

June 17, 2019

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

RE: Project: Bay Sampling
Pace Project No.: 20107999

Dear Bobby Purvis:

Enclosed are the analytical results for sample(s) received by the laboratory on June 13, 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.: 20107999

Mobile Certification IDs

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

Florida Certification #: E87977

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SAMPLE SUMMARY

Project: Bay Sampling

Pace Project No.: 20107999

Lab ID	Sample ID	Matrix	Date Collected	Date Received
20107999001	Lake Forest Yacht Club	Water	06/13/19 08:30	06/13/19 09:00
20107999002	Stedman's Landing	Water	06/13/19 08:10	06/13/19 09:00

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SAMPLE ANALYTE COUNT

Project: Bay Sampling

Pace Project No.: 20107999

Lab ID	Sample ID	Method	Analysts	Analytes Reported
20107999001	Lake Forest Yacht Club	Enterolert/Quanti-Tray	CMR	1
20107999002	Stedman's Landing	Enterolert/Quanti-Tray	CMR	1

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ANALYTICAL RESULTS

Project: Bay Sampling

Pace Project No.: 20107999

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Sample: Lake Forest Yacht Club Lab ID: 20107999001 Collected: 06/13/19 08:30 Received: 06/13/19 09:00 Matrix: Water								
MOB Enterolert/Quanti-Tray Analytical Method: Enterolert/Quanti-Tray Preparation Method: Enterolert/Quanti-Tray								
Enterococci	110	MPN/100mL	10.0	10	06/13/19 09:31	06/14/19 09:31		

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ANALYTICAL RESULTS

Project: Bay Sampling

Pace Project No.: 20107999

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Sample: Stedman's Landing								
Lab ID: 20107999002								
Collected: 06/13/19 08:10 Received: 06/13/19 09:00 Matrix: Water								
MOB Enterolert/Quanti-Tray								
Analytical Method: Enterolert/Quanti-Tray Preparation Method: Enterolert/Quanti-Tray								
Enterococci	20.0	MPN/100mL	10.0	10	06/13/19 09:31	06/14/19 09:31		

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QUALITY CONTROL DATA

Project: Bay Sampling

Pace Project No.: 20107999

QC Batch: 145560

Analysis Method: Enterolert/Quanti-Tray

QC Batch Method: Enterolert/Quanti-Tray

Analysis Description: MOB Enterolert/Quanti-Tray

Associated Lab Samples: 20107999001, 20107999002

METHOD BLANK: 641239

Matrix: Water

Associated Lab Samples: 20107999001, 20107999002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Enterococci	MPN/100mL	ND	1.0	06/14/19 09:31	

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.: 20107999

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.: 20107999

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
20107999001	Lake Forest Yacht Club	Enterolert/Quanti-Tray	145560	Enterolert/Quanti-Tray	145723
20107999002	Stedman's Landing	Enterolert/Quanti-Tray	145560	Enterolert/Quanti-Tray	145723

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CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY - Affix Workorder/Login Label Here or List Pace Workorder Number or
MTIL Form ID #

WO# : 20107999



20107999

ALL SH

Container Preservativ

** Preservative Types: (1) nitric acid, (2) methanol, (7) sodium bisulfate, (8) sodium unosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other

Report To:

Site Collection Info/Address:

State: / County/City: Time Zone Collected: | P | T | | M | T | | C | T | | E | T

Compliance Monitoring? | Yes | No

DW PWS ID #: DW Location Code: Immediately Packed on Ice: | Yes | No

Field Filtered (if applicable): | Yes | No

Analysis:

Turnaround Date Required: Rush
| Same Day | 1 2 Day | 1 3 Day | 1 4 Day | 1 5 Day (Expedite Charges Apply)

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start)		Composite End	Res CI	# of Ctns
			Date	Time			
Lake Forest Yacht Club	GW	G1	6.13.19	0830			1
Stedmans Landing	GW	G	6.13.19	0810			1

Customer Remarks / Special Conditions / Possible Hazards:

Type of Ice Used: Wet Blue Dry None

Packing Material Used:

Radchem sample(s) screened (<500 cpm): Y N NA

SHORT HOLDS PRESENT (<72 hours): Y N N/A

Lab Tracking #: 2364659

Samples received via: FEDEX UPS Client Courier

Date/Time: 6/13/19 0900

Received by/Company: (Signature) Kyle A. Vilhans

Date/Time: 6.13.19 @ 0900

Received by/Company: (Signature)

Date/Time: Received by/Company: (Signature)

Date/Time: Received by/Company: (Signature)

Lab Profile/Line:

Lab Sample Receipt Checklist:

Custody Seals Present/Intact Y N NA
 Custody Signatures Present Y N NA
 Collector Signature Present Y N NA
 Bottles Intact Y N NA
 Correct Bottles Y N NA
 Sufficient Volume Y N NA
 Samples Received on Ice Y N NA
 VOA - Headspace Acceptable Y N NA
 USDA Regulated Soils Y N NA
 Samples in Holding Time Y N NA
 Residual Chlorine Present Y N NA
 CI Strips: Y N NA
 Sample pH Acceptable Y N NA
 pH Strips: Y N NA
 Sulfide Present Y N NA
 Lead Acetate Strips: Y N NA

LAB USE ONLY:
 Lab Sample # / Comments:

Manfours: 2
M. Leage: 51

Lab Sample Temperature Info:
 Temp Blank Received: 5.1
 Therm ID#: JK-01
 Cooler 1 Temp Upon Receipt: 5.1 oC
 Cooler 1 Therm Corr. Factor: -0.1 oC
 Cooler 1 Corrected Temp: 5 oC

Comments:

Trip Blank Received: Y N NA
 HCL MeOH TSP Other
 Non Conformance(s): YES / NO
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