Pace Analytical Services, LLC
4320 Midmost Dr
Mobile, AL 36609
251-344-9106

November 06, 2019

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

RE: Project: Bay Sampling
       Pace Project No.: 20128606

Dear Bobby Purvis:

Enclosed are the analytical results for sample(s) received by the laboratory on November 04, 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,

MK Brenner

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

Enclosures

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

REPORT OF LABORATORY ANALYSIS

CERTIFICATIONS

Project: Bay Sampling
Pace Project No.: 20128606

Mobile Certification IDs

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

Florida Certification #: E87977

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Page 2 of 12

SAMPLE SUMMARY

Project: Bay Sampling

Pace Project No.: 20128606

Lab ID	Sample ID	Matrix	Date Collected	Date Received
20128606001	Bayfront Park	Water	11/04/19 08:05	11/04/19 09:50
20128606002	Lake Forest Yacht Club	Water	11/04/19 07:52	11/04/19 09:50
20128606003	Stedman's Landing	Water	11/04/19 08:25	11/04/19 09:50

REPORT OF LABORATORY ANALYSIS

SAMPLE ANALYTE COUNT

Project: Bay Sampling
Pace Project No.:   20128606

Lab ID	Sample ID	Method	Analysts	Analytes Reported
20128606001	Bayfront Park	Enterolert/Quanti-Tray	PP1	1
20128606002	Lake Forest Yacht Club	Enterolert/Quanti-Tray	PP1	1
20128606003	Stedman's Landing	Enterolert/Quanti-Tray	PP1	1

REPORT OF LABORATORY ANALYSIS

ANALYTICAL RESULTS

Project: Bay Sampling
Pace Project No.: 20128606

Sample: Bayfront Park		**Lab ID: 20128606001**	Collected: 11/04/19 08:05	Received: 11/04/19 09:50	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
MOB Enterolert/Quanti-Tray		Analytical Method: Enterolert/Quanti-Tray		Preparation Method: Enterolert/Quanti-Tray				
Enterococci	ND	MPN/100mL	10.0	10	11/04/19 14:45	11/05/19 14:45		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Date: 11/06/2019 11:08 AM

Pace Analytical Services, LLC
4320 Midmost Dr
Mobile, AL 36609
251-344-9106

ANALYTICAL RESULTS

Project: Bay Sampling
Pace Project No.: 20128606

Sample: Lake Forest Yacht Club		Lab ID: 20128606002	Collected: 11/04/19 07:52	Received: 11/04/19 09:50	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual

MOB Enterolert/Quanti-Tray Analytical Method: Enterolert/Quanti-Tray Preparation Method: Enterolert/Quanti-Tray

| Enterococci | ND | MPN/100mL | 10.0 | 10 | 11/04/19 14:45 | 11/05/19 14:45 | | |

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Date: 11/06/2019 11:08 AM

ANALYTICAL RESULTS

Project: Bay Sampling
Pace Project No.: 20128606

Sample: Stedman's Landing **Lab ID: 20128606003** Collected: 11/04/19 08:25 Received: 11/04/19 09:50 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
MOB Enterolert/Quanti-Tray	Analytical Method: Enterolert/Quanti-Tray Preparation Method: Enterolert/Quanti-Tray							
Enterococci	**41.0**	MPN/100mL	10.0	10	11/04/19 14:45	11/05/19 14:45		

REPORT OF LABORATORY ANALYSIS

Date: 11/06/2019 11:08 AM

Pace Analytical®
www.pacelabs.com

QUALITY CONTROL DATA

Project:	Bay Sampling
Pace Project No.:	20128606

QC Batch:	163737	Analysis Method:	Enterolert/Quanti-Tray
QC Batch Method:	Enterolert/Quanti-Tray	Analysis Description:	MOB Enterolert/Quanti-Tray
Associated Lab Samples:	20128606001, 20128606002, 20128606003		

METHOD BLANK: 738463   Matrix: Water
Associated Lab Samples: 20128606001, 20128606002, 20128606003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Enterococci	MPN/100mL	ND	1.0	11/05/19 14:45	

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

Date: 11/06/2019 11:08 AM

Pace Analytical ®
www.pacelabs.com

QUALIFIERS

Project: Bay Sampling
Pace Project No.:   20128606

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical ®
www.pacelabs.com

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Bay Sampling
Pace Project No.:   20128606

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
20128606001	Bayfront Park	Enterolert/Quanti-Tray	163737	Enterolert/Quanti-Tray	163738
20128606002	Lake Forest Yacht Club	Enterolert/Quanti-Tray	163737	Enterolert/Quanti-Tray	163738
20128606003	Stedman's Landing	Enterolert/Quanti-Tray	163737	Enterolert/Quanti-Tray	163738

REPORT OF LABORATORY ANALYSIS

Pace Analytical

CHAIN-OF-CUSTODY / Analytical Request Docu

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

WO#: 20128606

20128606

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 Fax:
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

SAMPLE ID
One Character per box.
(A-Z, 0-9 , , -)
Sample Ids must be unique

MATRIX CODE
Drinking Water — DW
Water — WT
Waste Water — WW
Product — P
Soil/Solid — SL
Oil — OL
Air — AR
Wipe — WP
Other — OT
Tissue — TS

ITEM #	Sample ID	MATRIX CODE	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	TIME	COLLECTED END DATE	TIME	Entero QT	Residual Chlorine (Y/N)
1	Bayfront Park	WT				11-4-19	0805	X	
2	Lake Forest Yacht Club	WT				11-4-19	0752	X	
3	Stedman's Landing	WT				11-4-19	0825	X	
4									
5									
6									
7									
8									
9									
10									
11									
12									

Preservatives: Unpreserved, H2SO4, HNO3, HCl, NaOH, Na2S2O3, Methanol, Other

Analyses Test — Y/N — Entero QT

Requested Analysis Filtered (Y/N)

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
[signature]	11-4-19	0950	[signature]	11/4/19	9:50

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER:
SIGNATURE of SAMPLER: [signature]
DATE Signed: 11-4-19

ADDITIONAL COMMENTS

SAMPLE CONDITIONS

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

Pace Analytical

Sample Condition Upon Receipt

WO# : 2012860

PM: MKB **Due Date:** 11/13/19
CLIENT: MO-Daphne

Project #:

4320 Midmost Dr Mobile, AL 36609

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 (circled) Blue None   Samples on Ice: [see COC]

Date and Initials of person examining contents: MAS 11/4/19

Cooler Temperature [see COC]

Temp must be measured from temperature blank when present   Comments:

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

Line 15: If No, was preservative added? ☐Yes ☐No   If added record lot no.: HNO3 _____ H2SO4 _____

Client Notification/Resolution:

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____