

September 14, 2018

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

RE: Project: SMP RQ-2018-09-10-26
Pace Project No.: 35416944

Dear Frances Moore:

Enclosed are the analytical results for sample(s) received by the laboratory on September 10, 2018. 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 RQ-2018-09-10-26

Pace Project No.: 35416944

South Florida Certification IDs

3610 Park Central Blvd N, Pompano Beach, FL 33064

Florida Certification #: E86240

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SAMPLE SUMMARY

Project: SMP RQ-2018-09-10-26

Pace Project No.: 35416944

Lab ID	Sample ID	Matrix	Date Collected	Date Received
35416944001	G4SE0037	Water	09/10/18 11:55	09/10/18 15:09
35416944002	G4SE0028	Water	09/10/18 12:30	09/10/18 15:09
35416944003	G4SEB011	Water	09/10/18 13:20	09/10/18 15:09
35416944004	G4SE0032	Water	09/10/18 13:50	09/10/18 15:09
35416944005	G4SE0041	Water	09/10/18 14:20	09/10/18 15:09

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SAMPLE ANALYTE COUNT

Project: SMP RQ-2018-09-10-26

Pace Project No.: 35416944

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35416944001	G4SE0037	Enterolert/Quanti-Tray	STH	1	PASI-SF
35416944002	G4SE0028	Enterolert/Quanti-Tray	STH	1	PASI-SF
35416944003	G4SEB011	Enterolert/Quanti-Tray	STH	1	PASI-SF
35416944004	G4SE0032	Enterolert/Quanti-Tray	STH	1	PASI-SF
35416944005	G4SE0041	Enterolert/Quanti-Tray	STH	1	PASI-SF

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ANALYTICAL RESULTS

Project: SMP RQ-2018-09-10-26

Pace Project No.: 35416944

Sample: G4SE0037		Lab ID: 35416944001		Collected: 09/10/18 11:55		Received: 09/10/18 15:09		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	74.0	MPN/100mL	10.0	10.0	10	09/10/18 19:10	09/11/18 19:45		

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ANALYTICAL RESULTS

Project: SMP RQ-2018-09-10-26

Pace Project No.: 35416944

Sample: G4SE0028		Lab ID: 35416944002		Collected: 09/10/18 12:30		Received: 09/10/18 15:09		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	41.0	MPN/100mL	10.0	10.0	10	09/10/18 19:10	09/11/18 19:45		

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ANALYTICAL RESULTS

Project: SMP RQ-2018-09-10-26

Pace Project No.: 35416944

Sample: G4SEB011		Lab ID: 35416944003		Collected: 09/10/18 13:20		Received: 09/10/18 15:09		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	09/10/18 19:10	09/11/18 19:45		

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ANALYTICAL RESULTS

Project: SMP RQ-2018-09-10-26

Pace Project No.: 35416944

Sample: G4SE0032		Lab ID: 35416944004		Collected: 09/10/18 13:50		Received: 09/10/18 15:09		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	09/10/18 19:10	09/11/18 19:45		

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ANALYTICAL RESULTS

Project: SMP RQ-2018-09-10-26

Pace Project No.: 35416944

Sample: G4SE0041		Lab ID: 35416944005		Collected: 09/10/18 14:20		Received: 09/10/18 15:09		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	62.0	MPN/100mL	10.0	10.0	10	09/10/18 19:10	09/11/18 19:45		

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QUALITY CONTROL DATA

Project: SMP RQ-2018-09-10-26

Pace Project No.: 35416944

QC Batch: 477629 Analysis Method: Enterolert/Quanti-Tray

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

Associated Lab Samples: 35416944001, 35416944002, 35416944003, 35416944004, 35416944005

METHOD BLANK: 2586672

Matrix: Water

Associated Lab Samples: 35416944001, 35416944002, 35416944003, 35416944004, 35416944005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Enterococci	MPN/100mL	1.0 U	1.0	1.0	09/11/18 19:45	

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 RQ-2018-09-10-26

Pace Project No.: 35416944

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 RQ-2018-09-10-26

Pace Project No.: 35416944

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35416944001	G4SE0037	Enterolert/Quanti-Tray	477629	Enterolert/Quanti-Tray	477631
35416944002	G4SE0028	Enterolert/Quanti-Tray	477629	Enterolert/Quanti-Tray	477631
35416944003	G4SEB011	Enterolert/Quanti-Tray	477629	Enterolert/Quanti-Tray	477631
35416944004	G4SE0032	Enterolert/Quanti-Tray	477629	Enterolert/Quanti-Tray	477631
35416944005	G4SE0041	Enterolert/Quanti-Tray	477629	Enterolert/Quanti-Tray	477631

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(Avril. Wood - McGrath)
@ Florida DEP. gov

W0#: 35416944



SMP - Broward RQ-2018-09-10-26
est Document
ids must be completed accurately. 09/10/2018

Page 13 of 14

Section A
Required Client Information:

Company: DEP-Bureau of Labs-Biology Section
Address: Twin Towers/Lab complex A, RM 216
Tallahassee, FL 32399
Email: Avril. Wood - McGrath
Phone: Fax:
Requested Due Date:

Section B
Required Project Information:

Report To:
Copy To:
Purchase Order #: B374A0
Project Name: SMP - Broward
Project #:

Attention:
Company Name:
Address:
Pace Quote:
Pace Project Manager: jeff.baylor@pacelabs.com.
Pace Profile #: 10742

Page: 1 Of 1

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	Na2S2O3	Methanol	Other		E. coli by SM9223B	Enterococci	Fecal Coliform MF	Total Coliform MF	E. coli SM9223B	Enterococci																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	

ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION		DATE	TIME	ACCEPTED BY / AFFILIATION		DATE	TIME	SAMPLE CONDITIONS			
RQ-2018-09-10-26		J. Skaggs / FDEP				J. Skaggs / FDEP		9/10	15:09				



Document Name:
Sample Condition Upon Receipt Form
Document No.:

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

WO#: 35416944

SCUR)

Project #
Project Manager:
Client:

PM: JSB
CLIENT: DEPBUR

Due Date: 09/19/18

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

Thermometer Used: T-330

Date: 9/10/18

Time: 1509

Initials: DMF

State of Origin: FL

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

Cooler #1 Temp. $^{\circ}\text{C}$ 4.0 (Visual) 0.0 (Correction Factor) 4.0 (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

☐ 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: NA

Shorted Time: NA

Qty: NA

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: _____