

November 15, 2018

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

RE: Project: SMP-Broward
Pace Project No.: 35430805

Dear Frances Moore:

Enclosed are the analytical results for sample(s) received by the laboratory on November 13, 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-Broward

Pace Project No.: 35430805

South Florida Certification IDs

3610 Park Central Blvd N, Pompano Beach, FL 33064

Florida Certification #: E86240

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SAMPLE SUMMARY

Project: SMP-Broward

Pace Project No.: 35430805

Lab ID	Sample ID	Matrix	Date Collected	Date Received
35430805001	G4 SE 0106	Water	11/13/18 12:40	11/13/18 14:00
35430805002	G4 SE 0028	Water	11/13/18 13:00	11/13/18 14:00
35430805003	G4 SE 0041	Water	11/13/18 13:40	11/13/18 14:00

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SAMPLE ANALYTE COUNT

Project: SMP-Broward

Pace Project No.: 35430805

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35430805001	G4 SE 0106	Enterolert/Quanti-Tray	RBF	1	PASI-SF
35430805002	G4 SE 0028	Enterolert/Quanti-Tray	RBF	1	PASI-SF
35430805003	G4 SE 0041	Enterolert/Quanti-Tray	RBF	1	PASI-SF

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ANALYTICAL RESULTS

Project: SMP-Broward

Pace Project No.: 35430805

Sample: G4 SE 0106		Lab ID: 35430805001	Collected: 11/13/18 12:40	Received: 11/13/18 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	393	MPN/100mL	10.0	10.0	10	11/13/18 15:22	11/14/18 19:20		

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ANALYTICAL RESULTS

Project: SMP-Broward

Pace Project No.: 35430805

Sample: G4 SE 0028		Lab ID: 35430805002		Collected: 11/13/18 13:00		Received: 11/13/18 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	145	MPN/100mL	10.0	10.0	10	11/13/18 15:22	11/14/18 19:20		

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ANALYTICAL RESULTS

Project: SMP-Broward

Pace Project No.: 35430805

Sample: G4 SE 0041		Lab ID: 35430805003		Collected: 11/13/18 13:40		Received: 11/13/18 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	187	MPN/100mL	10.0	10.0	10	11/13/18 15:22	11/14/18 19:20		

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QUALITY CONTROL DATA

Project: SMP-Broward

Pace Project No.: 35430805

QC Batch: 494069 Analysis Method: Enterolert/Quanti-Tray

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

Associated Lab Samples: 35430805001, 35430805002, 35430805003

METHOD BLANK: 2672331 Matrix: Water

Associated Lab Samples: 35430805001, 35430805002, 35430805003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Enterococci	MPN/100mL	1.0 U	1.0	1.0	11/14/18 19:20	

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-Broward
Pace Project No.: 35430805

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-Broward

Pace Project No.: 35430805

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35430805001	G4 SE 0106	Enterolert/Quanti-Tray	494069	Enterolert/Quanti-Tray	494070
35430805002	G4 SE 0028	Enterolert/Quanti-Tray	494069	Enterolert/Quanti-Tray	494070
35430805003	G4 SE 0041	Enterolert/Quanti-Tray	494069	Enterolert/Quanti-Tray	494070

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report to: Avail. Wood-McGrath@floridadepl.gov



CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A

Required Client Information:

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

Section B

Required Project Information:

Report To:
Copy To:
Purchase Order #: B374A0
Project Name:
Project #:

Section C

Invoice Information:

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

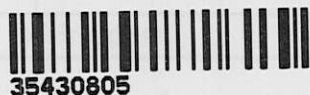
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Regulatory Agency

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																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			

WO#: 35430805



ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	JS FDP	11/13/18	1400	<i>[Signature]</i>	11/13/18	1400	11.2			

SAMPLER NAME AND SIGNATURE		TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER: Jordan Scott					
SIGNATURE of SAMPLER: <i>[Signature]</i>	DATE Signed: 11/13/2018				

	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

Project #
Project Manager:
Client:

WO# : 35430805

PM: JSB
CLIENT: DEPBUR

Due Date: 11/26/18

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

Thermometer Used: T-330

Date: 11-13-18

Time: 17:30

Initials: CMW

State of Origin: FL

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

Cooler #1 Temp. °C 3.8 (Visual) -0.0 (Correction Factor) 3.8 (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

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: Shorted Time: Qty:

Comments:

Chain of Custody Present	☒ Yes ☐ No ☐ N/A	Preservation Information: Preservative: <u> </u> Lot #/Trace #: <u> </u> Date: <u> </u> Time: <u> </u> Initials: <u> </u>
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: Page 12 of 12