

May 14, 2019

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

RE: Project: Baywater Samples
Pace Project No.: 20104236

Dear Bobby Purvis:

Enclosed are the analytical results for sample(s) received by the laboratory on May 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: Baywater Samples

Pace Project No.: 20104236

Mobile Certification IDs

4320 Midmost Drive, Mobile, AL 36609

Alabama Certification #: 40810

Florida Certification #: E87977

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SAMPLE SUMMARY

Project: Baywater Samples

Pace Project No.: 20104236

Lab ID	Sample ID	Matrix	Date Collected	Date Received
20104236001	Bayfront Park	Water	05/13/19 10:55	05/13/19 14:10
20104236002	Lake Forest Yacht Club	Water	05/13/19 11:15	05/13/19 14:10
20104236003	Steadman's Landing	Water	05/13/19 10:30	05/13/19 14:10

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SAMPLE ANALYTE COUNT

Project: Baywater Samples

Pace Project No.: 20104236

Lab ID	Sample ID	Method	Analysts	Analytes Reported
20104236001	Bayfront Park	Enterolert/Quanti-Tray	CMR	1
20104236002	Lake Forest Yacht Club	Enterolert/Quanti-Tray	CMR	1
20104236003	Steadman's Landing	Enterolert/Quanti-Tray	CMR	1

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ANALYTICAL RESULTS

Project: Baywater Samples

Pace Project No.: 20104236

Sample: Bayfront Park		Lab ID: 20104236001	Collected: 05/13/19 10:55	Received: 05/13/19 14:10	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	20.0	MPN/100mL	10.0	10	05/13/19 14:36	05/14/19 14:35		

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ANALYTICAL RESULTS

Project: Baywater Samples

Pace Project No.: 20104236

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Sample: Lake Forest Yacht Club Lab ID: 20104236002 Collected: 05/13/19 11:15 Received: 05/13/19 14:10 Matrix: Water								
MOB Enterolert/Quanti-Tray Analytical Method: Enterolert/Quanti-Tray Preparation Method: Enterolert/Quanti-Tray								
Enterococci	108	MPN/100mL	10.0	10	05/13/19 14:36	05/14/19 14:35		

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ANALYTICAL RESULTS

Project: Baywater Samples

Pace Project No.: 20104236

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Sample: Steadman's Landing								
Lab ID: 20104236003								
Collected: 05/13/19 10:30 Received: 05/13/19 14:10 Matrix: Water								
MOB Enterolert/Quanti-Tray								
Analytical Method: Enterolert/Quanti-Tray Preparation Method: Enterolert/Quanti-Tray								
Enterococci	253	MPN/100mL	10.0	10	05/13/19 14:36	05/14/19 14:35		

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QUALITY CONTROL DATA

Project: Baywater Samples

Pace Project No.: 20104236

QC Batch: 142010

Analysis Method: Enterolert/Quanti-Tray

QC Batch Method: Enterolert/Quanti-Tray

Analysis Description: MOB Enterolert/Quanti-Tray

Associated Lab Samples: 20104236001, 20104236002, 20104236003

METHOD BLANK: 622130

Matrix: Water

Associated Lab Samples: 20104236001, 20104236002, 20104236003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Enterococci	MPN/100mL	ND	1.0	05/14/19 11:08	

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: Baywater Samples

Pace Project No.: 20104236

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: Baywater Samples

Pace Project No.: 20104236

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
20104236001	Bayfront Park	Enterolert/Quanti-Tray	142010	Enterolert/Quanti-Tray	142107
20104236002	Lake Forest Yacht Club	Enterolert/Quanti-Tray	142010	Enterolert/Quanti-Tray	142107
20104236003	Steadman's Landing	Enterolert/Quanti-Tray	142010	Enterolert/Quanti-Tray	142107

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CHAIN-OF-CUSTODY Analytical Request Document

LAB USE ONLY - Affix Workorder/MTJ

WO#: 20104236

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

Billing Information:

Company: *Daphne*

Address:

ALL SHADED A

Container Preservative Type **

Report To:

Email To:

Site Collection Info/Address:

State: / County/City: Time Zone Collected: [] PT [] MT [] CT [] ET

Compliance Monitoring? [] Yes [] No

DW PWS ID #:

DW Location Code:

Immediately Packed on Ice: [] Yes [] No

Field Filtered (if applicable): [] Yes [] No

Analysis:

Customer Project Name/Number: *Baywater Samples*

Site/Facility ID #:

Purchase Order #: /

Quote #:

Turnaround Date Required:

Rush: [] Same Day [] Next Day [] 12 Day [] 3 Day [] 4 Day [] 5 Day (Expedite Charges Apply)

Sample Disposal: [] Dispose as appropriate [] Return [] Archive: [] Hold:

* 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) Date Time

Composite End Date Time

Res CI

Wet Blue Dry None

Type of Ice Used: [] Wet [] Blue [] Dry [] None

Packing Material Used:

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

Received by/Company: (Signature) *[Signature]*

Date/Time: *5.13.19 1440*

Received by/Company: (Signature) *[Signature]*

Date/Time: *5.13.19 1410*

Received by/Company: (Signature) *[Signature]*

Date/Time: *5.13.19 1410*

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start) Date Time	Composite End Date Time	Res CI	Wet Blue Dry None	Type of Ice Used: [] Wet [] Blue [] Dry [] None	Packing Material Used:	Radchem sample(s) screened (<500 cpm): Y N NA	Received by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
<i>Bayfront Park</i>	<i>GW</i>	<i>G</i>	<i>5.13.19 1055</i>		<i>1</i>					<i>[Signature]</i>	<i>5.13.19 1055</i>	<i>[Signature]</i>	<i>5.13.19 1055</i>	<i>[Signature]</i>	<i>5.13.19 1055</i>
<i>Lake forest yachtclub</i>	<i>GW</i>	<i>G</i>	<i>5.13.19 1115</i>		<i>1</i>					<i>[Signature]</i>	<i>5.13.19 1115</i>	<i>[Signature]</i>	<i>5.13.19 1115</i>	<i>[Signature]</i>	<i>5.13.19 1115</i>
<i>Steadmans landing</i>	<i>GW</i>	<i>G</i>	<i>5.13.19 1030</i>		<i>1</i>					<i>[Signature]</i>	<i>5.13.19 1030</i>	<i>[Signature]</i>	<i>5.13.19 1030</i>	<i>[Signature]</i>	<i>5.13.19 1030</i>

Customer Remarks / Special Conditions / Possible Hazards:

Lab Sample Receipt Checklist:

- Custody Seals Present: *Y N NA*
- Custody Signatures Present: *Y N NA*
- Collector Signatures 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*
- C1 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:

Lab Sample Temperature Info:

Temp Blank Received: *Y N NA*

Therm ID#: *JK-01*

Cooler 1 Temp Upon Receipt: *19.9* oC

Cooler 1 Therm Corr. Factor: *0.1* oC

Cooler 1 Corrected Temp: *19.8* oC

Comments:

Trip Blank Received: *Y N NA*

HCL MeOH TSP Other

Non Conformance(s): *YES / NO*

Page: *1* of *1*