

September 16, 2014

Walter Warning III
Viking Industries, Inc.
501 Pullman Road
Edgewater, FL 32132

RE: Project: Salinity
Pace Project No.: 35152577

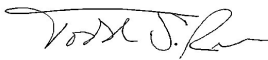
Dear Walter III:

Enclosed are the analytical results for sample(s) received by the laboratory on August 28, 2014. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

Revised report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Todd Rea
todd.rea@pacelabs.com
Project Manager

Enclosures



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: Salinity
Pace Project No.: 35152577

South Florida Certification IDs

3610 Park Central Blvd N Pompano Beach, FL 33064
Pace Analytical Services - Pompano certification number
E96080

Florida Certification #: E86240

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SAMPLE SUMMARY

Project: Salinity
Pace Project No.: 35152577

Lab ID	Sample ID	Matrix	Date Collected	Date Received
35152577001	Source Water	Water	08/28/14 13:00	08/28/14 13:38
35152577002	Sodium Hydroxide	Water	08/28/14 13:00	08/28/14 13:38
35152577003	Hypochlorous Acid	Water	08/28/14 13:00	08/28/14 13:38

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SAMPLE ANALYTE COUNT

Project: Salinity
Pace Project No.: 35152577

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35152577001	Source Water	SM 2520B Modified	TAN	1	PASI-SF
35152577002	Sodium Hydroxide	SM 2520B Modified	TAN	1	PASI-SF
35152577003	Hypochlorous Acid	SM 2520B Modified	TAN	1	PASI-SF

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ANALYTICAL RESULTS

Project: Salinity
Pace Project No.: 35152577

Sample: Source Water **Lab ID: 35152577001** Collected: 08/28/14 13:00 Received: 08/28/14 13:38 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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Salinity by Conductivity Analytical Method: SM 2520B Modified

Salinity	1.0U	ppt	1.0	1.0	1		09/02/14 10:40		
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Sample: Sodium Hydroxide **Lab ID: 35152577002** Collected: 08/28/14 13:00 Received: 08/28/14 13:38 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
------------	---------	-------	-----	-----	----	----------	----------	---------	------

Salinity by Conductivity Analytical Method: SM 2520B Modified

Salinity	1.0U	ppt	1.0	1.0	1		09/02/14 10:40		
----------	------	-----	-----	-----	---	--	----------------	--	--

Sample: Hypochlorous Acid **Lab ID: 35152577003** Collected: 08/28/14 13:00 Received: 08/28/14 13:38 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
------------	---------	-------	-----	-----	----	----------	----------	---------	------

Salinity by Conductivity Analytical Method: SM 2520B Modified

Salinity	1.0U	ppt	1.0	1.0	1		09/02/14 10:40		
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QUALITY CONTROL DATA

Project: Salinity
Pace Project No.: 35152577

QC Batch: SFL/17652 Analysis Method: SM 2520B Modified
QC Batch Method: SM 2520B Modified Analysis Description: Salinity Conductivity
Associated Lab Samples: 35152577001, 35152577002, 35152577003

METHOD BLANK: 994019 Matrix: Water
Associated Lab Samples: 35152577001, 35152577002, 35152577003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Salinity	ppt	1.0U	1.0	09/02/14 10:40	

LABORATORY CONTROL SAMPLE: 994020

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Salinity	ppt	35	32.0	91	90-110	

SAMPLE DUPLICATE: 994021

Parameter	Units	35152577001 Result	Dup Result	RPD	Max RPD	Qualifiers
Salinity	ppt	1.0U	1.0U		5	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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QUALIFIERS

Project: Salinity
Pace Project No.: 35152577

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

LABORATORIES

PASI-SF Pace Analytical Services - South Florida

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Salinity
Pace Project No.: 35152577

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35152577001	Source Water	SM 2520B Modified	SFL/17652		
35152577002	Sodium Hydroxide	SM 2520B Modified	SFL/17652		
35152577003	Hypochlorous Acid	SM 2520B Modified	SFL/17652		

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WO#: 35152577



35152577

Document
Completed accurately.

Section A
Required Client Information:

Company: *Viking Ind.*
 Address: _____
 Email To: _____
 Phone: _____ Fax: _____
 Requested Due Date/TAT: _____

Section B
Required Project Information:

Report To: _____
 Copy To: _____
 Purchase Order No.: _____
 Project Name: _____
 Project Number: _____

Attention: _____
 Company Name: _____
 Address: _____
 Pace Quote Reference: _____
 Pace Project Manager: _____
 Pace Profile #: _____

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
 UST RCRA OTHER _____

Site Location _____
 STATE: _____

Page: _____ of _____
 1827071

ITEM #	Section D Required Client Information	Section E Matrix Codes MATRIX / CODE	COLLECTED		SAMPLE TYPE (G=GRAB C=COMP)	MATRIX CODE (see valid codes to left)	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives	Y/N	Requested Analysis Filtered (Y/N)												Pace Project No./ Lab I.D.													
			COMPOSITE START	COMPOSITE END/GRAB							DATE	TIME	Unpreserved	H ₂ SO ₄	HCl	HNO ₃	NaOH	Na ₂ S ₂ O ₃	Methanol	Other	Analysis Test ↑	Residual Chlorine (Y/N)														
																								DATE	TIME	DATE	TIME	DATE	TIME	DATE	TIME					
1	SAMPLE ID (A-Z, 0-9 / . -) Sample IDs MUST BE UNIQUE	DW WT WW P SL OL WP AR TS OT																																		
2			8-28	1:00																																
3			8-28	1:00																																
4			8-28	1:00																																
5																																				
6																																				
7																																				
8																																				
9																																				
10																																				
11																																				
12																																				

RELINQUISHED BY / AFFILIATION: *Matt Pagan/Pace* DATE: *8/14/14* TIME: *16:00*

ACCEPTED BY / AFFILIATION: *Walter Warning* DATE: *8-28* TIME: *13:38*

SAMPLING KIT-EMPTY

Temp In °C _____

Received on _____

Custody Sealed Cooler (Y/N) _____

Samples Intact (Y/N) _____

DATE Signed (MM/DD/YY): _____

PRINT Name of SAMPLER: _____

SIGNATURE of SAMPLER: _____

SAMPLER NAME AND SIGNATURE: _____

ORIGINAL



Document Name:
Sample Condition Upon Receipt Form
Document No:
F-FL-C-007 rev. 06

Document Revised:
August 11, 2014
Issuing Authority:
Pace Florida Quality Office

Sample Condition Upon Receipt Form (SCUR) Table Number: _____

Client Name: Viking Ind. Project # 35152577

Cofer: Fed Ex UPS USPS Client Commercial Pace Other _____

Trading # _____

Cuody Seal on Cooler/Box Present: yes no Seals intact: yes no

Pading Material: Bubble Wrap Bubble Bags None Other _____

Thmometer Used T-168 Type of Ice: Wet Blue None

Date and Initials of person examining contents: 8/28/14 JP

1338

Coer Temperature: 27.1 (Visual) 0.0 (Correction Factor) 27.1 (Actual) (Temp should be above freezing to 6°C. If below 0°C, then was sample frozen?)

Yes No

Resipt of samples satisfactory: Yes No

Rush TAT requested on COC: _____

If ys, then all conditions below were met:

If no, then mark box & describe issue (use comments area if necessary):

Ch1 of Custody Present	<input type="checkbox"/>
Ch1 of Custody Filled Out	<input checked="" type="checkbox"/> <u>NO sample IDs on COC</u>
Requished Signature & Sampler Name COC	<input type="checkbox"/>
Saples Arrived within Hold Time	<input type="checkbox"/>
Sucient Volume	<input type="checkbox"/>
Coect Containers Used	<input type="checkbox"/>
Coainers Intact	<input type="checkbox"/>
Saple Labels match COC (sample IDs & date/time of collection)	<input type="checkbox"/>
	No Labels: <input type="checkbox"/> No Time/Date on Labels: <input type="checkbox"/>
All intainers needing preservation are found to be in compliance with EPA recommendation.	<input checked="" type="checkbox"/> <u>SAMPLES DID NOT ARRIVE ON ICE.</u>
Ndeadspace in VOA Vials (>6mm):	<input type="checkbox"/>

Clnt Notification/ Resolution:

Person Contacted: _____ Date/Time: _____

Coments/ Resolution (use back for additional comments): 1) Source water
2) Sodium Hydroxide
3) Hypochlorous Acid

SAMPLES TO BE QUALIFIED FOR SAMPLES ARRIVING WITH NO ICE.
CLIENT WAS NOTIFIED AND ANALYSIS WILL PROCEED.

roject Manager Review: TR Date: 8/28/14

Finished Product Information Only	
F. Sample ID: _____	Size & Qty of Bottles Received
Production Code: _____	_____ x 5 Gal
Del/Time Opened: _____	_____ x 2.5 Gal
Number of Unopened Bottles Remaining: _____	_____ x 1 Gal
	_____ x 1 Liter
	_____ x 500 mL
	_____ x 250 mL
	_____ x Other: _____
Extra Sample In Shed: Yes No	