

August 23, 2018

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

RE: Project: SMP-Dade RQ-2015-08-20-55
Pace Project No.: 35412381

Dear Frances Moore:

Enclosed are the analytical results for sample(s) received by the laboratory on August 21, 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,
without the written consent of Pace Analytical Services, LLC.

CERTIFICATIONS

Project: SMP-Dade RQ-2015-08-20-55

Pace Project No.: 35412381

South Florida Certification IDs

3610 Park Central Blvd N, Pompano Beach, FL 33064

Florida Certification #: E86240

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

SAMPLE SUMMARY

Project: SMP-Dade RQ-2015-08-20-55

Pace Project No.: 35412381

Lab ID	Sample ID	Matrix	Date Collected	Date Received
35412381001	G4SECD06	Water	08/21/18 11:50	08/21/18 14:47
35412381002	G4SE0024	Water	08/21/18 12:20	08/21/18 14:47
35412381003	G4SEWC02	Water	08/21/18 12:50	08/21/18 14:47
35412381004	G4SE0023	Water	08/21/18 13:30	08/21/18 14:47
35412381005	DUPE-G4SE0024	Water	08/21/18 13:40	08/21/18 14:47

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

SAMPLE ANALYTE COUNT

Project: SMP-Dade RQ-2015-08-20-55

Pace Project No.: 35412381

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35412381001	G4SECD06	9223B/Quanti-Tray	STH	1	PASI-SF
35412381002	G4SE0024	Enterolert/Quanti-Tray	STH	1	PASI-SF
35412381003	G4SEWC02	Enterolert/Quanti-Tray	STH	1	PASI-SF
35412381004	G4SE0023	9223B/Quanti-Tray	STH	1	PASI-SF
35412381005	DUPE-G4SE0024	9223B/Quanti-Tray	STH	1	PASI-SF

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: SMP-Dade RQ-2015-08-20-55

Pace Project No.: 35412381

Sample: G4SECD06		Lab ID: 35412381001		Collected: 08/21/18 11:50		Received: 08/21/18 14:47		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	323	MPN/100mL	10.0	10.0	10	08/21/18 16:27	08/22/18 11:52		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: SMP-Dade RQ-2015-08-20-55

Pace Project No.: 35412381

Sample: G4SE0024		Lab ID: 35412381002		Collected: 08/21/18 12:20		Received: 08/21/18 14:47		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	08/21/18 16:27	08/22/18 16:50		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: SMP-Dade RQ-2015-08-20-55

Pace Project No.: 35412381

Sample: G4SEWC02		Lab ID: 35412381003		Collected: 08/21/18 12:50		Received: 08/21/18 14:47		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	1480	MPN/100mL	10.0	10.0	10	08/21/18 16:27	08/22/18 16:50		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: SMP-Dade RQ-2015-08-20-55

Pace Project No.: 35412381

Sample: G4SE0023		Lab ID: 35412381004		Collected: 08/21/18 13:30		Received: 08/21/18 14:47		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	134	MPN/100mL	10.0	10.0	10	08/21/18 16:27	08/22/18 11:52		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: SMP-Dade RQ-2015-08-20-55

Pace Project No.: 35412381

Sample: DUPE-G4SE0024		Lab ID: 35412381005		Collected: 08/21/18 13:40		Received: 08/21/18 14:47		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	120	MPN/100mL	10.0	10.0	10	08/21/18 16:27	08/22/18 11:52		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: SMP-Dade RQ-2015-08-20-55

Pace Project No.: 35412381

QC Batch:	471308	Analysis Method:	9223B/Quanti-Tray
QC Batch Method:	9223B/Quanti-Tray	Analysis Description:	Colilert MPN
Associated Lab Samples:	35412381001, 35412381004, 35412381005		

METHOD BLANK: 2547799 Matrix: Water

Associated Lab Samples: 35412381001, 35412381004, 35412381005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
E.coli	MPN/100mL	1.0 U	1.0	1.0	08/22/18 11:52	

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.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: SMP-Dade RQ-2015-08-20-55

Pace Project No.: 35412381

QC Batch:	471680	Analysis Method:	Enterolert/Quanti-Tray
QC Batch Method:	Enterolert/Quanti-Tray	Analysis Description:	Enterolert MPN
Associated Lab Samples:	35412381002, 35412381003		

METHOD BLANK: 2550082 Matrix: Water

Associated Lab Samples: 35412381002, 35412381003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Enterococci	MPN/100mL	1.0 U	1.0	1.0	08/22/18 16:50	

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.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALIFIERS

Project: SMP-Dade RQ-2015-08-20-55

Pace Project No.: 35412381

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

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: SMP-Dade RQ-2015-08-20-55

Pace Project No.: 35412381

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35412381001	G4SECD06	9223B/Quanti-Tray	471308	9223B/Quanti-Tray	471309
35412381004	G4SE0023	9223B/Quanti-Tray	471308	9223B/Quanti-Tray	471309
35412381005	DUPE-G4SE0024	9223B/Quanti-Tray	471308	9223B/Quanti-Tray	471309
35412381002	G4SE0024	Enterolert/Quanti-Tray	471680	Enterolert/Quanti-Tray	471682
35412381003	G4SEWC02	Enterolert/Quanti-Tray	471680	Enterolert/Quanti-Tray	471682

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.



35412381

Auril. Wood - McGrath
@ dep. state. fl.us

CHAIN-OF-CUSTODY / Analytical Request Document

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

8/21/2018

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: 850-245-8193

Report To:
Copy To:
Purchase Order #: B374A0
Project Name: SMP-DADE
Project #: RQ-2018-08-20-55

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

Requested Analysis Filtered (Y/N)

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								Analyses Test 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																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	

WO#: 35412381



35412381

ADDITIONAL COMMENTS

RELINQUISHED BY / AFFILIATION

DATE

TIME

ACCEPTED BY / AFFILIATION

DATE

TIME

SAMPLE CONDITIONS

JS FDEP

8/21

14:23

Theresa LaCorte

8/21/18

14:47

5.6

4

N

9

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 Revised: May 30, 2018
	Document No.: F-FL-C-007 rev. 13	Issuing Authority: Pace Florida Quality Office

WO#: 35412381 (SCUR)

Project #
Project Manager:
Client:

PM: JSB
CLIENT: DEFBUR
Due Date: 08/30/18

Date and Initials of person:
Examining contents: 08/21/18
Label:
Deliver: N/A
pH:

Thermometer Used: T-330 Date: 08/21/18 Time: 1450 Initials: JB

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

Cooler #1 Temp. $^{\circ}\text{C}$ 5.6 (Visual) +10.0 (Correction Factor) 5.6 (Actual)	☐ Samples on ice, cooling process has begun
Cooler #2 Temp. $^{\circ}\text{C}$ (Visual) (Correction Factor) (Actual)	☐ Samples on ice, cooling process has begun
Cooler #3 Temp. $^{\circ}\text{C}$ (Visual) (Correction Factor) (Actual)	☐ Samples on ice, cooling process has begun
Cooler #4 Temp. $^{\circ}\text{C}$ (Visual) (Correction Factor) (Actual)	☐ Samples on ice, cooling process has begun
Cooler #5 Temp. $^{\circ}\text{C}$ (Visual) (Correction Factor) (Actual)	☐ Samples on ice, cooling process has begun
Cooler #6 Temp. $^{\circ}\text{C}$ (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 PLASTIC BAG

Samples shorted to lab (If Yes, complete) Shorted Date: 08/21/18 Shorted Time: 1450 Qty: 5

Comments:

Chain of Custody Present	☒ Yes ☐ No ☐ N/A	SAMPLER INFO SECT'N OF COC INCOMPLETE LOVIN'Q SIGNATURE INITIALS PRESENT (NO SIGNATURE)*
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): * & NO SAMPLER NAME INDICATED JB 08/21/18

Project Manager Review: Date: