

December 30, 2020

Paul Overby  
Dive-Tech International, Inc.  
6200 80th Ave. N  
Pinellas Park, FL 33780

RE: Project: Fecal Coliform  
Pace Project No.: 35600417

Dear Paul Overby:

Enclosed are the analytical results for sample(s) received by the laboratory on December 22, 2020. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Ormond Beach
- Pace Analytical Services - Tampa

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Chelsea Gagne  
chelsea.gagne@pacelabs.com  
813-855-1844  
Project Manager

Enclosures



## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
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## CERTIFICATIONS

Project: Fecal Coliform

Pace Project No.: 35600417

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### **Pace Analytical Services Ormond Beach**

8 East Tower Circle, Ormond Beach, FL 32174

Alaska DEC- CS/UST/LUST

Alabama Certification #: 41320

Arizona Certification# AZ0819

Colorado Certification: FL NELAC Reciprocity

Connecticut Certification #: PH-0216

Delaware Certification: FL NELAC Reciprocity

Florida Certification #: E83079

Georgia Certification #: 955

Guam Certification: FL NELAC Reciprocity

Hawaii Certification: FL NELAC Reciprocity

Illinois Certification #: 200068

Indiana Certification: FL NELAC Reciprocity

Kansas Certification #: E-10383

Kentucky Certification #: 90050

Louisiana Certification #: FL NELAC Reciprocity

Louisiana Environmental Certificate #: 05007

Maryland Certification: #346

Michigan Certification #: 9911

Mississippi Certification: FL NELAC Reciprocity

Missouri Certification #: 236

Montana Certification #: Cert 0074

Nebraska Certification: NE-OS-28-14

New Hampshire Certification #: 2958

New Jersey Certification #: FL022

New York Certification #: 11608

North Carolina Environmental Certificate #: 667

North Carolina Certification #: 12710

North Dakota Certification #: R-216

Ohio DEP 87780

Oklahoma Certification #: D9947

Pennsylvania Certification #: 68-00547

Puerto Rico Certification #: FL01264

South Carolina Certification: #96042001

Tennessee Certification #: TN02974

Texas Certification: FL NELAC Reciprocity

US Virgin Islands Certification: FL NELAC Reciprocity

Virginia Environmental Certification #: 460165

West Virginia Certification #: 9962C

Wisconsin Certification #: 399079670

Wyoming (EPA Region 8): FL NELAC Reciprocity

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### **Pace Analytical Services Tampa**

110 South Bayview Blvd., Tampa, FL 34677

Florida Certification #:E84129

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## REPORT OF LABORATORY ANALYSIS

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## SAMPLE SUMMARY

Project: Fecal Coliform

Pace Project No.: 35600417

Lab ID	Sample ID	Matrix	Date Collected	Date Received
35600417001	NORTH	Water	12/22/20 09:34	12/22/20 10:55
35600417002	MIDDLE	Water	12/22/20 09:44	12/22/20 10:55
35600417003	SOUTH	Water	12/22/20 09:54	12/22/20 10:55
35600417004	North	Solid	12/22/20 09:36	12/22/20 10:55
35600417005	Middle	Solid	12/22/20 09:46	12/22/20 10:55
35600417006	South	Solid	12/22/20 09:56	12/22/20 10:55

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## SAMPLE ANALYTE COUNT

Project: Fecal Coliform

Pace Project No.: 35600417

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35600417001	NORTH	SM 9222D	SR1	1	PASI-Tp
35600417002	MIDDLE	SM 9222D	SR1	1	PASI-Tp
35600417003	SOUTH	SM 9222D	SR1	1	PASI-Tp
35600417004	North	ASTM D2974-87	JM2	1	PASI-O
		SM 9221C/E	SR1	1	PASI-Tp
35600417005	Middle	ASTM D2974-87	JM2	1	PASI-O
		SM 9221C/E	SR1	1	PASI-Tp
35600417006	South	ASTM D2974-87	JM2	1	PASI-O
		SM 9221C/E	SR1	1	PASI-Tp

PASI-O = Pace Analytical Services - Ormond Beach

PASI-Tp = Pace Analytical Services - Tampa

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: Fecal Coliform  
Pace Project No.: 35600417

<b>Sample: NORTH</b>		<b>Lab ID: 35600417001</b>		Collected: 12/22/20 09:34		Received: 12/22/20 10:55		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>9222D Fecal Coliform Tampa</b> Analytical Method: SM 9222D Preparation Method: SM 9222D Pace Analytical Services - Tampa									
Fecal Coliforms	12.0	CFU/100 mL	1.0	1.0	1	12/22/20 16:18	12/23/20 14:30		

<b>Sample: MIDDLE</b>		<b>Lab ID: 35600417002</b>		Collected: 12/22/20 09:44		Received: 12/22/20 10:55		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>9222D Fecal Coliform Tampa</b> Analytical Method: SM 9222D Preparation Method: SM 9222D Pace Analytical Services - Tampa									
Fecal Coliforms	13.0	CFU/100 mL	1.0	1.0	1	12/22/20 16:18	12/23/20 14:30		

<b>Sample: SOUTH</b>		<b>Lab ID: 35600417003</b>		Collected: 12/22/20 09:54		Received: 12/22/20 10:55		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>9222D Fecal Coliform Tampa</b> Analytical Method: SM 9222D Preparation Method: SM 9222D Pace Analytical Services - Tampa									
Fecal Coliforms	12.0	CFU/100 mL	1.0	1.0	1	12/22/20 16:18	12/23/20 14:30		

Sample: North		Lab ID: 35600417004		Collected: 12/22/20 09:36		Received: 12/22/20 10:55		Matrix: Solid	
Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.									
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Ormond Beach								
Percent Moisture	54.1	%	0.10	0.10	1		12/28/20 14:20		
9221E Fecal Coliform,MPN SL,TP	Analytical Method: SM 9221C/E Preparation Method: SM 9221C/E Pace Analytical Services - Tampa								
Fecal Coliforms, MPN	ND	MPN/g	3.9	3.9	1	12/22/20 14:50	12/24/20 13:08		

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## ANALYTICAL RESULTS

Project: Fecal Coliform

Pace Project No.: 35600417

**Sample: Middle**      **Lab ID: 35600417005**      Collected: 12/22/20 09:46      Received: 12/22/20 10:55      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>Percent Moisture</b>									
Analytical Method: ASTM D2974-87 Pace Analytical Services - Ormond Beach									
Percent Moisture	<b>83.4</b>	%	0.10	0.10	1		12/28/20 14:20		
<b>9221E Fecal Coliform,MPN SL,TP</b>									
Analytical Method: SM 9221C/E      Preparation Method: SM 9221C/E Pace Analytical Services - Tampa									
Fecal Coliforms, MPN	ND	MPN/g	10.8	10.8	1	12/22/20 14:50	12/24/20 13:08		

**Sample: South**      **Lab ID: 35600417006**      Collected: 12/22/20 09:56      Received: 12/22/20 10:55      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>Percent Moisture</b>									
Analytical Method: ASTM D2974-87 Pace Analytical Services - Ormond Beach									
Percent Moisture	<b>75.9</b>	%	0.10	0.10	1		12/28/20 14:20		
<b>9221E Fecal Coliform,MPN SL,TP</b>									
Analytical Method: SM 9221C/E      Preparation Method: SM 9221C/E Pace Analytical Services - Tampa									
Fecal Coliforms, MPN	ND	MPN/g	7.5	7.5	1	12/22/20 14:50	12/24/20 13:08		

## REPORT OF LABORATORY ANALYSIS

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## QUALITY CONTROL DATA

Project: Fecal Coliform

Pace Project No.: 35600417

QC Batch: 692736

Analysis Method: ASTM D2974-87

QC Batch Method: ASTM D2974-87

Analysis Description: Dry Weight/Percent Moisture

Laboratory:

Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35600417004, 35600417005, 35600417006

SAMPLE DUPLICATE: 3770710

Parameter	Units	35600365001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	97.3	97.5	0	10	

SAMPLE DUPLICATE: 3770711

Parameter	Units	35600710001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	16.8	16.7	0	10	

SAMPLE DUPLICATE: 3770712

Parameter	Units	35600378018 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	5.3	5.2	3	10	

SAMPLE DUPLICATE: 3770713

Parameter	Units	35600803001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	5.5	5.7	4	10	

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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## QUALITY CONTROL DATA

Project: Fecal Coliform

Pace Project No.: 35600417

QC Batch: 692112

Analysis Method: SM 9222D

QC Batch Method: SM 9222D

Analysis Description: 9222D MBIO Fecal Coliform Tampa

Laboratory: Pace Analytical Services - Tampa

Associated Lab Samples: 35600417001, 35600417002, 35600417003

METHOD BLANK: 3768409

Matrix: Water

Associated Lab Samples: 35600417001, 35600417002, 35600417003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Fecal Coliforms	CFU/100 mL	ND	1.0	1.0	12/23/20 14:30	

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: Fecal Coliform

Pace Project No.: 35600417

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### 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.

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## QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Fecal Coliform

Pace Project No.: 35600417

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35600417004	North	ASTM D2974-87	692736		
35600417005	Middle	ASTM D2974-87	692736		
35600417006	South	ASTM D2974-87	692736		
35600417004	North	SM 9221C/E	692418	SM 9221C/E	692419
35600417005	Middle	SM 9221C/E	692418	SM 9221C/E	692419
35600417006	South	SM 9221C/E	692418	SM 9221C/E	692419
35600417001	NORTH	SM 9222D	692112	SM 9222D	692117
35600417002	MIDDLE	SM 9222D	692112	SM 9222D	692117
35600417003	SOUTH	SM 9222D	692112	SM 9222D	692117

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CHAIN-OF-CUSTODY / Analytical Request Doc  
The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be

WO#: 35600417

35600417

Section A

Required Client Information:

Company: Dive-Tech International, Inc.  
Address: 6200 80th Ave. N  
Pinellas Park, FL 33780  
Email: joverby@dive-tech.com  
Phone: NONE  
Fax: FAK  
Requested Due Date:

Section B

Required Project Information:

Report To: Paul Overby  
Copy To:  
Purchase Order #:  
Project Name: Fecal Coliform  
Project #:

Section C

Invoice Information:

Attention:  
Company Name:  
Address:  
Pace Quote: 00084938  
Pace Project Manager: chelsea.gagne@pacelabs.com,  
Pace Profile #: 15799-182

Regulatory Agency

State / Location: FL


ITEM #	SAMPLE ID One Character per box. (A-Z, 0-9 /, -) Sample IDs must be unique	MATRIX Drinking Water Water Waste Water Product Soil/Solid Oil Wipe Air Other Tissue	CODE DW WT WW P SL OL WP AR OT TS	MATRIX CODE (see valid codes to left)		SAMPLE TYPE (G=GRAB C=COMP)		COLLECTED		SAMPLE TEMP AT COLLECTION		Preservatives							Analyses Test		Residual Chlorine (Y/N)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
				DATE	TIME	DATE	TIME	START	END	# OF CONTAINERS	Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	9222D Fecal Coliform	9221E Fecal Coliform																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
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\* Sodium Phosphate

60°F water

SAMPLER NAME AND SIGNATURE: Kevin Austin  
PRINT Name of SAMPLER: Kevin Austin  
SIGNATURE of SAMPLER: [Signature]  
DATE Signed: 12/22/2020

TEMP in C: 3.8  
Received on Ice (Y/N): Y  
Custody Sealed Cooler (Y/N): N  
Samples Intact (Y/N): Y

	Document Name:	Document Revised:
	Sample Condition Upon Receipt Form	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# : 35600417**  
**Project Manager:** **PM: CLG** **Due Date: 12/30/20**  
**Client:** **CLIENT: 37-DIVTEC**

**Date and Initials of person:**  
**Examining contents:** EM  
**Label:** 12/22/20  
**Deliver:** N/A  
**pH:** N/A

**Thermometer Used:** T203 **Date:** 12/22/20 **Time:** 1055 **Initials:** mrc

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

Cooler #1 Temp. °C <u>3.8</u> (Visual) <u>-6</u> (Correction Factor) <u>3.8</u> (Actual)	<input checked="" type="checkbox"/> Samples on ice, cooling process has begun
Cooler #2 Temp. °C _____ (Visual) _____ (Correction Factor) _____ (Actual)	<input type="checkbox"/> Samples on ice, cooling process has begun
Cooler #3 Temp. °C _____ (Visual) _____ (Correction Factor) _____ (Actual)	<input type="checkbox"/> Samples on ice, cooling process has begun
Cooler #4 Temp. °C _____ (Visual) _____ (Correction Factor) _____ (Actual)	<input type="checkbox"/> Samples on ice, cooling process has begun
Cooler #5 Temp. °C _____ (Visual) _____ (Correction Factor) _____ (Actual)	<input type="checkbox"/> Samples on ice, cooling process has begun
Cooler #6 Temp. °C _____ (Visual) _____ (Correction Factor) _____ (Actual)	<input type="checkbox"/> 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	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<b>Preservation Information:</b> Preservative: _____ Lot #/Trace #: _____ Date: _____ Time: _____ Initials: _____
Chain of Custody Filled Out	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Relinquished Signature & Sampler Name COC	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Samples Arrived within Hold Time	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Rush TAT requested on COC	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Sufficient Volume	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Correct Containers Used	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Containers Intact	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Sample Labels match COC (sample IDs & date/time of collection)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
All containers needing acid/base preservation have been checked.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
All Containers needing preservation are found to be in compliance with EPA recommendation:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Exceptions: VOA, Coliform, TOC, O&G, Carbamates		
Headspace in VOA Vials? (>6mm):	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Trip Blank Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	

#### Client Notification/ Resolution:

**Person Contacted:** \_\_\_\_\_ **Date/Time:** \_\_\_\_\_

**Comments/ Resolution (use back for additional comments):** Client qnt Sample # on Sample, Samples 1, 2 & 3 are water and 3, 4, 5 & 6 are a Solid mrc 12/22/20

**Project Manager Review:** \_\_\_\_\_ **Date:** \_\_\_\_\_