

September 26, 2019

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

RE: Project: Bay Testing  
Pace Project No.: 20122887

Dear Bobby Purvis:

Enclosed are the analytical results for sample(s) received by the laboratory on September 25, 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,



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

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

Project: Bay Testing  
Pace Project No.: 20122887

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### Mobile Certification IDs

4320 Midmost Drive, Mobile, AL 36609  
Alabama Certification #: 40810

Florida Certification #: E87977

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## SAMPLE SUMMARY

Project: Bay Testing

Pace Project No.: 20122887

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Lab ID	Sample ID	Matrix	Date Collected	Date Received
20122887001	Bayfront Park	Water	09/25/19 07:10	09/25/19 08:00
20122887002	Lake Forest Yacht Club	Water	09/25/19 06:55	09/25/19 08:00

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### SAMPLE ANALYTE COUNT

Project: Bay Testing

Pace Project No.: 20122887

Lab ID	Sample ID	Method	Analysts	Analytes Reported
20122887001	Bayfront Park	Enterolert/Quanti-Tray	JCW	1
20122887002	Lake Forest Yacht Club	Enterolert/Quanti-Tray	JCW	1

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## ANALYTICAL RESULTS

Project: Bay Testing

Pace Project No.: 20122887

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>Sample: Bayfront Park</b>								
<b>Lab ID: 20122887001</b>								
Collected: 09/25/19 07:10    Received: 09/25/19 08:00    Matrix: Water								
<b>MOB Enterolert/Quanti-Tray</b>								
Analytical Method: Enterolert/Quanti-Tray    Preparation Method: Enterolert/Quanti-Tray								
Enterococci	<b>73.0</b>	MPN/100mL	10.0	10	09/25/19 14:30	09/26/19 14:30		

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## ANALYTICAL RESULTS

Project: Bay Testing

Pace Project No.: 20122887

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>Sample: Lake Forest Yacht Club      Lab ID: 20122887002      Collected: 09/25/19 06:55      Received: 09/25/19 08:00      Matrix: Water</b>								
<b>MOB Enterolert/Quanti-Tray</b> Analytical Method: Enterolert/Quanti-Tray      Preparation Method: Enterolert/Quanti-Tray								
Enterococci	<b>41.0</b>	MPN/100mL	10.0	10	09/25/19 14:30	09/26/19 14:30		

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### QUALITY CONTROL DATA

Project: Bay Testing

Pace Project No.: 20122887

QC Batch: 158839

Analysis Method: Enterolert/Quanti-Tray

QC Batch Method: Enterolert/Quanti-Tray

Analysis Description: MOB Enterolert/Quanti-Tray

Associated Lab Samples: 20122887001, 20122887002

METHOD BLANK: 711948

Matrix: Water

Associated Lab Samples: 20122887001, 20122887002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Enterococci	MPN/100mL	ND	1.0	09/26/19 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: Bay Testing  
Pace Project No.: 20122887

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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.

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: Bay Testing

Pace Project No.: 20122887

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
20122887001	Bayfront Park	Enterolert/Quanti-Tray	158839	Enterolert/Quanti-Tray	158840
20122887002	Lake Forest Yacht Club	Enterolert/Quanti-Tray	158839	Enterolert/Quanti-Tray	158840

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

**NO# : 20122887**



20122887

**Section A** Required Client Information: **Section B** Required Project Information: **Section C** Invoice Information:

Company: Daphne Utilities Wastewater Dept  
 Address: P.O. Box 2550  
 Daphne, AL 36526  
 Email: sharon@daphneutilities.com  
 Project: 12511980-8561  
 Requested Due Date: \_\_\_\_\_

Report To: Sharon Surra  
 Copy To: \_\_\_\_\_  
 Purchase Order #: \_\_\_\_\_  
 Project Name: Bay Sampling  
 Project #: \_\_\_\_\_

Attention: \_\_\_\_\_  
 Company Name: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 Pace Quote: \_\_\_\_\_  
 Pace Project Manager: marykathryn.brenner@pacelabs.com  
 Pace Profile #: 9456

Requesting Agency: \_\_\_\_\_  
 State / Location: AL

ITEM #	SAMPLE ID One Character per box. (A-Z, 0-9 / . - ) Sample ids must be unique	MATRIX	CODE	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Analyses Test	Residual Chlorine (Y/N)	SAMPLE CONDITIONS
				START DATE	END DATE			Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol			
1	Bayfront Park	Drinking Water	WT	9/25/19	6710		Unpreserved										
2	Lane Forest Youth Club	Drinking Water	WT	9/25/19	6655												
3		Drinking Water	WT														
4		Drinking Water	WT														
5		Drinking Water	WT														
6		Drinking Water	WT														
7		Drinking Water	WT														
8		Drinking Water	WT														
9		Drinking Water	WT														
10		Drinking Water	WT														
11		Drinking Water	WT														
12		Drinking Water	WT														

ADDITIONAL COMMENTS: \_\_\_\_\_

RELINQUISHED BY / AFFILIATION: *Brendy Lynn Deaver* DATE: 9/25/19 TIME: 0800

ACCEPTED BY / AFFILIATION: *Kyle H. Williams* DATE: 9/25/19 TIME: 0800

TEMP in C: \_\_\_\_\_

Received on Ice (Y/N): \_\_\_\_\_

Custody Sealed Cooler (Y/N): \_\_\_\_\_

Samples Intact (Y/N): \_\_\_\_\_

**SAMPLER NAME AND SIGNATURE**

PRINT Name of SAMPLER: *Brendy Lynn Deaver*

SIGNATURE of SAMPLER: *[Signature]* DATE Signed: 9.25.19



**Sample Condition Upon Receipt**

4320 Midmost Dr. Mobile, AL 36609

Project #:

CLIENT: MO-Daphne

PM: MKB Due Date: 10/04/19

**MO#: 20122887**

Courier:  Pace  Client  FedEx  UPS  Other Tracking # \_\_\_\_\_  
 Custody Seal on Cooler/Box Present: [see COC]  Yes  No  
 Custody Seals Intact:  Yes  No

Thermometer  Therm Fisher IR 001  
 Used:  Other:

Type of Ice:  Wet  Blue  None  
 Samples on Ice: [see COC]

Date and Initials of person examining contents: 9/25/19 KAT

Cooler Temperature: [see COC]

Temp must be measured from temperature blank when present

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

Client Notification/Resolution: \_\_\_\_\_  
 Person Contacted: \_\_\_\_\_  
 Date/Time: \_\_\_\_\_  
 Comments/ Resolution: \_\_\_\_\_