

August 19, 2020

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

RE: Project: Bay Sampling  
Pace Project No.: 20167519

Dear Bobby Purvis:

Enclosed are the analytical results for sample(s) received by the laboratory on August 17, 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**

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

Project: Bay Sampling  
Pace Project No.: 20167519

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**Pace Analytical Services Mobile**

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

Florida Certification #: E87977

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## REPORT OF LABORATORY ANALYSIS

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## SAMPLE SUMMARY

Project: Bay Sampling

Pace Project No.: 20167519

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Lab ID	Sample ID	Matrix	Date Collected	Date Received
20167519001	Bayfront Park	Water	08/17/20 10:40	08/17/20 13:09
20167519002	Lake Forest Yacht Club	Water	08/17/20 10:25	08/17/20 13:09
20167519003	Stedman's Landing	Water	08/17/20 11:25	08/17/20 13:09

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### SAMPLE ANALYTE COUNT

Project: Bay Sampling

Pace Project No.: 20167519

Lab ID	Sample ID	Method	Analysts	Analytes Reported
20167519001	Bayfront Park	Enterolert/Quanti-Tray	PP1	1
20167519002	Lake Forest Yacht Club	Enterolert/Quanti-Tray	PP1	1
20167519003	Stedman's Landing	Enterolert/Quanti-Tray	PP1	1

PASI-MO = Pace Analytical Services - Mobile Labs

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### ANALYTICAL RESULTS

Project: Bay Sampling

Pace Project No.: 20167519

<b>Sample: Bayfront Park</b>		<b>Lab ID: 20167519001</b>	Collected: 08/17/20 10:40	Received: 08/17/20 13:09	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>116</b>	MPN/100mL	10.0	10	08/17/20 13:40	08/18/20 13:40		N2

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## ANALYTICAL RESULTS

Project: Bay Sampling

Pace Project No.: 20167519

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>Sample: Lake Forest Yacht Club      Lab ID: 20167519002      Collected: 08/17/20 10:25      Received: 08/17/20 13:09      Matrix: Water</b>								
<b>MOB Enterolert/Quanti-Tray</b>								
Analytical Method: Enterolert/Quanti-Tray      Preparation Method: Enterolert/Quanti-Tray Pace Analytical Services - Mobile Labs								
Enterococci	<b>31.0</b>	MPN/100mL	10.0	10	08/17/20 13:40	08/18/20 13:40		N2

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### ANALYTICAL RESULTS

Project: Bay Sampling

Pace Project No.: 20167519

<b>Sample: Stedman's Landing</b>		<b>Lab ID: 20167519003</b>	Collected: 08/17/20 11:25	Received: 08/17/20 13:09	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>10.0</b>	MPN/100mL	10.0	10	08/17/20 13:40	08/18/20 13:40		N2

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### QUALITY CONTROL DATA

Project: Bay Sampling

Pace Project No.: 20167519

QC Batch: 196792

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: 20167519001, 20167519002, 20167519003

METHOD BLANK: 913335

Matrix: Water

Associated Lab Samples: 20167519001, 20167519002, 20167519003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Enterococci	MPN/100mL	ND	1.0	08/18/20 13:40	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 Sampling

Pace Project No.: 20167519

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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 Sampling

Pace Project No.: 20167519

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
20167519001	Bayfront Park	Enterolert/Quanti-Tray	196792	Enterolert/Quanti-Tray	196886
20167519002	Lake Forest Yacht Club	Enterolert/Quanti-Tray	196792	Enterolert/Quanti-Tray	196886
20167519003	Stedman's Landing	Enterolert/Quanti-Tray	196792	Enterolert/Quanti-Tray	196886

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**CHAIN-OF-CUSTODY / Analytical Reques**  
 The Chain-of-Custody is a LEGAL DOCUMENT. All relevant field

**MO# : 20167519**



20167519

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

Company: Daphne Utilities Wastewater Dept.	Report To: Sharon Surra	Attention:	Company Name:
Address: P.O. Box 2550	Copy To:	Address:	Pace Quote:
Daphne, AL 36526			Pace Project Manager: marykathryn.brenner@pacelabs.com
Email: sharon@daphneutilities.com	Purchase Order #:		Pace Profile #: 9456
Phone: (251)380-8561 Fax:	Project Name: Bay Sampling		
Requested Due Date:	Project #:		

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 Analyte Filtered (Y/N)	Residual Chlorine (Y/N)	State / Location
			START DATE	END DATE			Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol					
1	Bayfront Park	WT G	8-17-20	10:40											X			
2	Lake Forest Yacht Club	WT G	8-17-20	10:25											X			
3	Siedman's Landing	WT G	8-17-20	11:25											X			
4																		
5																		
6																		
7																		
8																		
9																		
10																		
11																		
12																		

Calm, sunny, very few birds  
 scattered birds, calm, sunny, 80°  
 calm, sunny, no wildlife

RELINQUISHED BY / AFFILIATION: *[Signature]*  
 DATE: 8-17-20 TIME: 13:09  
 ACCEPTED BY / AFFILIATION: *[Signature]*  
 DATE: 8-17-20 TIME: 13:09  
 SAMPLE CONDITIONS: Y N Y

**SAMPLER NAME AND SIGNATURE**

PRINT Name of SAMPLER: *[Signature]*  
 SIGNATURE of SAMPLER: *[Signature]*  
 DATE Signed: 8-17-20

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



4320 Midmost Dr Mobile AL 36609

### Sample Condition Upon Receipt

PM: MKB Due Date: 08/26/20  
 CLIENT: MO-Daphne

**MO#: 20167519**

Project #:

Courier:  Pace  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: NMS 8/17/20

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	If No, was preservative added? <input type="checkbox"/> Yes <input type="checkbox"/> No If added record lot no.: HNO3 _____ H2SO4 _____
16	Headspace in VOA Vials (>6mm): <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
17	Trip Blank Present: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	

Temp must be measured from temperature blank when present

Comments:

Client Notification/Resolution:

Person Contacted:

Date/Time

Comments/ Resolution: