

December 04, 2019

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

RE: Project: Bay Sampling
Pace Project No.: 20132360

Dear Bobby Purvis:

Enclosed are the analytical results for sample(s) received by the laboratory on December 02, 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 Sampling
Pace Project No.: 20132360

Pace Analytical Services Mobile

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

Florida Certification #: E87977

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SAMPLE SUMMARY

Project: Bay Sampling

Pace Project No.: 20132360

Lab ID	Sample ID	Matrix	Date Collected	Date Received
20132360001	Bayfront Park	Water	12/02/19 08:10	12/02/19 09:20
20132360002	Lake Forest Yacht Club	Water	12/02/19 08:00	12/02/19 09:20
20132360003	Stedman's Landing	Water	12/02/19 08:30	12/02/19 09:20

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SAMPLE ANALYTE COUNT

Project: Bay Sampling

Pace Project No.: 20132360

Lab ID	Sample ID	Method	Analysts	Analytes Reported
20132360001	Bayfront Park	Enterolert/Quanti-Tray	PP1	1
20132360002	Lake Forest Yacht Club	Enterolert/Quanti-Tray	PP1	1
20132360003	Stedman's Landing	Enterolert/Quanti-Tray	PP1	1

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ANALYTICAL RESULTS

Project: Bay Sampling

Pace Project No.: 20132360

Sample: Bayfront Park		Lab ID: 20132360001	Collected: 12/02/19 08:10	Received: 12/02/19 09:20	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	201	MPN/100mL	10.0	10	12/02/19 13:55	12/03/19 13:55		

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ANALYTICAL RESULTS

Project: Bay Sampling

Pace Project No.: 20132360

Sample: Lake Forest Yacht Club		Lab ID: 20132360002	Collected: 12/02/19 08:00	Received: 12/02/19 09:20	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	241	MPN/100mL	10.0	10	12/02/19 13:55	12/03/19 13:55		

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ANALYTICAL RESULTS

Project: Bay Sampling

Pace Project No.: 20132360

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Sample: Stedman's Landing								
Lab ID: 20132360003								
Collected: 12/02/19 08:30 Received: 12/02/19 09:20 Matrix: Water								
MOB Enterolert/Quanti-Tray								
Analytical Method: Enterolert/Quanti-Tray Preparation Method: Enterolert/Quanti-Tray								
Enterococci	259	MPN/100mL	10.0	10	12/02/19 13:55	12/03/19 13:55		

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QUALITY CONTROL DATA

Project: Bay Sampling

Pace Project No.: 20132360

QC Batch: 166945 Analysis Method: Enterolert/Quanti-Tray

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

Associated Lab Samples: 20132360001, 20132360002, 20132360003

METHOD BLANK: 755283 Matrix: Water

Associated Lab Samples: 20132360001, 20132360002, 20132360003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Enterococci	MPN/100mL	ND	1.0	12/03/19 13:55	

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.: 20132360

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 Sampling

Pace Project No.: 20132360

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
20132360001	Bayfront Park	Enterolert/Quanti-Tray	166945	Enterolert/Quanti-Tray	166949
20132360002	Lake Forest Yacht Club	Enterolert/Quanti-Tray	166945	Enterolert/Quanti-Tray	166949
20132360003	Stedman's Landing	Enterolert/Quanti-Tray	166945	Enterolert/Quanti-Tray	166949

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

WO#: 20132360



20132360

Regulatory Agency
AL

Section A	Section B	Section C
Required Client Information: Company: Daphne Utilities Wastewater Dept. Address: P.O. Box 2550 Daphne, AL 36526 Email: sharon@daphneutilities.com Phone: (251)380-9561 Fax: Requested Date Date:	Required Project Information: Report To: Sharon Surra Copy To: Purchase Order #: Project Name: Bay Sampling Project #:	Invoice Information: Attention: Company Name: Address: Pace Quote: Pace Project Manager: mankallryn.brenner@dacelabs.com, Pace Profile #: 9456
		Requested Analysis Filtered (Y/N) Residual Chlorine (Y/N) State / Location AL

ITEM #	SAMPLE ID One Character per box. (A-Z, 0-9 / -)	MATRIX Drinking Water Water Waste Water Product Soil/Solid OI W/ce Air Other Tissue	CODE DW WT WW P SL WIP AR OT TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Analyses Test	Requested Analysis Filtered (Y/N)	SAMPLE CONDITIONS														
						START DATE	END DATE			Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol			Other	Entero QT	TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)									
1	Bayfront Park			WT			12-19	0810																									
2	Lake Forest Yacht Club			WT			12-19	0800																									
3	Stedman's Landing			WT			12-19	0830																									
4																																	
5																																	
6																																	
7																																	
8																																	
9																																	
10																																	
11																																	
12																																	
ADDITIONAL COMMENTS						RECEIVED BY / AFFILIATION		DATE	TIME	ACCEPTED BY / AFFILIATION		DATE	TIME	SAMPLE CONDITIONS																			
						Brenda St. ...		12-19		JW STM		12-19	9:00 AM	Y Y Y Y																			

SAMPLER NAME AND SIGNATURE	
PRINT Name of SAMPLER:	DATE Signed:
SIGNATURE of SAMPLER:	



4320 Midmost Dr Mobile, AL 36609

Sample Condition Upon Receipt

Project #:

MO#: 20132360

PM: MKB
 CLIENT: MO-Daphne
 Due Date: 12/11/19

Courier: Pace Client FedEx UPS Other Tracking # _____
 Custody Seal on Cooler/Box Present: [see COC] Yes No
 Custody Seals intact Yes No

Thermometer Therm Fisher IR 001 Other

Type of Ice: Wet Blue None
 Samples on Ice: [see COC]

Date and Initials of person examining contents: MAS 12/12/19

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	<input type="checkbox"/> N/A

Client Notification/Resolution:

Person Contacted:

Date/Time:

Comments/ Resolution: