



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

Hit Summary Sheet
SW-846

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

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : WATER-TREATMENT DISCHARGE								
Q2804-01	WATER-TREATMENT DISCHA	Water	Chromium	69.0	J	1.06	5.00	ug/L
Q2804-01	WATER-TREATMENT DISCHA	Water	Copper	9.87		2.30	10.0	ug/L
Q2804-01	WATER-TREATMENT DISCHA	Water	Nickel	20.6		1.53	20.0	ug/L
Q2804-01	WATER-TREATMENT DISCHA	Water	Zinc	176		8.33	20.0	ug/L



SAMPLE DATA

Report of Analysis

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

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7440-47-3	Chromium	69.0		1	1.06	5.00	ug/L	08/08/25 11:10	08/11/25 18:01	6010D	SW3010
7440-50-8	Copper	9.87	J	1	2.30	10.0	ug/L	08/08/25 11:10	08/11/25 18:01	6010D	SW3010
7440-02-0	Nickel	20.6		1	1.53	20.0	ug/L	08/08/25 11:10	08/11/25 18:01	6010D	SW3010
7440-66-6	Zinc	176		1	8.33	20.0	ug/L	08/08/25 11:10	08/11/25 18:01	6010D	SW3010

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

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

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



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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: VERINA CONSULTING GROUP, LLC

SDG No.: Q2804

Contract: VERI01

Lab Code: ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Chromium	2.12	+/-5	U	10.0	P	08/11/2025	16:54	LB136779
	Copper	4.60	+/-10	U	20.0	P	08/11/2025	16:54	LB136779
	Nickel	3.06	+/-20	U	40.0	P	08/11/2025	16:54	LB136779
	Zinc	16.7	+/-20	U	40.0	P	08/11/2025	16:54	LB136779

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: VERINA CONSULTING GROUP, LLC

SDG No.: Q2804

Contract: VERI01

Lab Code: ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Chromium	2.12	+/-5	U	10.0	P	08/11/2025	17:23	LB136779
	Copper	4.60	+/-10	U	20.0	P	08/11/2025	17:23	LB136779
	Nickel	3.06	+/-20	U	40.0	P	08/11/2025	17:23	LB136779
	Zinc	16.7	+/-20	U	40.0	P	08/11/2025	17:23	LB136779
CCB02	Chromium	2.12	+/-5	U	10.0	P	08/11/2025	17:48	LB136779
	Copper	4.60	+/-10	U	20.0	P	08/11/2025	17:48	LB136779
	Nickel	3.06	+/-20	U	40.0	P	08/11/2025	17:48	LB136779
	Zinc	16.7	+/-20	U	40.0	P	08/11/2025	17:48	LB136779
CCB03	Chromium	2.12	+/-5	U	10.0	P	08/11/2025	18:30	LB136779
	Copper	4.60	+/-10	U	20.0	P	08/11/2025	18:30	LB136779
	Nickel	3.06	+/-20	U	40.0	P	08/11/2025	18:30	LB136779
	Zinc	16.7	+/-20	U	40.0	P	08/11/2025	18:30	LB136779
CCB04	Chromium	2.12	+/-5	U	10.0	P	08/11/2025	19:03	LB136779
	Copper	4.60	+/-10	U	20.0	P	08/11/2025	19:03	LB136779
	Nickel	3.06	+/-20	U	40.0	P	08/11/2025	19:03	LB136779
	Zinc	16.7	+/-20	U	40.0	P	08/11/2025	19:03	LB136779

Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: VERINA CONSULTING GROUP, LLC

SDG No.: Q2804

Instrument: P4

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



METAL CALIBRATION DATA

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.: Q2804

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

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.: Q2804

Lab Code: ACE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
LLICV01	Chromium	9.85	10.0	98	80 - 120	P	08/11/2025	16:49	LB136779
	Copper	21.3	20.0	107	80 - 120	P	08/11/2025	16:49	LB136779
	Nickel	39.9	40.0	100	80 - 120	P	08/11/2025	16:49	LB136779
	Zinc	41.2	40.0	103	80 - 120	P	08/11/2025	16:49	LB136779

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: VERINA CONSULTING GROUP, LLC

SDG No.: Q2804

Contract: VERI01

Lab Code: ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV01	Chromium	972	1000	97	90 - 110	P	08/11/2025	17:19	LB136779
	Copper	1240	1250	99	90 - 110	P	08/11/2025	17:19	LB136779
	Nickel	2440	2500	98	90 - 110	P	08/11/2025	17:19	LB136779
	Zinc	2440	2500	98	90 - 110	P	08/11/2025	17:19	LB136779
CCV02	Chromium	992	1000	99	90 - 110	P	08/11/2025	17:44	LB136779
	Copper	1250	1250	100	90 - 110	P	08/11/2025	17:44	LB136779
	Nickel	2470	2500	99	90 - 110	P	08/11/2025	17:44	LB136779
	Zinc	2450	2500	98	90 - 110	P	08/11/2025	17:44	LB136779
CCV03	Chromium	977	1000	98	90 - 110	P	08/11/2025	18:26	LB136779
	Copper	1240	1250	99	90 - 110	P	08/11/2025	18:26	LB136779
	Nickel	2450	2500	98	90 - 110	P	08/11/2025	18:26	LB136779
	Zinc	2450	2500	98	90 - 110	P	08/11/2025	18:26	LB136779
CCV04	Chromium	979	1000	98	90 - 110	P	08/11/2025	18:59	LB136779
	Copper	1230	1250	98	90 - 110	P	08/11/2025	18:59	LB136779
	Nickel	2430	2500	97	90 - 110	P	08/11/2025	18:59	LB136779
	Zinc	2440	2500	98	90 - 110	P	08/11/2025	18:59	LB136779



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Metals

- 2b -

CRDL STANDARD FOR AA & ICP

Client: VERINA CONSULTING GROUP, LLC

SDG No.: Q2804

Contract: VERI01

Lab Code: ACE

Initial Calibration Source: _____

Continuing Calibration Source: _____

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CRI01	Chromium	9.63	10.0	96	65 - 135	P	08/11/2025	16:58	LB136779
	Copper	20.7	20.0	103	65 - 135	P	08/11/2025	16:58	LB136779
	Nickel	39.0	40.0	98	65 - 135	P	08/11/2025	16:58	LB136779
	Zinc	39.4	40.0	99	65 - 135	P	08/11/2025	16:58	LB136779

Metals
- 4 -
INTERFERENCE CHECK SAMPLE

Client: <u>VERINA CONSULTING GROUP, LLC</u>	SDG No.: <u>Q2804</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	56.8	52.0	109	42	62	08/11/2025	17:02	LB136779
	Copper	-0.68	2.0	34	-18	22	08/11/2025	17:02	LB136779
	Nickel	5.25	2.0	262	-38	42	08/11/2025	17:02	LB136779
	Zinc	2.14			-40	40	08/11/2025	17:02	LB136779
ICSAB01	Chromium	534	542	98	460	624	08/11/2025	17:06	LB136779
	Copper	463	511	91	434	588	08/11/2025	17:06	LB136779
	Nickel	949	954	100	810	1100	08/11/2025	17:06	LB136779
	Zinc	987	952	104	809	1095	08/11/2025	17:06	LB136779



METAL QC DATA

metals
- 5a -
MATRIX SPIKE SUMMARY

client: <u>VERINA CONSULTING GROUP, LLC</u>	level: <u>low</u>	sdg no.: <u>Q2804</u>
contract: <u>VERI01</u>		lab code: <u>ACE</u>
matrix: <u>Water</u>	sample id: <u>Q2805-02</u>	client id: <u>RW8-SP303-20250807MS</u>
Percent Solids for Sample: <u>NA</u>	Spiked ID: <u>Q2805-02MS</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	90 - 113	206		5.00	U	200	103		P
Copper	ug/L	86 - 114	162		6.11	J	150	104		P
Nickel	ug/L	88 - 113	254		3.69	J	250	100		P
Zinc	ug/L	87 - 115	132		29.6		100	103		P

metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: VERINA CONSULTING GROUP, LLC **level:** low **sdg no.:** Q2804
contract: VERI01 **lab code:** ACE
matrix: Water **sample id:** Q2805-02 **client id:** RW8-SP303-20250807MSD
Percent Solids for Sample: NA **Spiked ID:** Q2805-02MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Chromium	ug/L	90 - 113	203		5.00	U	200	102		P
Copper	ug/L	86 - 114	154		6.11	J	150	99		P
Nickel	ug/L	88 - 113	241		3.69	J	250	95		P
Zinc	ug/L	87 - 115	130		29.6		100	101		P

Metals
- 5b -

Client: VERINA CONSULTING GROUP, LLC

SDG No.: Q2804

Contract: VERI01

Lab Code: ACE

Matrix: _____

Level: LOW

Client ID: _____

Sample ID: _____ **Spiked ID:** _____

Analyte	Units	Acceptance Limit %R	C	Sample Result	C	Spike Added	% Recovery	Qual	M
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A
B
C
D
E
F
G
H
I
J

Metals

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: VERINA CONSULTING GROUP, LLC **Level:** LOW **SDG No.:** Q2804
Contract: VERI01 **Lab Code:** ACE
Matrix: Water **Sample ID:** Q2805-02 **Client ID:** RW8-SP303-20250807DUP
Percent Solids for Sample: NA **Duplicate ID** Q2805-02DUP **Percent Solids for Spike Sample:** NA

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

Metals

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: VERINA CONSULTING GROUP, LLC **Level:** LOW **SDG No.:** Q2804
Contract: VERI01 **Lab Code:** ACE
Matrix: Water **Sample ID:** Q2805-02MS **Client ID:** RW8-SP303-20250807MSD
Percent Solids for Sample: NA **Duplicate ID** Q2805-02MSD **Percent Solids for Spike Sample:** NA

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

Metals

- 7 -

LABORATORY CONTROL SAMPLE SUMMARY

Client: VERINA CONSULTING GROUP, LLC

SDG No.: Q2804

Contract: VERI01

Lab Code: ACE

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

Metals
-9 -
ICP SERIAL DILUTIONS

SAMPLE NO.

RW8-SP303-20250807L

Lab Name: Alliance

Contract: VERI01

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

Matrix (soil/water): Water **Level (low/med):** LOW

Concentration Units: ug/L

Analyte	Initial Sample Result (I)		Serial Dilution Result (S)		% Differ- ence	Q	M
		C		C			
Chromium	5.00	U	25.0	U			P
Copper	6.11	J	50.0	U	100.0		P
Nickel	3.69	J	100	U	100.0		P
Zinc	29.6		100	U	100.0		P

metals
- 14 -
ANALYSIS RUN LOG

Client: VERINA CONSULTING GROUP, LLC

Contract: VERI01

Lab code: ACE

Sdg no.: Q2804

Instrument id number:

Method:

Run number: LB136779

Start date: 08/11/2025

End date: 08/11/2025

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



METAL PREPARATION & INSTRUMENT DATA

Metals

- 11 -

ICP INTERELEMENT CORRECTION FACTORS

Client: VERINA CONSULTING GROUP, LLC

SDG No.: Q2804

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

- 11 -

ICP INTERELEMENT CORRECTION FACTORS

Client: VERINA CONSULTING GROUP, LLC

SDG No.: Q2804

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

- 11 -

ICP INTERELEMENT CORRECTION FACTORS

Client: VERINA CONSULTING GROUP, LLC

SDG No.: Q2804

Contract: VERI01

Lab Code: ACE

Instrument ID: _____

Date: _____

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

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

Metals

- 11 -

ICP INTERELEMEN CORRECTION FACTORS

Client: VERINA CONSULTING GROUP, LLC

SDG No.: Q2804

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

- 11 -

ICP INTERELEMENT CORRECTION FACTORS

Client: VERINA CONSULTING GROUP, LLC

SDG No.: Q2804

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

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



METAL PREPARATION & ANALYICAL SUMMARY

Metals
- 13 -

SAMPLE PREPARATION SUMMARY

Client: VERINA CONSULTING GROUP, LLC **SDG No.:** Q2804
Contract: VERI01 **Lab Code:** ACE **Method:** _____

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(mL)	Final Sample Volume (mL)	Percent Solids
Batch Number: PB169154							
PB169154BL	PB169154BL	MB	WATER	08/08/2025	50.0	25.0	
PB169154BS	PB169154BS	LCS	WATER	08/08/2025	50.0	25.0	
Q2804-01	WATER-TREATMENT DISCHARGE	SAM	WATER	08/08/2025	50.0	25.0	
Q2805-02DUP	RW8-SP303-20250807DUP	DUP	WATER	08/08/2025	50.0	25.0	
Q2805-02MS	RW8-SP303-20250807MS	MS	WATER	08/08/2025	50.0	25.0	
Q2805-02MSD	RW8-SP303-20250807MSD	MSD	WATER	08/08/2025	50.0	25.0	

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB136779

Review By	Janvi	Review On	8/13/2025 10:17:16 AM
Supervise By	jaswal	Supervise On	8/13/2025 4:06:52 PM
STD. NAME	STD REF.#		
ICAL Standard	MP86640,MP86656,MP86653,MP86643,MP86642,MP86641		
ICV Standard	MP86752,MP86656		
CCV Standard	MP86646		
ICSA Standard	MP86651,MP86753		
CRI Standard	MP86656		
LCS Standard			
Chk Standard	MP86647,MP86648		

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

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB136779

Review By	Janvi	Review On	8/13/2025 10:17:16 AM
Supervise By	jaswal	Supervise On	8/13/2025 4:06:52 PM
STD. NAME	STD REF.#		
ICAL Standard	MP86640,MP86656,MP86653,MP86643,MP86642,MP86641		
ICV Standard	MP86752,MP86656		
CCV Standard	MP86646		
ICSA Standard	MP86651,MP86753		
CRI Standard	MP86656		
LCS Standard			
Chk Standard	MP86647,MP86648		

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

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB136779

Review By	Janvi	Review On	8/13/2025 10:17:16 AM
Supervise By	jaswal	Supervise On	8/13/2025 4:06:52 PM
STD. NAME	STD REF.#		
ICAL Standard	MP86640,MP86656,MP86653,MP86643,MP86642,MP86641		
ICV Standard	MP86752,MP86656		
CCV Standard	MP86646		
ICSA Standard	MP86651,MP86753		
CRI Standard	MP86656		
LCS Standard			
Chk Standard	MP86647,MP86648		

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

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

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

Digestion tube ID: M5595

Block thermometer ID: MET-DIG. #1

Dig Technician Signature: *S123*

Supervisor Signature: *Jerp*

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 96C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
08/08/25 15:12	<i>S123 met lab</i>	<i>Jerp / Metlab</i>
	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
PB169154BL	PBW154	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	1
PB169154BS	LCS154	<2	50	25	Colorless	Colorless	Clear	Clear	M6180,M6181	2
Q2759-04	LIQUID-DRUM	<2	5.00	25	Colorless	Colorless	Clear	Clear	N/A	3
Q2804-01	WATER-TREATMENT DISCHARGE	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	4
Q2805-01	RW8-SP100-20250807	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	5
Q2805-02	RW8-SP303-20250807	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	6
Q2805-02MS	RW8-SP303-20250807MS	<2	50	25	Colorless	Colorless	Clear	Clear	M6180,M6181	8
Q2805-02MSD	RW8-SP303-20250807MSD	<2	50	25	Colorless	Colorless	Clear	Clear	M6180,M6181	9
Q2805-02DUP	RW8-SP303-20250807DUP	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	7



SAMPLE DATA

Report of Analysis

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

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

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

H = Sample Analysis Out Of Hold Time

J = Estimated Value

B = Analyte Found in Associated Method Blank

* = indicates the duplicate analysis is not within control limits.

E = Indicates the reported value is estimated because of the presence of interference.

OR = Over Range

N = Spiked sample recovery not within control limits



QC RESULT SUMMARY



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

Initial and Continuing Calibration Verification

Client: VERINA CONSULTING GROUP, LLC

SDG No.: Q2804

Project: Rotor Clip NJ WTD - 2025

RunNo.: LB136744

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

Initial and Continuing Calibration Verification

Client: VERINA CONSULTING GROUP, LLC

SDG No.: Q2804

Project: Rotor Clip NJ WTD - 2025

RunNo.: LB136784

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



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

Initial and Continuing Calibration Blank Summary

Client: VERINA CONSULTING GROUP, LLC

SDG No.: Q2804

Project: Rotor Clip NJ WTD - 2025

RunNo.: LB136744

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

Initial and Continuing Calibration Blank Summary

Client: VERINA CONSULTING GROUP, LLC

SDG No.: Q2804

Project: Rotor Clip NJ WTD - 2025

RunNo.: LB136784

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

Preparation Blank Summary

Client: VERINA CONSULTING GROUP, LLC

SDG No.: Q2804

Project: Rotor Clip NJ WTD - 2025

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

Matrix Spike Summary

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

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

Matrix Spike Summary

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

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

Duplicate Sample Summary

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

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

Duplicate Sample Summary

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

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

Laboratory Control Sample Summary

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

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

Laboratory Control Sample Summary

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

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

Instrument ID: SPECTROPHOTOMETER-1

Daily Analysis Runlog For Sequence/QC Batch ID # LB136744

Review By	Eman	Review On	8/8/2025 8:38:06 AM
Supervise By	Iwona	Supervise On	8/8/2025 8:49:37 AM
SubDirectory	LB136744	Test	Residual Chlorine
STD. NAME	STD REF.#		
ICAL Standard	N/A		
ICV Standard	N/A		
CCV Standard	N/A		
ICSA Standard	N/A		
CRI Standard	N/A		
LCS Standard	N/A		
Chk Standard	WP114216,WP114211,WP114212,WP114213,WP114210,WP114214,WP114215		

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

Instrument ID: KONELAB

Daily Analysis Runlog For Sequence/QC Batch ID # LB136784

Review By	rubina	Review On	8/13/2025 10:22:10 AM
Supervise By	Sohil	Supervise On	8/13/2025 11:12:27 AM
SubDirectory	LB136784	Test	Ammonia
STD. NAME	STD REF.#		
ICAL Standard	WP114262		
ICV Standard	WP114264		
CCV Standard	WP114263		
ICSA Standard	N/A		
CRI Standard	N/A		
LCS Standard	WP114257		
Chk Standard	WP114258,WP114133,WP113929,WP114132		

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

Instrument ID: KONELAB

Daily Analysis Runlog For Sequence/QC Batch ID # LB136784

Review By	rubina	Review On	8/13/2025 10:22:10 AM
Supervise By	Sohil	Supervise On	8/13/2025 11:12:27 AM
SubDirectory	LB136784	Test	Ammonia
STD. NAME	STD REF.#		
ICAL Standard	WP114262		
ICV Standard	WP114264		
CCV Standard	WP114263		
ICSA Standard	N/A		
CRI Standard	N/A		
LCS Standard	WP114257		
Chk Standard	WP114258,WP114133,WP113929,WP114132		

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

Instrument ID: KONELAB

Daily Analysis Runlog For Sequence/QC Batch ID # LB136784

Review By	rubina	Review On	8/13/2025 10:22:10 AM
Supervise By	Sohil	Supervise On	8/13/2025 11:12:27 AM
SubDirectory	LB136784	Test	Ammonia
STD. NAME	STD REF.#		
ICAL Standard	WP114262		
ICV Standard	WP114264		
CCV Standard	WP114263		
ICSA Standard	N/A		
CRI Standard	N/A		
LCS Standard	WP114257		
Chk Standard	WP114258,WP114133,WP113929,WP114132		

39	CCB4	CCB4	CCB	08/12/25 10:50		rubina	OK
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A
B
C
D
E
F

LAB CHRONICLE

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

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

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

SDG No : N/A

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

Matrix : WATER

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

Pipette ID : WC

Balance ID : N/A

Hood ID : HOOD#2

Digestion tube ID : M5595

Block Thermometer ID : WC CYANIDE

Block ID : WC-DIST-BLOCK-1

Filter paper ID : N/A

Prep Technician Signature: RM

Weigh By : 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	N/A	AS PER PB169198
N/A	N/A	N/A

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

Extraction Conformance/Non-Conformance Comments:

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

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

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