

February 05, 2019

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

RE: Project: SMP-PLANTATION 2019-01-28-62
Pace Project No.: 35444854

Dear Frances Moore:

Enclosed are the analytical results for sample(s) received by the laboratory on January 30, 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-PLANTATION 2019-01-28-62

Pace Project No.: 35444854

South Florida Certification IDs

3610 Park Central Blvd N, Pompano Beach, FL 33064

Florida Certification #: E86240

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SAMPLE SUMMARY

Project: SMP-PLANTATION 2019-01-28-62

Pace Project No.: 35444854

Lab ID	Sample ID	Matrix	Date Collected	Date Received
35444854001	G4SENNR3	Water	01/30/19 11:10	01/30/19 14:25
35444854002	G4SE0114	Water	01/30/19 12:30	01/30/19 14:25
35444854003	G4SE0057	Water	01/30/19 12:45	01/30/19 14:25
35444854004	G4SE0107	Water	01/30/19 13:15	01/30/19 14:25
35444854005	G4SE0126	Water	01/30/19 13:40	01/30/19 14:25
35444854006	G4SE0128	Water	01/30/19 13:50	01/30/19 14:25

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SAMPLE ANALYTE COUNT

Project: SMP-PLANTATION 2019-01-28-62

Pace Project No.: 35444854

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35444854001	G4SENNR3	9223B/Quanti-Tray	RBF	1	PASI-SF
35444854002	G4SE0114	9223B/Quanti-Tray	RBF	1	PASI-SF
35444854003	G4SE0057	9223B/Quanti-Tray	RBF	1	PASI-SF
35444854004	G4SE0107	9223B/Quanti-Tray	RBF	1	PASI-SF
35444854005	G4SE0126	9223B/Quanti-Tray	RBF	1	PASI-SF
35444854006	G4SE0128	9223B/Quanti-Tray	RBF	1	PASI-SF

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ANALYTICAL RESULTS

Project: SMP-PLANTATION 2019-01-28-62

Pace Project No.: 35444854

Sample: G4SENNR3		Lab ID: 35444854001		Collected: 01/30/19 11:10		Received: 01/30/19 14:25		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	85.0	MPN/100mL	10.0	10.0	10	01/30/19 18:30	01/31/19 14:38		

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ANALYTICAL RESULTS

Project: SMP-PLANTATION 2019-01-28-62

Pace Project No.: 35444854

Sample: G4SE0114		Lab ID: 35444854002		Collected: 01/30/19 12:30		Received: 01/30/19 14:25		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	75.0	MPN/100mL	10.0	10.0	10	01/30/19 18:30	01/31/19 14:38		

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ANALYTICAL RESULTS

Project: SMP-PLANTATION 2019-01-28-62

Pace Project No.: 35444854

Sample: G4SE0057		Lab ID: 35444854003		Collected: 01/30/19 12:45		Received: 01/30/19 14:25		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	96.0	MPN/100mL	10.0	10.0	10	01/30/19 18:30	01/31/19 14:38		

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ANALYTICAL RESULTS

Project: SMP-PLANTATION 2019-01-28-62

Pace Project No.: 35444854

Sample: G4SE0107		Lab ID: 35444854004		Collected: 01/30/19 13:15		Received: 01/30/19 14:25		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	98.0	MPN/100mL	10.0	10.0	10	01/30/19 18:30	01/31/19 14:38		

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ANALYTICAL RESULTS

Project: SMP-PLANTATION 2019-01-28-62

Pace Project No.: 35444854

Sample: G4SE0126		Lab ID: 35444854005		Collected: 01/30/19 13:40		Received: 01/30/19 14:25		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	377	MPN/100mL	10.0	10.0	10	01/30/19 18:30	01/31/19 14:38		

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ANALYTICAL RESULTS

Project: SMP-PLANTATION 2019-01-28-62

Pace Project No.: 35444854

Sample: G4SE0128		Lab ID: 35444854006		Collected: 01/30/19 13:50		Received: 01/30/19 14:25		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	327	MPN/100mL	10.0	10.0	10	01/30/19 18:30	01/31/19 14:38		

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QUALITY CONTROL DATA

Project: SMP-PLANTATION 2019-01-28-62

Pace Project No.: 35444854

QC Batch:	513288	Analysis Method:	9223B/Quanti-Tray
QC Batch Method:	9223B/Quanti-Tray	Analysis Description:	Colilert MPN
Associated Lab Samples:	35444854001, 35444854002, 35444854003, 35444854004, 35444854005, 35444854006		

METHOD BLANK:	2771060	Matrix:	Water
Associated Lab Samples:	35444854001, 35444854002, 35444854003, 35444854004, 35444854005, 35444854006		

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
E.coli	MPN/100mL	1.0 U	1.0	1.0	01/31/19 14:38	

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-PLANTATION 2019-01-28-62

Pace Project No.: 35444854

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-PLANTATION 2019-01-28-62

Pace Project No.: 35444854

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35444854001	G4SENNR3	9223B/Quanti-Tray	513288	9223B/Quanti-Tray	513292
35444854002	G4SE0114	9223B/Quanti-Tray	513288	9223B/Quanti-Tray	513292
35444854003	G4SE0057	9223B/Quanti-Tray	513288	9223B/Quanti-Tray	513292
35444854004	G4SE0107	9223B/Quanti-Tray	513288	9223B/Quanti-Tray	513292
35444854005	G4SE0126	9223B/Quanti-Tray	513288	9223B/Quanti-Tray	513292
35444854006	G4SE0128	9223B/Quanti-Tray	513288	9223B/Quanti-Tray	513292

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35444854

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

Page 14 of 15

Section B

Section C

Required Project Information:

Invoice Information:

Page : 1 Of 1

Report To:

Attention:

Copy To:

Company Name:	
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Address:

Purchase Order #:	R374A0
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Pace Quote:

Project Name: Swamp - Observation

Pace Project Manager: jeff.baylor@pacelabs.com

Project #:	2019-01-28-62
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Pace Profile #:	10742
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Regulatory Agency

State / Location

[illegible]

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
	Alexander Miranda	1/30/19	14:25	[Signature]	1/30/19	1425	11-9 Y N Y

SAMPLER NAME AND SIGNATURE		TEMP in C	Received on date (Y/N)	Custody Sealed Cooler (Y/N)	Samples intact (Y/N)
PRINT Name of SAMPLER: Alexander Miranda					
SIGNATURE of SAMPLER: 	DATE Signed: 1/30/19				

(SECUR)

Project #

Project Manager:

Client:

WO#: 35444854

PM: JSB Due Date: 02/08/19

CLIENT: DEPBUR

Date and Initials of person: 01/30/19

Examining contents: _____

Label: _____

Deliver: _____

pH: M/A

Thermometer Used T-330 Date 01/30/19 Time 1725 Initials J

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

Cooler #1 Temp. °C <u>11.9</u> (Visual) <u>10.0</u> (Correction Factor) <u>11.9</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

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 01/30/19 Shorted Time 1725 Qty 6

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: Date/Time: _____

Person Contacted _____

Comments/ Resolution (use back for additional comments): _____
