

October 24, 2018

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

RE: Project: SMP RQ-2018-10-22-03
Pace Project No.: 35425543

Dear Frances Moore:

Enclosed are the analytical results for sample(s) received by the laboratory on October 22, 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,
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CERTIFICATIONS

Project: SMP RQ-2018-10-22-03

Pace Project No.: 35425543

Tampa Certification IDs

110 South Bayview Blvd., Tampa, FL 34677

Florida Certification #:E84129

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SAMPLE SUMMARY

Project: SMP RQ-2018-10-22-03

Pace Project No.: 35425543

Lab ID	Sample ID	Matrix	Date Collected	Date Received
35425543001	G1SW0099	Water	10/22/18 10:07	10/22/18 12:10
35425543002	G5SW0130	Water	10/22/18 11:30	10/22/18 12:10
35425543003	G5SW0134	Water	10/22/18 11:00	10/22/18 12:10
35425543004	G1SW0099	Water	10/22/18 10:10	10/22/18 12:10

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SAMPLE ANALYTE COUNT

Project: SMP RQ-2018-10-22-03

Pace Project No.: 35425543

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35425543001	G1SW0099	9223B/Quanti-Tray	HG1	1	PASI-Tp
		Enterolert/Quanti-Tray	HG1	1	PASI-Tp
35425543002	G5SW0130	Enterolert/Quanti-Tray	HG1	1	PASI-Tp
35425543003	G5SW0134	Enterolert/Quanti-Tray	HG1	1	PASI-Tp
35425543004	G1SW0099	9223B/Quanti-Tray	HG1	1	PASI-Tp
		Enterolert/Quanti-Tray	HG1	1	PASI-Tp

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ANALYTICAL RESULTS

Project: SMP RQ-2018-10-22-03

Pace Project No.: 35425543

Sample: G1SW0099		Lab ID: 35425543001		Collected: 10/22/18 10:07		Received: 10/22/18 12:10		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	107	MPN/100mL	10.0	10.0	10	10/22/18 15:44	10/23/18 10:03		
Enterolert/Quanti-Tray									
		Analytical Method: Enterolert/Quanti-Tray Preparation Method: Enterolert/Quanti-Tray							
Enterococci	10.0	MPN/100mL	10.0	10.0	10	10/22/18 13:29	10/23/18 13:32		

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ANALYTICAL RESULTS

Project: SMP RQ-2018-10-22-03

Pace Project No.: 35425543

Sample: G5SW0130		Lab ID: 35425543002		Collected: 10/22/18 11:30		Received: 10/22/18 12:10		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	173	MPN/100mL	10.0	10.0	10	10/22/18 13:29	10/23/18 13:32		

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ANALYTICAL RESULTS

Project: SMP RQ-2018-10-22-03

Pace Project No.: 35425543

Sample: G5SW0134		Lab ID: 35425543003		Collected: 10/22/18 11:00		Received: 10/22/18 12:10		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	10/22/18 13:29	10/23/18 13:32		

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ANALYTICAL RESULTS

Project: SMP RQ-2018-10-22-03

Pace Project No.: 35425543

Sample: G1SW0099		Lab ID: 35425543004		Collected: 10/22/18 10:10		Received: 10/22/18 12:10		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	62.0	MPN/100mL	10.0	10.0	10	10/22/18 15:44	10/23/18 10:03		
Enterolert/Quanti-Tray									
		Analytical Method: Enterolert/Quanti-Tray Preparation Method: Enterolert/Quanti-Tray							
Enterococci	10.0	MPN/100mL	10.0	10.0	10	10/22/18 13:29	10/23/18 13:32		

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QUALITY CONTROL DATA

Project: SMP RQ-2018-10-22-03

Pace Project No.: 35425543

QC Batch: 487633

Analysis Method: 9223B/Quanti-Tray

QC Batch Method: 9223B/Quanti-Tray

Analysis Description: Colilert MPN

Associated Lab Samples: 35425543001, 35425543004

METHOD BLANK: 2638241

Matrix: Water

Associated Lab Samples: 35425543001, 35425543004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
E.coli	MPN/100mL	<1	1.0	1.0	10/23/18 10:03	

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-2018-10-22-03

Pace Project No.: 35425543

QC Batch: 487727 Analysis Method: Enterolert/Quanti-Tray

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

Associated Lab Samples: 35425543001, 35425543002, 35425543003, 35425543004

METHOD BLANK: 2638668

Matrix: Water

Associated Lab Samples: 35425543001, 35425543002, 35425543003, 35425543004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Enterococci	MPN/100mL	<1	1.0	1.0	10/23/18 13:32	

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 RQ-2018-10-22-03

Pace Project No.: 35425543

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.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: SMP RQ-2018-10-22-03

Pace Project No.: 35425543

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35425543001	G1SW0099	9223B/Quanti-Tray	487633	9223B/Quanti-Tray	487634
35425543004	G1SW0099	9223B/Quanti-Tray	487633	9223B/Quanti-Tray	487634
35425543001	G1SW0099	Enterolert/Quanti-Tray	487727	Enterolert/Quanti-Tray	487728
35425543002	G5SW0130	Enterolert/Quanti-Tray	487727	Enterolert/Quanti-Tray	487728
35425543003	G5SW0134	Enterolert/Quanti-Tray	487727	Enterolert/Quanti-Tray	487728
35425543004	G1SW0099	Enterolert/Quanti-Tray	487727	Enterolert/Quanti-Tray	487728

REPORT OF LABORATORY ANALYSIS

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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.

WO#: 35425543



35425543

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:		Page: 1 of 2	
Company: FDEP		Report To:		Attention:			
Address: 13051 N. Telecom Pkwy		Copy To:		Company Name:		REGULATORY AGENCY	
Temple Terrace, FL 33637				Address:		☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER	
Email To: DEP-Overflowmicro		Purchase Order No.: B374A0		Pace Quote Reference:		☐ UST ☐ RCRA ☒ OTHER Surface Water	
Phone: 813-470-5772		Project Name: SMP		Pace Project Manager: Jeff Baylor		Site Location	
Requested Due Date/TAT:		RQ-2018-10-22-03		Pace Profile #: 10742		STATE: FLORIDA	

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE	WATER WT FRESH F MARINE M	MATRIX CODE WT	SAMPLE TYPE = GRAB	COLLECTED		# OF CONTAINERS	Preservatives				Analysis Test Y/N	Requested Analysis Filtered (Y/N)					Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.	
						DATE	TIME		ICE	Na2S03	Other	E. COLI		ENTERO	FECAL						
	Field ID/WIN G1SW0099 					10/22/18	1007 26.7	2	✓												
	Site Name: Snug Harbor- TP428																				
	Field ID/WIN G1SW0100 																				
	Site Name: Pinellas Pt. Basin V TP455																				
	Field ID/WIN G5SW0130 					10/22/18	1130 29.2	1	✓												
	Site Name: McKay Creek Tidal off Hickory																				
ADDITIONAL COMMENTS		RELINQUISHED BY/AFFILIATION		DATE		TIME		ACCEPTED BY/AFFILIATION		DATE		TIME		T203							
		S Meyer FDEP		10/22/18		1210		M. Meyer		10/22/18		1210 4.9		Y		N		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: Sarah Meyer																					
SIGNATURE of SAMPLER: Sarah Meyer														DATE Signed (MM/DD/YY): 10/22/18							

*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.

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



CHAIN-OF-CUSTODY / Analytical Request Document

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Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:		Page: 2 of 2	
Company: FDEP		Report To:		Attention:		REGULATORY AGENCY	
Address: 13051 N. Telecom Pkwy		Copy To:		Company Name:			
Temple Terrace, FL 33637				Address:		☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER	
Email To: DEP-Overflowmicro		Purchase Order No.: B374A0		Pace Quote Reference:		☐ UST ☐ RCRA ☒ OTHER Surface Water	
Phone: 813-470-5772		Contact: Judy Ashton		Project Name: SMP		Site Location	
Requested Due Date/TAT:		RQ-2018-10-22-03		Pace Project Manager: Jeff Baylor		STATE: FLORIDA	
				Pace Profile #: 10742			

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE WATER WT FRESH F MARINE M	MATRIX CODE WT	SAMPLE TYPE = GRAB	COLLECTED		# OF CONTAINERS	Preservatives			Analysis Test Y/N	Requested Analysis Filtered (Y/N)				Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
					DATE	TIME		ICE	Na2SO3	Other		E.COLI	ENTERO	FECAL			
2	Field ID/WIN	G5SW0134			10/22/18	1100	26.7	1	✓								
	Site Name:	PP Ditch#1 @ 71st St.															
	Field ID:	G1SW0099			10/22/18	1010	26.7	2	✓		✓	✓					
	Location:	Snug Harbor TP428_DUP															
	WIN ID:	G1SW0099															
ADDITIONAL COMMENTS					RELINQUISHED BY/AFFILIATION		DATE	TIME	ACCEPTED BY/AFFILIATION		DATE	TIME					
					S Meyer FDEP		10/22/18	1210	NMC/PAE		10/22/18	1210 4.9					

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: Sarah Meyer					
SIGNATURE of SAMPLER: Sarah Meyer					
DATE Signed (MM/DD/YY): 10/22/18					

*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.



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

Sample Condition Upon Receipt Form (SCUR)

Project # **WO# : 35425543**
Project Manager: PM: JSB Due Date: 10/31/18
Client: CLIENT: DEPBUR

Date and Initials of person:

Examining contents: WJM

Label: 10-22-18

Deliver: N/A

pH: 2

Thermometer Used: T-203

Date: 10-22-18

Time: 1210

Initials: WJM

State of Origin: FL

☐ For WV projects, all containers verified to $\leq 6^{\circ}\text{C}$

Cooler #1 Temp. $^{\circ}\text{C}$ 4.9 (Visual) 0.0 (Correction Factor) 4.9 (Actual)

Cooler #2 Temp. $^{\circ}\text{C}$ (Visual) (Correction Factor) (Actual)

Cooler #3 Temp. $^{\circ}\text{C}$ (Visual) (Correction Factor) (Actual)

Cooler #4 Temp. $^{\circ}\text{C}$ (Visual) (Correction Factor) (Actual)

Cooler #5 Temp. $^{\circ}\text{C}$ (Visual) (Correction Factor) (Actual)

Cooler #6 Temp. $^{\circ}\text{C}$ (Visual) (Correction Factor) (Actual)

☒ Samples on ice, cooling process has begun

☐ Samples on ice, cooling process has begun

☐ Samples on ice, cooling process has begun

☐ Samples on ice, cooling process has begun

☐ Samples on ice, cooling process has begun

☐ 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	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): _____