/08/25 12:58	5X For NH3	rubina	Confirms
36	Q3028-01DL	EFFLUENTDL	SAM	09/08/25 12:58	10X For NH3	rubina	Confirms
37	Q3028-05DL	INFLUENTDL	SAM	09/08/25 12:58	5X For NH3	rubina	Confirms
38	CCV4	CCV4	CCV	09/08/25 12:58		rubina	OK

Instrument ID: KONELAB

Daily Analysis Runlog For Sequence/QCBatch ID # LB137105

Review By	rubina	Review On	9/9/2025 11:26:45 AM
Supervise By	Iwona	Supervise On	9/9/2025 1:28:02 PM
SubDirectory	LB137105	Test	Ammonia

STD. NAME	STD REF.#
ICAL Standard	WP114648
ICV Standard	WP114650
CCV Standard	WP114649
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	WP114257
Chk Standard	WP114258,WP114133,WP113929,WP114132,WP114651

39	CCB4	CCB4	CCB	09/08/25 12:58		rubina	OK
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Instrument ID: SPECTROPHOTOMETER-2

Daily Analysis Runlog For Sequence/QC Batch ID # LB137109

Review By	Iwona	Review On	9/8/2025 3:46:17 PM
Supervise By	JIGNESH	Supervise On	9/8/2025 3:55:12 PM
SubDirectory	LB137109	Test	COD
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	WP114659,WP114658,WP114656,WP114655,WP114654,WP114660,WP114661,WP114663,WP114657,WP114662,V		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	CAL1	CAL1	CAL	09/08/25 13:30		Iwona	OK
2	CAL2	CAL2	CAL	09/08/25 13:30		Iwona	OK
3	CAL3	CAL3	CAL	09/08/25 13:31		Iwona	OK
4	CAL4	CAL4	CAL	09/08/25 13:31		Iwona	OK
5	CAL5	CAL5	CAL	09/08/25 13:32		Iwona	OK
6	CAL6	CAL6	CAL	09/08/25 13:32		Iwona	OK
7	ICV	ICV	ICV	09/08/25 13:33		Iwona	OK
8	ICB	ICB	ICB	09/08/25 13:33		Iwona	OK
9	CCV1	CCV1	CCV	09/08/25 13:34		Iwona	OK
10	CCB1	CCB1	CCB	09/08/25 13:34		Iwona	OK
11	RL Check	RL Check	RL	09/08/25 13:35		Iwona	OK
12	LB137109BL	LB137109BL	MB	09/08/25 13:35		Iwona	OK
13	LB137109BS	LB137109BS	LCS	09/08/25 13:36		Iwona	OK
14	Q2893-09	MDL-WATER-03-QT3	SAM	09/08/25 13:36		Iwona	OK
15	Q3020-01	WATER-TREATMENT	SAM	09/08/25 13:37		Iwona	OK
16	Q3020-01DUP	WATER-TREATMENT	DUP	09/08/25 13:37		Iwona	OK
17	Q3020-01MS	WATER-TREATMENT	MS	09/08/25 13:38		Iwona	OK
18	Q3020-01MSD	WATER-TREATMENT	MSD	09/08/25 13:38		Iwona	OK

Instrument ID: SPECTROPHOTOMETER-2

Daily Analysis Runlog For Sequence/QC Batch ID # LB137109

Review By	Iwona	Review On	9/8/2025 3:46:17 PM
Supervise By	JIGNESH	Supervise On	9/8/2025 3:55:12 PM
SubDirectory	LB137109	Test	COD
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	WP114659,WP114658,WP114656,WP114655,WP114654,WP114660,WP114661,WP114663,WP114657,WP114662,V		

19	Q3022-01	1413	SAM	09/08/25 13:39		Iwona	OK
20	Q3025-01	DSN002	SAM	09/08/25 13:39		Iwona	OK
21	Q3025-03	DSN001	SAM	09/08/25 13:40		Iwona	OK
22	CCV2	CCV2	CCV	09/08/25 13:40		Iwona	OK
23	CCB2	CCB2	CCB	09/08/25 13:41		Iwona	OK
24	Q3025-04	DSN001	SAM	09/08/25 13:41		Iwona	OK
25	Q3025-05	DSN003	SAM	09/08/25 13:42		Iwona	OK
26	CCV3	CCV3	CCV	09/08/25 13:42		Iwona	OK
27	CCB3	CCB3	CCB	09/08/25 13:43		Iwona	OK

LAB CHRONICLE

OrderID:	Q3020	OrderDate:	9/4/2025 11:33:00 AM
Client:	VERINA CONSULTING GROUP, LLC	Project:	Rotor Clip NJ WTD - 2025
Contact:	Michael Valenzi	Location:	J11

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3020-01	WATER-TREATMENT DISCHARGE	WATER			09/04/25 10:38	09/08/25		09/04/25
			Ammonia	SM4500-NH3			09/08/25 12:03	
			BOD5	SM5210 B			09/05/25 09:50	
			COD	SM5220 D			09/08/25 13:37	
			Residual Chlorine	SM4500 Cl G			09/05/25 10:27	
			TSS	SM2540 D			09/08/25 14:00	
Q3020-02	WATER-TREATMENT DISCHARGE	WATER			09/04/25 10:33			09/04/25
			Oil and Grease	1664A			09/05/25 10:00	

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

SDG No : N/A

Matrix : WATER

Pipette ID : WC

Balance ID : N/A

Hood ID : HOOD#2

Block ID : WC-DIST-BLOCK-1

Weigh By : N/A

Start Digest Date: 09/08/2025 Time : 08:05 Temp : 150 °C

End Digest Date: 09/08/2025 Time : 09:05 Temp : 160 °C

Batch 09/08/2025 09:25 150 °C
09/08/2025 10:25 157 °C

Digestion tube ID : M5595

Block Thermometer ID : WC CYANIDE

Filter paper ID : N/A

Prep Technician Signature: RM

pH Meter ID : N/A

Supervisor Signature: 12

Standard Name	MLS USED	STD REF. # FROM LOG
LCSW	1.0ML	WP114257
MS/MSD SPIKE SOL.	1.0ML	WP114256
PBW	50.0ML	W3112
RL CHECK	0.1ML	WP114256
LOD	0.8ML	WP114651

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

Extraction Conformance/Non-Conformance Comments:

ALL GLASSWEAR ARE STEAMED OUT AND THERE WERE NO TRACE OF AMMONIA USING NESLER REAGENT WP114104. Due to bad matrix and client history 1ML was taken as an initial volume for Q3028-01,05,LOQ WP114651 1.0ML, 09/08/25 RM

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
09/08/2025 10:35	RM (WC)	RM (WC)
	Preparation Group	Analysis Group

Lab Sample ID	Client Sample ID	Initial Vol (ml)	Final Vol (ml)	pH	Sulfide	Oxidizing	Nitrate/ Nitrite	Comment	Prep Pos
PB169587BL	PBW587	50	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
PB169587BS	LCS587	50	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
Q2893-07	LOD-MDL-WATER-01-QT3-20 25	50	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
Q2893-08	LOQ-WATER-02-QT3-2025	50	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
Q3020-01DUP	WATER-TREATMEN DISCHARGEDUP	50	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
Q3020-01MS	WATER-TREATMEN DISCHARGEMS	50	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
Q3020-01MSD	WATER-TREATMEN DISCHARGEMSD	50	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
Q3020-01	WATER-TREATMENT DISCHARGE	50	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
Q3022-01	1413	50	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
Q3025-01	DSN002	50	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
Q3025-03	DSN001	50	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
Q3025-05	DSN003	50	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
Q3028-01	EFFLUENT	1	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
Q3028-05	INFLUENT	1	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: Venna Consulting Group
ADDRESS: 1011 US Highway 22, Suite 302
CITY Bridgewater STATE: NJ ZIP: 08807
ATTENTION: Michael Venzzi
PHONE: 908-864-4400 FAX: 908-864-4401

PROJECT NAME: Rotary Clip
PROJECT NO.: 5183 0001 LOCATION: NJ
PROJECT MANAGER: Michael Venzzi
e-mail: mvlenzi@vcg-llc.com
PHONE: 908-864-4400 FAX: 908-864-4401

BILL TO: Sec Left PO#: 5183.0001
ADDRESS:
CITY STATE: ZIP:
ATTENTION: PHONE:

ANALYSIS

DATA TURNAROUND INFORMATION

DATA DELIVERABLE 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

☐ 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

1. TPH-SGT
2. BOD
3. TSS
4. Cr, Cu, Ni, Zn
5. Chlorine Demand
6. COD
7. Ammonia
8.
9.

PRESERVATIVES

COMMENTS

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES										COMMENTS
			COMP	GRAB	DATE	TIME		C	E	E	B	E	C	C			
1.	<u>Water Treatment Discharge</u>	<u>WW</u>	<u>X</u>		<u>9/4/25</u>	<u>10:38</u>	<u>6</u>		<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>			
2.	<u>Water Treatment Discharge</u>	<u>WW</u>		<u>X</u>	<u>9/4/25</u>	<u>10:38</u>	<u>3</u>	<u>X</u>									<u>MS/MSD collected for TPH-SGT Analysis</u>
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: 1. <u>Muhl Val</u>	DATE/TIME: <u>9/4/25 11:10</u>	RECEIVED BY: <u>[Signature]</u> <u>9.4.25</u>
RELINQUISHED BY SAMPLER: 2. <u>[Signature]</u>	DATE/TIME:	RECEIVED BY:
RELINQUISHED BY SAMPLER: 3. <u>[Signature]</u>	DATE/TIME: <u>9-4-25</u>	RECEIVED BY:

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 2.6 °C
Comments: Flow Rate = 38
pH = 9.7
Temperature = 72.0°F
Cr, Cu, Ni, Zn = Metals Group 4
Page ____ of ____ 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