



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