

February 22, 2019

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

RE: Project: SMP-NORTH MIAMI
Pace Project No.: 35448200

Dear Frances Moore:

Enclosed are the analytical results for sample(s) received by the laboratory on February 14, 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.

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-NORTH MIAMI

Pace Project No.: 35448200

South Florida Certification IDs

3610 Park Central Blvd N, Pompano Beach, FL 33064

Florida Certification #: E86240

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SAMPLE SUMMARY

Project: SMP-NORTH MIAMI

Pace Project No.: 35448200

Lab ID	Sample ID	Matrix	Date Collected	Date Received
35448200001	G4SE0027	Water	02/14/19 10:45	02/14/19 16:45
35448200002	G4SE0099	Water	02/14/19 11:30	02/14/19 16:45
35448200003	G4SE00119	Water	02/14/19 14:05	02/14/19 16:45

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SAMPLE ANALYTE COUNT

Project: SMP-NORTH MIAMI

Pace Project No.: 35448200

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35448200001	G4SE0027	Enterolert/Quanti-Tray	RBF	1	PASI-SF
35448200002	G4SE0099	Enterolert/Quanti-Tray	RBF	1	PASI-SF
35448200003	G4SE00119	Enterolert/Quanti-Tray	RBF	1	PASI-SF

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ANALYTICAL RESULTS

Project: SMP-NORTH MIAMI

Pace Project No.: 35448200

Sample: G4SE0027		Lab ID: 35448200001		Collected: 02/14/19 10:45		Received: 02/14/19 16:45		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	30.1	MPN/100mL	1.0	1.0	1	02/14/19 18:10	02/15/19 18:47		

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ANALYTICAL RESULTS

Project: SMP-NORTH MIAMI

Pace Project No.: 35448200

Sample: G4SE0099		Lab ID: 35448200002		Collected: 02/14/19 11:30		Received: 02/14/19 16:45		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	28.1	MPN/100mL	1.0	1.0	1	02/14/19 18:10	02/15/19 18:47		

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ANALYTICAL RESULTS

Project: SMP-NORTH MIAMI

Pace Project No.: 35448200

Sample: G4SE00119		Lab ID: 35448200003		Collected: 02/14/19 14:05		Received: 02/14/19 16:45		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	>2419.8	MPN/100mL	1.0	1.0	1	02/14/19 18:10	02/15/19 18:47		1p

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QUALITY CONTROL DATA

Project: SMP-NORTH MIAMI

Pace Project No.: 35448200

QC Batch: 517886 Analysis Method: Enterolert/Quanti-Tray

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

Associated Lab Samples: 35448200001, 35448200002, 35448200003

METHOD BLANK: 2797181 Matrix: Water

Associated Lab Samples: 35448200001, 35448200002, 35448200003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Enterococci	MPN/100mL	1.0 U	1.0	1.0	02/15/19 18:47	

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-NORTH MIAMI

Pace Project No.: 35448200

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.

1p The reported value should be considered a minimum estimate since it is the maximum reportable number for this method based on the sample volume used. The true value would be greater than this number.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: SMP-NORTH MIAMI

Pace Project No.: 35448200

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35448200001	G4SE0027	Enterolert/Quanti-Tray	517886	Enterolert/Quanti-Tray	517889
35448200002	G4SE0099	Enterolert/Quanti-Tray	517886	Enterolert/Quanti-Tray	517889
35448200003	G4SE00119	Enterolert/Quanti-Tray	517886	Enterolert/Quanti-Tray	517889

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CHAIN OF CUSTODY RECORD
WO#: 35448200



35448200

Page ___ of ___

Container Type Codes

AV Amber Vial ES Encore Sampler
CV Clear Vial PPV Prepreserved vial
P Plastic PL C Plastic container
AL Amber Litter PL J Plastic Jar
CL Clear Litter Z Ziploc bag
AP Amber Plastic TB Tedlar bag
AG Amber Glass WP Whirl pak
SJ Soil Jar G Gallon Jug
Other TC Terra-core

PPV Prepreserved vial
Size(s): 2oz, 4oz, 8oz, 16oz, 32oz or 1L, other
40ml 500ml 250ml 125 ml
Example: 4ozP = 4oz Plastic, 8ozSJ = 8oz Soil Jar

Matrix Codes

SD Solid Waste OL Oil
GW Ground Water SL Sludge
EFF Effluent SO Soil Sediment
AFW Analyte Free H2O AQ Aqueous
WW Waste Water NA Nonaqueous
DW Drinking Water PE Petroleum
SW Surface Water O Other
ML Misc. Liquid (Please specify)

Preservative Type Codes

A. None E. HCL I. Ice
B. HNO3 F. MeOH J. MCAA
C. H2SO4 G. Na2S2O3 K. Zn Acetate
D. NaOH H. NaHSO4 O. Other

REMARKS

Company Name: F DEP PO#
Address: 2199 Sully Rock Rd
City: Fort Pierce State: FL Zip: 34945
Attn: Fax#
email: Phone: 772-448-5833
Project Name: SMP - North Miami Proj #
Sampler Signature: [Signature] Circle One Event: Daily Weekly Monthly
Quarterly Semi-Annual Annual N/A

LAB ANALYSIS

Sample	TRC	pH	Pres Codes	Parameters	Example 6010 Diss. Lead
				E. Coli	Enterococcus

Sample #	Sample ID	Collect Date	Collect Time	Matrix Code*	Field Filtered	Integrity OK(Y/N)	Total # of containers	# of Containers Size/Type
1	G4SE0027	2/14	1045	SW			1	1 16ozP
2	G4SE0099	2/14	1130	SW			1	
3	G4SE00119	2/14	1405	SW			1	
4								
5								
6								
7								
8								
9								
10								

Item	Relinquished by	Affiliation	Date	Time	Received by	Affiliation	Date	Time
1	ND	PDLP	2/14	1645	[Signature]	ND	02/14/19	1645
2								
3								
4								

Lab Use Only	YES	NO	N/A
Non-Conformance Found?			
Samples INTACT upon arrival?			
Received on Wet Ice?			
Proper Preservatives Indicated?			
Received within holding time?			
Custody seals Intact?			
Volatiles rec'd without headspace?			
Proper Containers Used?			



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#: 35448200

UR)

Project #
Project Manager:
Client:

PM: JSB
CLIENT: DEPBUR

Due Date: 02/25/19

Date and Initials of person:
Examining contents: 02/14/19
Label:
Deliver:
pH: N/A

Thermometer Used: T-330 Date: 02/14/19 Time: 1645 Initials: JS

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

Cooler #1 Temp. $^{\circ}\text{C}$ 7.7 (Visual) +0.0 (Correction Factor) 7.7 (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

Samples shorted to lab (If Yes, complete) Shorted Date: 02/14/19 Shorted Time: 1650 Qty: 3

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: