

July 15, 2020

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

RE: Project: Bay Sampling
Pace Project No.: 20162427

Dear Bobby Purvis:

Enclosed are the analytical results for sample(s) received by the laboratory on July 13, 2020. The results relate only to the samples included in this report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Mobile Labs

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.: 20162427

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.: 20162427

Lab ID	Sample ID	Matrix	Date Collected	Date Received
20162427001	Stedman's Landing	Water	07/13/20 10:55	07/13/20 13:55
20162427002	Bayfront Park	Water	07/13/20 11:22	07/13/20 13:55
20162427003	Lake Forest Yacht Club	Water	07/13/20 11:40	07/13/20 13:55

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SAMPLE ANALYTE COUNT

Project: Bay Sampling

Pace Project No.: 20162427

Lab ID	Sample ID	Method	Analysts	Analytes Reported
20162427001	Stedman's Landing	Enterolert/Quanti-Tray	PP1	1
20162427002	Bayfront Park	Enterolert/Quanti-Tray	PP1	1
20162427003	Lake Forest Yacht Club	Enterolert/Quanti-Tray	PP1	1

PASI-MO = Pace Analytical Services - Mobile Labs

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ANALYTICAL RESULTS

Project: Bay Sampling

Pace Project No.: 20162427

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Sample: Stedman's Landing								
Lab ID: 20162427001								
Collected: 07/13/20 10:55 Received: 07/13/20 13:55 Matrix: Water								
MOB Enterolert/Quanti-Tray								
Analytical Method: Enterolert/Quanti-Tray Preparation Method: Enterolert/Quanti-Tray								
Pace Analytical Services - Mobile Labs								
Enterococci	1500	MPN/100mL	10.0	10	07/13/20 14:21	07/14/20 14:21		N2

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ANALYTICAL RESULTS

Project: Bay Sampling

Pace Project No.: 20162427

Sample: Bayfront Park		Lab ID: 20162427002	Collected: 07/13/20 11:22	Received: 07/13/20 13:55	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								
Pace Analytical Services - Mobile Labs								
Enterococci	1660	MPN/100mL	10.0	10	07/13/20 14:21	07/14/20 14:21		N2

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ANALYTICAL RESULTS

Project: Bay Sampling

Pace Project No.: 20162427

Sample: Lake Forest Yacht Club		Lab ID: 20162427003	Collected: 07/13/20 11:40	Received: 07/13/20 13:55	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 Pace Analytical Services - Mobile Labs								
Enterococci	1040	MPN/100mL	10.0	10	07/13/20 14:21	07/14/20 14:21		N2

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QUALITY CONTROL DATA

Project: Bay Sampling
Pace Project No.: 20162427

QC Batch:	192456	Analysis Method:	Enterolert/Quanti-Tray
QC Batch Method:	Enterolert/Quanti-Tray	Analysis Description:	MOB Enterolert/Quanti-Tray
		Laboratory:	Pace Analytical Services - Mobile Labs

Associated Lab Samples: 20162427001, 20162427002, 20162427003

METHOD BLANK: 890131 Matrix: Water
Associated Lab Samples: 20162427001, 20162427002, 20162427003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Enterococci	MPN/100mL	ND	1.0	07/14/20 14:21	N2

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.: 20162427

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.

ANALYTE QUALIFIERS

N2 The lab does not hold NELAC/TNI accreditation for this parameter but other accreditations/certifications may apply. A complete list of accreditations/certifications is available upon request.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Bay Sampling

Pace Project No.: 20162427

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
20162427001	Stedman's Landing	Enterolert/Quanti-Tray	192456	Enterolert/Quanti-Tray	192658
20162427002	Bayfront Park	Enterolert/Quanti-Tray	192456	Enterolert/Quanti-Tray	192658
20162427003	Lake Forest Yacht Club	Enterolert/Quanti-Tray	192456	Enterolert/Quanti-Tray	192658

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

ALL SHADEC



WV# - 20102421

Company: Daphne
 Address: _____
 Report To: _____
 Copy To: _____

Customer Project Name/Number: Bay Sampling
 State: / County/City: _____
 Time Zone Collected: PT | MT | CT | ET

Site/Facility ID #: _____
 Compliance Monitoring? Y Yes N No

Collected By (print): Bradley Simpson
 Collected By (signature): _____
 Quote #: _____
 Turnaround Date Required: STD

Sample Disposal: _____
 Rush: Y Same Day N Next Day
Y 2 Day N 3 Day N 4 Day N 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 for Composite Start)		Composite End		Res Cl	# of Cms
			Date	Time	Date	Time		
<u>Stedmans Landing</u>	<u>GW</u>	<u>G</u>	<u>7.13.20</u>	<u>1055</u>				<u>X</u>
<u>Bay Front</u>	<u>G</u>	<u>G</u>	<u>7.13.20</u>	<u>1122</u>				<u>X</u>
<u>Lake Forest yacht club</u>	<u>G</u>	<u>G</u>	<u>7.13.20</u>	<u>1140</u>				<u>X</u>

Bact. / Entero QT

** Preservative Types: (1) nitric acid, (2) sulfuric acid, (3) hydrochloric acid, (4) sodium hydroxide, (5) zinc acetate, (6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfite, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other

Container Preservative Type: _____

Analyses: _____

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

Lab Tracking #: 2527867
 SHORT HOLDS PRESENT (<72 hours): Y N N/A

Lab Sample Temperature Info:
 Temp Blank Received: Y N NA
 Therm ID#: 12-0077
 Cooler 1 Temp Upon Receipt: OC
 Cooler 1 Therm Corr. Factor: OC
 Cooler 1 Corrected Temp: 7.1 OC

Relinquished by/Company: (Signature)

Date/Time: 7.13.20 1355

Received by/Company: (Signature)

Date/Time: 7/13/2020 1355

Relinquished by/Company: (Signature)

Received by/Company: (Signature)

Relinquished by/Company: (Signature)

Date/Time: _____

Received by/Company: (Signature)

Date/Time: _____

Relinquished by/Company: (Signature)

Received by/Company: (Signature)

Relinquished by/Company: (Signature)

Date/Time: _____

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Date/Time: _____

Relinquished by/Company: (Signature)

Received by/Company: (Signature)

Relinquished by/Company: (Signature)

Date/Time: _____

Received by/Company: (Signature)

Date/Time: _____

Relinquished by/Company: (Signature)

Received by/Company: (Signature)



Sample Condition Upon Receipt

4320 Midmost Dr Mobile AL 36609

Project #:

MO#: 20162444
 PM: SLW
 Due Date: 07/17/20
 CLIENT: MO-Airbus

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: MAS 7/15/20

Temp must be measured from temperature blank when present	Comments	1	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Temperature Blank Present:		2	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Chain of Custody Present:		3	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Chain of Custody Complete:		4	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Chain of Custody Relinquished:		5	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Sampler Name on COC:		6	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Short Hold Time Analyses (<72 hr):		7	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Rush Turn Around Requested:		8	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Samples Arrived within Hold Time:		9	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Sufficient Volume:		10	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Correct Containers Used:		11	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Filtered vol. Rec. for Diss. tests		12	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Sample Labels match COC:		13	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
All containers received within manufacturer's precautionary and/or expiration dates:		14	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
All containers needing chemical preservation have been checked (except VOA, micro, & O&G):		15	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
All containers preservation checked found to be in compliance with EPA recommendation:	If No, was preservative added? <input type="checkbox"/> Yes <input type="checkbox"/> No If added record lot no. HNO3 _____ H2SO4 _____	16	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Headspace in VOA Vials (>5mm):		17	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Trip Blank Present:			<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Client Notification/Resolution: _____
 Person Contacted: _____
 Date/Time: _____
 Comments/Resolution: _____