

February 01, 2019

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

RE: Project: SMP-DAVIE
Pace Project No.: 35443775

Dear Frances Moore:

Enclosed are the analytical results for sample(s) received by the laboratory on January 23, 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-DAVIE

Pace Project No.: 35443775

South Florida Certification IDs

3610 Park Central Blvd N, Pompano Beach, FL 33064

Florida Certification #: E86240

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SAMPLE SUMMARY

Project: SMP-DAVIE

Pace Project No.: 35443775

Lab ID	Sample ID	Matrix	Date Collected	Date Received
35443775001	G4SE0116	Water	01/23/19 12:20	01/23/19 15:10
35443775002	G4SE0049	Water	01/23/19 12:45	01/23/19 15:10
35443775003	G4SE0115	Water	01/23/19 13:20	01/23/19 15:10
35443775004	G4SE0109	Water	01/23/19 13:50	01/23/19 15:10
35443775005	G4SE0122	Water	01/23/19 14:15	01/23/19 15:10
35443775006	G4SE0110	Water	01/23/19 14:30	01/23/19 15:10

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SAMPLE ANALYTE COUNT

Project: SMP-DAVIE

Pace Project No.: 35443775

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35443775001	G4SE0116	9223B/Quanti-Tray	RBF	1	PASI-SF
35443775002	G4SE0049	9223B/Quanti-Tray	RBF	1	PASI-SF
35443775003	G4SE0115	9223B/Quanti-Tray	RBF	1	PASI-SF
35443775004	G4SE0109	9223B/Quanti-Tray	RBF	1	PASI-SF
35443775005	G4SE0122	9223B/Quanti-Tray	RBF	1	PASI-SF
35443775006	G4SE0110	9223B/Quanti-Tray	RBF	1	PASI-SF

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ANALYTICAL RESULTS

Project: SMP-DAVIE

Pace Project No.: 35443775

Sample: G4SE0116		Lab ID: 35443775001		Collected: 01/23/19 12:20		Received: 01/23/19 15:10		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	20.0	MPN/100mL	10.0	10.0	10	01/23/19 15:46	01/24/19 13:30		

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ANALYTICAL RESULTS

Project: SMP-DAVIE

Pace Project No.: 35443775

Sample: G4SE0049		Lab ID: 35443775002		Collected: 01/23/19 12:45		Received: 01/23/19 15:10		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	295	MPN/100mL	10.0	10.0	10	01/23/19 15:46	01/24/19 13:30		

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ANALYTICAL RESULTS

Project: SMP-DAVIE

Pace Project No.: 35443775

Sample: G4SE0115		Lab ID: 35443775003		Collected: 01/23/19 13:20		Received: 01/23/19 15:10		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	20.0	MPN/100mL	10.0	10.0	10	01/23/19 15:46	01/24/19 13:30		

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ANALYTICAL RESULTS

Project: SMP-DAVIE

Pace Project No.: 35443775

Sample: G4SE0109		Lab ID: 35443775004		Collected: 01/23/19 13:50		Received: 01/23/19 15:10		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	75.0	MPN/100mL	10.0	10.0	10	01/23/19 15:46	01/24/19 13:30		

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ANALYTICAL RESULTS

Project: SMP-DAVIE

Pace Project No.: 35443775

Sample: G4SE0122		Lab ID: 35443775005		Collected: 01/23/19 14:15	Received: 01/23/19 15:10	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	299	MPN/100mL	10.0	10.0	10	01/23/19 15:46	01/24/19 13:30		

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ANALYTICAL RESULTS

Project: SMP-DAVIE

Pace Project No.: 35443775

Sample: G4SE0110		Lab ID: 35443775006		Collected: 01/23/19 14:30		Received: 01/23/19 15:10		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	218	MPN/100mL	10.0	10.0	10	01/23/19 15:46	01/24/19 13:30		

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QUALITY CONTROL DATA

Project: SMP-DAVIE

Pace Project No.: 35443775

QC Batch:	512532	Analysis Method:	9223B/Quanti-Tray
QC Batch Method:	9223B/Quanti-Tray	Analysis Description:	Colilert MPN
Associated Lab Samples:	35443775001, 35443775002, 35443775003, 35443775004, 35443775005, 35443775006		

METHOD BLANK:	2767205	Matrix:	Water
Associated Lab Samples:	35443775001, 35443775002, 35443775003, 35443775004, 35443775005, 35443775006		

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
E.coli	MPN/100mL	1.0 U	1.0	1.0	01/24/19 13:30	

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-DAVIE
Pace Project No.: 35443775

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.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: SMP-DAVIE

Pace Project No.: 35443775

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35443775001	G4SE0116	9223B/Quanti-Tray	512532	9223B/Quanti-Tray	512533
35443775002	G4SE0049	9223B/Quanti-Tray	512532	9223B/Quanti-Tray	512533
35443775003	G4SE0115	9223B/Quanti-Tray	512532	9223B/Quanti-Tray	512533
35443775004	G4SE0109	9223B/Quanti-Tray	512532	9223B/Quanti-Tray	512533
35443775005	G4SE0122	9223B/Quanti-Tray	512532	9223B/Quanti-Tray	512533
35443775006	G4SE0110	9223B/Quanti-Tray	512532	9223B/Quanti-Tray	512533

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	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)

WO# : 35443775

Project #

Project Manager:

Client:

PM: JSB

Due Date: 02/01/19

CLIENT: DEPBUR

Date and Initials of person:

Examining contents: _____

Label: _____

Deliver: _____

pH: _____

Thermometer Used:

T-330

Date:

1/23/19

Time:

1510

Initials:

JHA

State of Origin:

Florida

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

Cooler #1 Temp. $^{\circ}\text{C}$ 4.8 (Visual) 0.0 (Correction Factor) 4.8 (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	
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: _____