

March 02, 2019

Frances Moore
FDEP - Biology Program
Twin Towers Lab Complex A
2600 Blair Stone RD MS
Tallahassee, FL 32399

RE: Project: RQ-2019-01-21-49
Pace Project No.: 35450379

Dear Frances Moore:

Enclosed are the analytical results for sample(s) received by the laboratory on February 26, 2019. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,



Jeff Baylor
jeff.baylor@pacelabs.com
(386)672-5668
Project Manager

Enclosures



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: RQ-2019-01-21-49

Pace Project No.: 35450379

South Florida Certification IDs

3610 Park Central Blvd N, Pompano Beach, FL 33064

Florida Certification #: E86240

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SAMPLE SUMMARY

Project: RQ-2019-01-21-49

Pace Project No.: 35450379

Lab ID	Sample ID	Matrix	Date Collected	Date Received
35450379001	G4SE0121	Water	02/26/19 13:15	02/26/19 14:00
35450379002	G4SE0113	Water	02/26/19 13:00	02/26/19 14:00

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SAMPLE ANALYTE COUNT

Project: RQ-2019-01-21-49

Pace Project No.: 35450379

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35450379001	G4SE0121	Enterolert/Quanti-Tray	APB	1	PASI-SF
35450379002	G4SE0113	Enterolert/Quanti-Tray	APB	1	PASI-SF

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ANALYTICAL RESULTS

Project: RQ-2019-01-21-49

Pace Project No.: 35450379

Sample: G4SE0121		Lab ID: 35450379001		Collected: 02/26/19 13:15		Received: 02/26/19 14:00		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Enterolert/Quanti-Tray Analytical Method: Enterolert/Quanti-Tray Preparation Method: Enterolert/Quanti-Tray									
Enterococci	52.0	MPN/100mL	10.0	10.0	10	02/26/19 15:50	02/27/19 17:35		

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ANALYTICAL RESULTS

Project: RQ-2019-01-21-49

Pace Project No.: 35450379

Sample: G4SE0113		Lab ID: 35450379002		Collected: 02/26/19 13:00		Received: 02/26/19 14:00		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Enterolert/Quanti-Tray Analytical Method: Enterolert/Quanti-Tray Preparation Method: Enterolert/Quanti-Tray									
Enterococci	20.0	MPN/100mL	10.0	10.0	10	02/26/19 15:50	02/27/19 17:35		

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QUALITY CONTROL DATA

Project: RQ-2019-01-21-49

Pace Project No.: 35450379

QC Batch:	519535	Analysis Method:	Enterolert/Quanti-Tray
QC Batch Method:	Enterolert/Quanti-Tray	Analysis Description:	Enterolert MPN
Associated Lab Samples:	35450379001, 35450379002		

METHOD BLANK: 2805339 Matrix: Water

Associated Lab Samples: 35450379001, 35450379002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Enterococci	MPN/100mL	1.0 U	1.0	1.0	02/27/19 17:35	

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: RQ-2019-01-21-49

Pace Project No.: 35450379

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

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

ANALYTE QUALIFIERS

U Compound was analyzed for but not detected.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: RQ-2019-01-21-49

Pace Project No.: 35450379

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35450379001	G4SE0121	Enterolert/Quanti-Tray	519535	Enterolert/Quanti-Tray	519536
35450379002	G4SE0113	Enterolert/Quanti-Tray	519535	Enterolert/Quanti-Tray	519536

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CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

WO# : 35450379



35450379

List Pace Workorder Number or
re

LAB USE ONLY

Project Manager:

Page 10 of 11

Company: FDZP		Billing Information:
Address: 2199 S Rock Rd		
Report To:	Email To:	
Copy To:	Site Collection Info/Address:	
Customer Project Name/Number: RQ-2019-01-21-49	State: FL / Broward	County/City: [] PT [] MT [] CT [] ET
Phone:	Site/Facility ID #:	Compliance Monitoring?
Email:		☐ Yes ☒ No
Collected By (print): Drew Lada-ch	Purchase Order #:	DW PWS ID #:
	Quote #:	DW Location Code:
Collected By (signature): [Signature]	Turnaround Date Required:	Immediately Packed on Ice:
		☒ Yes ☐ No
Sample Disposal:	Rush:	Field Filtered (if applicable):
☐ Dispose as appropriate ☐ Return	☐ Same Day ☐ Next Day	☐ Yes ☐ No
☐ Archive: _____	☐ 2 Day ☐ 3 Day ☐ 4 Day ☐ 5 Day	Analysis: _____
☐ Hold: _____	(Expedite Charges Apply)	

** Preservative Types: (1) nitric acid, (2) sulfuric acid, (3) hydrochloric acid, (4) sodium hydroxide, (5) zinc acetate, (6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other _____

Analyses

Lab Profile/Line:

Lab Sample Receipt Checklist:

Custody Seals Present/Intact	Y	N	NA
Custody Signatures Present	Y	N	NA
Collector Signature Present	Y	N	NA
Bottles Intact	Y	N	NA
Correct Bottles	Y	N	NA
Sufficient Volume	Y	N	NA
Samples Received on Ice	Y	N	NA
VOA - Headspace Acceptable	Y	N	NA
USDA Regulated Soils	Y	N	NA
Samples in Holding Time	Y	N	NA
Residual Chlorine Present	Y	N	NA
Cl Strips: _____			
Sample pH: Acceptable	Y	N	NA
pH Strips: _____			
Sulfide Present	Y	N	NA
Lead Acetate Strips: _____			

LAB USE ONLY:

Lab Sample # / Comments:

[illegible]

Salt water
Salt water

7.20

Customer Remarks / Special Conditions / Possible Hazards:		Type of Ice Used: Wet Blue Dry None		SHORT HOLDS PRESENT (<72 hours): ☒ Y ☐ N ☐ N/A		Lab Sample Temperature Info: Temp Blank Received: Y N NA Therm ID#: _____ Cooler 1 Temp Upon Receipt: _____ °C Cooler 1 Therm Corr. Factor: _____ °C Cooler 1 Corrected Temp: _____ °C Comments:	
		Packing Material Used:		Lab Tracking #:			
		Radchem sample(s) screened (<500 cpm): Y N NA		Samples received via: FEDEX UPS Client Courier Pace Courier			
Relinquished by/Company: (Signature) <i>MS FIDEL</i>	Date/Time: <i>2/26/19 1400</i>	Received by/Company: (Signature) <i>[Signature]</i>	Date/Time: <i>2/26/19 1400</i>	MTJL LAB USE ONLY Table #: _____ Acctnum: _____ Template: _____ Prelogin: _____ PM: _____ PB: _____		Trip Blank Received: Y N NA HCL MeOH TSP Other	
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:				
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:				

	Document Name	Document Revised
	Sample Condition Upon Receipt Form	May 30, 2016
	Document No F-FL-C-007 rev. 13	Issuing Authority Pace Florida Quality Office

Sample Condition Upon Receipt Form (SCUR)

Project # W0# : 35450379

Project Manager PM: JSB **Due Date:** 03/07/19

Client: CLIENT: DEPBUR

Date and Initials of person:

Examining contents: JHH

Label: _____

Deliver: _____

pH: N/A

Thermometer Used T-330 **Date** 2/26/19 **Time** 1400 **Initials** JHH

State of Origin: Florida ☐ For WV projects, all containers verified to <6 °C

Cooler #1 Temp. °C 7.9 (Visual) 0.0 (Correction Factor) 7.8 (Actual) Cooler #2 Temp. °C _____ (Visual) _____ (Correction Factor) _____ (Actual) Cooler #3 Temp. °C _____ (Visual) _____ (Correction Factor) _____ (Actual) Cooler #4 Temp. °C _____ (Visual) _____ (Correction Factor) _____ (Actual) Cooler #5 Temp. °C _____ (Visual) _____ (Correction Factor) _____ (Actual) Cooler #6 Temp. °C _____ (Visual) _____ (Correction Factor) _____ (Actual)	☒ Samples on ice, cooling process has begun ☐ Samples on ice, cooling process has begun ☐ Samples on ice, cooling process has begun ☐ Samples on ice, cooling process has begun ☐ Samples on ice, cooling process has begun ☐ Samples on ice, cooling process has begun
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Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☒ Client ☐ Commercial ☐ Pace ☐ Other _____

Shipping Method: ☐ First Overnight ☐ Priority Overnight ☐ Standard Overnight ☐ Ground ☐ International Priority

☐ Other _____

Billing: ☐ Recipient ☐ Sender ☐ Third Party ☐ Credit Card ☒ Unknown

Tracking # _____

Custody Seal on Cooler/Box Present: ☐ Yes ☒ No **Seals intact:** ☐ Yes ☒ No **Ice:** Wet Blue Dry None

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☒ None ☐ Other _____

Samples shorted to lab (If Yes, complete) **Shorted Date** 2/26/19 **Shorted Time:** 1400 **Qty** 2

Comments:

Chain of Custody Present	☒ Yes ☐ No ☐ N/A	
Chain of Custody Filled Out	☒ Yes ☐ No ☐ N/A	
Relinquished Signature & Sampler Name COC	☒ Yes ☐ No ☐ N/A	
Samples Arrived within Hold Time	☒ Yes ☐ No ☐ N/A	
Rush TAT requested on COC	☐ Yes ☒ No ☐ N/A	
Sufficient Volume	☒ Yes ☐ No ☐ N/A	
Correct Containers Used	☒ Yes ☐ No ☐ N/A	
Containers Intact	☒ Yes ☐ No ☐ N/A	
Sample Labels match COC (sample IDs & date/time of collection)	☒ Yes ☐ No ☐ N/A	
All containers needing acid/base preservation have been checked	☐ Yes ☐ No ☒ N/A	Preservation Information Preservative _____ Lot #/Trace # N/A Date _____ Initials _____
All Containers needing preservation are found to be in compliance with EPA recommendation	☐ Yes ☐ No ☒ N/A	
Exceptions VOA Coliform TOC O&G Carbamates		
Headspace in VOA Vials? (>6mm)	☐ Yes ☐ No ☒ N/A	
Trip Blank Present	☐ Yes ☐ No ☒ N/A	

Client Notification/ Resolution:

Person Contacted _____ Date/Time _____

Comments/ Resolution (use back for additional comments):

Project Manager Review: _____ Date: _____