

September 17, 2019

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

RE: Project: Bay Testing  
Pace Project No.: 20121665

Dear Bobby Purvis:

Enclosed are the analytical results for sample(s) received by the laboratory on September 16, 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

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## CERTIFICATIONS

Project: Bay Testing  
Pace Project No.: 20121665

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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.: 20121665

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Lab ID	Sample ID	Matrix	Date Collected	Date Received
20121665001	Bayfront Park	Water	09/16/19 09:40	09/16/19 11:25
20121665002	Lake Forest Yacht Club	Water	09/16/19 09:30	09/16/19 11:25
20121665003	Stedman's Landing	Water	09/16/19 10:00	09/16/19 11:25

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### SAMPLE ANALYTE COUNT

Project: Bay Testing

Pace Project No.: 20121665

Lab ID	Sample ID	Method	Analysts	Analytes Reported
20121665001	Bayfront Park	Enterolert/Quanti-Tray	JCW	1
20121665002	Lake Forest Yacht Club	Enterolert/Quanti-Tray	JCW	1
20121665003	Stedman's Landing	Enterolert/Quanti-Tray	JCW	1

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## ANALYTICAL RESULTS

Project: Bay Testing

Pace Project No.: 20121665

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>Sample: Bayfront Park</b>								
<b>Lab ID: 20121665001</b>								
Collected: 09/16/19 09:40    Received: 09/16/19 11:25    Matrix: Water								
<b>MOB Enterolert/Quanti-Tray</b>								
Analytical Method: Enterolert/Quanti-Tray    Preparation Method: Enterolert/Quanti-Tray								
Enterococci	ND	MPN/100mL	10.0	10	09/16/19 14:30	09/17/19 14:30		

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## ANALYTICAL RESULTS

Project: Bay Testing

Pace Project No.: 20121665

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>Sample: Lake Forest Yacht Club      Lab ID: 20121665002      Collected: 09/16/19 09:30      Received: 09/16/19 11:25      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	09/16/19 14:30	09/17/19 14:30		

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## ANALYTICAL RESULTS

Project: Bay Testing

Pace Project No.: 20121665

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>Sample: Stedman's Landing</b>								
<b>Lab ID: 20121665003</b>								
Collected: 09/16/19 10:00 Received: 09/16/19 11:25 Matrix: Water								
<b>MOB Enterolert/Quanti-Tray</b>								
Analytical Method: Enterolert/Quanti-Tray Preparation Method: Enterolert/Quanti-Tray								
Enterococci	<b>20.0</b>	MPN/100mL	10.0	10	09/16/19 14:30	09/17/19 14:30		

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**QUALITY CONTROL DATA**

Project: Bay Testing

Pace Project No.: 20121665

QC Batch: 157535 Analysis Method: Enterolert/Quanti-Tray

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

Associated Lab Samples: 20121665001, 20121665002, 20121665003

METHOD BLANK: 705373 Matrix: Water

Associated Lab Samples: 20121665001, 20121665002, 20121665003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Enterococci	MPN/100mL	ND	1.0	09/17/19 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.: 20121665

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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.: 20121665

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
20121665001	Bayfront Park	Enterolert/Quanti-Tray	157535	Enterolert/Quanti-Tray	157599
20121665002	Lake Forest Yacht Club	Enterolert/Quanti-Tray	157535	Enterolert/Quanti-Tray	157599
20121665003	Stedman's Landing	Enterolert/Quanti-Tray	157535	Enterolert/Quanti-Tray	157599

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CHAIN-OF-CUSTODY / Analytical Request  
The Chain-of-Custody is a LEGAL DOCUMENT All relevant for

WO#: 20121665



Section A  
Required Client Information:

Company: Daphne Utilities Wastewater Dept  
Address: P.O. Box 2550  
Daphne, AL 36526  
Phone: (251)380-8561  
Email: sharon@daphneutilities.com  
Requested Due Date:

Section B  
Required Project Information:

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

Section C  
Invoice Information:

Attention:  
Company Name:  
Address:  
Pace Project Manager: markathryn.bremer@dphutilities.com  
Pace Profile #: 9156

Regulatory Agency:

State / Location: AL

ITEM #	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Analyses Test	Y/N	Requested Analysis Filtered (Y/N)	Residual Chlorine (Y/N)
			START DATE TIME	END DATE TIME			Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol				
1	WT																
2	WT																
3	WT																
4																	
5																	
6																	
7																	
8																	
9																	
10																	
11																	
12																	

ADDITIONAL COMMENTS

RELINQUISHED BY / AFFILIATION

DATE

TIME

ACCEPTED BY / AFFILIATION

DATE

TIME

SAMPLE CONDITIONS

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER:

SIGNATURE of SAMPLER:

DATE Signed:

TEMPERATURE Received on Ice (Y/N) Custody (Y/N) Cooler (Y/N) Sample Integrity (Y/N)



4320 Midmost Dr Mobile, AL 36609

**Sample Condition Upon Receipt**

PM: MKB  
 CLIENT: MO-Daphne  
 Due Date: 09/25/19

**MO#: 20121665**

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

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

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: 7/16/19 KAL

Temp must be measured from temperature blank when present

Comments:

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

Client Notification/Resolution:

Person Contacted:

Date/Time:

Comments/Resolution: