



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

SDG No.: P4763 **Order ID:** P4763
Client: VERINA CONSULTING GROUP, LLC **Project ID:** Rotor Clip - PO# 5183.0001

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : Water Treatment Discharge								
P4763-01	Water Treatment Discharge	Water	Chromium	47.6		0.66	5.00	ug/L
P4763-01	Water Treatment Discharge	Water	Copper	14.7		7.07	10.0	ug/L
P4763-01	Water Treatment Discharge	Water	Nickel	18.4	J	0.85	20.0	ug/L
P4763-01	Water Treatment Discharge	Water	Zinc	88.2		1.75	20.0	ug/L



SAMPLE DATA

Report of Analysis

Client:	VERINA CONSULTING GROUP, LLC	Date Collected:	11/07/24
Project:	Rotor Clip - PO# 5183.0001	Date Received:	11/07/24
Client Sample ID:	Water Treatment Discharge	SDG No.:	P4763
Lab Sample ID:	P4763-01	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	47.6		1	0.66	5.00	ug/L	11/08/24 12:30	11/11/24 16:30	SW6010	SW3010
7440-50-8	Copper	14.7		1	7.07	10.0	ug/L	11/08/24 12:30	11/11/24 16:30	SW6010	SW3010
7440-02-0	Nickel	18.4	J	1	0.85	20.0	ug/L	11/08/24 12:30	11/11/24 16:30	SW6010	SW3010
7440-66-6	Zinc	88.2	N	1	1.75	20.0	ug/L	11/08/24 12:30	11/11/24 16:30	SW6010	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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Client:	VERINA CONSULTING GROUP, LLC		SDG No.:	P4763	
Contract:	VERI01	Lab Code:	CHEM	Case No.:	P4763
				SAS No.:	P4763

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Chromium	10.0	+/-10.0	U	10.0	P	11/11/2024	14:52	LB133395
	Copper	20.0	+/-20.0	U	20.0	P	11/11/2024	14:52	LB133395
	Nickel	40.0	+/-40.0	U	40.0	P	11/11/2024	14:52	LB133395
	Zinc	40.0	+/-40.0	U	40.0	P	11/11/2024	14:52	LB133395

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: VERINA CONSULTING GROUP, LLC **SDG No.:** P4763
Contract: VERI01 **Lab Code:** CHEM **Case No.:** P4763 **SAS No.:** P4763

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Chromium	10.0	+/-10.0	U	10.0	P	11/11/2024	15:23	LB133395
	Copper	20.0	+/-20.0	U	20.0	P	11/11/2024	15:23	LB133395
	Nickel	40.0	+/-40.0	U	40.0	P	11/11/2024	15:23	LB133395
	Zinc	40.0	+/-40.0	U	40.0	P	11/11/2024	15:23	LB133395
CCB02	Chromium	10.0	+/-10.0	U	10.0	P	11/11/2024	15:42	LB133395
	Copper	20.0	+/-20.0	U	20.0	P	11/11/2024	15:42	LB133395
	Nickel	40.0	+/-40.0	U	40.0	P	11/11/2024	15:42	LB133395
	Zinc	40.0	+/-40.0	U	40.0	P	11/11/2024	15:42	LB133395
CCB03	Chromium	10.0	+/-10.0	U	10.0	P	11/11/2024	16:43	LB133395
	Copper	20.0	+/-20.0	U	20.0	P	11/11/2024	16:43	LB133395
	Nickel	40.0	+/-40.0	U	40.0	P	11/11/2024	16:43	LB133395
	Zinc	40.0	+/-40.0	U	40.0	P	11/11/2024	16:43	LB133395
CCB04	Chromium	10.0	+/-10.0	U	10.0	P	11/11/2024	17:43	LB133395
	Copper	20.0	+/-20.0	U	20.0	P	11/11/2024	17:43	LB133395
	Nickel	40.0	+/-40.0	U	40.0	P	11/11/2024	17:43	LB133395
	Zinc	40.0	+/-40.0	U	40.0	P	11/11/2024	17:43	LB133395

Metals
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PREPARATION BLANK SUMMARY

Client: VERINA CONSULTING GROUP, LLC

SDG No.: P4763

Instrument: P4

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB164796BL	WATER			Batch Number:	PB164796		Prep Date:	11/08/2024	
	Chromium	5.00	<5.00	U	5.00	P	11/11/2024	17:16	LB133395
	Copper	10.0	<10.0	U	10.0	P	11/11/2024	17:16	LB133395
	Nickel	20.0	<20.0	U	20.0	P	11/11/2024	17:16	LB133395
	Zinc	20.0	<20.0	U	20.0	P	11/11/2024	17:16	LB133395



METAL CALIBRATION DATA

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: VERINA CONSULTING GROUP, LLC **SDG No.:** P4763
Contract: VERI01 **Lab Code:** CHEM **Case No.:** P4763 **SAS No.:** P4763
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	526	520	101	90 - 110	P	11/11/2024	14:25	LB133395
	Copper	534	510	105	90 - 110	P	11/11/2024	14:25	LB133395
	Nickel	520	530	98	90 - 110	P	11/11/2024	14:25	LB133395
	Zinc	1060	1000	106	90 - 110	P	11/11/2024	14:25	LB133395

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: VERINA CONSULTING GROUP, LLC **SDG No.:** P4763
Contract: VERI01 **Lab Code:** CHEM **Case No.:** P4763 **SAS No.:** P4763
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	8.58	10.0	86	80 - 120	P	11/11/2024	14:47	LB133395
	Copper	21.4	20.0	107	80 - 120	P	11/11/2024	14:47	LB133395
	Nickel	36.1	40.0	90	80 - 120	P	11/11/2024	14:47	LB133395
	Zinc	42.1	40.0	105	80 - 120	P	11/11/2024	14:47	LB133395

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: VERINA CONSULTING GROUP, LLC SDG No.: P4763
Contract: VERI01 Lab Code: CHEM Case No.: P4763 SAS No.: P4763
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	953	1000	95	90 - 110	P	11/11/2024	15:14	LB133395
	Copper	1250	1250	100	90 - 110	P	11/11/2024	15:14	LB133395
	Nickel	2410	2500	96	90 - 110	P	11/11/2024	15:14	LB133395
	Zinc	2530	2500	101	90 - 110	P	11/11/2024	15:14	LB133395
CCV02	Chromium	931	1000	93	90 - 110	P	11/11/2024	15:37	LB133395
	Copper	1210	1250	97	90 - 110	P	11/11/2024	15:37	LB133395
	Nickel	2340	2500	94	90 - 110	P	11/11/2024	15:37	LB133395
	Zinc	2480	2500	99	90 - 110	P	11/11/2024	15:37	LB133395
CCV03	Chromium	938	1000	94	90 - 110	P	11/11/2024	16:39	LB133395
	Copper	1230	1250	98	90 - 110	P	11/11/2024	16:39	LB133395
	Nickel	2370	2500	95	90 - 110	P	11/11/2024	16:39	LB133395
	Zinc	2490	2500	100	90 - 110	P	11/11/2024	16:39	LB133395
CCV04	Chromium	948	1000	95	90 - 110	P	11/11/2024	17:38	LB133395
	Copper	1280	1250	102	90 - 110	P	11/11/2024	17:38	LB133395
	Nickel	2440	2500	98	90 - 110	P	11/11/2024	17:38	LB133395
	Zinc	2510	2500	101	90 - 110	P	11/11/2024	17:38	LB133395



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Metals

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CRDL STANDARD FOR AA & ICP

Client: VERINA CONSULTING GROUP, LLC

SDG No.: P4763

Contract: VERI01

Lab Code: CHEM

Case No.: P4763

SAS No.: P4763

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	8.50	10.0	85	40 - 160	P	11/11/2024	14:59	LB133395
	Copper	20.7	20.0	104	40 - 160	P	11/11/2024	14:59	LB133395
	Nickel	36.2	40.0	90	40 - 160	P	11/11/2024	14:59	LB133395
	Zinc	41.1	40.0	103	40 - 160	P	11/11/2024	14:59	LB133395

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INTERFERENCE CHECK SAMPLE

Client: VERINA CONSULTING GROUP, LLC **SDG No.:** P4763
Contract: VERI01 **Lab Code:** CHEM **Case No.:** P4763 **SAS No.:** P4763
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	52.2	52.0	100	42	62	11/11/2024	15:04	LB133395
	Copper	15.3	2.0	765	-18	22	11/11/2024	15:04	LB133395
	Nickel	2.14	2.0	107	-38	42	11/11/2024	15:04	LB133395
	Zinc	-1.46			-40	40	11/11/2024	15:04	LB133395
ICSAB01	Chromium	541	542	100	460	624	11/11/2024	15:08	LB133395
	Copper	503	511	98	434	588	11/11/2024	15:08	LB133395
	Nickel	988	954	104	810	1100	11/11/2024	15:08	LB133395
	Zinc	834	952	88	809	1095	11/11/2024	15:08	LB133395



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>P4763</u>
contract: <u>VERI01</u>	lab code: <u>CHEM</u>	case no.: <u>P4763</u> sas no.: <u>P4763</u>
matrix: <u>Water</u>	sample id: <u>P4763-01</u>	client id: <u>Water Treatment DischargeMS</u>
Percent Solids for Sample: <u>NA</u>	Spiked ID: <u>P4763-01MS</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	228		47.6		200	90		P
Copper	ug/L	75 - 125	152		14.7		150	91		P
Nickel	ug/L	75 - 125	265		18.4	J	250	99		P
Zinc	ug/L	75 - 125	208		88.2		100	120		P

metals
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MATRIX SPIKE DUPLICATE SUMMARY

client: VERINA CONSULTING GROUP, LLC	level: low	sdg no.: P4763
contract: VERI01	lab code: CHEM	case no.: P4763 sas no.: P4763
matrix: Water	sample id: P4763-01	client id: Water Treatment DischargeMSD
Percent Solids for Sample: NA	Spiked ID: P4763-01MSD	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	75 - 125	230		47.6		200	91		P
Copper	ug/L	75 - 125	154		14.7		150	93		P
Nickel	ug/L	75 - 125	268		18.4	J	250	100		P
Zinc	ug/L	75 - 125	216		88.2		100	128	N	P

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POST DIGEST SPIKE SUMMARY

Client: VERINA CONSULTING GROUP, LLC

SDG No.: P4763

Contract: VERI01

Lab Code: CHEM

Case No.: P4763

SAS No.: P4763

Matrix: Water

Level: LOW

Client ID: Water Treatment DischargeA

Sample ID: P4763-01

Spiked ID: P4763-01A

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Zinc	ug/L	75 - 125	214		88.2		100	126		P

Metals

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DUPLICATE SAMPLE SUMMARY

Client: VERINA CONSULTING GROUP, LLC **Level:** LOW **SDG No.:** P4763

Contract: VERI01 **Lab Code:** CHEM **Case No.:** P4763 **SAS No.:** P4763

Matrix: Water **Sample ID:** P4763-01 **Client ID:** Water Treatment DischargeDUP

Percent Solids for Sample: NA **Duplicate ID** P4763-01DUP **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Chromium	ug/L	20	47.6		50.1		5		P
Copper	ug/L	20	14.7		15.6		6		P
Nickel	ug/L	20	18.4	J	19.6	J	6		P
Zinc	ug/L	20	88.2		95.3		8		P

Metals

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DUPLICATE SAMPLE SUMMARY

Client: VERINA CONSULTING GROUP, LLC **Level:** LOW **SDG No.:** P4763
Contract: VERI01 **Lab Code:** CHEM **Case No.:** P4763 **SAS No.:** P4763
Matrix: Water **Sample ID:** P4763-01MS **Client ID:** Water Treatment DischargeMSD
Percent Solids for Sample: NA **Duplicate ID** P4763-01MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Chromium	ug/L	20	228		230		1		P
Copper	ug/L	20	152		154		1		P
Nickel	ug/L	20	265		268		1		P
Zinc	ug/L	20	208		216		4		P

Metals

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LABORATORY CONTROL SAMPLE SUMMARY

Client: VERINA CONSULTING GROUP, LLC

SDG No.: P4763

Contract: VERI01

Lab Code: CHEM

Case No.: P4763

SAS No.: P4763

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB164796BS							
Chromium	ug/L	200	197		98	80 - 120	P
Copper	ug/L	150	158		105	80 - 120	P
Nickel	ug/L	250	246		98	80 - 120	P
Zinc	ug/L	100	107		107	80 - 120	P

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ICP SERIAL DILUTIONS

SAMPLE NO.

Water Treatment DischargeL

Lab Name: Chemtech Consulting Group **Contract:** VERI01
Lab Code: CHEM **Lb No.:** lb133395 **Lab Sample ID :** P4763-01L **SDG No.:** P4763
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	47.6		49.2		3			P
Copper	14.7		50.0	U	100.0			P
Nickel	18.4	J	19.1	J	4			P
Zinc	88.2		89.5	J	1			P

metals
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ANALYSIS RUN LOG

Client: VERINA CONSULTING GROUP, LLC

Contract: VERI01

Lab code: CHEM

Case no.: P4763

Sas no.: P4763

Sdg no.: P4763

Instrument id number:

Method:

Run number: LB133395

Start date: 11/11/2024

End date: 11/11/2024

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1359	Cr,Cu,Ni,Zn
S1	S1	1	1404	Cr,Cu,Ni,Zn
S2	S2	1	1408	Cr,Cu,Ni,Zn
S3	S3	1	1412	Cr,Cu,Ni,Zn
S4	S4	1	1417	Cr,Cu,Ni,Zn
S5	S5	1	1421	Cr,Cu,Ni,Zn
ICV01	ICV01	1	1425	Cr,Cu,Ni,Zn
LLICV01	LLICV01	1	1447	Cr,Cu,Ni,Zn
ICB01	ICB01	1	1452	Cr,Cu,Ni,Zn
CRI01	CRI01	1	1459	Cr,Cu,Ni,Zn
ICSA01	ICSA01	1	1504	Cr,Cu,Ni,Zn
ICSAB01	ICSAB01	1	1508	Cr,Cu,Ni,Zn
CCV01	CCV01	1	1514	Cr,Cu,Ni,Zn
CCB01	CCB01	1	1523	Cr,Cu,Ni,Zn
CCV02	CCV02	1	1537	Cr,Cu,Ni,Zn
CCB02	CCB02	1	1542	Cr,Cu,Ni,Zn
P4763-01	Water Treatment Discharge	1	1630	Cr,Cu,Ni,Zn
CCV03	CCV03	1	1639	Cr,Cu,Ni,Zn
CCB03	CCB03	1	1643	Cr,Cu,Ni,Zn
P4763-01DUP	Water Treatment DischargeDUP	1	1655	Cr,Cu,Ni,Zn
P4763-01L	Water Treatment DischargeL	5	1659	Cr,Cu,Ni,Zn
P4763-01MS	Water Treatment DischargeMS	1	1704	Cr,Cu,Ni,Zn
P4763-01MSD	Water Treatment DischargeMSD	1	1708	Cr,Cu,Ni,Zn
P4763-01A	Water Treatment DischargeA	1	1712	Zn
PB164796BL	PB164796BL	1	1716	Cr,Cu,Ni,Zn
PB164796BS	PB164796BS	1	1720	Cr,Cu,Ni,Zn
CCV04	CCV04	1	1738	Cr,Cu,Ni,Zn
CCB04	CCB04	1	1743	Cr,Cu,Ni,Zn



METAL PREPARATION & INSTRUMENT DATA

Metals

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ICP INTERELEMENT CORRECTION FACTORS

Client: VERINA CONSULTING GROUP, LLC

SDG No.: P4763

Contract: VERI01

Lab Code: CHEM

Case No.: P4763

SAS No.: P4763

Instrument ID: _____

Date: _____

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave- Length (nm)	ICP Interelement 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.: P4763

Contract: VERI01

Lab Code: CHEM

Case No.: P4763

SAS No.: P4763

Instrument ID: _____

Date: _____

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave- Length (nm)	ICP Interelement 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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ICP INTERELEMENT CORRECTION FACTORS

Client:

VERINA CONSULTING GROUP, LLC

Contract:

VERI01

Instrument ID:

SDG No.:

P4763

Case No.:

P4763

Date:

Lab Code:

CHEM

SAS No.:

P4763

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

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



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Metals

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ICP INTERELEMENT CORRECTION FACTORS

Client: VERINA CONSULTING GROUP, LLC

SDG No.: P4763

Contract: VERI01

Lab Code: CHEM

Case No.: P4763

SAS No.: P4763

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



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Metals

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ICP INTERELEMENT CORRECTION FACTORS

Client: VERINA CONSULTING GROUP, LLC

SDG No.: P4763

Contract: VERI01

Lab Code: CHEM

Case No.: P4763

SAS No.: P4763

Instrument ID:

Date:

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave- Length (nm)	ICP Interelement 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:	P4763	OrderDate:	11/7/2024 12:44:00 PM
Client:	VERINA CONSULTING GROUP, LLC	Project:	Rotor Clip - PO# 5183.0001
Contact:	Michael Valenzi	Location:	L11

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4763-01	Water Treatment Discharge	Water	Metals Group4	6010D	11/07/24	11/08/24	11/11/24	11/07/24



METAL PREPARATION & ANALYICAL SUMMARY

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SAMPLE PREPARATION SUMMARY

Client:	<u>VERINA CONSULTING GROUP, LLC</u>	SDG No.:	<u>P4763</u>
Contract:	<u>VERI01</u>	Lab Code:	<u>CHEM</u>
		Method:	<u></u>
		Case No.:	<u>P4763</u>
		SAS No.:	<u>P4763</u>

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(mL)	Final Sample Volume (mL)	Percent Solids
Batch Number: PB164796							
P4763-01	Water Treatment Discharge	SAM	WATER	11/08/2024	50.0	25.0	
P4763-01DUP	Water Treatment DischargeDUP	DUP	WATER	11/08/2024	50.0	25.0	
P4763-01MS	Water Treatment DischargeMS	MS	WATER	11/08/2024	50.0	25.0	
P4763-01MSD	Water Treatment DischargeMSD	MSD	WATER	11/08/2024	50.0	25.0	
PB164796BL	PB164796BL	MB	WATER	11/08/2024	50.0	25.0	
PB164796BS	PB164796BS	LCS	WATER	11/08/2024	50.0	25.0	

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB133395

Review By	kareem	Review On	11/12/2024 2:12:26 PM
Supervise By	jaswal	Supervise On	11/12/2024 9:51:41 PM
STD. NAME	STD REF.#		
ICAL Standard	MP83078,MP8379,MP83080,MP83081,MP83082,MP83084		
ICV Standard	MP83085		
CCV Standard	MP83088		
ICSA Standard	MP83086,MP83087		
CRI Standard	MP83084		
LCS Standard			
Chk Standard	MP83091,MP83092		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	11/11/24 13:59		Kareem	OK
2	S1	S1	CAL2	11/11/24 14:04		Kareem	OK
3	S2	S2	CAL3	11/11/24 14:08		Kareem	OK
4	S3	S3	CAL4	11/11/24 14:12		Kareem	OK
5	S4	S4	CAL5	11/11/24 14:17		Kareem	OK
6	S5	S5	CAL6	11/11/24 14:21		Kareem	OK
7	ICV01	ICV01	ICV	11/11/24 14:25		Kareem	OK
8	LLICV01	LLICV01	LLICV	11/11/24 14:47		Kareem	OK
9	ICB01	ICB01	ICB	11/11/24 14:52		Kareem	OK
10	CRI01	CRI01	CRDL	11/11/24 14:59		Kareem	OK
11	ICSA01	ICSA01	ICSA	11/11/24 15:04		Kareem	OK
12	ICSAB01	ICSAB01	ICSAB	11/11/24 15:08		Kareem	OK
13	CCV01	CCV01	CCV	11/11/24 15:14		Kareem	OK
14	CCB01	CCB01	CCB	11/11/24 15:23		Kareem	OK
15	P4797-01	2885	SAM	11/11/24 15:28		Kareem	OK
16	P4701-04	BP-F3	SAM	11/11/24 15:33		Kareem	OK
17	CCV02	CCV02	CCV	11/11/24 15:37		Kareem	OK
18	CCB02	CCB02	CCB	11/11/24 15:42		Kareem	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB133395

Review By	kareem	Review On	11/12/2024 2:12:26 PM
Supervise By	jaswal	Supervise On	11/12/2024 9:51:41 PM
STD. NAME	STD REF.#		
ICAL Standard	MP83078,MP8379,MP83080,MP83081,MP83082,MP83084		
ICV Standard	MP83085		
CCV Standard	MP83088		
ICSA Standard	MP83086,MP83087		
CRI Standard	MP83084		
LCS Standard			
Chk Standard	MP83091,MP83092		

19	P4791-02	HINCHMAN-OILY-WA	SAM	11/11/24 15:46		Kareem	OK
20	P4791-02DUP	HINCHMAN-OILY-WA	DUP	11/11/24 15:51		Kareem	OK
21	P4791-02L	HINCHMAN-OILY-WA	SD	11/11/24 15:55		Kareem	OK
22	P4791-02MS	HINCHMAN-OILY-WA	MS	11/11/24 15:59	0.1ML OF M6010 AND M6001 WERE ADDED TO 10ML OF SAMPLE	Kareem	OK
23	P4791-02MSD	HINCHMAN-OILY-WA	MSD	11/11/24 16:03	0.1ML OF M6010 AND M6001 WERE ADDED TO 10ML OF SAMPLE	Kareem	OK
24	P4791-02A	HINCHMAN-OILY-WA	PS	11/11/24 16:07	0.1ML OF M6010 AND M6001 WERE ADDED TO 10ML OF SAMPLE	Kareem	OK
25	P4792-04	MANHOLE-WASTE-D	SAM	11/11/24 16:11		Kareem	OK
26	PB164826BL	PB164826BL	MB	11/11/24 16:22		Kareem	OK
27	PB164826BS	PB164826BS	LCS	11/11/24 16:26	0.1ML OF M6010 AND M6001 WERE ADDED TO 10ML OF SAMPLE	Kareem	OK
28	P4763-01	Water Treatment Disc	SAM	11/11/24 16:30		Kareem	OK
29	CCV03	CCV03	CCV	11/11/24 16:39		Kareem	OK
30	CCB03	CCB03	CCB	11/11/24 16:43		Kareem	OK
31	P4763-01DUP	Water Treatment Disc	DUP	11/11/24 16:55		Kareem	OK
32	P4763-01L	Water Treatment Disc	SD	11/11/24 16:59		Kareem	OK
33	P4763-01MS	Water Treatment Disc	MS	11/11/24 17:04	0.1ML OF M6010 AND M6001 WERE ADDED TO 10ML OF SAMPLE	Kareem	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB133395

Review By	kareem	Review On	11/12/2024 2:12:26 PM
Supervise By	jaswal	Supervise On	11/12/2024 9:51:41 PM

STD. NAME	STD REF.#
ICAL Standard	MP83078,MP8379,MP83080,MP83081,MP83082,MP83084
ICV Standard	MP83085
CCV Standard	MP83088
ICSA Standard	MP83086,MP83087
CRI Standard	MP83084
LCS Standard	
Chk Standard	MP83091,MP83092

34	P4763-01MSD	Water Treatment Disc	MSD	11/11/24 17:08	0.1ML OF M6010 AND M6001 WERE ADDED TO 10ML OF SAMPLE	Kareem	OK
35	P4763-01A	Water Treatment Disc	PS	11/11/24 17:12	0.1ML OF M6010 AND M6001 WERE ADDED TO 10ML OF SAMPLE	Kareem	OK
36	PB164796BL	PB164796BL	MB	11/11/24 17:16		Kareem	OK
37	PB164796BS	PB164796BS	LCS	11/11/24 17:20	0.1ML OF M6010 AND M6001 WERE ADDED TO 10ML OF SAMPLE	Kareem	OK
38	LR1	LR1	HIGH STD	11/11/24 17:28		Kareem	OK
39	LR2	LR2	HIGH STD	11/11/24 17:33		Kareem	OK
40	CCV04	CCV04	CCV	11/11/24 17:38		Kareem	OK
41	CCB04	CCB04	CCB	11/11/24 17:43		Kareem	OK

SOP ID : M3010A-Digestion-17

SDG No : N/A

Matrix : WATER

Pipette ID: ICP A

Balance ID : M SC-2

Filter paper ID : N/A

pH Strip ID : M6069

Hood ID : #3

Block ID: 1. HOT BLOCK #3 2. N/A

Start Digest Date: 11/08/2024 Time : 12:30 Temp : 96 °C

End Digest Date: 11/08/2024 Time : 15:35 Temp : 96 °C

Digestion tube ID: M6054

Block thermometer ID: MET-DIG. #3

Dig Technician Signature: *JSP*

Supervisor Signature: *[Signature]*

Temp : 1. 96°C 2. N/A

Standard Name	MLS USED	STD REF. # FROM LOG
LFS-1	0.25	M6000
LFS-2	0.25	M6009
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	M6116
1:1 HCL	5.00	MP82127
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
11/8/24 16:00	<i>JSP Met dig</i>	<i>[Signature]</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
P4763-01	WATER TREATMENT DISCHARGE	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	1
P4763-01DUP	WATER TREATMENT DISCHARGE DUP	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	2
P4763-01MS	WATER TREATMENT DISCHARGE MS	<2	50	25	Colorless	Colorless	Clear	Clear	M6000,M6009	3
P4763-01MSD	WATER TREATMENT DISCHARGE MSD	<2	50	25	Colorless	Colorless	Clear	Clear	M6000,M6009	4
PB164796BL	PBW796	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	5
PB164796BS	LCS796	<2	50	25	Colorless	Colorless	Clear	Clear	M6000,M6009	6



SAMPLE DATA

Report of Analysis

Client:	VERINA CONSULTING GROUP, LLC	Date Collected:	11/07/24 10:13
Project:	Rotor Clip - PO# 5183.0001	Date Received:	11/07/24
Client Sample ID:	Water Treatment Discharge	SDG No.:	P4763
Lab Sample ID:	P4763-01	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Ammonia as N	0.42		1	0.045	0.10	mg/L	11/08/24 09:30	11/08/24 13:39	SM 4500-NH3 B plus G-11
Residual Chlorine	0.024	HJ	1	0.016	0.10	mg/L		11/08/24 09:42	SM 4500-Cl G-11

Comments: _____

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

H = Sample Analysis Out Of Hold Time

J = Estimated Value

B = Analyte Found in Associated Method Blank

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

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

OR = Over Range

N =Spiked sample recovery not within control limits



QC RESULT SUMMARY

Initial and Continuing Calibration Verification

Client: VERINA CONSULTING GROUP, LLC

SDG No.: P4763

Project: Rotor Clip - PO# 5183.0001

RunNo.: LB133358

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	11/08/2024
Sample ID: CCV1 Ammonia as N	mg/L	1	1	100	90-110	11/08/2024
Sample ID: CCV2 Ammonia as N	mg/L	0.97	1	97	90-110	11/08/2024
Sample ID: CCV3 Ammonia as N	mg/L	1	1	100	90-110	11/08/2024
Sample ID: CCV4 Ammonia as N	mg/L	1	1	100	90-110	11/08/2024
Sample ID: CCV5 Ammonia as N	mg/L	0.96	1	96	90-110	11/08/2024

Initial and Continuing Calibration Verification

Client: VERINA CONSULTING GROUP, LLC

SDG No.: P4763

Project: Rotor Clip - PO# 5183.0001

RunNo.: LB133363

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV Residual Chlorine	mg/L	0.407	0.4	102	90-110	11/08/2024
Sample ID: CCV1 Residual Chlorine	mg/L	0.397	0.4	99	90-110	11/08/2024
Sample ID: CCV2 Residual Chlorine	mg/L	0.397	0.4	99	90-110	11/08/2024

Initial and Continuing Calibration Blank Summary

Client: VERINA CONSULTING GROUP, LLC

SDG No.: P4763

Project: Rotor Clip - PO# 5183.0001

RunNo.: LB133358

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: ICB1 Ammonia as N	mg/L	< 0.0500	0.0500	U	0.045	0.1	11/08/2024
Sample ID: CCB1 Ammonia as N	mg/L	< 0.0500	0.0500	U	0.045	0.1	11/08/2024
Sample ID: CCB2 Ammonia as N	mg/L	< 0.0500	0.0500	U	0.045	0.1	11/08/2024
Sample ID: CCB3 Ammonia as N	mg/L	< 0.0500	0.0500	U	0.045	0.1	11/08/2024
Sample ID: CCB4 Ammonia as N	mg/L	< 0.0500	0.0500	U	0.045	0.1	11/08/2024
Sample ID: CCB5 Ammonia as N	mg/L	< 0.0500	0.0500	U	0.045	0.1	11/08/2024

Initial and Continuing Calibration Blank Summary

Client: VERINA CONSULTING GROUP, LLC

SDG No.: P4763

Project: Rotor Clip - PO# 5183.0001

RunNo.: LB133363

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: ICB Residual Chlorine	mg/L	< 0.0500	0.0500	U	0.016	0.1	11/08/2024
Sample ID: CCB1 Residual Chlorine	mg/L	< 0.0500	0.0500	U	0.016	0.1	11/08/2024
Sample ID: CCB2 Residual Chlorine	mg/L	< 0.0500	0.0500	U	0.016	0.1	11/08/2024

Preparation Blank Summary

Client: VERINA CONSULTING GROUP, LLC

SDG No.: P4763

Project: Rotor Clip - PO# 5183.0001

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: LB133363BL							
Residual Chlorine	mg/L	< 0.0500	0.0500	U	0.016	0.1	11/08/2024
Sample ID: PB164764BL							
Ammonia as N	mg/L	< 0.0500	0.0500	U	0.045	0.1	11/08/2024

Matrix Spike Summary

Client:	VERINA CONSULTING GROUP, LLC	SDG No.:	P4763
Project:	Rotor Clip - PO# 5183.0001	Sample ID:	P4763-01
Client ID:	Water Treatment DischargeMS	Percent Solids for Spike Sample:	0

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Residual Chlorine	mg/L	71-148	0.43		0.024	J	0.4	1	101		11/08/2024
Ammonia as N	mg/L	75-125	1.00		0.42		1	1	58	*	11/08/2024

Matrix Spike Summary

Client:	VERINA CONSULTING GROUP, LLC	SDG No.:	P4763
Project:	Rotor Clip - PO# 5183.0001	Sample ID:	P4763-01
Client ID:	Water Treatment DischargeMSD	Percent Solids for Spike Sample:	0

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Residual Chlorine	mg/L	71-148	0.44		0.024	J	0.4	1	104		11/08/2024
Ammonia as N	mg/L	75-125	0.98		0.42		1	1	56	*	11/08/2024

Duplicate Sample Summary

Client: VERINA CONSULTING GROUP, LLC	SDG No.: P4763
Project: Rotor Clip - PO# 5183.0001	Sample ID: P4763-01
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
Ammonia as N	mg/L	+/-20	0.42		0.44		1	5		11/08/2024
Residual Chlorine	mg/L	+/-20	0.024	J	0.026	J	1	8		11/08/2024

Duplicate Sample Summary

Client:	VERINA CONSULTING GROUP, LLC	SDG No.:	P4763
Project:	Rotor Clip - PO# 5183.0001	Sample ID:	P4763-01
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
Ammonia as N	mg/L	+/-20	1.00		0.98		1	2		11/08/2024
Residual Chlorine	mg/L	+/-20	0.43		0.44		1	2.54		11/08/2024

Laboratory Control Sample Summary

Client:	VERINA CONSULTING GROUP, LLC	SDG No.:	P4763
Project:	Rotor Clip - PO# 5183.0001	Run No.:	LB133363

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LB133363BS							
Residual Chlorine	mg/L	0.4	0.41		102	1	90-110	11/08/2024

Laboratory Control Sample Summary

Client:	VERINA CONSULTING GROUP, LLC	SDG No.:	P4763
Project:	Rotor Clip - PO# 5183.0001	Run No.:	LB133358

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	PB164764BS							
Ammonia as N	mg/L	1	0.98		98	1	90-110	11/08/2024

Instrument ID: KONELAB

Daily Analysis Runlog For Sequence/QC Batch ID # LB133358

Review By	rubina	Review On	11/11/2024 11:41:51 AM
Supervise By	Iwona	Supervise On	11/11/2024 11:46:49 AM
SubDirectory	LB133358	Test	Ammonia
STD. NAME	STD REF.#		
ICAL Standard	WP110607		
ICV Standard	WP110609		
CCV Standard	WP110608		
ICSA Standard	N/A		
CRI Standard	N/A		
LCS Standard	WP110181		
Chk Standard	WP110416,WP110019,WP108709,WP108840		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	0.1PPM	0.1PPM	CAL1	11/08/24 12:11		rubina	OK
2	0.2PPM	0.2PPM	CAL2	11/08/24 12:11		rubina	OK
3	0.4PPM	0.4PPM	CAL3	11/08/24 12:11		rubina	OK
4	1.0PPM	1.0PPM	CAL4	11/08/24 12:11		rubina	OK
5	1.3PPM	1.3PPM	CAL5	11/08/24 12:11		rubina	OK
6	2.0PPM	2.0PPM	CAL6	11/08/24 12:11		rubina	OK
7	ICV1	ICV1	ICV	11/08/24 13:06		rubina	OK
8	ICB1	ICB1	ICB	11/08/24 13:06		rubina	OK
9	CCV1	CCV1	CCV	11/08/24 13:06		rubina	OK
10	CCB1	CCB1	CCB	11/08/24 13:06		rubina	OK
11	RL	RL	SAM	11/08/24 13:06		rubina	OK
12	PB164763BL	PB164763BL	MB	11/08/24 13:07		rubina	OK
13	PB164763BS	PB164763BS	LCS	11/08/24 13:17		rubina	OK
14	P4722-03	WC-1(0-6)	SAM	11/08/24 13:17		rubina	OK
15	P4722-08	WC-2(0-6)	SAM	11/08/24 13:17		rubina	OK
16	RL	RL	SAM	11/08/24 13:17		rubina	OK
17	CCV2	CCV2	CCV	11/08/24 13:28		rubina	OK
18	CCB2	CCB2	CCB	11/08/24 13:28		rubina	OK

Instrument ID: KONELAB

Daily Analysis Runlog For Sequence/QC Batch ID # LB133358

Review By	rubina	Review On	11/11/2024 11:41:51 AM
Supervise By	Iwona	Supervise On	11/11/2024 11:46:49 AM
SubDirectory	LB133358	Test	Ammonia
STD. NAME	STD REF.#		
ICAL Standard	WP110607		
ICV Standard	WP110609		
CCV Standard	WP110608		
ICSA Standard	N/A		
CRI Standard	N/A		
LCS Standard	WP110181		
Chk Standard	WP110416,WP110019,WP108709,WP108840		

19	PB164764BL	PB164764BL	MB	11/08/24 13:28		rubina	OK
20	PB164764BS	PB164764BS	LCS	11/08/24 13:28		rubina	OK
21	P4735-01	EFFLUENT	SAM	11/08/24 13:28	High	rubina	Dilution
22	P4735-05	INFLUENT	SAM	11/08/24 13:39	High	rubina	Dilution
23	P4763-01	Water Treatment Disc	SAM	11/08/24 13:39		rubina	OK
24	P4763-01DUP	Water Treatment Disc	DUP	11/08/24 13:39		rubina	OK
25	P4763-01MS	Water Treatment Disc	MS	11/08/24 13:39		rubina	OK
26	P4763-01MSD	Water Treatment Disc	MSD	11/08/24 13:39		rubina	OK
27	P4765-01	DSN002	SAM	11/08/24 13:39		rubina	OK
28	P4765-03	DSN001	SAM	11/08/24 13:49		rubina	OK
29	CCV3	CCV3	CCV	11/08/24 13:49		rubina	OK
30	CCB3	CCB3	CCB	11/08/24 13:49		rubina	OK
31	P4765-05	DSN003	SAM	11/08/24 13:49		rubina	OK
32	CCV4	CCV4	CCV	11/08/24 13:49		rubina	OK
33	CCB4	CCB4	CCB	11/08/24 13:49		rubina	OK
34	P4722-13	WC-3(0-6)	SAM	11/08/24 14:24		rubina	OK
35	P4722-13DUP	WC-3(0-6)DUP	DUP	11/08/24 14:24		rubina	OK
36	P4722-13MS	WC-3(0-6)MS	MS	11/08/24 14:24		rubina	OK
37	P4722-13MSD	WC-3(0-6)MSD	MSD	11/08/24 14:24		rubina	OK
38	P4735-01DL	EFFLUENTDL	SAM	11/08/24 14:24	Report 10X	rubina	Confirms

Instrument ID: KONELAB

Daily Analysis Runlog For Sequence/QC Batch ID # LB133358

Review By	rubina	Review On	11/11/2024 11:41:51 AM
Supervise By	Iwona	Supervise On	11/11/2024 11:46:49 AM
SubDirectory	LB133358	Test	Ammonia
STD. NAME	STD REF.#		
ICAL Standard	WP110607		
ICV Standard	WP110609		
CCV Standard	WP110608		
ICSA Standard	N/A		
CRI Standard	N/A		
LCS Standard	WP110181		
Chk Standard	WP110416,WP110019,WP108709,WP108840		

39	P4735-05DL	INFLUENTDL	SAM	11/08/24 14:24	Report 5X	rubina	Confirms
40	CCV5	CCV5	CCV	11/08/24 14:24		rubina	OK
41	CCB5	CCB5	CCB	11/08/24 14:24		rubina	OK

Instrument ID: SPECTROPHOTOMETER-1

Daily Analysis Runlog For Sequence/QC Batch ID # LB133363

Review By	Niha	Review On	11/8/2024 4:53:59 PM
Supervise By	jignesh	Supervise On	11/8/2024 4:59:40 PM
SubDirectory	LB133363	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	WP110619,WP110618,WP110613,WP110614,WP110615,WP110612,WP110616,WP110620,WP110617,W3147		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	CAL1	CAL1	CAL	11/08/24 09:00		Niha	OK
2	CAL2	CAL2	CAL	11/08/24 09:03		Niha	OK
3	CAL3	CAL3	CAL	11/08/24 09:06		Niha	OK
4	CAL4	CAL4	CAL	11/08/24 09:09		Niha	OK
5	CAL5	CAL5	CAL	11/08/24 09:12		Niha	OK
6	CAL6	CAL6	CAL	11/08/24 09:15		Niha	OK
7	ICV	ICV	ICV	11/08/24 09:18		Niha	OK
8	ICB	ICB	ICB	11/08/24 09:21		Niha	OK
9	CCV1	CCV1	CCV	11/08/24 09:24		Niha	OK
10	CCB1	CCB1	CCB	11/08/24 09:27		Niha	OK
11	LB133363BL	LB133363BL	MB	11/08/24 09:30		Niha	OK
12	LB133363BS	LB133363BS	LCS	11/08/24 09:33		Niha	OK
13	P4368-07	LOD-MDL-WATER-01	SAM	11/08/24 09:36		Niha	OK
14	P4368-08	LOQ-WATER-02-QT4	SAM	11/08/24 09:39		Niha	OK
15	P4763-01	Water Treatment Disc	SAM	11/08/24 09:42		Niha	OK
16	P4763-01DUP	Water Treatment Disc	DUP	11/08/24 09:45		Niha	OK
17	P4763-01MS	Water Treatment Disc	MS	11/08/24 09:48		Niha	OK
18	P4763-01MSD	Water Treatment Disc	MSD	11/08/24 09:52		Niha	OK

Instrument ID: SPECTROPHOTOMETER-1

Daily Analysis Runlog For Sequence/QC Batch ID # LB133363

Review By	Niha	Review On	11/8/2024 4:53:59 PM
Supervise By	jignesh	Supervise On	11/8/2024 4:59:40 PM
SubDirectory	LB133363	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	WP110619,WP110618,WP110613,WP110614,WP110615,WP110612,WP110616,WP110620,WP110617,W3147		

19	CCV2	CCV2	CCV	11/08/24 09:55		Niha	OK
20	CCB2	CCB2	CCB	11/08/24 09:58		Niha	OK

LAB CHRONICLE

OrderID:	P4763	OrderDate:	11/7/2024 12:44:00 PM
Client:	VERINA CONSULTING GROUP, LLC	Project:	Rotor Clip - PO# 5183.0001
Contact:	Michael Valenzi	Location:	L11

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4763-01	Water Treatment Discharge	WATER			11/07/24 10:13			11/07/24
			Ammonia	SM4500-NH3		11/08/24	11/08/24 13:39	
			Residual Chlorine	SM4500 Cl G			11/08/24 09:42	

SOP ID : MSM4500-NH3 B,G-Ammonia-17

SDG No : N/A

Start Digest Date: 11/08/2024 Time : 09:30 Temp : 150 °C

Matrix : WATER

End Digest Date: 11/08/2024 Time : 10:30 Temp : 160 °C

Pipette ID : WC

11 batch
11/08/2024 10:50 150°C RM
11/08/2024 11:50 158°C RM

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 : N/A

pH Meter ID : N/A

Supervisor Signature: *JS*

Standardized Name	MLS USED	STD REF. # FROM LOG
LCSW	1.0ML	WP110181
MS/MSD SPIKE SOL.	1.0ML	WP110180
PBW	50.0ML	W3112
RL CHECK	0.1ML	WP110180
N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
BORATE BUFFER	2.5ML	WP108708
NAOH 6N	0.5-2.0ML	WP108660
H2SO4 0.04N	5.0ML	WP110335
pH strip-Ammonia	N/A	W3133
KI-starch paper	N/A	W2965
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
WP108814.P4735-01,05ARE CLOUDY AND BAD SMELL SAMPLES SO I TOOK 1ML INSTEAD OF 50ML.

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
11/08/2024 12:05	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
P4735-01	EFFLUENT	1	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
P4735-05	INFLUENT	1	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
P4763-01	WATER TREATMENT DISCHARGE	50	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
P4763-01DUP	WATER TREATMENT DISCHARGEDUP	50	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
P4763-01MS	WATER TREATMENT DISCHARGEMS	50	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
P4763-01MSD	WATER TREATMENT DISCHARGEMS	50	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
P4765-01	DSN002	50	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
P4765-03	DSN001	50	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
P4765-05	DSN003	50	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
PB164764BL	PBW764	50	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
PB164764BS	LCS764	50	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A