Pace Analytical Services, LLC
8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

September 18, 2018

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

RE: Project: SMP RQ-2018-09-10-17
Pace Project No.: 35416644

Dear Frances Moore:
Enclosed are the analytical results for sample(s) received by the laboratory on September 11, 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
jeff.baylor@pacelabs.com
(386)672-5668
Project Manager

Enclosures

Pace Analytical Services, LLC
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CERTIFICATIONS

Project: SMP RQ-2018-09-10-17
Pace Project No.: 35416644

Tampa Certification IDs

110 South Bayview Blvd., Tampa, FL 34677 — Florida Certification #:E84129

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SAMPLE SUMMARY

Project: SMP RQ-2018-09-10-17
Pace Project No.: 35416644

Lab ID	Sample ID	Matrix	Date Collected	Date Received
35416644001	**G1SW0099**	Water	09/11/18 10:05	09/11/18 13:11
35416644002	**G1SW0100**	Water	09/11/18 10:50	09/11/18 13:11
35416644003	**G5SW0134**	Water	09/11/18 11:30	09/11/18 13:11
35416644004	**G5SW0130**	Water	09/11/18 12:10	09/11/18 13:11

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SAMPLE ANALYTE COUNT

Project: SMP RQ-2018-09-10-17
Pace Project No.: 35416644

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35416644001	**G1SW0099**	SM 9222D	HG1	1	PASI-Tp
		Enterolert/Quanti-Tray	HG1	1	PASI-Tp
35416644002	**G1SW0100**	SM 9222D	HG1	1	PASI-Tp
		9223B/Quanti-Tray	HG1	1	PASI-Tp
35416644003	**G5SW0134**	9223B/Quanti-Tray	HG1	1	PASI-Tp
35416644004	**G5SW0130**	9223B/Quanti-Tray	HG1	1	PASI-Tp

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: SMP RQ-2018-09-10-17
Pace Project No.: 35416644

Sample: G1SW0099 **Lab ID: 35416644001** Collected: 09/11/18 10:05 Received: 09/11/18 13:11 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9222D Fecal Coliform Tampa	Analytical Method: SM 9222D Preparation Method: SM 9222D								
Fecal Coliforms	**13.0**	CFU/100 mL	1.0	1.0	1	09/11/18 15:16	09/12/18 14:20		B
Enterolert/Quanti-Tray	Analytical Method: Enterolert/Quanti-Tray Preparation Method: Enterolert/Quanti-Tray								
Enterococci	**1350**	MPN/100mL	10.0	10.0	10	09/11/18 14:35	09/12/18 14:47		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: SMP RQ-2018-09-10-17
Pace Project No.: 35416644

Sample: G1SW0100 **Lab ID: 35416644002** Collected: 09/11/18 10:50 Received: 09/11/18 13:11 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9222D Fecal Coliform Tampa	Analytical Method: SM 9222D Preparation Method: SM 9222D								
Fecal Coliforms	**100**	CFU/100 mL	1.0	1.0	1	09/11/18 15:16	09/12/18 14:20		B
Colilert/Quanti-Tray MPN	Analytical Method: 9223B/Quanti-Tray Preparation Method: 9223B/Quanti-Tray								
E.coli	**460**	MPN/100mL	10.0	10.0	10	09/11/18 14:54	09/12/18 10:06		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: SMP RQ-2018-09-10-17
Pace Project No.: 35416644

Sample: G5SW0134 **Lab ID: 35416644003** Collected: 09/11/18 11:30 Received: 09/11/18 13:11 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	**465**	MPN/100mL	10.0	10.0	10	09/11/18 14:54	09/12/18 10:06		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: SMP RQ-2018-09-10-17
Pace Project No.: 35416644

Sample: G5SW0130 **Lab ID: 35416644004** Collected: 09/11/18 12:10 Received: 09/11/18 13:11 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	**228**	MPN/100mL	10.0	10.0	10	09/11/18 14:54	09/12/18 10:06		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: SMP RQ-2018-09-10-17
Pace Project No.: 35416644

QC Batch: 476863
QC Batch Method: SM 9222D
Analysis Method: SM 9222D
Analysis Description: 9222D MBIO Fecal Coliform Tampa
Associated Lab Samples: 35416644001, 35416644002

METHOD BLANK: 2582546
Matrix: Water
Associated Lab Samples: 35416644001, 35416644002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Fecal Coliforms	CFU/100 mL	1.0 U	1.0	1.0	09/12/18 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: SMP RQ-2018-09-10-17
Pace Project No.: 35416644

QC Batch: 476699 Analysis Method: 9223B/Quanti-Tray
QC Batch Method: 9223B/Quanti-Tray Analysis Description: Colilert MPN
Associated Lab Samples: 35416644002, 35416644003, 35416644004

METHOD BLANK: 2581855 Matrix: Water
Associated Lab Samples: 35416644002, 35416644003, 35416644004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
E.coli	MPN/100mL	<1	1.0	1.0	09/12/18 10:06	

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: SMP RQ-2018-09-10-17
Pace Project No.: 35416644

QC Batch: 476858
QC Batch Method: Enterolert/Quanti-Tray
Analysis Method: Enterolert/Quanti-Tray
Analysis Description: Enterolert MPN
Associated Lab Samples: 35416644001

METHOD BLANK: 2582507
Matrix: Water
Associated Lab Samples: 35416644001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Enterococci	MPN/100mL	<1	1.0	1.0	09/12/18 14:47	

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.

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: SMP RQ-2018-09-10-17
Pace Project No.: 35416644

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-Tp	Pace Analytical Services - Tampa

ANALYTE QUALIFIERS

U	Compound was analyzed for but not detected.
B	Results based upon colony counts outside the acceptable range.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: SMP RQ-2018-09-10-17
Pace Project No.: 35416644

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35416644001	**G1SW0099**	SM 9222D	476863	SM 9222D	476866
35416644002	**G1SW0100**	SM 9222D	476863	SM 9222D	476866
35416644002	**G1SW0100**	9223B/Quanti-Tray	476699	9223B/Quanti-Tray	476700
35416644003	**G5SW0134**	9223B/Quanti-Tray	476699	9223B/Quanti-Tray	476700
35416644004	**G5SW0130**	9223B/Quanti-Tray	476699	9223B/Quanti-Tray	476700
35416644001	**G1SW0099**	Enterolert/Quanti-Tray	476858	Enterolert/Quanti-Tray	476860

WO# : 35416644

35416644

Pace Analytica
www.pacelabs.com

N-OF-CUSTODY / Analytical Request Document

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

Page: 1 of 2

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: FDEP	Report To:	Attention:
Address: 13051 N. Telecom Pkwy	Copy To:	Company Name:
Temple Terrace , FL 33637		Address:
Email To: DEP-Overflowmicro	Purchase Order No.: B374A0	Pace Quote Reference:
Phone: 813-470-5772 Contact: Judy Ashton	Project Name: SMP	Pace Project Manager: Jeff Baylor
Requested Due Date/TAT:	RQ-2018- 09-10-17	Pace Profile #: 10742

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☑ OTHER Surface Water

Site Location STATE: FLORIDA

ITEM #	Section D Required Client Information SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	Valid Matrix Codes MATRIX / CODE: WATER WT, FRESH F, MARINE M	MATRIX CODE WT	SAMPLE TYPE = GRAB	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT TIME OF COLLECTION	# OF CONTAINERS	Preservatives ICE	Na2S03	Other	Analysis Test Y/N	Requested Analysis Filtered (Y/N) E.COLI	ENTERO	FECAL	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
	Field ID/WIN G1SW0099 Site Name: Snug Harbor- TP428				9/	1005		1	✓					1	1		
	Field ID/WIN G1SW0100 Site Name: Pinellas Pt. Basin V TP455				11/	1050		1	✓				1		1		
	Field ID/WIN G5SW0134 Site Name: PP Ditch#1 @ 71st St.				18	1130		1	✓				1				

ADDITIONAL COMMENTS	RELINQUISHED BY/AFFILIATION	DATE	TIME	ACCEPTED BY/AFFILIATION	DATE	TIME	T203	VOA
	Ben Pierce	9/11/18	1337	MMCLEAN/PACE	9/11/18	1339	1.3	N A Y

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:					
SIGNATURE of SAMPLER:	DATE Signed (MM/DD/YY):				

F-ALL-Q-020rev.08, 12-Oct-2007

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

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CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 2 of 2

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: FDEP	Report To:	Attention:
Address: 13051 N. Telecom Pkwy	Copy To:	Company Name:
Temple Terrace , FL 33637		Address:
Email To: DEP-Overflowmicro	Purchase Order No.: B374A0	Pace Quote Reference:
Phone: 813-470-5772 Contact: Judy Ashton	Project Name: SMP	Pace Project Manager: Jeff Baylor
Requested Due Date/TAT:	RQ-2018- 09-10-17	Pace Profile #: 10742

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☑ OTHER Surface Water

Site Location STATE: FLORIDA

Valid Matrix Codes: MATRIX / CODE — WATER WT; FRESH F; MARINE M

ITEM #	Section D Required Client Information: SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE WT	SAMPLE TYPE = GRAB	COLLECTED DATE	COLLECTED TIME	SAMPLE TEMP AT TIME OF COLLECTION	# OF CONTAINERS	Preservatives ICE	Preservatives Na2S03	Preservatives Other	Requested Analysis Filtered (Y/N) Analysis Test Y/N	E.COLI	ENTERO	FECAL	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	Field ID/WIN G5SW0130 Site Name: McKay Creek Tidal off Hickory			9/11/2018	1210		1	✓				1				
2																
3																

ADDITIONAL COMMENTS	RELINQUISHED BY/AFFILIATION	DATE	TIME	ACCEPTED BY/AFFILIATION	DATE	TIME		
	DEP	9/11/18	1339	M McKelvey / PACE	9/11/18	1339	TEMP 1.3	RECEIVED ON ICE (Y/N) N/A
							CUSTODY SEALED COOLER (Y/N) N/A	SAMPLES INTACT (Y/N) Y

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER:

SIGNATURE of SAMPLER: DATE Signed (MM/DD/YY):

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

F-ALL-Q-020rev.08, 12-Oct-2007

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

Pace Analytical Florida Laboratory	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

Sample Condition Upon Receipt Form (SCUR)

Project # WO#: 35416644

Project Manager: PM: JSB **Due Date:** 09/20/18

Client: CLIENT: DEPBUR

Date and Initials of person:
Examining contents: MJM
Label:
Deliver:
pH: N/A

Thermometer Used: T-203 Date: 9-11-18 Time: 1339 Initials: MJM

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

Cooler #1 Temp.°C	1.3 (Visual)	0.0 (Correction Factor)	1.3 (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	No collection date.
Relinquished Signature & Sampler Name COC	☑ Yes ☐ No ☐ N/A	Collection date on
Samples Arrived within Hold Time	☑ Yes ☐ No ☐ N/A	Samples Say 9/11/18
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: Exceptions: VOA, Coliform, TOC, O&G, Carbamates	☐ Yes ☐ No ☑ N/A	
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: