

March 07, 2019

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

RE: Project: SMP NORTH MIA RQ-2019-02-04-73
Pace Project No.: 35451502

Dear Frances Moore:

Enclosed are the analytical results for sample(s) received by the laboratory on March 04, 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 NORTH MIA RQ-2019-02-04-73

Pace Project No.: 35451502

South Florida Certification IDs

3610 Park Central Blvd N, Pompano Beach, FL 33064

Florida Certification #: E86240

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SAMPLE SUMMARY

Project: SMP NORTH MIA RQ-2019-02-04-73

Pace Project No.: 35451502

Lab ID	Sample ID	Matrix	Date Collected	Date Received
35451502001	G4SEBS04	Water	03/04/19 11:40	03/04/19 13:20
35451502002	G4SE0120	Water	03/04/19 12:10	03/04/19 13:20

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SAMPLE ANALYTE COUNT

Project: SMP NORTH MIA RQ-2019-02-04-73

Pace Project No.: 35451502

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35451502001	G4SEBS04	9223B/Quanti-Tray	APB	1	PASI-SF
35451502002	G4SE0120	Enterolert/Quanti-Tray	RBF	1	PASI-SF

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ANALYTICAL RESULTS

Project: SMP NORTH MIA RQ-2019-02-04-73

Pace Project No.: 35451502

Sample: G4SEBS04		Lab ID: 35451502001		Collected: 03/04/19 11:40		Received: 03/04/19 13:20		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	135	MPN/100mL	10.0	10.0	10	03/04/19 14:00	03/05/19 11:18		

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ANALYTICAL RESULTS

Project: SMP NORTH MIA RQ-2019-02-04-73

Pace Project No.: 35451502

Sample: G4SE0120		Lab ID: 35451502002		Collected: 03/04/19 12:10		Received: 03/04/19 13:20		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	102	MPN/100mL	10.0	10.0	10	03/04/19 14:00	03/05/19 15:56		

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QUALITY CONTROL DATA

Project: SMP NORTH MIA RQ-2019-02-04-73

Pace Project No.: 35451502

QC Batch:	520876	Analysis Method:	9223B/Quanti-Tray
QC Batch Method:	9223B/Quanti-Tray	Analysis Description:	Colilert MPN
Associated Lab Samples:	35451502001		

METHOD BLANK: 2812637 Matrix: Water

Associated Lab Samples: 35451502001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
E.coli	MPN/100mL	1.0 U	1.0	1.0	03/05/19 11:18	

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 NORTH MIA RQ-2019-02-04-73

Pace Project No.: 35451502

QC Batch:	520676	Analysis Method:	Enterolert/Quanti-Tray
QC Batch Method:	Enterolert/Quanti-Tray	Analysis Description:	Enterolert MPN
Associated Lab Samples:	35451502002		

METHOD BLANK: 2811893 Matrix: Water

Associated Lab Samples: 35451502002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Enterococci	MPN/100mL	1.0 U	1.0	1.0	03/05/19 15:56	

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 NORTH MIA RQ-2019-02-04-73

Pace Project No.: 35451502

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: SMP NORTH MIA RQ-2019-02-04-73

Pace Project No.: 35451502

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35451502001	G4SEBS04	9223B/Quanti-Tray	520876	9223B/Quanti-Tray	520879
35451502002	G4SE0120	Enterolert/Quanti-Tray	520676	Enterolert/Quanti-Tray	520678

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WO#: 35451502



35451502

- 2 separate analyses (E. coli, Enterococci) for 2 samples

CHAIN-OF-CUSTODY / Analytical Request Document

The 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: Avril.Wood-McGrath@floridaDEP.gov		Attention:			
Address: Twin Towers/Lab complex A, RM 216		Copy To: Kara.Sprague@floridaDEP.gov		Company Name:			
Tallahassee, FL 32399				Address:		Regulatory Agency	
Email:		Purchase Order #: B374A0		Pace Quote:			
Phone: Fax		Project Name: SMP North Miami		Pace Project Manager: jeff.baylor@pacelabs.com,		State / Location	
Requested Due Date:		Project #: RQ-2019-02-04-73		Pace Profile #: 10742			

ITEM #	SAMPLE ID One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique	MATRIX Drinking Water Water Waste Water Product Soil/Solid Oil Wipe Air Other Tissue	CODE DW WT WW P SL OL WP AR OT TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED				SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Analyses Test	Requested Analysis Filtered (Y/N)												Residual Chlorine (Y/N)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
						START		END				Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other		E coli by SM9223B quanti-ira	Enterococci	Fecal Coliform MF	Total Coliform MF																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				

ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION		DATE	TIME	ACCEPTED BY / AFFILIATION		DATE	TIME	SAMPLE CONDITIONS			
G4SEB504 = Fresh / G4SE0120 = Salt		Jordan Skaggs FDEP		3/4/2019	13:20	[Signature] Pace		3/4/19	1320				

SAMPLER NAME AND SIGNATURE		TEMP in C	Received on Ice (Y/N)	Custody Sealed (Y/N)	Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:						
SIGNATURE of SAMPLER: [Signature]						
DATE Signed: 3/4/2019						

	Document Name	Document Revised
	Sample Condition Upon Receipt Form	May 30, 2018
	Document No F-FL-C-007 rev. 13	Issuing Authority Pace Florida Quality Office

WO# : 35451502

(SCUR)

Project # **PM: JSB**
 Project Manager: **CLIENT: DEPBUR**
 Client:

Due Date: 03/13/19

Date and Initials of person:

Examining contents: _____
 Label: _____
 Deliver: _____
 pH: _____

Thermometer Used: T-330

Date: 3/4/19

Time: 1330

Initials: [Signature]

State of Origin: _____

☐ For WV projects, all containers verified to <6 °C

Cooler #1 Temp. °C 5.7 (Visual) 0.0 (Correction Factor) 5.7 (Actual)

☐ Samples on ice, cooling process has begun

Cooler #2 Temp. °C _____ (Visual) _____ (Correction Factor) _____ (Actual)

☐ Samples on ice, cooling process has begun

Cooler #3 Temp. °C _____ (Visual) _____ (Correction Factor) _____ (Actual)

☐ Samples on ice, cooling process has begun

Cooler #4 Temp. °C _____ (Visual) _____ (Correction Factor) _____ (Actual)

☐ Samples on ice, cooling process has begun

Cooler #5 Temp. °C _____ (Visual) _____ (Correction Factor) _____ (Actual)

☐ Samples on ice, cooling process has begun

Cooler #6 Temp. °C _____ (Visual) _____ (Correction Factor) _____ (Actual)

☐ Samples on ice, cooling process has begun

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: _____

Shorted Time: _____

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: _____