

January 23, 2019

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

RE: Project: SMP-MIAMI RUN-RQ-2014-01-14-34
Pace Project No.: 35442776

Dear Frances Moore:

Enclosed are the analytical results for sample(s) received by the laboratory on January 17, 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: SMP-MIAMI RUN-RQ-2014-01-14-34

Pace Project No.: 35442776

South Florida Certification IDs

3610 Park Central Blvd N, Pompano Beach, FL 33064

Florida Certification #: E86240

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SAMPLE SUMMARY

Project: SMP-MIAMI RUN-RQ-2014-01-14-34

Pace Project No.: 35442776

Lab ID	Sample ID	Matrix	Date Collected	Date Received
35442776001	G4SE0111	Water	01/17/19 12:00	01/17/19 14:52
35442776002	G4SE0118	Water	01/17/19 12:30	01/17/19 14:52
35442776003	G4SEWC02	Water	01/17/19 12:50	01/17/19 14:52
35442776004	G4SE0117	Water	01/17/19 13:15	01/17/19 14:52
35442776005	G4SE0024	Water	01/17/19 13:35	01/17/19 14:52

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SAMPLE ANALYTE COUNT

Project: SMP-MIAMI RUN-RQ-2014-01-14-34

Pace Project No.: 35442776

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35442776001	G4SE0111	9223B/Quanti-Tray	NMT	1	PASI-SF
35442776002	G4SE0118	Enterolert/Quanti-Tray	TAN	1	PASI-SF
35442776003	G4SEWC02	Enterolert/Quanti-Tray	TAN	1	PASI-SF
35442776004	G4SE0117	Enterolert/Quanti-Tray	TAN	1	PASI-SF
35442776005	G4SE0024	Enterolert/Quanti-Tray	TAN	1	PASI-SF

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ANALYTICAL RESULTS

Project: SMP-MIAMI RUN-RQ-2014-01-14-34

Pace Project No.: 35442776

Sample: G4SE0111		Lab ID: 35442776001		Collected: 01/17/19 12:00		Received: 01/17/19 14:52		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Colilert/Quanti-Tray MPN									
Analytical Method: 9223B/Quanti-Tray Preparation Method: 9223B/Quanti-Tray									
E.coli	1.0	MPN/100mL	1.0	1.0	1	01/17/19 15:53	01/18/19 11:33		

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ANALYTICAL RESULTS

Project: SMP-MIAMI RUN-RQ-2014-01-14-34

Pace Project No.: 35442776

Sample: G4SE0118		Lab ID: 35442776002		Collected: 01/17/19 12:30		Received: 01/17/19 14:52		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	1110	MPN/100mL	10.0	10.0	10	01/17/19 15:48	01/18/19 16:00		

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ANALYTICAL RESULTS

Project: SMP-MIAMI RUN-RQ-2014-01-14-34

Pace Project No.: 35442776

Sample: G4SEWC02		Lab ID: 35442776003		Collected: 01/17/19 12:50		Received: 01/17/19 14:52		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	2910	MPN/100mL	10.0	10.0	10	01/17/19 15:48	01/18/19 16:00		

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ANALYTICAL RESULTS

Project: SMP-MIAMI RUN-RQ-2014-01-14-34

Pace Project No.: 35442776

Sample: G4SE0117		Lab ID: 35442776004		Collected: 01/17/19 13:15		Received: 01/17/19 14:52		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	01/17/19 15:48	01/18/19 16:00		

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ANALYTICAL RESULTS

Project: SMP-MIAMI RUN-RQ-2014-01-14-34

Pace Project No.: 35442776

Sample: G4SE0024		Lab ID: 35442776005		Collected: 01/17/19 13:35		Received: 01/17/19 14:52		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	10.0	MPN/100mL	10.0	10.0	10	01/17/19 15:48	01/18/19 16:00		

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QUALITY CONTROL DATA

Project: SMP-MIAMI RUN-RQ-2014-01-14-34

Pace Project No.: 35442776

QC Batch:	509204	Analysis Method:	9223B/Quanti-Tray
QC Batch Method:	9223B/Quanti-Tray	Analysis Description:	Colilert MPN
Associated Lab Samples:	35442776001		

METHOD BLANK: 2749755 Matrix: Water

Associated Lab Samples: 35442776001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
E.coli	MPN/100mL	1.0 U	1.0	1.0	01/18/19 11:33	

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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QUALITY CONTROL DATA

Project: SMP-MIAMI RUN-RQ-2014-01-14-34

Pace Project No.: 35442776

QC Batch: 510188 Analysis Method: Enterolert/Quanti-Tray

QC Batch Method: Enterolert/Quanti-Tray Analysis Description: Enterolert MPN

Associated Lab Samples: 35442776002, 35442776003, 35442776004, 35442776005

METHOD BLANK: 2754509

Matrix: Water

Associated Lab Samples: 35442776002, 35442776003, 35442776004, 35442776005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Enterococci	MPN/100mL	1.0 U	1.0	1.0	01/18/19 16:00	

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: SMP-MIAMI RUN-RQ-2014-01-14-34

Pace Project No.: 35442776

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.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: SMP-MIAMI RUN-RQ-2014-01-14-34

Pace Project No.: 35442776

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35442776001	G4SE0111	9223B/Quanti-Tray	509204	9223B/Quanti-Tray	509209
35442776002	G4SE0118	Enterolert/Quanti-Tray	510188	Enterolert/Quanti-Tray	510189
35442776003	G4SEWC02	Enterolert/Quanti-Tray	510188	Enterolert/Quanti-Tray	510189
35442776004	G4SE0117	Enterolert/Quanti-Tray	510188	Enterolert/Quanti-Tray	510189
35442776005	G4SE0024	Enterolert/Quanti-Tray	510188	Enterolert/Quanti-Tray	510189

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Pace Analytical
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35442776

Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Required Client Information:

Required Project Information:

Section C

Invoice Information:

Page : 1 Of 1

Company: DEP-Bureau of Labs-Biology Section	Report To:	Attention:
Address: Twin Towers/Lab complex A, RM 216	Copy To:	Company Name:
Tallahessee, FL 32399		Address:
Email:	Purchase Order #: B374A0	Pace Quote:
Phone: 772-448-9383 Fax:	Project Name: SMD - Miam. RUN	Pace Project Manager: jeff.baylor@pacelabs.com,
Requested Due Date:	Project #: R2-2014-01-14-39	Pace Profile #: 10742

	Regulatory Agency
	State / Location

[illegible]

SAMPLER NAME AND SIGNATURE		TEMP in C	Received on ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples intact
PRINT Name of SAMPLER: <i>Alexander Miranda</i>					
SIGNATURE of SAMPLER: <i>Alexander Miranda</i>	DATE Signed: <i>1/17/14</i>				



Document Name
Sample Condition Upon Receipt Form
Document No.
EFLC 007-100-10

Document Revised
May 30, 2018
Issuing Authority
Pace Florida Quality Office

WO#: 35442776

(SCUR)

Project #
Project Manager:
Client:

PM: JSB
CLIENT: DEPBUR

Due Date: 01/28/19

Date and Initials of person:
Examining contents:
Label:
Deliver:
pH:

Thermometer Used:

T-330

Date

1/17/19

Time

1452

Initials

[Signature]

State of Origin:

☐ For WV projects, all containers verified to $\leq 6^{\circ}\text{C}$

Cooler #1 Temp: $^{\circ}\text{C}$ 1.9 (Visual) 1.0 (Correction Factor) 1.9 (Actual)

Cooler #2 Temp: $^{\circ}\text{C}$ (Visual) (Correction Factor) (Actual)

Cooler #3 Temp: $^{\circ}\text{C}$ (Visual) (Correction Factor) (Actual)

Cooler #4 Temp: $^{\circ}\text{C}$ (Visual) (Correction Factor) (Actual)

Cooler #5 Temp: $^{\circ}\text{C}$ (Visual) (Correction Factor) (Actual)

Cooler #6 Temp: $^{\circ}\text{C}$ (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

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☒ Client ☐ Commercial ☐ Pace

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

1/17/19

Shorted Time

1452

Qty:

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 # _____ Date _____ Time _____ 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: