

November 30, 2018

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

RE: Project: RQ-2018-11-26-06
Pace Project No.: 35433552

Dear Frances Moore:

Enclosed are the analytical results for sample(s) received by the laboratory on November 28, 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

This report shall not be reproduced, except in full,
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CERTIFICATIONS

Project: RQ-2018-11-26-06

Pace Project No.: 35433552

South Florida Certification IDs

3610 Park Central Blvd N, Pompano Beach, FL 33064

Florida Certification #: E86240

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SAMPLE SUMMARY

Project: RQ-2018-11-26-06

Pace Project No.: 35433552

Lab ID	Sample ID	Matrix	Date Collected	Date Received
35433552001	G4SE0049	Water	11/28/18 11:25	11/28/18 16:38
35433552002	G4SECD06	Water	11/28/18 13:40	11/28/18 16:38
35433552003	G4SEWC02	Water	11/28/18 14:45	11/28/18 16:38
35433552004	G4SE0024	Water	11/28/18 15:15	11/28/18 16:38

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SAMPLE ANALYTE COUNT

Project: RQ-2018-11-26-06

Pace Project No.: 35433552

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35433552001	G4SE0049	9223B/Quanti-Tray	RBF	1	PASI-SF
35433552002	G4SECD06	9223B/Quanti-Tray	RBF	1	PASI-SF
35433552003	G4SEWC02	Enterolert/Quanti-Tray	RBF	1	PASI-SF
35433552004	G4SE0024	Enterolert/Quanti-Tray	RBF	1	PASI-SF

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ANALYTICAL RESULTS

Project: RQ-2018-11-26-06

Pace Project No.: 35433552

Sample: G4SE0049		Lab ID: 35433552001		Collected: 11/28/18 11:25		Received: 11/28/18 16:38		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	10.0	MPN/100mL	10.0	10.0	10	11/28/18 17:17	11/29/18 14:20		

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ANALYTICAL RESULTS

Project: RQ-2018-11-26-06

Pace Project No.: 35433552

Sample: G4SECD06		Lab ID: 35433552002		Collected: 11/28/18 13:40		Received: 11/28/18 16:38		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	538	MPN/100mL	10.0	10.0	10	11/28/18 17:17	11/29/18 14:20		

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ANALYTICAL RESULTS

Project: RQ-2018-11-26-06

Pace Project No.: 35433552

Sample: G4SEWC02		Lab ID: 35433552003		Collected: 11/28/18 14:45		Received: 11/28/18 16:38		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	108	MPN/100mL	10.0	10.0	10	11/28/18 17:07	11/29/18 18:28		

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ANALYTICAL RESULTS

Project: RQ-2018-11-26-06

Pace Project No.: 35433552

Sample: G4SE0024		Lab ID: 35433552004		Collected: 11/28/18 15:15		Received: 11/28/18 16:38		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	20.0	MPN/100mL	10.0	10.0	10	11/28/18 17:07	11/29/18 18:28		

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QUALITY CONTROL DATA

Project: RQ-2018-11-26-06

Pace Project No.: 35433552

QC Batch:	497660	Analysis Method:	9223B/Quanti-Tray
QC Batch Method:	9223B/Quanti-Tray	Analysis Description:	Colilert MPN
Associated Lab Samples:	35433552001, 35433552002		

METHOD BLANK: 2690843 Matrix: Water

Associated Lab Samples: 35433552001, 35433552002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
E.coli	MPN/100mL	1.0 U	1.0	1.0	11/29/18 14:20	

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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QUALITY CONTROL DATA

Project: RQ-2018-11-26-06

Pace Project No.: 35433552

QC Batch:	497653	Analysis Method:	Enterolert/Quanti-Tray
QC Batch Method:	Enterolert/Quanti-Tray	Analysis Description:	Enterolert MPN
Associated Lab Samples:	35433552003, 35433552004		

METHOD BLANK: 2690830 Matrix: Water

Associated Lab Samples: 35433552003, 35433552004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Enterococci	MPN/100mL	1.0 U	1.0	1.0	11/29/18 18:28	

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: RQ-2018-11-26-06

Pace Project No.: 35433552

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: RQ-2018-11-26-06

Pace Project No.: 35433552

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35433552001	G4SE0049	9223B/Quanti-Tray	497660	9223B/Quanti-Tray	497661
35433552002	G4SECD06	9223B/Quanti-Tray	497660	9223B/Quanti-Tray	497661
35433552003	G4SEWC02	Enterolert/Quanti-Tray	497653	Enterolert/Quanti-Tray	497656
35433552004	G4SE0024	Enterolert/Quanti-Tray	497653	Enterolert/Quanti-Tray	497656

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	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

Sample Condition Upon Receipt Form (SCUR)

Project #
Project Manager:
Client:

WO# : 35433552

PM: JSB Due Date: 12/07/18
CLIENT: DEPBUR

Date and Initials of person:

Examining contents: 11/28/18
Label: _____
Deliver: MA
pH: 7.2

Thermometer Used: T-330 Date: 11/28/18 Time: 1640 Initials: MA

State of Origin: FL ☐ For WV projects, all containers verified to ≤6 °C

Cooler #1 Temp.°C <u>5.0</u> (Visual) <u>40.0</u> (Correction Factor) <u>5.6</u> (Actual)	☐ Samples on ice, cooling process has begun
Cooler #2 Temp.°C _____ (Visual) _____ (Correction Factor) _____ (Actual)	☐ Samples on ice, cooling process has begun
Cooler #3 Temp.°C _____ (Visual) _____ (Correction Factor) _____ (Actual)	☐ Samples on ice, cooling process has begun
Cooler #4 Temp.°C _____ (Visual) _____ (Correction Factor) _____ (Actual)	☐ Samples on ice, cooling process has begun
Cooler #5 Temp.°C _____ (Visual) _____ (Correction Factor) _____ (Actual)	☐ Samples on ice, cooling process has begun
Cooler #6 Temp.°C _____ (Visual) _____ (Correction Factor) _____ (Actual)	☐ 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: 11/28/18 Shorted Time: 1645 Qty: 4

Comments:

Chain of Custody Present	☒ Yes ☐ No ☐ N/A	Preservation Information: Preservative: _____ Lot #/Trace #: _____ Date: _____ Time: _____ Initials: _____
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 14 of 14