

September 28, 2020

Bobby Purvis  
Daphne Utilities Wastewater Dept.  
29280 N. Main St  
Daphne, AL 36526

RE: Project: Bay Testing 9/25/2020  
Pace Project No.: 20172927

Dear Bobby Purvis:

Enclosed are the analytical results for sample(s) received by the laboratory on September 25, 2020. The results relate only to the samples included in this report.

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

- Pace Analytical Services - Mobile Labs

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

Sincerely,



Mary Kathryn Brenner  
marykathryn.brenner@pacelabs.com  
251-344-9106  
Project Manager

Enclosures

cc: Ashley Campbell, City of Daphne  
Johnny Grimes, Daphne Utilities

## **REPORT OF LABORATORY ANALYSIS**

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## CERTIFICATIONS

Project: Bay Testing 9/25/2020

Pace Project No.: 20172927

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**Pace Analytical Services Mobile**

4320 Midmost Drive, Mobile, AL 36609

Alabama Certification #: 40810

Florida Certification #: E87977

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## SAMPLE SUMMARY

Project: Bay Testing 9/25/2020  
Pace Project No.: 20172927

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Lab ID	Sample ID	Matrix	Date Collected	Date Received
20172927001	Bayfront Park	Water	09/25/20 08:12	09/25/20 09:30
20172927002	Lake Forest Yacht Club	Water	09/25/20 08:00	09/25/20 09:30
20172927003	Stedman's Landing	Water	09/25/20 08:30	09/25/20 09:30

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### SAMPLE ANALYTE COUNT

Project: Bay Testing 9/25/2020

Pace Project No.: 20172927

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<b>Lab ID</b>	<b>Sample ID</b>	<b>Method</b>	<b>Analysts</b>	<b>Analytes Reported</b>
20172927001	Bayfront Park	Enterolert/Quanti-Tray	PP1	1
20172927002	Lake Forest Yacht Club	Enterolert/Quanti-Tray	PP1	1
20172927003	Stedman's Landing	Enterolert/Quanti-Tray	PP1	1

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PASI-MO = Pace Analytical Services - Mobile Labs

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### ANALYTICAL RESULTS

Project: Bay Testing 9/25/2020  
Pace Project No.: 20172927

<b>Sample: Bayfront Park</b>		<b>Lab ID: 20172927001</b>	Collected: 09/25/20 08:12	Received: 09/25/20 09:30	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual

<b>MOB Enterolert/Quanti-Tray</b>		Analytical Method: Enterolert/Quanti-Tray Preparation Method: Enterolert/Quanti-Tray Pace Analytical Services - Mobile Labs						
Enterococci	<b>441</b>	MPN/100mL	10.0	10	09/25/20 15:00	09/26/20 15:00		N2

<b>Sample: Lake Forest Yacht Club</b>		<b>Lab ID: 20172927002</b>	Collected: 09/25/20 08:00	Received: 09/25/20 09:30	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual

<b>MOB Enterolert/Quanti-Tray</b>		Analytical Method: Enterolert/Quanti-Tray Preparation Method: Enterolert/Quanti-Tray Pace Analytical Services - Mobile Labs						
Enterococci	<b>73.0</b>	MPN/100mL	10.0	10	09/25/20 15:00	09/26/20 15:00		N2

<b>Sample: Stedman's Landing</b>		<b>Lab ID: 20172927003</b>	Collected: 09/25/20 08:30	Received: 09/25/20 09:30	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual

<b>MOB Enterolert/Quanti-Tray</b>		Analytical Method: Enterolert/Quanti-Tray Preparation Method: Enterolert/Quanti-Tray Pace Analytical Services - Mobile Labs						
Enterococci	<b>135</b>	MPN/100mL	10.0	10	09/25/20 15:00	09/26/20 15:00		N2

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### QUALITY CONTROL DATA

Project: Bay Testing 9/25/2020

Pace Project No.: 20172927

QC Batch:	201507	Analysis Method:	Enterolert/Quanti-Tray
QC Batch Method:	Enterolert/Quanti-Tray	Analysis Description:	MOB Enterolert/Quanti-Tray
		Laboratory:	Pace Analytical Services - Mobile Labs

Associated Lab Samples: 20172927001, 20172927002, 20172927003

METHOD BLANK: 938537 Matrix: Water

Associated Lab Samples: 20172927001, 20172927002, 20172927003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Enterococci	MPN/100mL	ND	1.0	09/26/20 15:00	N2

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: Bay Testing 9/25/2020

Pace Project No.: 20172927

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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

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

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.

### ANALYTE QUALIFIERS

N2 The lab does not hold NELAC/TNI accreditation for this parameter but other accreditations/certifications may apply. A complete list of accreditations/certifications is available upon request.

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**QUALITY CONTROL DATA CROSS REFERENCE TABLE**

Project: Bay Testing 9/25/2020  
Pace Project No.: 20172927

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
20172927001	Bayfront Park	Enterolert/Quanti-Tray	201507	Enterolert/Quanti-Tray	201624
20172927002	Lake Forest Yacht Club	Enterolert/Quanti-Tray	201507	Enterolert/Quanti-Tray	201624
20172927003	Stedman's Landing	Enterolert/Quanti-Tray	201507	Enterolert/Quanti-Tray	201624

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# CHAIN-OF-CUSTODY / Analytical Requirements

WO#: 20172927

**Section A**  
 Required Client Information:  
 Company: Daphne Utilities Wastewater Dept.  
 Address: P.O. Box 2550  
 Daphne, AL 36526  
 Phone: (251)380-8561 Fax:  
 Email: sharon@dapneutilities.com

**Section B**  
 Required Project Information:  
 Report To: Sharon Suma  
 Copy To:  
 Purchase Order #: Bay Sampling  
 Project Name: Bay Sampling  
 Project #:

**Section C**  
 Invoice Information:  
 Attention:  
 Company Name:  
 Address:  
 Pace Quote:  
 Pace Project Manager: marykathyn.brenner@pacelabs.com.  
 Pace Profile #: 9456  
 Regulatory Agency  
 State / Location  
 AL



ITEM #	MATRIX	CODE	COLLECTED		SAMPLE TYPE (G=GRAB C=COMP)	MATRIX CODE (see valid codes to left)	# OF CONTAINERS	Preservatives							Y/N	Anlyses Test	Entero DT	Requested Analysis Filtered (Y/N)	Residual Chlorine (Y/N)
			START DATE	START TIME				END DATE	END TIME	Unpreserved	H2SO4	HNO3	HCl	NaOH					
1	Bayfront Park	WT	9/25	0812		WT										X			
2	Lake Forest Yacht Club	WT	9/25	0800		WT										X			
3	Stedman's Landing	WT	9/25	0830		WT										X			
4																			
5																			
6																			
7																			
8																			
9																			
10																			
11																			
12																			

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
BP-10 Birals High Tide	Br...	9.25	0930	Lyle A. Williams	9/25/20	0930	1.8 Y N Y
LF-20 Birals							
SA - 10 Birals (detritus)							

SAMPLER NAME AND SIGNATURE  
 PRINT Name of SAMPLER: *Ben Jordan Deeman*



# Sample Condition Upon Receipt

4320 Midmost Dr Mobile, AL  
36609

## WO#: 20172927

PM: MKB Due Date: 10/06/20  
CLIENT: MO-Daphne

Project #:

Courier:  Pace  Client  FedEx  UPS  Other Tracking # \_\_\_\_\_

Custody Seal on Cooler/Box Present: [see COC] Custody Seals intact:  Yes  No

Thermometer Used:  Therm Fisher IR 001  
 Other:

Type of Ice: Wet Blue None

Samples on ice: [see COC]

Cooler Temperature: [see COC]

Date and Initials of person examining contents: 9/25/2020 KAL

Temp must be measured from temperature blank when present

Comments:

Temperature Blank Present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	1
Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2
Chain of Custody Complete:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4
Sampler Name on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5
Short Hold Time Analyses (<72 hr):	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	6
Rush Turn Around Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8
Sufficient Volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10
Filtered vol. Rec. for Diss. tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12
All containers received within manufacturer's precautionary and/or expiration dates:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13
All containers needing chemical preservation have been checked (except VOA, micro, & O&G):	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	14
All containers preservation checked found to be in compliance with EPA recommendation: <u>9/25 KAL</u>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	15
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	16
Trip Blank Present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	17

If No, was preservative added?  Yes  No  
If added record lot no.: HNO3 \_\_\_\_\_ H2SO4 \_\_\_\_\_

Client Notification/Resolution:

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

Comments/ Resolution: \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_