



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

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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

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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
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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



METAL CALIBRATION DATA

Metals

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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
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

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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

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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

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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

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INTERFERENCE CHECK SAMPLE

Client: VERINA CONSULTING GROUP, LLC

SDG No.: Q3020

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	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
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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
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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 DISCHARGE</u> MSD
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



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Metals
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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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- 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.:** 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

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

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

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
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 INTERELEMEN 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



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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:				
		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

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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:				
		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



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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

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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

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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

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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