

March 20, 2019

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

RE: Project: SMP - Biscayne
Pace Project No.: 35455232

Dear Frances Moore:

Enclosed are the analytical results for sample(s) received by the laboratory on March 19, 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 - Biscayne

Pace Project No.: 35455232

South Florida Certification IDs

3610 Park Central Blvd N, Pompano Beach, FL 33064

Florida Certification #: E86240

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SAMPLE SUMMARY

Project: SMP - Biscayne

Pace Project No.: 35455232

Lab ID	Sample ID	Matrix	Date Collected	Date Received
35455232001	G4SE0127	Water	03/19/19 13:00	03/19/19 13:30

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SAMPLE ANALYTE COUNT

Project: SMP - Biscayne

Pace Project No.: 35455232

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35455232001	G4SE0127	9223B/Quanti-Tray	APB	1	PASI-SF

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ANALYTICAL RESULTS

Project: SMP - Biscayne

Pace Project No.: 35455232

Sample: G4SE0127		Lab ID: 35455232001		Collected: 03/19/19 13:00		Received: 03/19/19 13:30		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	10.0 U	MPN/100mL	10.0	10.0	10	03/19/19 16:37	03/20/19 11:13		

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QUALITY CONTROL DATA

Project: SMP - Biscayne

Pace Project No.: 35455232

QC Batch: 524579

Analysis Method: 9223B/Quanti-Tray

QC Batch Method: 9223B/Quanti-Tray

Analysis Description: Colilert MPN

Associated Lab Samples: 35455232001

METHOD BLANK: 2835694

Matrix: Water

Associated Lab Samples: 35455232001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
E.coli	MPN/100mL	1.0 U	1.0	1.0	03/20/19 11:13	

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 - Biscayne

Pace Project No.: 35455232

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 - Biscayne

Pace Project No.: 35455232

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35455232001	G4SE0127	9223B/Quanti-Tray	524579	9223B/Quanti-Tray	524581

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CHAIN-OF-CUSTODY / Analytical Request Document

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

WO#: 35455232



35455232

Section A

Required Client Information:

Company: DEP-Bureau of Labs-Biology Section
Address: Twin Towers/Lab complex A, RM 216
Tallahessee, FL 32399
Email: Matthew.Sewell@FDEP.gov
Phone: 904.448-5553 Fax:
Requested Due Date:

Section B

Required Project Information:

Report To:
Copy To:
Purchase Order #: B374A0
Project Name: SWP - Biscayne
Project #: RQ-2019-02-18-46

Section C

Invoice Information:

Attention: Matthew Lowell
Company Name: FDEP
Address: 2199 S. Rock Road Ft. Pierce FL 34949
Pace Quote:
Pace Project Manager: jeff.baylor@pacelabs.com
Pace Profile #: 10742

Regulatory Agency

State / Location

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										Y/N	Requested Analysis Filtered (Y/N)												Residual Chlorine (Y/N)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
						START		END				Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2SO3	Methanol	Other	Analyses Test	E coli by SM9223B quanti-tray		Enterococci	Fecal Coliform MF	Total Coliform MF																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	<u>Matthew Lowell / FDEP</u>	<u>03/19</u>	<u>1330</u>	<u>[Signature]</u>	<u>03/19</u>	<u>1330</u>	<u>5.2</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER:

SIGNATURE of SAMPLER:

Matthew Sewell

[Signature]

DATE Signed:

03/19/19

TEMP in C

Received on Ice (Y/N)

Custody Sealed (Y/N)

Cooler (Y/N)

Samples Intact (Y/N)

	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#: 35455232

SCUR)

Project #
Project Manager:
Client:

PM: JSB Due Date: 03/28/19
CLIENT: DEPBUR

Date and Initials of person:

Examining contents:
Label: DMF
Deliver: DMF
pH: DMF

Thermometer Used T-330 Date 03/19/19 Time 1330 Initials: DMF

State of Origin: n

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

Cooler #1 Temp. °C <u>5.2</u> (Visual) <u>0.0</u> (Correction Factor) <u>5.2</u> (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 03/19/19 Shorted Time: 1335 Qty: 1

Comments:

Chain of Custody Present	☒ Yes ☐ No ☐ N/A	Preservation Information Preservative _____ Lot #/Trace # _____ Date _____ Time _____ Initials _____
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	
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: _____