



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Hit Summary Sheet
SW-846

SDG No.: Q3370

Order ID: Q3370

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								
Q3370-01	WATER-TREATMENT DISCHA	Water	Chromium	15.2		1.06	5.00	ug/L
Q3370-01	WATER-TREATMENT DISCHA	Water	Copper	17.7		2.30	10.0	ug/L
Q3370-01	WATER-TREATMENT DISCHA	Water	Nickel	16.9	J	1.53	20.0	ug/L
Q3370-01	WATER-TREATMENT DISCHA	Water	Zinc	661		8.33	20.0	ug/L



SAMPLE DATA

Report of Analysis

Client: VERINA CONSULTING GROUP, LLC
Project: Rotor Clip NJ WTD - 2025
Client Sample ID: WATER-TREATMENT DISCHARGE
Lab Sample ID: Q3370-01
Level (low/med): low

Date Collected: 10/16/25
Date Received: 10/16/25
SDG No.: Q3370
Matrix: Water
% Solid: 0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7440-47-3	Chromium	15.2		1	1.06	5.00	ug/L	10/21/25 16:10	10/21/25 18:06	6010D	
7440-50-8	Copper	17.7		1	2.30	10.0	ug/L	10/21/25 16:10	10/21/25 18:06	6010D	
7440-02-0	Nickel	16.9	J	1	1.53	20.0	ug/L	10/21/25 16:10	10/21/25 18:06	6010D	
7440-66-6	Zinc	661		1	8.33	20.0	ug/L	10/21/25 16:10	10/21/25 18:06	6010D	

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.: Q3370

Contract: VERI01

Lab Code: ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Chromium	2.12	+/-5	U	10.0	P	10/21/2025	12:50	LB137613
	Copper	4.60	+/-10	U	20.0	P	10/21/2025	12:50	LB137613
	Nickel	3.06	+/-20	U	40.0	P	10/21/2025	12:50	LB137613
	Zinc	16.7	+/-20	U	40.0	P	10/21/2025	12:50	LB137613

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: VERINA CONSULTING GROUP, LLC

SDG No.: Q3370

Contract: VERI01

Lab Code: ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Chromium	2.12	+/-5	U	10.0	P	10/21/2025	13:54	LB137613
	Copper	4.60	+/-10	U	20.0	P	10/21/2025	13:54	LB137613
	Nickel	3.06	+/-20	U	40.0	P	10/21/2025	13:54	LB137613
	Zinc	16.7	+/-20	U	40.0	P	10/21/2025	13:54	LB137613
CCB02	Chromium	2.12	+/-5	U	10.0	P	10/21/2025	15:07	LB137613
	Copper	4.60	+/-10	U	20.0	P	10/21/2025	15:07	LB137613
	Nickel	3.06	+/-20	U	40.0	P	10/21/2025	15:07	LB137613
	Zinc	16.7	+/-20	U	40.0	P	10/21/2025	15:07	LB137613
CCB03	Chromium	2.83	+/-5	J	10.0	P	10/21/2025	16:00	LB137613
	Copper	4.60	+/-10	U	20.0	P	10/21/2025	16:00	LB137613
	Nickel	3.06	+/-20	U	40.0	P	10/21/2025	16:00	LB137613
	Zinc	16.7	+/-20	U	40.0	P	10/21/2025	16:00	LB137613
CCB04	Chromium	2.12	+/-5	U	10.0	P	10/21/2025	16:52	LB137613
	Copper	4.60	+/-10	U	20.0	P	10/21/2025	16:52	LB137613
	Nickel	3.06	+/-20	U	40.0	P	10/21/2025	16:52	LB137613
	Zinc	16.7	+/-20	U	40.0	P	10/21/2025	16:52	LB137613
CCB05	Chromium	2.12	+/-5	U	10.0	P	10/21/2025	17:41	LB137613
	Copper	4.60	+/-10	U	20.0	P	10/21/2025	17:41	LB137613
	Nickel	3.06	+/-20	U	40.0	P	10/21/2025	17:41	LB137613
	Zinc	16.7	+/-20	U	40.0	P	10/21/2025	17:41	LB137613
CCB06	Chromium	2.12	+/-5	U	10.0	P	10/21/2025	18:31	LB137613
	Copper	4.60	+/-10	U	20.0	P	10/21/2025	18:31	LB137613
	Nickel	3.06	+/-20	U	40.0	P	10/21/2025	18:31	LB137613
	Zinc	16.7	+/-20	U	40.0	P	10/21/2025	18:31	LB137613
CCB07	Chromium	2.12	+/-5	U	10.0	P	10/21/2025	19:22	LB137613
	Copper	4.60	+/-10	U	20.0	P	10/21/2025	19:22	LB137613
	Nickel	3.06	+/-20	U	40.0	P	10/21/2025	19:22	LB137613
	Zinc	16.7	+/-20	U	40.0	P	10/21/2025	19:22	LB137613
CCB08	Chromium	2.12	+/-5	U	10.0	P	10/21/2025	20:07	LB137613
	Copper	4.60	+/-10	U	20.0	P	10/21/2025	20:07	LB137613
	Nickel	3.06	+/-20	U	40.0	P	10/21/2025	20:07	LB137613
	Zinc	16.7	+/-20	U	40.0	P	10/21/2025	20:07	LB137613

Metals
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PREPARATION BLANK SUMMARY

Client: VERINA CONSULTING GROUP, LLC

SDG No.: Q3370

Instrument: P4

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB170192BL	WATER			Batch Number:	PB170192		Prep Date:	10/21/2025	
	Chromium	1.06	<2.5	U	5.00	P	10/21/2025	17:28	LB137613
	Copper	2.30	<5	U	10.0	P	10/21/2025	17:28	LB137613
	Nickel	1.53	<10	U	20.0	P	10/21/2025	17:28	LB137613
	Zinc	8.33	<10	U	20.0	P	10/21/2025	17:28	LB137613



METAL CALIBRATION DATA

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: VERINA CONSULTING GROUP, LLC

SDG No.: Q3370

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
ICV01	Chromium	784	800	98	90 - 110	P	10/21/2025	12:40	LB137613
	Copper	976	1000	98	90 - 110	P	10/21/2025	12:40	LB137613
	Nickel	1910	2000	95	90 - 110	P	10/21/2025	12:40	LB137613
	Zinc	1920	2000	96	90 - 110	P	10/21/2025	12:40	LB137613

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: VERINA CONSULTING GROUP, LLC

SDG No.: Q3370

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	9.98	10.0	100	80 - 120	P	10/21/2025	12:44	LB137613
	Copper	21.5	20.0	107	80 - 120	P	10/21/2025	12:44	LB137613
	Nickel	38.9	40.0	97	80 - 120	P	10/21/2025	12:44	LB137613
	Zinc	41.7	40.0	104	80 - 120	P	10/21/2025	12:44	LB137613

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: VERINA CONSULTING GROUP, LLC

SDG No.: Q3370

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	976	1000	98	90 - 110	P	10/21/2025	13:45	LB137613
	Copper	1220	1250	98	90 - 110	P	10/21/2025	13:45	LB137613
	Nickel	2410	2500	97	90 - 110	P	10/21/2025	13:45	LB137613
	Zinc	2430	2500	97	90 - 110	P	10/21/2025	13:45	LB137613
CCV02	Chromium	934	1000	93	90 - 110	P	10/21/2025	15:03	LB137613
	Copper	1210	1250	96	90 - 110	P	10/21/2025	15:03	LB137613
	Nickel	2330	2500	93	90 - 110	P	10/21/2025	15:03	LB137613
	Zinc	2370	2500	95	90 - 110	P	10/21/2025	15:03	LB137613
CCV03	Chromium	941	1000	94	90 - 110	P	10/21/2025	15:56	LB137613
	Copper	1210	1250	96	90 - 110	P	10/21/2025	15:56	LB137613
	Nickel	2350	2500	94	90 - 110	P	10/21/2025	15:56	LB137613
	Zinc	2390	2500	96	90 - 110	P	10/21/2025	15:56	LB137613
CCV04	Chromium	934	1000	93	90 - 110	P	10/21/2025	16:48	LB137613
	Copper	1190	1250	96	90 - 110	P	10/21/2025	16:48	LB137613
	Nickel	2330	2500	93	90 - 110	P	10/21/2025	16:48	LB137613
	Zinc	2400	2500	96	90 - 110	P	10/21/2025	16:48	LB137613
CCV05	Chromium	964	1000	96	90 - 110	P	10/21/2025	17:37	LB137613
	Copper	1220	1250	98	90 - 110	P	10/21/2025	17:37	LB137613
	Nickel	2390	2500	96	90 - 110	P	10/21/2025	17:37	LB137613
	Zinc	2430	2500	97	90 - 110	P	10/21/2025	17:37	LB137613
CCV06	Chromium	905	1000	90	90 - 110	P	10/21/2025	18:27	LB137613
	Copper	1180	1250	95	90 - 110	P	10/21/2025	18:27	LB137613
	Nickel	2300	2500	92	90 - 110	P	10/21/2025	18:27	LB137613
	Zinc	2320	2500	93	90 - 110	P	10/21/2025	18:27	LB137613
CCV07	Chromium	945	1000	94	90 - 110	P	10/21/2025	19:18	LB137613
	Copper	1200	1250	96	90 - 110	P	10/21/2025	19:18	LB137613
	Nickel	2350	2500	94	90 - 110	P	10/21/2025	19:18	LB137613
	Zinc	2370	2500	95	90 - 110	P	10/21/2025	19:18	LB137613
CCV08	Chromium	915	1000	92	90 - 110	P	10/21/2025	20:03	LB137613
	Copper	1210	1250	97	90 - 110	P	10/21/2025	20:03	LB137613
	Nickel	2350	2500	94	90 - 110	P	10/21/2025	20:03	LB137613
	Zinc	2340	2500	94	90 - 110	P	10/21/2025	20:03	LB137613



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Metals

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CRDL STANDARD FOR AA & ICP

Client: VERINA CONSULTING GROUP, LLC

SDG No.: Q3370

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	9.94	10.0	99	65 - 135	P	10/21/2025	12:54	LB137613
	Copper	21.6	20.0	108	65 - 135	P	10/21/2025	12:54	LB137613
	Nickel	38.6	40.0	96	65 - 135	P	10/21/2025	12:54	LB137613
	Zinc	41.9	40.0	105	65 - 135	P	10/21/2025	12:54	LB137613

Metals
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INTERFERENCE CHECK SAMPLE

Client: VERINA CONSULTING GROUP, LLC

SDG No.: Q3370

Contract: VERI01

Lab Code: ACE

ICS Source: EPA

Instrument ID: P4

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Low Limit (ug/L)	High Limit (ug/L)	Analysis Date	Analysis Time	Run Number
ICSA01	Chromium	43.7	52.0	84	42	62	10/21/2025	12:59	LB137613
	Copper	17.8	2.0	890	-18	22	10/21/2025	12:59	LB137613
	Nickel	3.80	2.0	190	-38	42	10/21/2025	12:59	LB137613
	Zinc	3.44			-40	40	10/21/2025	12:59	LB137613
ICSAB01	Chromium	536	542	99	460	624	10/21/2025	13:03	LB137613
	Copper	479	511	94	434	588	10/21/2025	13:03	LB137613
	Nickel	973	954	102	810	1100	10/21/2025	13:03	LB137613
	Zinc	1020	952	107	809	1095	10/21/2025	13:03	LB137613



METAL QC DATA

metals
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MATRIX SPIKE SUMMARY

client: <u>VERINA CONSULTING GROUP, LLC</u>	level: <u>low</u>	sdg no.: <u>Q3370</u>
contract: <u>VERI01</u>		lab code: <u>ACE</u>
matrix: <u>Water</u>	sample id: <u>Q3370-01</u>	client id: <u>WATER-TREATMENT DISCHARGEMS</u>
Percent Solids for Sample: <u>NA</u>	Spiked ID: <u>Q3370-01MS</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	202		15.2		200	93		P
Copper	ug/L	75 - 125	157		17.7		150	93		P
Nickel	ug/L	75 - 125	244		16.9	J	250	91		P
Zinc	ug/L	75 - 125	777		661		100	116		P

metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: <u>VERINA CONSULTING GROUP, LLC</u>	level: <u>low</u>	sdg no.: <u>Q3370</u>
contract: <u>VERI01</u>		lab code: <u>ACE</u>
matrix: <u>Water</u>	sample id: <u>Q3370-01</u>	client id: <u>WATER-TREATMENT DISCHARGEMSD</u>
Percent Solids for Sample: <u>NA</u>	Spiked ID: <u>Q3370-01MSD</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	200		15.2		200	93		P
Copper	ug/L	75 - 125	158		17.7		150	93		P
Nickel	ug/L	75 - 125	245		16.9	J	250	91		P
Zinc	ug/L	75 - 125	761		661		100	100		P



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Metals
- 5b -

Client: VERINA CONSULTING GROUP, LLC

SDG No.: Q3370

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

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DUPLICATE SAMPLE SUMMARY

Client: VERINA CONSULTING GROUP, LLC **Level:** LOW **SDG No.:** Q3370
Contract: VERI01 **Lab Code:** ACE
Matrix: Water **Sample ID:** Q3370-01 **Client ID:** WATER-TREATMENT DISCHARGEDU
Percent Solids for Sample: NA **Duplicate ID** Q3370-01DUP **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Chromium	ug/L	20	15.2		15.3		1		P
Copper	ug/L	20	17.7		17.6		1		P
Nickel	ug/L	20	16.9	J	17.3	J	2		P
Zinc	ug/L	20	661		667		1		P

Metals

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DUPLICATE SAMPLE SUMMARY

Client: VERINA CONSULTING GROUP, LLC **Level:** LOW **SDG No.:** Q3370
Contract: VERI01 **Lab Code:** ACE
Matrix: Water **Sample ID:** Q3370-01MS **Client ID:** WATER-TREATMENT DISCHARGEMS
Percent Solids for Sample: NA **Duplicate ID** Q3370-01MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Chromium	ug/L	20	202		200		1		P
Copper	ug/L	20	157		158		1		P
Nickel	ug/L	20	244		245		0		P
Zinc	ug/L	20	777		761		2		P

Metals

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LABORATORY CONTROL SAMPLE SUMMARY

Client: VERINA CONSULTING GROUP, LLC

SDG No.: Q3370

Contract: VERI01

Lab Code: ACE

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB170192BS							
Chromium	ug/L	200	186		93	80 - 120	P
Copper	ug/L	150	145		97	80 - 120	P
Nickel	ug/L	250	224		90	80 - 120	P
Zinc	ug/L	100	95.3		95	80 - 120	P

Metals
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ICP SERIAL DILUTIONS

SAMPLE NO.

WATER-TREATMENT DISCHARGEL

Lab Name: Alliance **Contract:** VERI01
Lab Code: ACE **Lb No.:** lb137613 **Lab Sample ID :** Q3370-01L **SDG No.:** Q3370
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
Chromium	15.2		14.7	J	3			P
Copper	17.7		18.7	J	6			P
Nickel	16.9	J	17.0	J	0			P
Zinc	661		669		1			P

metals
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ANALYSIS RUN LOG

Client: VERINA CONSULTING GROUP, LLC

Contract: VERI01

Lab code: ACE

Sdg no.: Q3370

Instrument id number:

Method:

Run number: LB137613

Start date: 10/21/2025

End date: 10/21/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1203	Cr,Cu,Ni,Zn
S1	S1	1	1208	Cr,Cu,Ni,Zn
S2	S2	1	1212	Cr,Cu,Ni,Zn
S3	S3	1	1216	Cr,Cu,Ni,Zn
S4	S4	1	1221	Cr,Cu,Ni,Zn
S5	S5	1	1225	Cr,Cu,Ni,Zn
ICV01	ICV01	1	1240	Cr,Cu,Ni,Zn
LLICV01	LLICV01	1	1244	Cr,Cu,Ni,Zn
ICB01	ICB01	1	1250	Cr,Cu,Ni,Zn
CRI01	CRI01	1	1254	Cr,Cu,Ni,Zn
ICSA01	ICSA01	1	1259	Cr,Cu,Ni,Zn
ICSAB01	ICSAB01	1	1303	Cr,Cu,Ni,Zn
CCV01	CCV01	1	1345	Cr,Cu,Ni,Zn
CCB01	CCB01	1	1354	Cr,Cu,Ni,Zn
CCV02	CCV02	1	1503	Cr,Cu,Ni,Zn
CCB02	CCB02	1	1507	Cr,Cu,Ni,Zn
CCV03	CCV03	1	1556	Cr,Cu,Ni,Zn
CCB03	CCB03	1	1600	Cr,Cu,Ni,Zn
CCV04	CCV04	1	1648	Cr,Cu,Ni,Zn
CCB04	CCB04	1	1652	Cr,Cu,Ni,Zn
PB170192BL	PB170192BL	1	1728	Cr,Cu,Ni,Zn
PB170192BS	PB170192BS	1	1733	Cr,Cu,Ni,Zn
CCV05	CCV05	1	1737	Cr,Cu,Ni,Zn
CCB05	CCB05	1	1741	Cr,Cu,Ni,Zn
Q3370-01	WATER-TREATMENT DISCH#	1	1806	Cr,Cu,Ni,Zn
Q3370-01DUP	WATER-TREATMENT DISCH#	1	1811	Cr,Cu,Ni,Zn
Q3370-01L	WATER-TREATMENT DISCH#	5	1815	Cr,Cu,Ni,Zn
Q3370-01MS	WATER-TREATMENT DISCH#	1	1819	Cr,Cu,Ni,Zn
Q3370-01MSD	WATER-TREATMENT DISCH#	1	1823	Cr,Cu,Ni,Zn
CCV06	CCV06	1	1827	Cr,Cu,Ni,Zn
CCB06	CCB06	1	1831	Cr,Cu,Ni,Zn
CCV07	CCV07	1	1918	Cr,Cu,Ni,Zn
CCB07	CCB07	1	1922	Cr,Cu,Ni,Zn
CCV08	CCV08	1	2003	Cr,Cu,Ni,Zn
CCB08	CCB08	1	2007	Cr,Cu,Ni,Zn



METAL PREPARATION & INSTRUMENT DATA

Metals

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ICP INTERELEMENT CORRECTION FACTORS

Client: VERINA CONSULTING GROUP, LLC

SDG No.: Q3370

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.: Q3370

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.: Q3370

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:				
		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 INTERELEMENT CORRECTION FACTORS

Client: VERINA CONSULTING GROUP, LLC

SDG No.: Q3370

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.: Q3370

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:	Q3370	OrderDate:	10/16/2025 2:51:00 PM
Client:	VERINA CONSULTING GROUP, LLC	Project:	Rotor Clip NJ WTD - 2025
Contact:	Michael Valenzi	Location:	J53

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3370-01	WATER-TREATMENT DISCHARGE	Water	Metals Group4	6010D	10/16/25	10/21/25	10/21/25	10/16/25



METAL PREPARATION & ANALYICAL SUMMARY

Metals
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SAMPLE PREPARATION SUMMARY

Client: VERINA CONSULTING GROUP, LLC **SDG No.:** Q3370
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: PB170192							
PB170192BL	PB170192BL	MB	WATER	10/21/2025	50.0	25.0	
PB170192BS	PB170192BS	LCS	WATER	10/21/2025	50.0	25.0	
Q3370-01	WATER-TREATMENT DISCHARGE	SAM	WATER	10/21/2025	50.0	25.0	
Q3370-01DUP	WATER-TREATMENT DISCHARGEDUP	DUP	WATER	10/21/2025	50.0	25.0	
Q3370-01MS	WATER-TREATMENT DISCHARGEMS	MS	WATER	10/21/2025	50.0	25.0	
Q3370-01MSD	WATER-TREATMENT DISCHARGEMSD	MSD	WATER	10/21/2025	50.0	25.0	

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB137613

Review By	Janvi	Review On	10/23/2025 4:36:41 PM
Supervise By	jaswal	Supervise On	10/24/2025 6:34:14 PM
STD. NAME	STD REF.#		
ICAL Standard	MP87637,MP87643,MP87641,MP87640,MP87639,MP87638		
ICV Standard	MP87644,MP87643		
CCV Standard	MP87647		
ICSA Standard	MP87645,MP87646		
CRI Standard	MP87643		
LCS Standard			
Chk Standard	MP87668,MP87648,MP87651,MP87649,MP87650		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	10/21/25 12:03		Jaswal	OK
2	S1	S1	CAL2	10/21/25 12:08		Jaswal	OK
3	S2	S2	CAL3	10/21/25 12:12		Jaswal	OK
4	S3	S3	CAL4	10/21/25 12:16		Jaswal	OK
5	S4	S4	CAL5	10/21/25 12:21		Jaswal	OK
6	S5	S5	CAL6	10/21/25 12:25		Jaswal	OK
7	ICV01	ICV01	ICV	10/21/25 12:40		Jaswal	OK
8	LLICV01	LLICV01	LLICV	10/21/25 12:44		Jaswal	OK
9	ICB01	ICB01	ICB	10/21/25 12:50		Jaswal	OK
10	CRI01	CRI01	CRDL	10/21/25 12:54		Jaswal	OK
11	ICSA01	ICSA01	ICSA	10/21/25 12:59		Jaswal	OK
12	ICSAB01	ICSAB01	ICSAB	10/21/25 13:03		Jaswal	OK
13	ICSADL	ICSADL	ICSA	10/21/25 13:07		Jaswal	OK
14	ICSABDL	ICSABDL	ICSAB	10/21/25 13:11		Jaswal	OK
15	CCV01	CCV01	CCV	10/21/25 13:45		Jaswal	OK
16	CCB01	CCB01	CCB	10/21/25 13:54		Jaswal	OK
17	LR-1	LR-1	HIGH STD	10/21/25 13:57		Jaswal	OK
18	LR-2	LR-2	HIGH STD	10/21/25 14:02		Jaswal	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB137613

Review By	Janvi	Review On	10/23/2025 4:36:41 PM
Supervise By	jaswal	Supervise On	10/24/2025 6:34:14 PM
STD. NAME	STD REF.#		
ICAL Standard	MP87637,MP87643,MP87641,MP87640,MP87639,MP87638		
ICV Standard	MP87644,MP87643		
CCV Standard	MP87647		
ICSA Standard	MP87645,MP87646		
CRI Standard	MP87643		
LCS Standard			
Chk Standard	MP87668,MP87648,MP87651,MP87649,MP87650		

19	PB170187BL	PB170187BL	MB	10/21/25 14:11		Jaswal	OK
20	PB170187BS	PB170187BS	LCS	10/21/25 14:16		Jaswal	OK
21	PB170183BL	PB170183BL	MB	10/21/25 14:25		Jaswal	OK
22	PB170183BS	PB170183BS	LCS	10/21/25 14:29		Jaswal	OK
23	LR-3	LR-3	HIGH STD	10/21/25 14:33		Jaswal	OK
24	Q3381-02	VNJ-222	SAM	10/21/25 14:39		Jaswal	OK
25	Q3381-04	VNJ-245	SAM	10/21/25 14:43		Jaswal	OK
26	Q3381-06	RBR200059	SAM	10/21/25 14:47		Jaswal	OK
27	CCV02	CCV02	CCV	10/21/25 15:03		Jaswal	OK
28	CCB02	CCB02	CCB	10/21/25 15:07		Jaswal	OK
29	Q3381-08	VNJ-255	SAM	10/21/25 15:11		Jaswal	OK
30	Q3369-04	MH-22	SAM	10/21/25 15:16		Jaswal	OK
31	Q3369-08	MH-21	SAM	10/21/25 15:20		Jaswal	OK
32	Q3374-04	TP-4-WC	SAM	10/21/25 15:25		Jaswal	OK
33	Q3374-08	TP-5-WC	SAM	10/21/25 15:29		Jaswal	OK
34	Q3388-02	461	SAM	10/21/25 15:34		Jaswal	OK
35	Q3390-02	4174	SAM	10/21/25 15:38		Jaswal	OK
36	Q3392-04	MH-20	SAM	10/21/25 15:42		Jaswal	OK
37	Q3392-08	MH-19	SAM	10/21/25 15:47		Jaswal	OK
38	Q3392-08DUP	MH-19DUP	DUP	10/21/25 15:51		Jaswal	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB137613

Review By	Janvi	Review On	10/23/2025 4:36:41 PM
Supervise By	jaswal	Supervise On	10/24/2025 6:34:14 PM
STD. NAME	STD REF.#		
ICAL Standard	MP87637,MP87643,MP87641,MP87640,MP87639,MP87638		
ICV Standard	MP87644,MP87643		
CCV Standard	MP87647		
ICSA Standard	MP87645,MP87646		
CRI Standard	MP87643		
LCS Standard			
Chk Standard	MP87668,MP87648,MP87651,MP87649,MP87650		

39	CCV03	CCV03	CCV	10/21/25 15:56		Jaswal	OK
40	CCB03	CCB03	CCB	10/21/25 16:00		Jaswal	OK
41	Q3392-08L	MH-19L	SD	10/21/25 16:04		Jaswal	OK
42	Q3392-08MS	MH-19MS	MS	10/21/25 16:09		Jaswal	OK
43	Q3392-08MSD	MH-19MSD	MSD	10/21/25 16:13		Jaswal	OK
44	Q3392-08A	MH-19A	PS	10/21/25 16:17	0.1ml of each m6008 and m6017 in 10ml sample.	Jaswal	OK
45	PB170147TB	PB170147TB	MB	10/21/25 16:21		Jaswal	OK
46	Q3411-01	Q4-WASTEWATER	SAM	10/21/25 16:26		Jaswal	OK
47	Q3401-01	41-CONCRETE	SAM	10/21/25 16:30		Jaswal	OK
48	Q3402-01	41-LA	SAM	10/21/25 16:34		Jaswal	OK
49	Q3402-04	41-RA	SAM	10/21/25 16:40		Jaswal	OK
50	Q3402-07	41-LB	SAM	10/21/25 16:44		Jaswal	OK
51	CCV04	CCV04	CCV	10/21/25 16:48		Jaswal	OK
52	CCB04	CCB04	CCB	10/21/25 16:52		Jaswal	OK
53	Q3402-10	41-RB	SAM	10/21/25 16:56		Jaswal	OK
54	Q3403-01	MH-18	SAM	10/21/25 17:00		Jaswal	OK
55	Q3397-01	TP-7-WC	SAM	10/21/25 17:04		Jaswal	OK
56	Q3397-01DUP	TP-7-WCDUP	DUP	10/21/25 17:08		Jaswal	OK
57	Q3397-01L	TP-7-WCL	SD	10/21/25 17:12		Jaswal	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB137613

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Supervise By	jaswal	Supervise On	10/24/2025 6:34:14 PM
STD. NAME	STD REF.#		
ICAL Standard	MP87637,MP87643,MP87641,MP87640,MP87639,MP87638		
ICV Standard	MP87644,MP87643		
CCV Standard	MP87647		
ICSA Standard	MP87645,MP87646		
CRI Standard	MP87643		
LCS Standard			
Chk Standard	MP87668,MP87648,MP87651,MP87649,MP87650		

58	Q3397-01MS	TP-7-WCMS	MS	10/21/25 17:16		Jaswal	OK
59	Q3397-01MSD	TP-7-WCMSD	MSD	10/21/25 17:20		Jaswal	OK
60	Q3397-01A	TP-7-WCA	PS	10/21/25 17:24	0.1ml of each m6008 and m6017 in 10ml sample.	Jaswal	OK
61	PB170192BL	PB170192BL	MB	10/21/25 17:28		Jaswal	OK
62	PB170192BS	PB170192BS	LCS	10/21/25 17:33		Jaswal	OK
63	CCV05	CCV05	CCV	10/21/25 17:37		Jaswal	OK
64	CCB05	CCB05	CCB	10/21/25 17:41		Jaswal	OK
65	Q3365-01	MW25	SAM	10/21/25 17:45	Na is high, Need dilution	Jaswal	Dilution
66	Q3365-02	MW2D	SAM	10/21/25 17:49	Na is high, Need dilution	Jaswal	Dilution
67	Q3365-03	SUPPLY	SAM	10/21/25 17:53		Jaswal	OK
68	Q3365-04	17 HARVEY	SAM	10/21/25 17:58		Jaswal	OK
69	Q3365-05	19 HARVEY	SAM	10/21/25 18:02		Jaswal	OK
70	Q3370-01	WATER-TREATMENT	SAM	10/21/25 18:06		Jaswal	OK
71	Q3370-01DUP	WATER-TREATMENT	DUP	10/21/25 18:11		Jaswal	OK
72	Q3370-01L	WATER-TREATMENT	SD	10/21/25 18:15		Jaswal	OK
73	Q3370-01MS	WATER-TREATMENT	MS	10/21/25 18:19		Jaswal	OK
74	Q3370-01MSD	WATER-TREATMENT	MSD	10/21/25 18:23		Jaswal	OK
75	CCV06	CCV06	CCV	10/21/25 18:27		Jaswal	OK
76	CCB06	CCB06	CCB	10/21/25 18:31		Jaswal	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB137613

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ICAL Standard	MP87637,MP87643,MP87641,MP87640,MP87639,MP87638		
ICV Standard	MP87644,MP87643		
CCV Standard	MP87647		
ICSA Standard	MP87645,MP87646		
CRI Standard	MP87643		
LCS Standard			
Chk Standard	MP87668,MP87648,MP87651,MP87649,MP87650		

77	Q3370-01A	WATER-TREATMENT	PS	10/21/25 18:36	0.1ml of each m6008 and m6017 in 10ml sample.	Jaswal	OK
78	Q3376-07	PR132-FB01-202510	SAM	10/21/25 18:40		Jaswal	OK
79	Q3400-01	FRAC-TANK-0760450	SAM	10/21/25 18:44		Jaswal	OK
80	Q3398-01	A748	SAM	10/21/25 18:48	BAD Injection	Jaswal	Not Ok
81	Q3399-01	COMP-ROLLOFF	SAM	10/21/25 19:01		Jaswal	OK
82	Q3405-01	PAD-10-20-25-A	SAM	10/21/25 19:05		Jaswal	OK
83	Q3405-02	PAD-10-20-25-B	SAM	10/21/25 19:09		Jaswal	OK
84	Q3405-03	PAD-10-20-25-C	SAM	10/21/25 19:14		Jaswal	OK
85	CCV07	CCV07	CCV	10/21/25 19:18		Jaswal	OK
86	CCB07	CCB07	CCB	10/21/25 19:22		Jaswal	OK
87	Q3405-04	SW-10-20-25	SAM	10/21/25 19:26		Jaswal	OK
88	Q3409-01	EXCAVATION-AREA-	SAM	10/21/25 19:31		Jaswal	OK
89	Q3409-02	EXCAVATION-AREA-	SAM	10/21/25 19:35		Jaswal	OK
90	Q3412-01	TP-6	SAM	10/21/25 19:39	MS/MSD Fail for more then 50% Parameters	Jaswal	Not Ok
91	Q3412-01DUP	TP-6DUP	DUP	10/21/25 19:43	MS/MSD Fail for more then 50% Parameters	Jaswal	Not Ok
92	Q3412-01L	TP-6L	SD	10/21/25 19:47	MS/MSD Fail for more then 50% Parameters	Jaswal	Not Ok
93	Q3412-01MS	TP-6MS	MS	10/21/25 19:51	MS/MSD Fail for more then 50% Parameters	Jaswal	Not Ok
94	Q3412-01MSD	TP-6MSD	MSD	10/21/25 19:55	MS/MSD Fail for more then 50% Parameters	Jaswal	Not Ok

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB137613

Review By	Janvi	Review On	10/23/2025 4:36:41 PM
Supervise By	jaswal	Supervise On	10/24/2025 6:34:14 PM
STD. NAME	STD REF.#		
ICAL Standard	MP87637,MP87643,MP87641,MP87640,MP87639,MP87638		
ICV Standard	MP87644,MP87643		
CCV Standard	MP87647		
ICSA Standard	MP87645,MP87646		
CRI Standard	MP87643		
LCS Standard			
Chk Standard	MP87668,MP87648,MP87651,MP87649,MP87650		

95	Q3412-01A	TP-6A	PS	10/21/25 19:59	MS/MSD Fail for more then 50% Parameters	Jaswal	Not Ok
96	CCV08	CCV08	CCV	10/21/25 20:03		Jaswal	OK
97	CCB08	CCB08	CCB	10/21/25 20:07		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: 10/21/2025 Time : 16:10 Temp : 96 °C

End Digest Date: 10/21/2025 Time : 19:10 Temp : 96 °C

Digestion tube ID: M5595 17:20

Block thermometer ID: MET-DIG. #1

Dig Technician Signature: S14

Supervisor Signature: [Signature]

Temp : 1. 96°C 2. N/A

Standard Name	MLS USED	STD REF. # FROM LOG
LFS-1	0.25	M6209
LFS-2	0.25	M6201
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

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

Extraction Conformance/Non-Conformance Comments:

HOT BLOCK#1 CELL#50 96C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
10/21/25 17:25	S14 met dig	MS - metal lab
	Preparation Group	Analysis Group

Lab Sample ID	Client Sample ID	pH	Initial Vol (ml)	Final Vol (ml)	Color Before	Color After	Clarity Before	Clarity After	Comment	Prep Pos
PB170192BL	PBW192	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	1
PB170192BS	LCS192	<2	50	25	Colorless	Colorless	Clear	Clear	M6209,M6201	2
Q3365-01	MW25	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	3
Q3365-02	MW2D	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	4
Q3365-03	SUPPLY	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	5
Q3365-04	17 HARVEY	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	6
Q3365-05	19 HARVEY	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	7
Q3370-01	WATER-TREATMENT DISCHARGE	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	8
Q3370-01MS	WATER-TREATMENT DISCHARGE MS	<2	50	25	Colorless	Colorless	Clear	Clear	M6209,M6201	10
Q3370-01MSD	WATER-TREATMENT DISCHARGE MSD	<2	50	25	Colorless	Colorless	Clear	Clear	M6209,M6201	11
Q3370-01DUP	WATER-TREATMENT DISCHARGE DUP	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	9
Q3376-07	PR132-FB01-20251016	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	12
Q3398-01	A748	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	13
Q3400-01	FRAC-TANK-0760450	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	14