

February 07, 2019

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

RE: Project: SMP FORT LAUDERDALE
Pace Project No.: 35444669

Dear Frances Moore:

Enclosed are the analytical results for sample(s) received by the laboratory on January 29, 2019. 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 Enterococcus result for sample G4SE0037 was not available due to an internal lab issue.

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 FORT LAUDERDALE

Pace Project No.: 35444669

South Florida Certification IDs

3610 Park Central Blvd N, Pompano Beach, FL 33064

Florida Certification #: E86240

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SAMPLE SUMMARY

Project: SMP FORT LAUDERDALE

Pace Project No.: 35444669

Lab ID	Sample ID	Matrix	Date Collected	Date Received
35444669001	G4SE0037	Water	01/29/19 12:50	01/29/19 15:55
35444669002	G4SE0106	Water	01/29/19 13:30	01/29/19 15:55
35444669003	G4SEB064	Water	01/29/19 14:10	01/29/19 15:55
35444669004	G4SE0085	Water	01/29/19 14:35	01/29/19 15:55

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SAMPLE ANALYTE COUNT

Project: SMP FORT LAUDERDALE

Pace Project No.: 35444669

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35444669002	G4SE0106	Enterolert/Quanti-Tray	RBF	1	PASI-SF
35444669003	G4SEB064	Enterolert/Quanti-Tray	RBF	1	PASI-SF
35444669004	G4SE0085	Enterolert/Quanti-Tray	RBF	1	PASI-SF

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SUMMARY OF DETECTION

Project: SMP FORT LAUDERDALE

Pace Project No.: 35444669

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
35444669002	G4SE0106					
Enterolert/Quanti-Tray	Enterococci	183	MPN/100mL	10.0	01/30/19 19:28	
35444669003	G4SEB064					
Enterolert/Quanti-Tray	Enterococci	301	MPN/100mL	10.0	01/30/19 19:28	
35444669004	G4SE0085					
Enterolert/Quanti-Tray	Enterococci	241	MPN/100mL	10.0	01/30/19 19:28	

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PROJECT NARRATIVE

Project: SMP FORT LAUDERDALE

Pace Project No.: 35444669

Method: Enterolert/Quanti-Tray

Description: Enterolert/Quanti-Tray

Client: DEP-Bureau of Labs-Biology Section

Date: February 07, 2019

General Information:

3 samples were analyzed for Enterolert/Quanti-Tray. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with Enterolert/Quanti-Tray with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Internal Standards:

All internal standards were within QC limits with any exceptions noted below.

Surrogates:

All surrogates were within QC limits with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

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ANALYTICAL RESULTS

Project: SMP FORT LAUDERDALE

Pace Project No.: 35444669

Sample: G4SE0106		Lab ID: 35444669002		Collected: 01/29/19 13:30		Received: 01/29/19 15:55		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	183	MPN/100mL	10.0	10.0	10	01/29/19 17:50	01/30/19 19:28		

Sample: G4SEB064		Lab ID: 35444669003		Collected: 01/29/19 14:10		Received: 01/29/19 15:55		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	301	MPN/100mL	10.0	10.0	10	01/29/19 17:50	01/30/19 19:28		

Sample: G4SE0085		Lab ID: 35444669004		Collected: 01/29/19 14:35		Received: 01/29/19 15:55		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	241	MPN/100mL	10.0	10.0	10	01/29/19 17:50	01/30/19 19:28		

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QUALITY CONTROL DATA

Project: SMP FORT LAUDERDALE

Pace Project No.: 35444669

QC Batch: 513312 Analysis Method: Enterolert/Quanti-Tray

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

Associated Lab Samples: 35444669002, 35444669003, 35444669004

METHOD BLANK: 2771168 Matrix: Water

Associated Lab Samples: 35444669002, 35444669003, 35444669004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Enterococci	MPN/100mL	1.0 U	1.0	1.0	01/30/19 19:28	

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: SMP FORT LAUDERDALE
Pace Project No.: 35444669

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 FORT LAUDERDALE

Pace Project No.: 35444669

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35444669002	G4SE0106	Enterolert/Quanti-Tray	513312	Enterolert/Quanti-Tray	513313
35444669003	G4SEB064	Enterolert/Quanti-Tray	513312	Enterolert/Quanti-Tray	513313
35444669004	G4SE0085	Enterolert/Quanti-Tray	513312	Enterolert/Quanti-Tray	513313

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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 # **WO# : 35444669**
 Project Manager **PM: TGA** Due Date: **02/05/19**
 Client: **CLIENT: 36-MIDEMP**

Date and Initials of person:

Examining contents: _____

Label: _____

Deliver: _____

pH: _____

Thermometer Used: T-350 Date: 1/29/19 Time: 1555 Initials: [Signature]

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

Cooler #1 Temp. °C <u>5.3</u> (Visual) <u>0.0</u> (Correction Factor) <u>5.3</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: _____ 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	
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: _____