

November 01, 2018

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

RE: Project: SMP RQ-2018-10-15-41
Pace Project No.: 35424888

Dear Frances Moore:

Enclosed are the analytical results for sample(s) received by the laboratory on October 17, 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.

The sample ID for 35424888006 was corrected and the report was revised.

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-2018-10-15-41

Pace Project No.: 35424888

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-2018-10-15-41

Pace Project No.: 35424888

Lab ID	Sample ID	Matrix	Date Collected	Date Received
35424888001	G4SE0023	Water	10/17/18 12:00	10/17/18 16:00
35424888002	G4SE0023 DUPE	Water	10/17/18 12:10	10/17/18 16:00
35424888003	G4SE0049	Water	10/17/18 12:20	10/17/18 16:00
35424888004	G4SECD06	Water	10/17/18 13:30	10/17/18 16:00
35424888005	G4SE0024	Water	10/17/18 14:15	10/17/18 16:00
35424888006	G4SEWC02	Water	10/17/18 15:10	10/17/18 16:00

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SAMPLE ANALYTE COUNT

Project: SMP RQ-2018-10-15-41

Pace Project No.: 35424888

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35424888001	G4SE0023	9223B/Quanti-Tray	SFL	1	PASI-SF
35424888002	G4SE0023 DUPE	9223B/Quanti-Tray	SFL	1	PASI-SF
35424888003	G4SE0049	9223B/Quanti-Tray	SFL	1	PASI-SF
35424888004	G4SECD06	9223B/Quanti-Tray	SFL	1	PASI-SF
35424888005	G4SE0024	Enterolert/Quanti-Tray	STH	1	PASI-SF
35424888006	G4SEWC02	Enterolert/Quanti-Tray	STH	1	PASI-SF

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ANALYTICAL RESULTS

Project: SMP RQ-2018-10-15-41

Pace Project No.: 35424888

Sample: G4SE0023		Lab ID: 35424888001		Collected: 10/17/18 12:00		Received: 10/17/18 16:00		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	52.0	MPN/100mL	10.0	10.0	10	10/17/18 16:42	10/18/18 12:23		

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ANALYTICAL RESULTS

Project: SMP RQ-2018-10-15-41

Pace Project No.: 35424888

Sample: G4SE0023 DUPE		Lab ID: 35424888002		Collected: 10/17/18 12:10		Received: 10/17/18 16:00		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	52.0	MPN/100mL	10.0	10.0	10	10/17/18 16:42	10/18/18 12:23		

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ANALYTICAL RESULTS

Project: SMP RQ-2018-10-15-41

Pace Project No.: 35424888

Sample: G4SE0049		Lab ID: 35424888003		Collected: 10/17/18 12:20		Received: 10/17/18 16:00		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	52.0	MPN/100mL	10.0	10.0	10	10/17/18 16:42	10/18/18 12:23		

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ANALYTICAL RESULTS

Project: SMP RQ-2018-10-15-41

Pace Project No.: 35424888

Sample: G4SECD06		Lab ID: 35424888004		Collected: 10/17/18 13:30		Received: 10/17/18 16:00		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	1210	MPN/100mL	10.0	10.0	10	10/17/18 16:42	10/18/18 12:23		

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ANALYTICAL RESULTS

Project: SMP RQ-2018-10-15-41

Pace Project No.: 35424888

Sample: G4SE0024		Lab ID: 35424888005		Collected: 10/17/18 14:15		Received: 10/17/18 16:00		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	31.0	MPN/100mL	10.0	10.0	10	10/17/18 16:43	10/18/18 16:45		

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ANALYTICAL RESULTS

Project: SMP RQ-2018-10-15-41

Pace Project No.: 35424888

Sample: G4SEWC02		Lab ID: 35424888006		Collected: 10/17/18 15:10		Received: 10/17/18 16:00		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	30.0	MPN/100mL	10.0	10.0	10	10/17/18 16:43	10/18/18 16:45		

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QUALITY CONTROL DATA

Project: SMP RQ-2018-10-15-41

Pace Project No.: 35424888

QC Batch:	488895	Analysis Method:	9223B/Quanti-Tray
QC Batch Method:	9223B/Quanti-Tray	Analysis Description:	Colilert MPN
Associated Lab Samples:	35424888001, 35424888002, 35424888003, 35424888004		

METHOD BLANK:	2644877	Matrix:	Water
Associated Lab Samples:	35424888001, 35424888002, 35424888003, 35424888004		

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
E.coli	MPN/100mL	1.0 U	1.0	1.0	10/18/18 12:23	

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-2018-10-15-41

Pace Project No.: 35424888

QC Batch: 488808

Analysis Method: Enterolert/Quanti-Tray

QC Batch Method: Enterolert/Quanti-Tray

Analysis Description: Enterolert MPN

Associated Lab Samples: 35424888005, 35424888006

METHOD BLANK: 2644152

Matrix: Water

Associated Lab Samples: 35424888005, 35424888006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Enterococci	MPN/100mL	1.0 U	1.0	1.0	10/18/18 16:45	

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-2018-10-15-41

Pace Project No.: 35424888

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-2018-10-15-41

Pace Project No.: 35424888

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35424888001	G4SE0023	9223B/Quanti-Tray	488895	9223B/Quanti-Tray	488896
35424888002	G4SE0023 DUPE	9223B/Quanti-Tray	488895	9223B/Quanti-Tray	488896
35424888003	G4SE0049	9223B/Quanti-Tray	488895	9223B/Quanti-Tray	488896
35424888004	G4SECD06	9223B/Quanti-Tray	488895	9223B/Quanti-Tray	488896
35424888005	G4SE0024	Enterolert/Quanti-Tray	488808	Enterolert/Quanti-Tray	488809
35424888006	G4SEWC02	Enterolert/Quanti-Tray	488808	Enterolert/Quanti-Tray	488809

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report to: Avril.Wood-McGloth@Florida.DEP.gov

CHAIN-OF-CUSTODY / Analytical Request Document

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

WO# : 35424888



35424888

Section A		Section B		Section C	
Required Client Information:		Required Project Information:		Invoice Information:	
Company:	DEP-Bureau of Labs-Biology Section	Report To:		Attention:	
Address:	Twin Towers/Lab complex A, RM 216	Copy To:		Company Name:	
	Tallahessee, FL 32399			Address:	
Email:		Purchase Order #:	B374A0	Pace Quote:	
Phone:		Project Name:		Pace Project Manager:	jeff.haylor@pacelabs.com,
Fax:		Project #:	RR-2018-10-15-41	Pace Profile #:	10742
Requested Due Date:					
				Regulatory Agency	
				State / Location	

Page : 1 Of 1

[illegible]

SAMPLER NAME AND SIGNATURE		TEMP IN C		Received on	Sealed	Samples
PRINT Name of SAMPLER:		DATE Signed:		Ice	Cooler	Intact
SIGNATURE of SAMPLER:		10/17/18		(Y/N)	(Y/N)	(Y/N)



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

Sample Condition: (SCUR)

Project #
Project Manager:
Client:

WO#: 35424888

PM: JSB
CLIENT: DEPBUR
Due Date: 10/26/18

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

Thermometer Used: 9-330 Date: 10/17/13 Time: 1620 Initials: [Signature]

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

Cooler #1 Temp. $^{\circ}\text{C}$ 5.3 (Visual) 0.0 (Correction Factor) 5.3 (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: 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: Page 16 of 16