

August 30, 2019

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

RE: Project: Bay Testing Resample
Pace Project No.: 20119000

Dear Bobby Purvis:

Enclosed are the analytical results for sample(s) received by the laboratory on August 28, 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 Resample

Pace Project No.: 20119000

Mobile Certification IDs

4320 Midmost Drive, Mobile, AL 36609

Alabama Certification #: 40810

Florida Certification #: E87977

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SAMPLE SUMMARY

Project: Bay Testing Resample

Pace Project No.: 20119000

Lab ID	Sample ID	Matrix	Date Collected	Date Received
20119000001	Bayfront Park	Water	08/28/19 08:15	08/28/19 10:25
20119000002	Stedman's Landing	Water	08/28/19 08:40	08/28/19 10:25

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SAMPLE ANALYTE COUNT

Project: Bay Testing Resample

Pace Project No.: 20119000

Lab ID	Sample ID	Method	Analysts	Analytes Reported
20119000001	Bayfront Park	Enterolert/Quanti-Tray	CMR	1
20119000002	Stedman's Landing	Enterolert/Quanti-Tray	CMR	1

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ANALYTICAL RESULTS

Project: Bay Testing Resample

Pace Project No.: 20119000

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Sample: Bayfront Park								
Lab ID: 2011900001								
Collected: 08/28/19 08:15 Received: 08/28/19 10:25 Matrix: Water								
MOB Enterolert/Quanti-Tray								
Analytical Method: Enterolert/Quanti-Tray Preparation Method: Enterolert/Quanti-Tray								
Enterococci	327	MPN/100mL	10.0	10	08/28/19 13:29	08/29/19 13:33		

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ANALYTICAL RESULTS

Project: Bay Testing Resample

Pace Project No.: 20119000

Sample: Stedman's Landing		Lab ID: 2011900002	Collected: 08/28/19 08:40	Received: 08/28/19 10:25	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	823	MPN/100mL	10.0	10	08/28/19 13:29	08/29/19 13:33		

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QUALITY CONTROL DATA

Project: Bay Testing Resample

Pace Project No.: 20119000

QC Batch: 155255

Analysis Method: Enterolert/Quanti-Tray

QC Batch Method: Enterolert/Quanti-Tray

Analysis Description: MOB Enterolert/Quanti-Tray

Associated Lab Samples: 20119000001, 20119000002

METHOD BLANK: 692628

Matrix: Water

Associated Lab Samples: 20119000001, 20119000002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Enterococci	MPN/100mL	ND	1.0	08/29/19 13:33	

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 Resample

Pace Project No.: 20119000

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 Resample

Pace Project No.: 20119000

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
20119000001	Bayfront Park	Enterolert/Quanti-Tray	155255	Enterolert/Quanti-Tray	155320
20119000002	Stedman's Landing	Enterolert/Quanti-Tray	155255	Enterolert/Quanti-Tray	155320

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

MO# : 20119000



20119000

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

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

ITEM #	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS							Analyses Test	Y/N	Requested Analysis Filtered (Y/N)	Residual Chlorine Y/N	
			START DATE	END DATE		Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol					Other
1	WT	WT	8-28-19	08:15													
2	WT	WT	8-28-19	08:40													
3	WT	WT															
4																	
5																	
6																	
7																	
8																	
9																	
10																	
11																	
12																	

SAMPLER NAME AND SIGNATURE
 PRINT Name of SAMPLER: Brandon Skypur Deason
 SIGNATURE of SAMPLER: [Signature] DATE Signed: 8-28-19

REMOVED BY / AFFILIATION [Signature] DATE 8-28-19 TIME 10:25

ACCEPTED BY / AFFILIATION Kyle A. Williams DATE 8/28/19 TIME 10:25

TEMP in C: _____

Received on Ice (Y/N): _____

Custody Stored Cooler (Y/N): _____

Sampled later (Y/N): _____

2 Men Hours
52 mileage



4320 Midmost Dr Mobile, AL 36609

Project #:

Sample Condition Upon Receipt

MO#: 20119000

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

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]

Date and Initials of person examining contents: 8/28/19 KAL

Cooler Temperature: [see COC]

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

Client Notification/Resolution:

Person Contacted:

Date/Time:

Comments/ Resolution: