



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

Hit Summary Sheet
SW-846

SDG No.: Q1519

Order ID: Q1519

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								
Q1519-01	WATER TREATMENT DISCHA	Water	Chromium	289		0.66	5.00	ug/L
Q1519-01	WATER TREATMENT DISCHA	Water	Copper	13.7		7.07	10.0	ug/L
Q1519-01	WATER TREATMENT DISCHA	Water	Nickel	6.83	J	0.85	20.0	ug/L
Q1519-01	WATER TREATMENT DISCHA	Water	Zinc	60.3		1.75	20.0	ug/L



SAMPLE DATA

Report of Analysis

Client:	VERINA CONSULTING GROUP, LLC	Date Collected:	03/06/25
Project:	Rotor Clip NJ WTD - 2025	Date Received:	03/06/25
Client Sample ID:	WATER TREATMENT DISCHARGE	SDG No.:	Q1519
Lab Sample ID:	Q1519-01	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	289		1	0.66	5.00	ug/L	03/10/25 08:55	03/12/25 16:47	SW6010	SW3010
7440-50-8	Copper	13.7		1	7.07	10.0	ug/L	03/10/25 08:55	03/12/25 16:47	SW6010	SW3010
7440-02-0	Nickel	6.83	J	1	0.85	20.0	ug/L	03/10/25 08:55	03/12/25 16:47	SW6010	SW3010
7440-66-6	Zinc	60.3		1	1.75	20.0	ug/L	03/10/25 08:55	03/12/25 16:47	SW6010	SW3010

Color Before:	Colorless	Clarity Before:	Clear	Texture:
Color After:	Colorless	Clarity After:	Clear	Artifacts:
Comments:	Metals Group5			

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.: Q1519

Contract: VERI01

Lab Code: CHEM

Case No.: Q1519

SAS No.: Q1519

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	03/12/2025	11:01	LB135011
	Copper	20.0	+/-20.0	U	20.0	P	03/12/2025	11:01	LB135011
	Nickel	40.0	+/-40.0	U	40.0	P	03/12/2025	11:01	LB135011
	Zinc	40.0	+/-40.0	U	40.0	P	03/12/2025	11:01	LB135011

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: VERINA CONSULTING GROUP, LLC

SDG No.: Q1519

Contract: VERI01

Lab Code: CHEM

Case No.: Q1519

SAS No.: Q1519

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	03/12/2025	11:34	LB135011
	Copper	20.0	+/-20.0	U	20.0	P	03/12/2025	11:34	LB135011
	Nickel	40.0	+/-40.0	U	40.0	P	03/12/2025	11:34	LB135011
	Zinc	40.0	+/-40.0	U	40.0	P	03/12/2025	11:34	LB135011
CCB02	Chromium	10.0	+/-10.0	U	10.0	P	03/12/2025	12:24	LB135011
	Copper	20.0	+/-20.0	U	20.0	P	03/12/2025	12:24	LB135011
	Nickel	40.0	+/-40.0	U	40.0	P	03/12/2025	12:24	LB135011
	Zinc	40.0	+/-40.0	U	40.0	P	03/12/2025	12:24	LB135011
CCB03	Chromium	10.0	+/-10.0	U	10.0	P	03/12/2025	13:14	LB135011
	Copper	20.0	+/-20.0	U	20.0	P	03/12/2025	13:14	LB135011
	Nickel	40.0	+/-40.0	U	40.0	P	03/12/2025	13:14	LB135011
	Zinc	40.0	+/-40.0	U	40.0	P	03/12/2025	13:14	LB135011
CCB04	Chromium	10.0	+/-10.0	U	10.0	P	03/12/2025	14:28	LB135011
	Copper	20.0	+/-20.0	U	20.0	P	03/12/2025	14:28	LB135011
	Nickel	40.0	+/-40.0	U	40.0	P	03/12/2025	14:28	LB135011
	Zinc	40.0	+/-40.0	U	40.0	P	03/12/2025	14:28	LB135011
CCB05	Chromium	10.0	+/-10.0	U	10.0	P	03/12/2025	15:29	LB135011
	Copper	20.0	+/-20.0	U	20.0	P	03/12/2025	15:29	LB135011
	Nickel	40.0	+/-40.0	U	40.0	P	03/12/2025	15:29	LB135011
	Zinc	40.0	+/-40.0	U	40.0	P	03/12/2025	15:29	LB135011
CCB06	Chromium	10.0	+/-10.0	U	10.0	P	03/12/2025	16:30	LB135011
	Copper	20.0	+/-20.0	U	20.0	P	03/12/2025	16:30	LB135011
	Nickel	40.0	+/-40.0	U	40.0	P	03/12/2025	16:30	LB135011
	Zinc	40.0	+/-40.0	U	40.0	P	03/12/2025	16:30	LB135011
CCB07	Chromium	10.0	+/-10.0	U	10.0	P	03/12/2025	17:30	LB135011
	Copper	20.0	+/-20.0	U	20.0	P	03/12/2025	17:30	LB135011
	Nickel	40.0	+/-40.0	U	40.0	P	03/12/2025	17:30	LB135011
	Zinc	40.0	+/-40.0	U	40.0	P	03/12/2025	17:30	LB135011
CCB08	Chromium	10.0	+/-10.0	U	10.0	P	03/12/2025	18:27	LB135011
	Copper	20.0	+/-20.0	U	20.0	P	03/12/2025	18:27	LB135011
	Nickel	40.0	+/-40.0	U	40.0	P	03/12/2025	18:27	LB135011
	Zinc	40.0	+/-40.0	U	40.0	P	03/12/2025	18:27	LB135011
CCB09	Chromium	10.0	+/-10.0	U	10.0	P	03/12/2025	18:53	LB135011
	Copper	20.0	+/-20.0	U	20.0	P	03/12/2025	18:53	LB135011
	Nickel	40.0	+/-40.0	U	40.0	P	03/12/2025	18:53	LB135011
	Zinc	40.0	+/-40.0	U	40.0	P	03/12/2025	18:53	LB135011

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: VERINA CONSULTING GROUP, LLC

SDG No.: Q1519

Contract: VERI01

Lab Code: CHEM

Case No.: Q1519

SAS No.: Q1519

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
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Metals
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PREPARATION BLANK SUMMARY

Client: VERINA CONSULTING GROUP, LLC

SDG No.: Q1519

Instrument: P4

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB167038BL	WATER			Batch Number:	PB167038		Prep Date:	03/10/2025	
	Chromium	5.00	<5.00	U	5.00	P	03/12/2025	11:55	LB135011
	Copper	10.0	<10.0	U	10.0	P	03/12/2025	11:55	LB135011
	Nickel	20.0	<20.0	U	20.0	P	03/12/2025	11:55	LB135011
	Zinc	20.0	<20.0	U	20.0	P	03/12/2025	11:55	LB135011



METAL CALIBRATION DATA

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: VERINA CONSULTING GROUP, LLC **SDG No.:** Q1519
Contract: VERI01 **Lab Code:** CHEM **Case No.:** Q1519 **SAS No.:** Q1519
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	541	520	104	95 - 105	P	03/12/2025	10:52	LB135011
	Copper	532	510	104	95 - 105	P	03/12/2025	10:52	LB135011
	Nickel	517	530	98	95 - 105	P	03/12/2025	10:52	LB135011
	Zinc	1050	1000	105	95 - 105	P	03/12/2025	10:52	LB135011

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: VERINA CONSULTING GROUP, LLC **SDG No.:** Q1519
Contract: VERI01 **Lab Code:** CHEM **Case No.:** Q1519 **SAS No.:** Q1519
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	10.6	10.0	106	80 - 120	P	03/12/2025	10:56	LB135011
	Copper	22.9	20.0	114	80 - 120	P	03/12/2025	10:56	LB135011
	Nickel	38.7	40.0	97	80 - 120	P	03/12/2025	10:56	LB135011
	Zinc	42.6	40.0	106	80 - 120	P	03/12/2025	10:56	LB135011

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: VERINA CONSULTING GROUP, LLC **SDG No.:** Q1519

Contract: VERI01 **Lab Code:** CHEM **Case No.:** Q1519 **SAS No.:** Q1519

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	1050	1000	105	90 - 110	P	03/12/2025	11:29	LB135011
	Copper	1260	1250	101	90 - 110	P	03/12/2025	11:29	LB135011
	Nickel	2450	2500	98	90 - 110	P	03/12/2025	11:29	LB135011
	Zinc	2530	2500	101	90 - 110	P	03/12/2025	11:29	LB135011
CCV02	Chromium	1070	1000	107	90 - 110	P	03/12/2025	12:20	LB135011
	Copper	1280	1250	102	90 - 110	P	03/12/2025	12:20	LB135011
	Nickel	2460	2500	98	90 - 110	P	03/12/2025	12:20	LB135011
	Zinc	2600	2500	104	90 - 110	P	03/12/2025	12:20	LB135011
CCV03	Chromium	1060	1000	106	90 - 110	P	03/12/2025	13:10	LB135011
	Copper	1280	1250	102	90 - 110	P	03/12/2025	13:10	LB135011
	Nickel	2480	2500	99	90 - 110	P	03/12/2025	13:10	LB135011
	Zinc	2600	2500	104	90 - 110	P	03/12/2025	13:10	LB135011
CCV04	Chromium	1060	1000	106	90 - 110	P	03/12/2025	14:24	LB135011
	Copper	1290	1250	103	90 - 110	P	03/12/2025	14:24	LB135011
	Nickel	2490	2500	100	90 - 110	P	03/12/2025	14:24	LB135011
	Zinc	2590	2500	103	90 - 110	P	03/12/2025	14:24	LB135011
CCV05	Chromium	1050	1000	105	90 - 110	P	03/12/2025	15:25	LB135011
	Copper	1260	1250	101	90 - 110	P	03/12/2025	15:25	LB135011
	Nickel	2440	2500	98	90 - 110	P	03/12/2025	15:25	LB135011
	Zinc	2530	2500	101	90 - 110	P	03/12/2025	15:25	LB135011
CCV06	Chromium	1050	1000	105	90 - 110	P	03/12/2025	16:25	LB135011
	Copper	1260	1250	100	90 - 110	P	03/12/2025	16:25	LB135011
	Nickel	2430	2500	97	90 - 110	P	03/12/2025	16:25	LB135011
	Zinc	2530	2500	101	90 - 110	P	03/12/2025	16:25	LB135011
CCV07	Chromium	1050	1000	105	90 - 110	P	03/12/2025	17:25	LB135011
	Copper	1280	1250	102	90 - 110	P	03/12/2025	17:25	LB135011
	Nickel	2450	2500	98	90 - 110	P	03/12/2025	17:25	LB135011
	Zinc	2560	2500	102	90 - 110	P	03/12/2025	17:25	LB135011
CCV08	Chromium	1070	1000	107	90 - 110	P	03/12/2025	18:23	LB135011
	Copper	1270	1250	102	90 - 110	P	03/12/2025	18:23	LB135011
	Nickel	2470	2500	99	90 - 110	P	03/12/2025	18:23	LB135011
	Zinc	2580	2500	103	90 - 110	P	03/12/2025	18:23	LB135011
CCV09	Chromium	1050	1000	105	90 - 110	P	03/12/2025	18:49	LB135011
	Copper	1280	1250	102	90 - 110	P	03/12/2025	18:49	LB135011

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: VERINA CONSULTING GROUP, LLC **SDG No.:** Q1519
Contract: VERI01 **Lab Code:** CHEM **Case No.:** Q1519 **SAS No.:** Q1519
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
CCV09	Nickel	2480	2500	99	90 - 110	P	03/12/2025	18:49	LB135011
	Zinc	2560	2500	102	90 - 110	P	03/12/2025	18:49	LB135011



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Metals

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CRDL STANDARD FOR AA & ICP

Client: VERINA CONSULTING GROUP, LLC

SDG No.: Q1519

Contract: VERI01

Lab Code: CHEM

Case No.: Q1519

SAS No.: Q1519

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	40 - 160	P	03/12/2025	11:05	LB135011
	Copper	22.6	20.0	113	40 - 160	P	03/12/2025	11:05	LB135011
	Nickel	38.9	40.0	97	40 - 160	P	03/12/2025	11:05	LB135011
	Zinc	42.3	40.0	106	40 - 160	P	03/12/2025	11:05	LB135011

Metals
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INTERFERENCE CHECK SAMPLE

Client: VERINA CONSULTING GROUP, LLC **SDG No.:** Q1519
Contract: VERI01 **Lab Code:** CHEM **Case No.:** Q1519 **SAS No.:** Q1519
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	60.0	52.0	115	42	62	03/12/2025	11:09	LB135011
	Copper	7.26	2.0	363	-18	22	03/12/2025	11:09	LB135011
	Nickel	1.62	2.0	81	-38	42	03/12/2025	11:09	LB135011
	Zinc	6.95			-40	40	03/12/2025	11:09	LB135011
ICSAB01	Chromium	595	542	110	460	624	03/12/2025	11:14	LB135011
	Copper	509	511	100	434	588	03/12/2025	11:14	LB135011
	Nickel	1000	954	105	810	1100	03/12/2025	11:14	LB135011
	Zinc	1080	952	113	809	1095	03/12/2025	11:14	LB135011
ICSA	Chromium	63.4	52.0	122	42	62	03/12/2025	11:21	LB135011
	Copper	10.5	2.0	527	-18	22	03/12/2025	11:21	LB135011
	Nickel	0.050	2.0	2	-38	42	03/12/2025	11:21	LB135011
	Zinc	16.0			-40	40	03/12/2025	11:21	LB135011
ICSAB	Chromium	618	542	114	460	624	03/12/2025	11:25	LB135011
	Copper	553	511	108	434	588	03/12/2025	11:25	LB135011
	Nickel	1030	954	108	810	1100	03/12/2025	11:25	LB135011
	Zinc	1120	952	118	809	1095	03/12/2025	11:25	LB135011



METAL QC DATA

metals
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MATRIX SPIKE SUMMARY

client: VERINA CONSULTING GROUP, LLC **level:** low **sdg no.:** Q1519
contract: VERI01 **lab code:** CHEM **case no.:** Q1519 **sas no.:** Q1519
matrix: Water **sample id:** Q1522-02 **client id:** TW-WTS-04MS
Percent Solids for Sample: NA **Spiked ID:** Q1522-02MS **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Chromium	ug/L	75 - 125	207		5.00	U	200	104		P
Copper	ug/L	75 - 125	149		10.0	U	150	99		P
Nickel	ug/L	75 - 125	251		12.8	J	250	95		P
Zinc	ug/L	75 - 125	119		15.5	J	100	104		P

metals
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MATRIX SPIKE DUPLICATE SUMMARY

client: VERINA CONSULTING GROUP, LLC **level:** low **sdg no.:** Q1519
contract: VERI01 **lab code:** CHEM **case no.:** Q1519 **sas no.:** Q1519
matrix: Water **sample id:** Q1522-02 **client id:** TW-WTS-04MSD
Percent Solids for Sample: NA **Spiked ID:** Q1522-02MSD **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	75 - 125	205		5.00	U	200	102		P
Copper	ug/L	75 - 125	149		10.0	U	150	99		P
Nickel	ug/L	75 - 125	250		12.8	J	250	95		P
Zinc	ug/L	75 - 125	120		15.5	J	100	104		P

Metals
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Client: VERINA CONSULTING GROUP, LLC

SDG No.: Q1519

Contract: VERI01

Lab Code: CHEM

Case No.: Q1519 **SAS No.:** Q1519

Matrix:

Level: LOW

Client ID:

Sample ID:

Spiked ID:

Analyte	Units	Acceptance Limit %R	C	Sample Result	C	Spike Added	% Recovery	Qual	M
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Metals

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DUPLICATE SAMPLE SUMMARY

Client: VERINA CONSULTING GROUP, LLC **Level:** LOW **SDG No.:** Q1519
Contract: VERI01 **Lab Code:** CHEM **Case No.:** Q1519 **SAS No.:** Q1519
Matrix: Water **Sample ID:** Q1522-02 **Client ID:** TW-WTS-04DUP
Percent Solids for Sample: NA **Duplicate ID** Q1522-02DUP **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	10.0	U	10.0	U			P
Nickel	ug/L	20	12.8	J	12.7	J	1		P
Zinc	ug/L	20	15.5	J	18.5	J	18		P

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DUPLICATE SAMPLE SUMMARY

Client: VERINA CONSULTING GROUP, LLC **Level:** LOW **SDG No.:** Q1519
Contract: VERI01 **Lab Code:** CHEM **Case No.:** Q1519 **SAS No.:** Q1519
Matrix: Water **Sample ID:** Q1522-02MS **Client ID:** TW-WTS-04MSD
Percent Solids for Sample: NA **Duplicate ID** Q1522-02MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Chromium	ug/L	20	207		205		1		P
Copper	ug/L	20	149		149		0		P
Nickel	ug/L	20	251		250		0		P
Zinc	ug/L	20	119		120		1		P

Metals

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LABORATORY CONTROL SAMPLE SUMMARY

Client: VERINA CONSULTING GROUP, LLC

SDG No.: Q1519

Contract: VERI01

Lab Code: CHEM

Case No.: Q1519

SAS No.: Q1519

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB167038BS							
Chromium	ug/L	200	209		104	80 - 120	P
Copper	ug/L	150	152		101	80 - 120	P
Nickel	ug/L	250	235		94	80 - 120	P
Zinc	ug/L	100	105		105	80 - 120	P

Metals

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ICP SERIAL DILUTIONS

SAMPLE NO.

TW-WTS-04L

Lab Name: Chemtech Consulting Group

Contract: VERI01

Lab Code: CHEM **Lb No.:** lb135011 **Lab Sample ID :** Q1522-02L **SDG No.:** Q1519

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

Concentration Units: ug/L

Analyte	Initial Sample Result (I)		Serial Dilution Result (S)		% Difference	Q	M
	C		C				
Chromium	5.00	U	25.0	U			P
Copper	10.0	U	50.0	U			P
Nickel	12.8	J	13.0	J	2		P
Zinc	15.5	J	17.1	J	10		P

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ANALYSIS RUN LOG

Client: VERINA CONSULTING GROUP, LLC

Contract: VERI01

Lab code: CHEM

Case no.: Q1519

Sas no.: Q1519

Sdg no.: Q1519

Instrument id number:

Method:

Run number: LB135011

Start date: 03/12/2025

End date: 03/12/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1027	Cr,Cu,Ni,Zn
S1	S1	1	1031	Cr,Cu,Ni,Zn
S2	S2	1	1035	Cr,Cu,Ni,Zn
S3	S3	1	1039	Cr,Cu,Ni,Zn
S4	S4	1	1044	Cr,Cu,Ni,Zn
S5	S5	1	1048	Cr,Cu,Ni,Zn
ICV01	ICV01	1	1052	Cr,Cu,Ni,Zn
LLICV01	LLICV01	1	1056	Cr,Cu,Ni,Zn
ICB01	ICB01	1	1101	Cr,Cu,Ni,Zn
CRI01	CRI01	1	1105	Cr,Cu,Ni,Zn
ICSA01	ICSA01	1	1109	Cr,Cu,Ni,Zn
ICSAB01	ICSAB01	1	1114	Cr,Cu,Ni,Zn
ICSA	ICSA	20	1121	Cr,Cu,Ni,Zn
ICSAB	ICSAB	20	1125	Cr,Cu,Ni,Zn
CCV01	CCV01	1	1129	Cr,Cu,Ni,Zn
CCB01	CCB01	1	1134	Cr,Cu,Ni,Zn
PB167038BL	PB167038BL	1	1155	Cr,Cu,Ni,Zn
PB167038BS	PB167038BS	1	1159	Cr,Cu,Ni,Zn
CCV02	CCV02	1	1220	Cr,Cu,Ni,Zn
CCB02	CCB02	1	1224	Cr,Cu,Ni,Zn
CCV03	CCV03	1	1310	Cr,Cu,Ni,Zn
CCB03	CCB03	1	1314	Cr,Cu,Ni,Zn
CCV04	CCV04	1	1424	Cr,Cu,Ni,Zn
CCB04	CCB04	1	1428	Cr,Cu,Ni,Zn
CCV05	CCV05	1	1525	Cr,Cu,Ni,Zn
CCB05	CCB05	1	1529	Cr,Cu,Ni,Zn
CCV06	CCV06	1	1625	Cr,Cu,Ni,Zn
CCB06	CCB06	1	1630	Cr,Cu,Ni,Zn
Q1519-01	WATER TREATMENT DISCHA	1	1647	Cr,Cu,Ni,Zn
Q1522-02DUP	TW-WTS-04DUP	1	1711	Cr,Cu,Ni,Zn
Q1522-02L	TW-WTS-04L	5	1716	Cr,Cu,Ni,Zn
CCV07	CCV07	1	1725	Cr,Cu,Ni,Zn
CCB07	CCB07	1	1730	Cr,Cu,Ni,Zn
Q1522-02MS	TW-WTS-04MS	1	1735	Cr,Cu,Ni,Zn
Q1522-02MSD	TW-WTS-04MSD	1	1739	Cr,Cu,Ni,Zn
CCV08	CCV08	1	1823	Cr,Cu,Ni,Zn
CCB08	CCB08	1	1827	Cr,Cu,Ni,Zn
CCV09	CCV09	1	1849	Cr,Cu,Ni,Zn
CCB09	CCB09	1	1853	Cr,Cu,Ni,Zn



METAL PREPARATION & INSTRUMENT DATA



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

Metals

- 11 -

ICP INTERELEMENT CORRECTION FACTORS

Client: VERINA CONSULTING GROUP, LLC

SDG No.: Q1519

Contract: VERI01

Lab Code: CHEM

Case No.: Q1519

SAS No.: Q1519

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



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Metals

- 11 -

ICP INTERELEMEN CORRECTION FACTORS

Client: VERINA CONSULTING GROUP, LLC

SDG No.: Q1519

Contract: VERI01

Lab Code: CHEM

Case No.: Q1519

SAS No.: Q1519

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

- 11 -

ICP INTERELEMENT CORRECTION FACTORS

Client: VERINA CONSULTING GROUP, LLC

SDG No.: Q1519

Contract: VERI01

Lab Code: CHEM

Case No.: Q1519

SAS No.: Q1519

Instrument ID: _____

Date: _____

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

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



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Metals

- 11 -

ICP INTERELEMENT CORRECTION FACTORS

Client: VERINA CONSULTING GROUP, LLC

SDG No.: Q1519

Contract: VERI01

Lab Code: CHEM

Case No.: Q1519

SAS No.: Q1519

Instrument ID: _____

Date: _____

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave- Length (nm)	ICP Interelement 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.: Q1519

Contract: VERI01

Lab Code: CHEM

Case No.: Q1519

SAS No.: Q1519

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:	Q1519	OrderDate:	3/6/2025 2:23:00 PM
Client:	VERINA CONSULTING GROUP, LLC	Project:	Rotor Clip NJ WTD - 2025
Contact:	Michael Valenzi	Location:	F11

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1519-01	WATER TREATMENT DISCHARGE	Water	Metals Group5	6010D	03/06/25	03/10/25	03/12/25	03/06/25



METAL PREPARATION & ANALYICAL SUMMARY

Metals

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SAMPLE PREPARATION SUMMARY

Client: VERINA CONSULTING GROUP, LLC

SDG No.: Q1519

Contract: VERI01

Lab Code: CHEM

Method:

Case No.: Q1519 **SAS No.:** Q1519

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(mL)	Final Sample Volume (mL)	Percent Solids
Batch Number: PB167038							
PB167038BL	PB167038BL	MB	WATER	03/10/2025	50.0	25.0	
PB167038BS	PB167038BS	LCS	WATER	03/10/2025	50.0	25.0	
Q1519-01	WATER TREATMENT DISCHARGE	SAM	WATER	03/10/2025	50.0	25.0	
Q1522-02DUP	TW-WTS-04DUP	DUP	WATER	03/10/2025	50.0	25.0	
Q1522-02MS	TW-WTS-04MS	MS	WATER	03/10/2025	50.0	25.0	
Q1522-02MSD	TW-WTS-04MSD	MSD	WATER	03/10/2025	50.0	25.0	

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB135011

Review By	kareem	Review On	3/13/2025 10:36:08 AM
Supervise By	jaswal	Supervise On	3/14/2025 1:32:25 PM
STD. NAME	STD REF.#		
ICAL Standard	MP84636,MP84637,MP84638,MP84639,MP84640,MP84846		
ICV Standard	MP84643		
CCV Standard	MP84646		
ICSA Standard	MP84644,MP84721		
CRI Standard	MP84846		
LCS Standard			
Chk Standard	MP84649,MP84650		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	03/12/25 10:27		Kareem	OK
2	S1	S1	CAL2	03/12/25 10:31		Kareem	OK
3	S2	S2	CAL3	03/12/25 10:35		Kareem	OK
4	S3	S3	CAL4	03/12/25 10:39		Kareem	OK
5	S4	S4	CAL5	03/12/25 10:44		Kareem	OK
6	S5	S5	CAL6	03/12/25 10:48		Kareem	OK
7	ICV01	ICV01	ICV	03/12/25 10:52	ICV As,Be,Tl,Zn (200.7)	Kareem	OK
8	LLICV01	LLICV01	LLICV	03/12/25 10:56		Kareem	OK
9	ICB01	ICB01	ICB	03/12/25 11:01		Kareem	OK
10	CRI01	CRI01	CRDL	03/12/25 11:05		Kareem	OK
11	ICSA01	ICSA01	ICSA	03/12/25 11:09		Kareem	OK
12	ICSAB01	ICSAB01	ICSAB	03/12/25 11:14		Kareem	OK
13	ICSADL	ICSADL	ICSA	03/12/25 11:21		Kareem	OK
14	ICSABDL	ICSABDL	ICSAB	03/12/25 11:25		Kareem	OK
15	CCV01	CCV01	CCV	03/12/25 11:29		Kareem	OK
16	CCB01	CCB01	CCB	03/12/25 11:34		Kareem	OK
17	PB167037BL	PB167037BL	MB	03/12/25 11:38		Kareem	OK
18	PB167037BS	PB167037BS	LCS	03/12/25 11:42	0.1 ML OF M6004 AND M6013 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB135011

Review By	kareem	Review On	3/13/2025 10:36:08 AM
Supervise By	jaswal	Supervise On	3/14/2025 1:32:25 PM

STD. NAME	STD REF.#
ICAL Standard	MP84636,MP84637,MP84638,MP84639,MP84640,MP84846
ICV Standard	MP84643
CCV Standard	MP84646
ICSA Standard	MP84644,MP84721
CRI Standard	MP84846
LCS Standard	
Chk Standard	MP84649,MP84650

19	PB166981BL	PB166981BL	MB	03/12/25 11:46		Kareem	OK
20	PB166981BS	PB166981BS	LCS	03/12/25 11:51	0.1 ML OF M6004 AND M6013 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
21	PB167038BL	PB167038BL	MB	03/12/25 11:55		Kareem	OK
22	PB167038BS	PB167038BS	LCS	03/12/25 11:59	0.1 ML OF M6004 AND M6013 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
23	PB167024BL	PB167024BL	MB	03/12/25 12:03		Kareem	OK
24	PB167024BS	PB167024BS	LCS	03/12/25 12:07	0.1 ML OF M6004 AND M6013 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
25	PB167100BL	PB167100BL	MB	03/12/25 12:11		Kareem	OK
26	PB167100BS	PB167100BS	LCS	03/12/25 12:16	0.1 ML OF M6004 AND M6013 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
27	CCV02	CCV02	CCV	03/12/25 12:20		Kareem	OK
28	CCB02	CCB02	CCB	03/12/25 12:24		Kareem	OK
29	PB166977BL	PB166977BL	MB	03/12/25 12:28		Kareem	OK
30	PB166977BS	PB166977BS	LCS	03/12/25 12:33	0.1 ML OF M6004 AND M6013 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
31	PB166963BL	PB166963BL	MB	03/12/25 12:37	Ba fail LCS	Kareem	Not Ok
32	PB166963BS	PB166963BS	LCS	03/12/25 12:41	Ba fail LCS	Kareem	Not Ok
33	Q1466-05	CITY WATER	SAM	03/12/25 12:49		Kareem	OK
34	Q1466-05DUP	CITY WATERDUP	DUP	03/12/25 12:53		Kareem	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB135011

Review By	kareem	Review On	3/13/2025 10:36:08 AM
Supervise By	jaswal	Supervise On	3/14/2025 1:32:25 PM

STD. NAME	STD REF.#
ICAL Standard	MP84636,MP84637,MP84638,MP84639,MP84640,MP84846
ICV Standard	MP84643
CCV Standard	MP84646
ICSA Standard	MP84644,MP84721
CRI Standard	MP84846
LCS Standard	
Chk Standard	MP84649,MP84650

35	Q1466-05L	CITY WATERL	SD	03/12/25 12:58		Kareem	OK
36	Q1466-05MS	CITY WATERMS	MS	03/12/25 13:02	0.1 ML OF M6004 AND M6013 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
37	Q1466-05MSD	CITY WATERMSD	MSD	03/12/25 13:06	0.1 ML OF M6004 AND M6013 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
38	CCV03	CCV03	CCV	03/12/25 13:10		Kareem	OK
39	CCB03	CCB03	CCB	03/12/25 13:14		Kareem	OK
40	Q1466-05A	CITY WATERA	PS	03/12/25 13:18	0.1 ML OF M6004 AND M6013 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
41	Q1507-01	50-MIDDLESEX-AVE	SAM	03/12/25 13:22		Kareem	OK
42	Q1508-01	RBR251372	SAM	03/12/25 13:27		Kareem	OK
43	Q1510-01	FMC-25-0001-0005	SAM	03/12/25 13:31		Kareem	OK
44	PB167098BL	PB167098BL	MB	03/12/25 13:59		Kareem	OK
45	PB167098BS	PB167098BS	LCS	03/12/25 14:03	0.1 ML OF M6004 AND M6013 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
46	PB167099BL	PB167099BL	MB	03/12/25 14:07		Kareem	OK
47	PB167099BS	PB167099BS	LCS	03/12/25 14:12	0.1 ML OF M6004 AND M6013 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
48	Q1515-01	AU-06-030625	SAM	03/12/25 14:16		Kareem	OK
49	Q1515-01DUP	AU-06-030625DUP	DUP	03/12/25 14:20		Kareem	OK
50	CCV04	CCV04	CCV	03/12/25 14:24		Kareem	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB135011

Review By	kareem	Review On	3/13/2025 10:36:08 AM
Supervise By	jaswal	Supervise On	3/14/2025 1:32:25 PM

STD. NAME	STD REF.#
ICAL Standard	MP84636,MP84637,MP84638,MP84639,MP84640,MP84846
ICV Standard	MP84643
CCV Standard	MP84646
ICSA Standard	MP84644,MP84721
CRI Standard	MP84846
LCS Standard	
Chk Standard	MP84649,MP84650

51	CCB04	CCB04	CCB	03/12/25 14:28		Kareem	OK
52	Q1540-01	OU4-CF-15R-031025	SAM	03/12/25 14:32		Kareem	OK
53	Q1540-01DUP	OU4-CF-15R-031025	DUP	03/12/25 14:37		Kareem	OK
54	Q1540-01L	OU4-CF-15R-031025	SD	03/12/25 14:41		Kareem	OK
55	Q1540-01A	OU4-CF-15R-031025	PS	03/12/25 14:58	0.1 ML OF M6004 AND M6013 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
56	PB167088TB	PB167088TB	MB	03/12/25 15:02		Kareem	OK
57	Q1545-01	BU-02-031125	SAM	03/12/25 15:06		Kareem	OK
58	Q1545-01DUP	BU-02-031125DUP	DUP	03/12/25 15:11		Kareem	OK
59	Q1545-01L	BU-02-031125L	SD	03/12/25 15:15		Kareem	OK
60	CCV05	CCV05	CCV	03/12/25 15:25		Kareem	OK
61	CCB05	CCB05	CCB	03/12/25 15:29		Kareem	OK
62	Q1545-01MS	BU-02-031125MS	MS	03/12/25 15:33	0.1 ML OF M6004 AND M6013 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
63	Q1545-01MSD	BU-02-031125MSD	MSD	03/12/25 15:37	0.1 ML OF M6004 AND M6013 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
64	Q1545-01A	BU-02-031125A	PS	03/12/25 15:41	0.1 ML OF M6004 AND M6013 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
65	Q1547-01	OR-620-JB-COMP-01	SAM	03/12/25 15:45		Kareem	OK
66	Q1547-06	OR-620-JB-COMP-02	SAM	03/12/25 15:49		Kareem	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB135011

Review By	kareem	Review On	3/13/2025 10:36:08 AM
Supervise By	jaswal	Supervise On	3/14/2025 1:32:25 PM
STD. NAME	STD REF.#		
ICAL Standard	MP84636,MP84637,MP84638,MP84639,MP84640,MP84846		
ICV Standard	MP84643		
CCV Standard	MP84646		
ICSA Standard	MP84644,MP84721		
CRI Standard	MP84846		
LCS Standard			
Chk Standard	MP84649,MP84650		

67	Q1549-01	72-11978	SAM	03/12/25 15:54		Kareem	OK
68	Q1515-01L	AU-06-030625L	SD	03/12/25 15:58		Kareem	OK
69	Q1515-01MS	AU-06-030625MS	MS	03/12/25 16:02	0.1 ML OF M6004 AND M6013 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
70	Q1515-01MSD	AU-06-030625MSD	MSD	03/12/25 16:06	0.1 ML OF M6004 AND M6013 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
71	Q1515-01A	AU-06-030625A	PS	03/12/25 16:10	0.1 ML OF M6004 AND M6013 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
72	CCV06	CCV06	CCV	03/12/25 16:25		Kareem	OK
73	CCB06	CCB06	CCB	03/12/25 16:30		Kareem	OK
74	Q1540-01MS	OU4-CF-15R-031025	MS	03/12/25 16:34	0.1 ML OF M6004 AND M6013 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
75	Q1540-01MSD	OU4-CF-15R-031025	MSD	03/12/25 16:38	0.1 ML OF M6004 AND M6013 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
76	Q1516-03	GAS-AUD-25-0026	SAM	03/12/25 16:42		Kareem	OK
77	Q1519-01	WATER TREATMENT	SAM	03/12/25 16:47		Kareem	OK
78	LR1	LR1	HIGH STD	03/12/25 16:53		Kareem	OK
79	LR2	LR2	HIGH STD	03/12/25 16:58		Kareem	OK
80	Q1517-01DL	MOO-25-0062DL	SAM	03/12/25 17:02		Kareem	OK
81	Q1522-02	TW-WTS-04	SAM	03/12/25 17:07		Kareem	OK
82	Q1522-02DUP	TW-WTS-04DUP	DUP	03/12/25 17:11		Kareem	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB135011

Review By	kareem	Review On	3/13/2025 10:36:08 AM
Supervise By	jaswal	Supervise On	3/14/2025 1:32:25 PM

STD. NAME	STD REF.#
ICAL Standard	MP84636,MP84637,MP84638,MP84639,MP84640,MP84846
ICV Standard	MP84643
CCV Standard	MP84646
ICSA Standard	MP84644,MP84721
CRI Standard	MP84846
LCS Standard	
Chk Standard	MP84649,MP84650

83	Q1522-02L	TW-WTS-04L	SD	03/12/25 17:16		Kareem	OK
84	CCV07	CCV07	CCV	03/12/25 17:25		Kareem	OK
85	CCB07	CCB07	CCB	03/12/25 17:30		Kareem	OK
86	Q1522-02MS	TW-WTS-04MS	MS	03/12/25 17:35	0.1 ML OF M6004 AND M6013 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
87	Q1522-02MSD	TW-WTS-04MSD	MSD	03/12/25 17:39	0.1 ML OF M6004 AND M6013 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
88	Q1522-02A	TW-WTS-04A	PS	03/12/25 17:43	0.1 ML OF M6004 AND M6013 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
89	Q1478-07	IDW-AQ-IW-03-COMF	SAM	03/12/25 17:47		Kareem	OK
90	Q1478-07DUP	IDW-AQ-IW-03-COMF	DUP	03/12/25 17:52		Kareem	OK
91	Q1478-07L	IDW-AQ-IW-03-COMF	SD	03/12/25 17:56		Kareem	OK
92	Q1478-07MS	IDW-AQ-IW-03-COMF	MS	03/12/25 18:00	0.1 ML OF M6004 AND M6013 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
93	Q1478-07MSD	IDW-AQ-IW-03-COMF	MSD	03/12/25 18:05	0.1 ML OF M6004 AND M6013 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
94	Q1478-07A	IDW-AQ-IW-03-COMF	PS	03/12/25 18:09	0.1 ML OF M6004 AND M6013 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
95	Q1478-01	IDW-AQ-MW-19B-CO	SAM	03/12/25 18:13		Kareem	OK
96	CCV08	CCV08	CCV	03/12/25 18:23		Kareem	OK
97	CCB08	CCB08	CCB	03/12/25 18:27		Kareem	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB135011

Review By	kareem	Review On	3/13/2025 10:36:08 AM
Supervise By	jaswal	Supervise On	3/14/2025 1:32:25 PM
STD. NAME	STD REF.#		
ICAL Standard	MP84636,MP84637,MP84638,MP84639,MP84640,MP84846		
ICV Standard	MP84643		
CCV Standard	MP84646		
ICSA Standard	MP84644,MP84721		
CRI Standard	MP84846		
LCS Standard			
Chk Standard	MP84649,MP84650		

98	Q1478-03	IDW-AQ-IW-01-COMF	SAM	03/12/25 18:31		Kareem	OK
99	Q1478-05	IDW-AQ-IW-02-COMF	SAM	03/12/25 18:36		Kareem	OK
100	Q1477-01	RW7-SP100-2025022	SAM	03/12/25 18:40		Kareem	OK
101	Q1477-04	RW7-SP303-2025022	SAM	03/12/25 18:44		Kareem	OK
102	CCV09	CCV09	CCV	03/12/25 18:49		Kareem	OK
103	CCB09	CCB09	CCB	03/12/25 18:53		Kareem	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: 03/10/2025 **Time :** 08:55 **Temp :** 96 °C
End Digest Date: 03/10/2025 **Time :** 12:05 **Temp :** 96 °C
Digestion tube ID: M5595
Block thermometer ID: MET-DIG. #1
Dig Technician Signature:
Supervisor Signature:
Temp : 1. 96°C 2. N/A

Standarded Name	MLS USED	STD REF. # FROM LOG
LFS-1	0.25	M6003
LFS-1	0.25	M6011
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	M6126
1:1 HCL	5.00	MP84720
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 55 Temp :96 C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
03/10/25 13:05	SPD. met-dig.	SPD. 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
PB167038BL	PBW038	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	1
PB167038BS	LCS038	<2	50	25	Colorless	Colorless	Clear	Clear	M6003,M6011	2
Q1514-07	ENV-105-GW01	<2	50	25	Brown	Brown	Cloudy	Clear	N/A	3
Q1514-08	ENV-103-GW01	<2	50	25	Brown	Brown	Cloudy	Clear	N/A	4
Q1514-09	FB03062025	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	5
Q1516-03	GAS-AUD-25-0026	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	6
Q1517-01	MOO-25-0062	<2	50	25	Pink	Pink	Clear	Clear	N/A	7
Q1519-01	WATER TREATMENT DISCHARGE	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	8
Q1522-02	TW-WTS-04	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	9
Q1522-02MS	TW-WTS-04MS	<2	50	25	Colorless	Colorless	Clear	Clear	M6003,M6011	11
Q1522-02MSD	TW-WTS-04MSD	<2	50	25	Colorless	Colorless	Clear	Clear	M6003,M6011	12
Q1522-02DUP	TW-WTS-04DUP	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	10
Q1525-01	MW10	<2	50	25	Light Brown	Colorless	Cloudy	Clear	N/A	13



SAMPLE DATA

Report of Analysis

Client:	VERINA CONSULTING GROUP, LLC	Date Collected:	03/06/25 10:55
Project:	Rotor Clip NJ WTD - 2025	Date Received:	03/06/25
Client Sample ID:	WATER TREATMENT DISCHARGE	SDG No.:	Q1519
Lab Sample ID:	Q1519-01	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Ammonia as N	0.83		1	0.045	0.10	mg/L	03/12/25 10:05	03/12/25 15:46	SM 4500-NH3 B plus G-11
BOD5	19.8		1	0.17	2.00	mg/L		03/07/25 10:30	SM 5210 B-16
COD	127		1	2.35	10.0	mg/L		03/10/25 14:35	SM 5220 D-11
Residual Chlorine	0.058	HJ	1	0.016	0.10	mg/L		03/06/25 16:27	SM 4500-Cl G-11
TSS	22.1		1	1.00	4.00	mg/L		03/10/25 10:00	SM 2540 D-15

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

H = Sample Analysis Out Of Hold Time

J = Estimated Value

B = Analyte Found in Associated Method Blank

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

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

OR = Over Range

N = Spiked sample recovery not within control limits

Report of Analysis

Client:	VERINA CONSULTING GROUP, LLC	Date Collected:	03/06/25 10:50
Project:	Rotor Clip NJ WTD - 2025	Date Received:	03/06/25
Client Sample ID:	WATER TREATMENT DISCHARGE	SDG No.:	Q1519
Lab Sample ID:	Q1519-02	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Oil and Grease	4.60	J	1	0.40	5.00	mg/L		03/07/25 11:40	1664A

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

H = Sample Analysis Out Of Hold Time

J = Estimated Value

B = Analyte Found in Associated Method Blank

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

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

OR = Over Range

N = Spiked sample recovery not within control limits



QC RESULT SUMMARY



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.: Q1519

Project: Rotor Clip NJ WTD - 2025

RunNo.: LB134926

Analyte		Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: COD	ICV	mg/L	49.329	50	99	95-105	01/22/2025
Sample ID: COD	CCV1	mg/L	50.319	50	101	95-105	03/10/2025
Sample ID: COD	CCV2	mg/L	48.339	50	97	95-105	03/10/2025

Initial and Continuing Calibration Verification

Client: VERINA CONSULTING GROUP, LLC

SDG No.: Q1519

Project: Rotor Clip NJ WTD - 2025

RunNo.: LB134932

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV Residual Chlorine	mg/L	0.399	0.4	100	90-110	03/06/2025
Sample ID: CCV1 Residual Chlorine	mg/L	0.409	0.4	102	90-110	03/06/2025
Sample ID: CCV2 Residual Chlorine	mg/L	0.409	0.4	102	90-110	03/06/2025

Initial and Continuing Calibration Verification

Client: VERINA CONSULTING GROUP, LLC

SDG No.: Q1519

Project: Rotor Clip NJ WTD - 2025

RunNo.: LB135012

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV1 Ammonia as N	mg/L	1	1	100	90-110	03/12/2025
Sample ID: CCV1 Ammonia as N	mg/L	0.95	1	95	90-110	03/12/2025
Sample ID: CCV2 Ammonia as N	mg/L	0.97	1	97	90-110	03/12/2025
Sample ID: CCV3 Ammonia as N	mg/L	0.95	1	95	90-110	03/12/2025



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.: Q1519

Project: Rotor Clip NJ WTD - 2025

RunNo.: LB134926

Analyte		Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID:	ICB							
COD		mg/L	< 5.0000	5.0000	U	2.35	10	01/22/2025
Sample ID:	CCB1							
COD		mg/L	< 5.0000	5.0000	U	2.35	10	03/10/2025
Sample ID:	CCB2							
COD		mg/L	< 5.0000	5.0000	U	2.35	10	03/10/2025

Initial and Continuing Calibration Blank Summary

Client: VERINA CONSULTING GROUP, LLC

SDG No.: Q1519

Project: Rotor Clip NJ WTD - 2025

RunNo.: LB134932

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	03/06/2025
Sample ID: CCB1 Residual Chlorine	mg/L	< 0.0500	0.0500	U	0.016	0.1	03/06/2025
Sample ID: CCB2 Residual Chlorine	mg/L	< 0.0500	0.0500	U	0.016	0.1	03/06/2025

Initial and Continuing Calibration Blank Summary

Client: VERINA CONSULTING GROUP, LLC

SDG No.: Q1519

Project: Rotor Clip NJ WTD - 2025

RunNo.: LB135012

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	03/12/2025
Sample ID: CCB1 Ammonia as N	mg/L	< 0.0500	0.0500	U	0.045	0.1	03/12/2025
Sample ID: CCB2 Ammonia as N	mg/L	< 0.0500	0.0500	U	0.045	0.1	03/12/2025
Sample ID: CCB3 Ammonia as N	mg/L	< 0.0500	0.0500	U	0.045	0.1	03/12/2025

Preparation Blank Summary

Client: VERINA CONSULTING GROUP, LLC

SDG No.: Q1519

Project: Rotor Clip NJ WTD - 2025

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: LB134926BL COD	mg/L	< 5.0000	5.0000	U	2.35	10.0	03/10/2025
Sample ID: LB134930BL BOD5	mg/L	< 0.2000	0.2000	U	0.17	2.0	03/07/2025
Sample ID: LB134932BL Residual Chlorine	mg/L	< 0.0500	0.0500	U	0.016	0.1	03/06/2025
Sample ID: LB134949BL Oil and Grease	mg/L	< 2.5000	2.5000	U	0.4	5.0	03/07/2025
Sample ID: LB134975BL TSS	mg/L	1	2.0000	J	1	4	03/10/2025
Sample ID: PB167063BL Ammonia as N	mg/L	< 0.0500	0.0500	U	0.045	0.1	03/12/2025

Matrix Spike Summary

Client:	VERINA CONSULTING GROUP, LLC	SDG No.:	Q1519
Project:	Rotor Clip NJ WTD - 2025	Sample ID:	Q1513-01
Client ID:	DSN002MS	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
COD	mg/L	75-125	117		74.1		50.0	1	86		03/10/2025

Matrix Spike Summary

Client:	VERINA CONSULTING GROUP, LLC	SDG No.:	Q1519
Project:	Rotor Clip NJ WTD - 2025	Sample ID:	Q1513-01
Client ID:	DSN002MSD	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
COD	mg/L	75-125	119		74.1		50.0	1	90		03/10/2025

Matrix Spike Summary

Client:	VERINA CONSULTING GROUP, LLC	SDG No.:	Q1519
Project:	Rotor Clip NJ WTD - 2025	Sample ID:	Q1519-01
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	0.39		0.058	J	0.4	1	83		03/06/2025

Matrix Spike Summary

Client:

VERINA CONSULTING GROUP, LLC

Project:

Rotor Clip NJ WTD - 2025

Client ID:

WATER TREATMENT DISCHARGEMSD

SDG No.:

Q1519

Sample ID:

Q1519-01

Percent Solids for Spike Sample:

0

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Residual Chlorine	mg/L	71-148	0.40		0.058	J	0.4	1	85		03/06/2025

Matrix Spike Summary

Client:	VERINA CONSULTING GROUP, LLC	SDG No.:	Q1519
Project:	Rotor Clip NJ WTD - 2025	Sample ID:	Q1519-02
Client ID:	WATER TREATMENT DISCHARGEMS	Percent Solids for Spike Sample:	0

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Oil and Grease	mg/L	78-114	24.6		4.60	J	20.0	1	100		03/07/2025

Matrix Spike Summary

Client:	VERINA CONSULTING GROUP, LLC	SDG No.:	Q1519
Project:	Rotor Clip NJ WTD - 2025	Sample ID:	Q1519-02
Client ID:	WATER TREATMENT DISCHARGEMSD	Percent Solids for Spike Sample:	0

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Oil and Grease	mg/L	78-114	24.8		4.60	J	20.0	1	101		03/07/2025

Matrix Spike Summary

Client:	VERINA CONSULTING GROUP, LLC	SDG No.:	Q1519
Project:	Rotor Clip NJ WTD - 2025	Sample ID:	Q1539-02
Client ID:	TAPFTA-MW01I-031025-00-T2MS	Percent Solids for Spike Sample:	0

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Ammonia as N	mg/L	75-125	1.20		0.23		1	1	97		03/12/2025

Matrix Spike Summary

Client:	VERINA CONSULTING GROUP, LLC	SDG No.:	Q1519
Project:	Rotor Clip NJ WTD - 2025	Sample ID:	Q1539-02
Client ID:	TAPFTA-MW01I-031025-00-T2MSD	Percent Solids for Spike Sample:	0

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Ammonia as N	mg/L	75-125	1.20		0.23		1	1	97		03/12/2025

Duplicate Sample Summary

Client:	VERINA CONSULTING GROUP, LLC	SDG No.:	Q1519
Project:	Rotor Clip NJ WTD - 2025	Sample ID:	Q1494-01
Client ID:	PURGE-WATERDUP	Percent Solids for Spike Sample:	0

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/AD	Qual	Analysis Date
BOD5	mg/L	+/-20	5.64		5.80		1	2.8		03/07/2025

Duplicate Sample Summary

Client:	VERINA CONSULTING GROUP, LLC	SDG No.:	Q1519
Project:	Rotor Clip NJ WTD - 2025	Sample ID:	Q1513-01
Client ID:	DSN002DUP	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
COD	mg/L	+/-20	74.1		73.1		1	1.36		03/10/2025

Duplicate Sample Summary

Client:	VERINA CONSULTING GROUP, LLC	SDG No.:	Q1519
Project:	Rotor Clip NJ WTD - 2025	Sample ID:	Q1513-01
Client ID:	DSN002MSD	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
COD	mg/L	+/-20	117		119		1	1.69		03/10/2025

Duplicate Sample Summary

Client:	VERINA CONSULTING GROUP, LLC	SDG No.:	Q1519
Project:	Rotor Clip NJ WTD - 2025	Sample ID:	Q1513-05
Client ID:	DSN003DUP	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
TSS	mg/L	+/-5	12.4		12.5		1	0.8		03/10/2025

Duplicate Sample Summary

Client:	VERINA CONSULTING GROUP, LLC	SDG No.:	Q1519
Project:	Rotor Clip NJ WTD - 2025	Sample ID:	Q1519-01
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	0.058	J	0.058	J	1	0		03/06/2025

Duplicate Sample Summary

Client:	VERINA CONSULTING GROUP, LLC	SDG No.:	Q1519
Project:	Rotor Clip NJ WTD - 2025	Sample ID:	Q1519-01
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	0.39		0.40		1	2.54		03/06/2025

Duplicate Sample Summary

Client:	VERINA CONSULTING GROUP, LLC	SDG No.:	Q1519
Project:	Rotor Clip NJ WTD - 2025	Sample ID:	Q1519-02
Client ID:	WATER TREATMENT DISCHARGEMSD	Percent Solids for Spike Sample:	0

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
Oil and Grease	mg/L	+/-18	24.6		24.8		1	0.81		03/07/2025

Duplicate Sample Summary

Client:	VERINA CONSULTING GROUP, LLC	SDG No.:	Q1519
Project:	Rotor Clip NJ WTD - 2025	Sample ID:	Q1539-02
Client ID:	TAPFTA-MW01I-031025-00-T2DUP	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	0.23		0.23		1	0		03/12/2025

Duplicate Sample Summary

Client:	VERINA CONSULTING GROUP, LLC	SDG No.:	Q1519
Project:	Rotor Clip NJ WTD - 2025	Sample ID:	Q1539-02
Client ID:	TAPFTA-MW01I-031025-00-T2MSD	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	1.20		1.20		1	0		03/12/2025

Laboratory Control Sample Summary

Client:	VERINA CONSULTING GROUP, LLC	SDG No.:	Q1519
Project:	Rotor Clip NJ WTD - 2025	Run No.:	LB134926

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LB134926BS							
COD	mg/L	50	49.3		99	1	90-110	03/10/2025

Laboratory Control Sample Summary

Client:	VERINA CONSULTING GROUP, LLC	SDG No.:	Q1519
Project:	Rotor Clip NJ WTD - 2025	Run No.:	LB134930

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LB134930BS							
BOD5	mg/L	198	184		93	1	84.6-115.4	03/07/2025

Laboratory Control Sample Summary

Client:	VERINA CONSULTING GROUP, LLC	SDG No.:	Q1519
Project:	Rotor Clip NJ WTD - 2025	Run No.:	LB134932

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LB134932BS							
Residual Chlorine	mg/L	0.4	0.41		102	1	90-110	03/06/2025

Laboratory Control Sample Summary

Client:	VERINA CONSULTING GROUP, LLC	SDG No.:	Q1519
Project:	Rotor Clip NJ WTD - 2025	Run No.:	LB134949

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LB134949BS							
Oil and Grease	mg/L	20.0	16.7		84	1	78-114	03/07/2025

Laboratory Control Sample Summary

Client:	VERINA CONSULTING GROUP, LLC	SDG No.:	Q1519
Project:	Rotor Clip NJ WTD - 2025	Run No.:	LB134975

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LB134975BS							
TSS	mg/L	550	532		97	1	90-110	03/10/2025

Laboratory Control Sample Summary

Client:	VERINA CONSULTING GROUP, LLC	SDG No.:	Q1519
Project:	Rotor Clip NJ WTD - 2025	Run No.:	LB135012

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	PB167063BS							
Ammonia as N	mg/L	1	0.98		98	1	90-110	03/12/2025

Instrument ID: SPECTROPHOTOMETER-2

Daily Analysis Runlog For Sequence/QC Batch ID # LB134926

Review By	Niha	Review On	3/10/2025 2:48:08 PM
Supervise By	Iwona	Supervise On	3/10/2025 2:56:48 PM
SubDirectory	LB134926	Test	COD
STD. NAME	STD REF.#		
ICAL Standard	N/A		
ICV Standard	N/A		
CCV Standard	N/A		
ICSA Standard	N/A		
CRI Standard	N/A		
LCS Standard	N/A		
Chk Standard	WP111522,WP111519,WP111517,WP111520,WP111518,WP111516,W3126,WP112204,WP112203		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	CAL1	CAL1	CAL	01/22/25 13:30		Niha	OK
2	CAL2	CAL2	CAL	01/22/25 13:30		Niha	OK
3	CAL3	CAL3	CAL	01/22/25 13:31		Niha	OK
4	CAL4	CAL4	CAL	01/22/25 13:31		Niha	OK
5	CAL5	CAL5	CAL	01/22/25 13:32		Niha	OK
6	ICV	ICV	ICV	01/22/25 13:32		Niha	OK
7	ICB	ICB	ICB	01/22/25 13:33		Niha	OK
8	CCV1	CCV1	CCV	03/10/25 14:30		Niha	OK
9	CCB1	CCB1	CCB	03/10/25 14:30		Niha	OK
10	LB134926BL	LB134926BL	MB	03/10/25 14:31		Niha	OK
11	LB134926BS	LB134926BS	LCS	03/10/25 14:31		Niha	OK
12	Q1468-06	COD	SAM	03/10/25 14:32		Niha	OK
13	Q1513-01	DSN002	SAM	03/10/25 14:32		Niha	OK
14	Q1513-01DUP	DSN002DUP	DUP	03/10/25 14:33		Niha	OK
15	Q1513-01MS	DSN002MS	MS	03/10/25 14:33	0.5ml WP112201 + 9.5ml Sample	Niha	OK
16	Q1513-01MSD	DSN002MSD	MSD	03/10/25 14:34	0.5ml WP112201 + 9.5ml Sample	Niha	OK
17	Q1513-03	DSN001	SAM	03/10/25 14:34		Niha	OK
18	Q1513-05	DSN003	SAM	03/10/25 14:35		Niha	OK

Instrument ID: SPECTROPHOTOMETER-2

Daily Analysis Runlog For Sequence/QC Batch ID # LB134926

Review By	Niha	Review On	3/10/2025 2:48:08 PM
Supervise By	Iwona	Supervise On	3/10/2025 2:56:48 PM
SubDirectory	LB134926	Test	COD
STD. NAME	STD REF.#		
ICAL Standard	N/A		
ICV Standard	N/A		
CCV Standard	N/A		
ICSA Standard	N/A		
CRI Standard	N/A		
LCS Standard	N/A		
Chk Standard	WP111522,WP111519,WP111517,WP111520,WP111518,WP111516,W3126,WP112204,WP112203		

19	Q1519-01	WATER TREATMENT	SAM	03/10/25 14:35		Niha	OK
20	CCV2	CCV2	CCV	03/10/25 14:36		Niha	OK
21	CCB2	CCB2	CCB	03/10/25 14:36		Niha	OK

Instrument ID: DO METER

Daily Analysis Runlog For Sequence/QC Batch ID # LB134930

Review By	rubina	Review On	3/12/2025 12:32:19 PM
Supervise By	Iwona	Supervise On	3/12/2025 12:34:10 PM
SubDirectory	LB134930	Test	BOD5
STD. NAME	STD REF.#		
ICAL Standard	N/A		
ICV Standard	N/A		
CCV Standard	N/A		
ICSA Standard	N/A		
CRI Standard	N/A		
LCS Standard	N/A		
Chk Standard	WP112227,W3149,W310386,W3103,W3109,W3105,WP112229,WP112228,WP111323		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	LB134930BL	LB134930BL	MB	03/07/25 10:30			OK
2	LB134930BS	LB134930BS	LCS	03/07/25 10:30			OK
3	Q1494-01	PURGE-WATER	SAM	03/07/25 10:30			OK
4	Q1494-01DUP	PURGE-WATERDUP	DUP	03/07/25 10:30			OK
5	Q1513-01	DSN002	SAM	03/07/25 10:30			OK
6	Q1513-03	DSN001	SAM	03/07/25 10:30			OK
7	Q1513-05	DSN003	SAM	03/07/25 10:30			OK
8	Q1519-01	WATER TREATMENT	SAM	03/07/25 10:30			OK

Instrument ID: SPECTROPHOTOMETER-1

Daily Analysis Runlog For Sequence/QC Batch ID # LB134932

Review By	Niha	Review On	3/7/2025 8:24:33 AM
Supervise By	Iwona	Supervise On	3/7/2025 9:01:03 AM
SubDirectory	LB134932	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	WP112217,WP112212,WP112213,WP112214,WP112211,WP112215,WP112216,W3147		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	CAL1	CAL1	CAL	03/06/25 15:50		Niha	OK
2	CAL2	CAL2	CAL	03/06/25 15:53		Niha	OK
3	CAL3	CAL3	CAL	03/06/25 15:56		Niha	OK
4	CAL4	CAL4	CAL	03/06/25 15:59		Niha	OK
5	CAL5	CAL5	CAL	03/06/25 16:02		Niha	OK
6	CAL6	CAL6	CAL	03/06/25 16:05		Niha	OK
7	ICV	ICV	ICV	03/06/25 16:08		Niha	OK
8	ICB	ICB	ICB	03/06/25 16:11		Niha	OK
9	CCV1	CCV1	CCV	03/06/25 16:14		Niha	OK
10	CCB1	CCB1	CCB	03/06/25 16:17		Niha	OK
11	LB134932BL	LB134932BL	MB	03/06/25 16:20		Niha	OK
12	LB134932BS	LB134932BS	LCS	03/06/25 16:23		Niha	OK
13	Q1519-01	WATER TREATMENT	SAM	03/06/25 16:27		Niha	OK
14	Q1519-01DUP	WATER TREATMENT	DUP	03/06/25 16:30		Niha	OK
15	Q1519-01MS	WATER TREATMENT	MS	03/06/25 16:33		Niha	OK
16	Q1519-01MSD	WATER TREATMENT	MSD	03/06/25 16:36		Niha	OK
17	CCV2	CCV2	CCV	03/06/25 16:39		Niha	OK
18	CCB2	CCB2	CCB	03/06/25 16:42		Niha	OK

Instrument ID: WC SC-3

Daily Analysis Runlog For Sequence/QC Batch ID # LB134949

Review By	jignesh	Review On	3/7/2025 2:29:21 PM
Supervise By	Iwona	Supervise On	3/10/2025 9:37:09 AM
SubDirectory	LB134949	Test	Oil and Grease
STD. NAME	STD REF.#		
ICAL Standard	N/A		
ICV Standard	N/A		
CCV Standard	N/A		
ICSA Standard	N/A		
CRI Standard	N/A		
LCS Standard	N/A		
Chk Standard	W3177,M6069,EP2590,WP110826,NA,NA,WP110827,NA,WP110828		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	LB134949BL	LB134949BL	MB	03/07/25 11:40		jignesh	OK
2	LB134949BS	LB134949BS	LCS	03/07/25 11:40		jignesh	OK
3	Q1495-01	001-WILLETS-PT-BL	SAM	03/07/25 11:40		jignesh	OK
4	Q1495-02	002-35TH-AVE(MAR)	SAM	03/07/25 11:40		jignesh	OK
5	Q1519-02	WATER TREATMENT	SAM	03/07/25 11:40		jignesh	OK
6	Q1519-03	Q1519-02MS	MS	03/07/25 11:40		jignesh	OK
7	Q1519-04	Q1519-02MSD	MSD	03/07/25 11:40		jignesh	OK

Instrument ID: WC SC-3

Daily Analysis Runlog For Sequence/QC Batch ID # LB134975

Review By	jignesh	Review On	3/11/2025 8:50:13 AM
Supervise By	Iwona	Supervise On	3/11/2025 10:13:18 AM
SubDirectory	LB134975	Test	TSS
STD. NAME	STD REF.#		
ICAL Standard	N/A		
ICV Standard	N/A		
CCV Standard	N/A		
ICSA Standard	N/A		
CRI Standard	N/A		
LCS Standard	N/A		
Chk Standard	N/A		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	LB134975BL	LB134975BL	MB	03/10/25 10:00		jignesh	OK
2	LB134975BS	LB134975BS	LCS	03/10/25 10:00	55 mg w2576 + 100ml w3112	jignesh	OK
3	Q1512-01	TOWERS-1	SAM	03/10/25 10:00		jignesh	OK
4	Q1512-02	TOWERS-2	SAM	03/10/25 10:00		jignesh	OK
5	Q1513-01	DSN002	SAM	03/10/25 10:00		jignesh	OK
6	Q1513-03	DSN001	SAM	03/10/25 10:00		jignesh	OK
7	Q1513-05	DSN003	SAM	03/10/25 10:00		jignesh	OK
8	Q1513-05DUP	DSN003DUP	DUP	03/10/25 10:00		jignesh	OK
9	Q1519-01	WATER TREATMENT	SAM	03/10/25 10:00		jignesh	OK
10	Q1522-01	TW-WTS-03	SAM	03/10/25 10:00		jignesh	OK
11	Q1522-02	TW-WTS-04	SAM	03/10/25 10:00		jignesh	OK

Instrument ID: KONELAB

Daily Analysis Runlog For Sequence/QC Batch ID # LB135012

Review By	rubina	Review On	3/13/2025 1:18:04 PM
Supervise By	Iwona	Supervise On	3/13/2025 1:50:26 PM
SubDirectory	LB135012	Test	Ammonia
STD. NAME	STD REF.#		
ICAL Standard	WP112278		
ICV Standard	WP112280		
CCV Standard	WP112279		
ICSA Standard	N/A		
CRI Standard	N/A		
LCS Standard	WP111947		
Chk Standard	WP112163,WP111745,WP111385,WP111660		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	0.0PPM	0.0PPM	CAL1	03/12/25 14:51		rubina	OK
2	0.1PPM	0.1PPM	CAL2	03/12/25 14:51		rubina	OK
3	0.2PPM	0.2PPM	CAL3	03/12/25 14:51		rubina	OK
4	0.4PPM	0.4PPM	CAL4	03/12/25 14:51		rubina	OK
5	1.0PPM	1.0PPM	CAL5	03/12/25 14:51		rubina	OK
6	1.3PPM	1.3PPM	CAL6	03/12/25 14:51		rubina	OK
7	2.0PPM	2.0PPM	CAL7	03/12/25 14:51		rubina	OK
8	ICV1	ICV1	ICV	03/12/25 15:25		rubina	OK
9	ICB1	ICB1	ICB	03/12/25 15:25		rubina	OK
10	CCV1	CCV1	CCV	03/12/25 15:25		rubina	OK
11	CCB1	CCB1	CCB	03/12/25 15:25		rubina	OK
12	RL	RL	SAM	03/12/25 15:25		rubina	OK
13	PB167063BL	PB167063BL	MB	03/12/25 15:25		rubina	OK
14	PB167063BS	PB167063BS	LCS	03/12/25 15:36		rubina	OK
15	Q1505-11	PT-NUT1-WP	SAM	03/12/25 15:36	High	rubina	Dilution
16	Q1519-01	WATER TREATMENT	SAM	03/12/25 15:46		rubina	OK
17	Q1539-01	TAPIAL3-MW03D-031	SAM	03/12/25 15:46		rubina	OK
18	Q1539-02	TAPFTA-MW011-0310	SAM	03/12/25 15:46		rubina	OK

Instrument ID: KONELAB

Daily Analysis Runlog For Sequence/QC Batch ID # LB135012

Review By	rubina	Review On	3/13/2025 1:18:04 PM
Supervise By	Iwona	Supervise On	3/13/2025 1:50:26 PM
SubDirectory	LB135012	Test	Ammonia
STD. NAME	STD REF.#		
ICAL Standard	WP112278		
ICV Standard	WP112280		
CCV Standard	WP112279		
ICSA Standard	N/A		
CRI Standard	N/A		
LCS Standard	WP111947		
Chk Standard	WP112163,WP111745,WP111385,WP111660		

19	Q1539-02DUP	TAPFTA-MW01I-0310	DUP	03/12/25 15:46		rubina	OK
20	Q1539-02MS	TAPFTA-MW01I-0310	MS	03/12/25 15:55		rubina	OK
21	Q1539-02MSD	TAPFTA-MW01I-0310	MSD	03/12/25 15:55		rubina	OK
22	CCV2	CCV2	CCV	03/12/25 15:55		rubina	OK
23	CCB2	CCB2	CCB	03/12/25 15:55		rubina	OK
24	Q1505-11DL	PT-NUT1-WPDL	SAM	03/12/25 16:25	Report 2X	rubina	Confirms
25	CCV3	CCV3	CCV	03/12/25 16:25		rubina	OK
26	CCB3	CCB3	CCB	03/12/25 16:29		rubina	OK

LAB CHRONICLE

OrderID:	Q1519	OrderDate:	3/6/2025 2:23:00 PM
Client:	VERINA CONSULTING GROUP, LLC	Project:	Rotor Clip NJ WTD - 2025
Contact:	Michael Valenzi	Location:	F11

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1519-01	WATER TREATMENT DISCHARGE	WATER			03/06/25 10:55	03/12/25		03/06/25
			Ammonia	SM4500-NH3			03/12/25 15:46	
			BOD5	SM5210 B			03/07/25 10:30	
			COD	SM5220 D			03/10/25 14:35	
			Residual Chlorine	SM4500 Cl G			03/06/25 16:27	
			TSS	SM2540 D			03/10/25 10:00	
Q1519-02	WATER TREATMENT DISCHARGE	WATER			03/06/25 10:50			03/06/25
			Oil and Grease	1664A			03/07/25 11:40	

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

SDG No : N/A

Start Digest Date: 03/12/2025 **Time :** 10:05 **Temp :** 150 °C

Matrix : WATER

End Digest Date: 03/12/2025 **Time :** 11:05 **Temp :** 158 °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 : N/A

pH Meter ID : N/A

Supervisor Signature: /2

Standard Name	MLS USED	STD REF. # FROM LOG
LCSW	1.0ML	WP111947
MS/MSD SPIKE SOL.	1.0ML	WP111946
PBW	50.0ML	W3112
RL CHECK	N/A	AS PER PB167083
N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
BORATE BUFFER	2.5ML	WP111325
NAOH 6N	0.5-2.0ML	WP111318
H2SO4 0.04N	5.0ML	WP110335
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 WP111604,

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
03/12/2025 11:15	RM CWL	RM CWL
	Preparation Group	Analysis Group

Lab Sample ID	Client Sample ID	Initial Vol (ml)	Final Vol (ml)	pH	Sulfide	Oxidizing	Nitrate/ Nitrite	Comment	Prep Pos
PB167063BL	PBW063	50	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
PB167063BS	LCS063	50	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
Q1505-11	PT-NUT1-WP	50	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
Q1519-01	WATER TREATMENT DISCHARGE	50	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
Q1539-01	TAPIAL3-MW03D-031025-00-T1	50	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
Q1539-02	TAPFTA-MW01I-031025-00-T2	50	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
Q1539-02DUP	TAPFTA-MW01I-031025-00-T2DUP	50	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
Q1539-02MS	TAPFTA-MW01I-031025-00-T2MS	50	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
Q1539-02MSD	TAPFTA-MW01I-031025-00-T2MSD	50	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A