

September 18, 2018

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

RE: Project: SMP RQ-2018-09-10-27
Pace Project No.: 35417136

Dear Frances Moore:

Enclosed are the analytical results for sample(s) received by the laboratory on September 11, 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-2018-09-10-27

Pace Project No.: 35417136

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-2018-09-10-27

Pace Project No.: 35417136

Lab ID	Sample ID	Matrix	Date Collected	Date Received
35417136001	G4SECD06	Water	09/11/18 11:55	09/11/18 16:36
35417136002	G4SE0024	Water	09/11/18 13:10	09/11/18 16:36
35417136003	G4SEWC02	Water	09/11/18 14:00	09/11/18 16:36
35417136004	G4SE0023	Water	09/11/18 13:00	09/11/18 16:36
35417136005	G4SE0049	Water	09/11/18 15:40	09/11/18 16:36
35417136006	G4SE0023-DUP	Water	09/11/18 15:05	09/11/18 16:36

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SAMPLE ANALYTE COUNT

Project: SMP RQ-2018-09-10-27

Pace Project No.: 35417136

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35417136001	G4SECD06	9223B/Quanti-Tray	STH	1	PASI-SF
35417136002	G4SE0024	Enterolert/Quanti-Tray	STH	1	PASI-SF
35417136003	G4SEWC02	Enterolert/Quanti-Tray	STH	1	PASI-SF
35417136004	G4SE0023	9223B/Quanti-Tray	STH	1	PASI-SF
35417136005	G4SE0049	9223B/Quanti-Tray	STH	1	PASI-SF
35417136006	G4SE0023-DUP	9223B/Quanti-Tray	STH	1	PASI-SF

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ANALYTICAL RESULTS

Project: SMP RQ-2018-09-10-27

Pace Project No.: 35417136

Sample: G4SECD06		Lab ID: 35417136001		Collected: 09/11/18 11:55		Received: 09/11/18 16:36		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	285	MPN/100mL	10.0	10.0	10	09/11/18 19:37	09/12/18 13:57		

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ANALYTICAL RESULTS

Project: SMP RQ-2018-09-10-27

Pace Project No.: 35417136

Sample: G4SE0024		Lab ID: 35417136002		Collected: 09/11/18 13:10		Received: 09/11/18 16:36		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	71.0	MPN/100mL	10.0	10.0	10	09/11/18 19:37	09/12/18 19:50		

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ANALYTICAL RESULTS

Project: SMP RQ-2018-09-10-27

Pace Project No.: 35417136

Sample: G4SEWC02		Lab ID: 35417136003		Collected: 09/11/18 14:00		Received: 09/11/18 16:36		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	09/11/18 19:37	09/12/18 19:50		

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ANALYTICAL RESULTS

Project: SMP RQ-2018-09-10-27

Pace Project No.: 35417136

Sample: G4SE0023		Lab ID: 35417136004		Collected: 09/11/18 13:00		Received: 09/11/18 16:36		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	41.0	MPN/100mL	10.0	10.0	10	09/11/18 19:37	09/12/18 13:57		

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ANALYTICAL RESULTS

Project: SMP RQ-2018-09-10-27

Pace Project No.: 35417136

Sample: G4SE0049		Lab ID: 35417136005		Collected: 09/11/18 15:40		Received: 09/11/18 16:36		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	156	MPN/100mL	10.0	10.0	10	09/11/18 19:37	09/12/18 13:57		

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ANALYTICAL RESULTS

Project: SMP RQ-2018-09-10-27

Pace Project No.: 35417136

Sample: G4SE0023-DUP		Lab ID: 35417136006		Collected: 09/11/18 15:05		Received: 09/11/18 16:36		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	31.0	MPN/100mL	10.0	10.0	10	09/11/18 19:37	09/12/18 13:57		

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QUALITY CONTROL DATA

Project: SMP RQ-2018-09-10-27

Pace Project No.: 35417136

QC Batch:	477724	Analysis Method:	9223B/Quanti-Tray
QC Batch Method:	9223B/Quanti-Tray	Analysis Description:	Colilert MPN
Associated Lab Samples:	35417136001, 35417136004, 35417136005, 35417136006		

METHOD BLANK:	2586985	Matrix:	Water
Associated Lab Samples:	35417136001, 35417136004, 35417136005, 35417136006		

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
E.coli	MPN/100mL	1.0 U	1.0	1.0	09/12/18 13:57	

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 RQ-2018-09-10-27

Pace Project No.: 35417136

QC Batch:	477660	Analysis Method:	Enterolert/Quanti-Tray
QC Batch Method:	Enterolert/Quanti-Tray	Analysis Description:	Enterolert MPN
Associated Lab Samples:	35417136002, 35417136003		

METHOD BLANK: 2586749 Matrix: Water

Associated Lab Samples: 35417136002, 35417136003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Enterococci	MPN/100mL	1.0 U	1.0	1.0	09/12/18 19:50	

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-2018-09-10-27

Pace Project No.: 35417136

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-2018-09-10-27

Pace Project No.: 35417136

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35417136001	G4SECD06	9223B/Quanti-Tray	477724	9223B/Quanti-Tray	477725
35417136004	G4SE0023	9223B/Quanti-Tray	477724	9223B/Quanti-Tray	477725
35417136005	G4SE0049	9223B/Quanti-Tray	477724	9223B/Quanti-Tray	477725
35417136006	G4SE0023-DUP	9223B/Quanti-Tray	477724	9223B/Quanti-Tray	477725
35417136002	G4SE0024	Enterolert/Quanti-Tray	477660	Enterolert/Quanti-Tray	477663
35417136003	G4SEWC02	Enterolert/Quanti-Tray	477660	Enterolert/Quanti-Tray	477663

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35417136

evant fields must be completed accurately.

Page : 1 Of 1

Section B

Required Client Information:

Required Project Information

Company: DEP-Bureau of Labs-Biology Section

Report To: ★

Address: Twin Towers/Lab complex A, RM 216

Copy To:

Tallahessee, FL 32399

Purchase Order #:	B374A0
-------------------	--------

Company Name:	
---------------	--

Address:

Email: _____

Project Name: SMP Dade

Pace Project Manager:	jeff.baylor@pacelabs.com.
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Requested Due Date:

Project #: RQ-2013-09-10-27

Pace Profile #:	10742
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Regulatory Agency

State / Location

[illegible]



Document Name:
Sample Condition Upon Receipt Form
Document No.:
F-FL-C-007 rev. 13

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

WO#: 35417136

n (SCUR)

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

Due Date: 09/20/18

Date and Initials of person:

Examining contents:

Label:

Deliver:

pH:

Thermometer Used: T-330

Date: 9/10/18

Time: 1636

Initials: [Signature]

State of Origin:

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

Cooler #1 Temp. $^{\circ}\text{C}$ 3.6 (Visual) 0.2 (Correction Factor) 3.6 (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

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: