

August 27, 2018

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

RE: Project: SMP-BROWARD/RQ-2018-08-20-56
Pace Project No.: 35412689

Dear Frances Moore:

Enclosed are the analytical results for sample(s) received by the laboratory on August 22, 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/RQ-2018-08-20-56

Pace Project No.: 35412689

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/RQ-2018-08-20-56

Pace Project No.: 35412689

Lab ID	Sample ID	Matrix	Date Collected	Date Received
35412689001	G4SE0037	Water	08/22/18 12:45	08/22/18 15:45
35412689002	G4SE0028	Water	08/22/18 13:00	08/22/18 15:45
35412689003	G4SE0032	Water	08/22/18 13:00	08/22/18 15:45
35412689004	G4SEB011	Water	08/22/18 14:00	08/22/18 15:45
35412689005	G4SE0049	Water	08/22/18 14:10	08/22/18 15:45
35412689006	G4SE0041	Water	08/22/18 15:25	08/22/18 15:45

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SAMPLE ANALYTE COUNT

Project: SMP-BROWARD/RQ-2018-08-20-56

Pace Project No.: 35412689

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35412689001	G4SE0037	Enterolert/Quanti-Tray	STH	1	PASI-SF
35412689002	G4SE0028	Enterolert/Quanti-Tray	STH	1	PASI-SF
35412689003	G4SE0032	Enterolert/Quanti-Tray	STH	1	PASI-SF
35412689004	G4SEB011	Enterolert/Quanti-Tray	STH	1	PASI-SF
35412689005	G4SE0049	9223B/Quanti-Tray	STH	1	PASI-SF
35412689006	G4SE0041	Enterolert/Quanti-Tray	STH	1	PASI-SF

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ANALYTICAL RESULTS

Project: SMP-BROWARD/RQ-2018-08-20-56

Pace Project No.: 35412689

Sample: G4SE0037		Lab ID: 35412689001		Collected: 08/22/18 12:45		Received: 08/22/18 15:45		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	08/22/18 16:51	08/23/18 17:40		

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ANALYTICAL RESULTS

Project: SMP-BROWARD/RQ-2018-08-20-56

Pace Project No.: 35412689

Sample: G4SE0028		Lab ID: 35412689002		Collected: 08/22/18 13:00		Received: 08/22/18 15:45		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	08/22/18 16:51	08/23/18 17:40		

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ANALYTICAL RESULTS

Project: SMP-BROWARD/RQ-2018-08-20-56

Pace Project No.: 35412689

Sample: G4SE0032		Lab ID: 35412689003		Collected: 08/22/18 13:00		Received: 08/22/18 15:45		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 U	MPN/100mL	10.0	10.0	10	08/22/18 16:51	08/23/18 17:40		

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ANALYTICAL RESULTS

Project: SMP-BROWARD/RQ-2018-08-20-56

Pace Project No.: 35412689

Sample: G4SEB011		Lab ID: 35412689004		Collected: 08/22/18 14:00		Received: 08/22/18 15:45		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	08/22/18 16:51	08/23/18 17:40		

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ANALYTICAL RESULTS

Project: SMP-BROWARD/RQ-2018-08-20-56

Pace Project No.: 35412689

Sample: G4SE0049		Lab ID: 35412689005		Collected: 08/22/18 14:10		Received: 08/22/18 15:45		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	97.0	MPN/100mL	10.0	10.0	10	08/22/18 16:51	08/23/18 12:56		

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ANALYTICAL RESULTS

Project: SMP-BROWARD/RQ-2018-08-20-56

Pace Project No.: 35412689

Sample: G4SE0041		Lab ID: 35412689006		Collected: 08/22/18 15:25		Received: 08/22/18 15:45		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	51.0	MPN/100mL	10.0	10.0	10	08/22/18 16:51	08/23/18 17:40		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: SMP-BROWARD/RQ-2018-08-20-56

Pace Project No.: 35412689

QC Batch:	472561	Analysis Method:	9223B/Quanti-Tray
QC Batch Method:	9223B/Quanti-Tray	Analysis Description:	Colilert MPN
Associated Lab Samples:	35412689005		

METHOD BLANK: 2554628 Matrix: Water

Associated Lab Samples: 35412689005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
E.coli	MPN/100mL	1.0 U	1.0	1.0	08/23/18 12:56	

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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QUALITY CONTROL DATA

Project: SMP-BROWARD/RQ-2018-08-20-56

Pace Project No.: 35412689

QC Batch: 472572 Analysis Method: Enterolert/Quanti-Tray

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

Associated Lab Samples: 35412689001, 35412689002, 35412689003, 35412689004, 35412689006

METHOD BLANK: 2554695

Matrix: Water

Associated Lab Samples: 35412689001, 35412689002, 35412689003, 35412689004, 35412689006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Enterococci	MPN/100mL	1.0 U	1.0	1.0	08/23/18 17:40	

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/RQ-2018-08-20-56

Pace Project No.: 35412689

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-BROWARD/RQ-2018-08-20-56

Pace Project No.: 35412689

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35412689005	G4SE0049	9223B/Quanti-Tray	472561	9223B/Quanti-Tray	472562
35412689001	G4SE0037	Enterolert/Quanti-Tray	472572	Enterolert/Quanti-Tray	472573
35412689002	G4SE0028	Enterolert/Quanti-Tray	472572	Enterolert/Quanti-Tray	472573
35412689003	G4SE0032	Enterolert/Quanti-Tray	472572	Enterolert/Quanti-Tray	472573
35412689004	G4SEB011	Enterolert/Quanti-Tray	472572	Enterolert/Quanti-Tray	472573
35412689006	G4SE0041	Enterolert/Quanti-Tray	472572	Enterolert/Quanti-Tray	472573

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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: Avril.Wood-Mcgrath@dep.state.fl.us
Copy To: Matthew.Sewell@dep.state.fl.us
Jordan.Skaggs@dep.state.fl.us
Purchase Order #: B374A0
Project Name: SWP-Broward
Project #: RQ-2018-02-20-56

Section C

Invoice Information:

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																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS		
	Jordan Skaggs/FDEP	8/22	15:25	Matthew Sewell	8/22	15:25			

NO#: 35412689



35412689

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER:

SIGNATURE of SAMPLER:

DATE Signed:

TEMP in C

Received on

Ice

(Y/N)

Custody

Sealed

Cooler

(Y/N)

Samples

Intact

(Y/N)



Document Name:
Sample Condition Upon Receipt Form
Document No.:
F-FL-C-007 rev. 12

Document Revised:
August 2, 2017
Issuing Authority:
Pace Florida Quality Office

WO#: 35412689 Form (SCUR)

Project #
Project Manager:
Client:

PM: JSB
CLIENT: DEFBUR

Due Date: 08/31/18

Date and Initials of person:

Examining contents: _____

Label: _____

Deliver: _____

pH: _____

Thermometer Used: 9-330

Date: 8/2/13

Time: 1545

Initials: [Signature]

State of Origin: _____

Cooler #1 Temp. °C 4.0 (Visual) 0.0 (Correction Factor) 4.0 (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	
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: Exceptions: VOA, Coliform, TOC, O&G, Carbamates	☐ Yes ☐ No ☐ N/A	
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: _____