

July 29, 2019

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

RE: Project: Bay Testing  
Pace Project No.: 20113648

Dear Bobby Purvis:

Enclosed are the analytical results for sample(s) received by the laboratory on July 22, 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.: 20113648

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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.: 20113648

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Lab ID	Sample ID	Matrix	Date Collected	Date Received
20113648001	Bayfront Park	Water	07/22/19 08:10	07/22/19 09:30
20113648002	Lake Forest Yacht Club	Water	07/22/19 07:54	07/22/19 09:30
20113648003	Stedman's Landing	Water	07/22/19 08:40	07/22/19 09:30

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### SAMPLE ANALYTE COUNT

Project: Bay Testing  
Pace Project No.: 20113648

Lab ID	Sample ID	Method	Analysts	Analytes Reported
20113648001	Bayfront Park	Enterolert/Quanti-Tray	RVJ	1
20113648002	Lake Forest Yacht Club	Enterolert/Quanti-Tray	RVJ	1
20113648003	Stedman's Landing	Enterolert/Quanti-Tray	RVJ	1

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## ANALYTICAL RESULTS

Project: Bay Testing

Pace Project No.: 20113648

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>Sample: Bayfront Park</b>								
<b>Lab ID: 20113648001</b>								
Collected: 07/22/19 08:10 Received: 07/22/19 09:30 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	07/22/19 09:56	07/23/19 09:56		1b

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## ANALYTICAL RESULTS

Project: Bay Testing

Pace Project No.: 20113648

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>Sample: Lake Forest Yacht Club      Lab ID: 20113648002      Collected: 07/22/19 07:54      Received: 07/22/19 09:30      Matrix: Water</b>								
<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	07/22/19 09:56	07/23/19 09:56		1b

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## ANALYTICAL RESULTS

Project: Bay Testing

Pace Project No.: 20113648

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>Sample: Stedman's Landing</b>								
<b>Lab ID: 20113648003</b>								
Collected: 07/22/19 08:40 Received: 07/22/19 09:30 Matrix: Water								
<b>MOB Enterolert/Quanti-Tray</b>								
Analytical Method: Enterolert/Quanti-Tray Preparation Method: Enterolert/Quanti-Tray								
Enterococci	<b>1990</b>	MPN/100mL	10.0	10	07/22/19 09:56	07/23/19 09:56		1b

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**QUALITY CONTROL DATA**

Project: Bay Testing

Pace Project No.: 20113648

QC Batch: 150279

Analysis Method: Enterolert/Quanti-Tray

QC Batch Method: Enterolert/Quanti-Tray

Analysis Description: MOB Enterolert/Quanti-Tray

Associated Lab Samples: 20113648001, 20113648002, 20113648003

METHOD BLANK: 667190

Matrix: Water

Associated Lab Samples: 20113648001, 20113648002, 20113648003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Enterococci	MPN/100mL	ND	1.0	07/23/19 09:56	1b

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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## QUALIFIERS

Project: Bay Testing  
Pace Project No.: 20113648

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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

### ANALYTE QUALIFIERS

1b Ending temp was below range in incubator. Temp was adjusted

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### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Bay Testing

Pace Project No.: 20113648

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
20113648001	Bayfront Park	Enterolert/Quanti-Tray	150279	Enterolert/Quanti-Tray	150398
20113648002	Lake Forest Yacht Club	Enterolert/Quanti-Tray	150279	Enterolert/Quanti-Tray	150398
20113648003	Stedman's Landing	Enterolert/Quanti-Tray	150279	Enterolert/Quanti-Tray	150398

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# CHAIN-OF-CUSTODY / Analytical Request Form

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed.

**WO# : 20113648**



**Section A**  
**Required Client Information:**  
 Company: Daphne Utilities Wastewater Dept.  
 Address: P.O. Box 2550  
 Daphne, AL 36526  
 Email: sharon@daphneutilities.com  
 Phone: (251)380-8561  
 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 Quote:  
 Pace Project Manager: marykathryn.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	Requested Analysis Filtered (Y/N)	Residual Chlorine (Y/N)
			START DATE TIME	END DATE TIME				Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other			
1	Drinking Water	DW	7.22.19	0810	WT													
2	Waste Water	WW	7.22.19	0754	WT													
3	Waste Water	WW	7.22.19	0846	WT													
4	Product	P																
5	Soil/Solid	SL																
6	Oil	OL																
7	Wipe	WP																
8	Air	AR																
9	Other	OT																
10	Tissue	TS																
11																		
12																		

**ADDITIONAL COMMENTS**

RELINQUISHED BY / AFFILIATION: *Brandy Sippow* DATE: 7.22.19 TIME: 0930

ACCEPTED BY / AFFILIATION: *Lyle A. Williams* DATE: 7.22.19 TIME: 0930

SAMPLE CONDITIONS: *0.6 Y N Y*

TEMP in C

Received on (Y/N)

Custody (Y/N)

Sealed Cooler (Y/N)

Samples (Y/N)

**SAMPLER NAME AND SIGNATURE**  
 PRINT Name of SAMPLER: *Brandy Sippow - Deamon*  
 SIGNATURE of SAMPLER: *Brandy Sippow* DATE Signed: 7.22.19



# Sample Condition Upon Receipt

4320 Midmost Dr Mobile AL  
36609

## WO#: 20113648

PM: MKB Due Date: 07/31/19

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]

Date and Initials of person examining contents: 7/22/19 KAL

Cooler Temperature: [see COC]

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: <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" 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

Client Notification/Resolution:

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

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

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

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