

November 06, 2019

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

RE: Project: Bay Sampling
Pace Project No.: 20128606

Dear Bobby Purvis:

Enclosed are the analytical results for sample(s) received by the laboratory on November 04, 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.: 20128606

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.: 20128606

Lab ID	Sample ID	Matrix	Date Collected	Date Received
20128606001	Bayfront Park	Water	11/04/19 08:05	11/04/19 09:50
20128606002	Lake Forest Yacht Club	Water	11/04/19 07:52	11/04/19 09:50
20128606003	Stedman's Landing	Water	11/04/19 08:25	11/04/19 09:50

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SAMPLE ANALYTE COUNT

Project: Bay Sampling

Pace Project No.: 20128606

Lab ID	Sample ID	Method	Analysts	Analytes Reported
20128606001	Bayfront Park	Enterolert/Quanti-Tray	PP1	1
20128606002	Lake Forest Yacht Club	Enterolert/Quanti-Tray	PP1	1
20128606003	Stedman's Landing	Enterolert/Quanti-Tray	PP1	1

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ANALYTICAL RESULTS

Project: Bay Sampling

Pace Project No.: 20128606

Sample: Bayfront Park		Lab ID: 20128606001	Collected: 11/04/19 08:05	Received: 11/04/19 09:50	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	ND	MPN/100mL	10.0	10	11/04/19 14:45	11/05/19 14:45		

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ANALYTICAL RESULTS

Project: Bay Sampling

Pace Project No.: 20128606

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Sample: Lake Forest Yacht Club Lab ID: 20128606002 Collected: 11/04/19 07:52 Received: 11/04/19 09:50 Matrix: Water								
MOB Enterolert/Quanti-Tray Analytical Method: Enterolert/Quanti-Tray Preparation Method: Enterolert/Quanti-Tray								
Enterococci	ND	MPN/100mL	10.0	10	11/04/19 14:45	11/05/19 14:45		

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ANALYTICAL RESULTS

Project: Bay Sampling

Pace Project No.: 20128606

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Sample: Stedman's Landing								
Lab ID: 20128606003								
Collected: 11/04/19 08:25 Received: 11/04/19 09:50 Matrix: Water								
MOB Enterolert/Quanti-Tray								
Analytical Method: Enterolert/Quanti-Tray Preparation Method: Enterolert/Quanti-Tray								
Enterococci	41.0	MPN/100mL	10.0	10	11/04/19 14:45	11/05/19 14:45		

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QUALITY CONTROL DATA

Project: Bay Sampling

Pace Project No.: 20128606

QC Batch: 163737

Analysis Method: Enterolert/Quanti-Tray

QC Batch Method: Enterolert/Quanti-Tray

Analysis Description: MOB Enterolert/Quanti-Tray

Associated Lab Samples: 20128606001, 20128606002, 20128606003

METHOD BLANK: 738463

Matrix: Water

Associated Lab Samples: 20128606001, 20128606002, 20128606003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Enterococci	MPN/100mL	ND	1.0	11/05/19 14:45	

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.: 20128606

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.: 20128606

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
20128606001	Bayfront Park	Enterolert/Quanti-Tray	163737	Enterolert/Quanti-Tray	163738
20128606002	Lake Forest Yacht Club	Enterolert/Quanti-Tray	163737	Enterolert/Quanti-Tray	163738
20128606003	Stedman's Landing	Enterolert/Quanti-Tray	163737	Enterolert/Quanti-Tray	163738

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

WO# : 20128606



20128606

Section A	Section B	Section C																				
Required Client Information:	Required Project Information:	Invoice Information:																				
Company: Deephine Utilities Wastewater Dept. Address: P.O. Box 2550 Gadapa, AL 36526	Report To: Sharon Surra Copy To: Purchase Order #: Project Name: Bay Sampling Project #:	Attention: Company Name: Address: Pace Quote: Pace Project Manager: marykathryn.brenner@pacelabs.com Pace Profile #: 9456																				
Email: sharon@dpuutilities.com Phone: (251)390-3561 Requested Due Date:	Purchase Order #: Project Name: Bay Sampling Project #:	Regulatory Agency: State / Location: AL																				
ITEM # SAMPLE ID One Character per box. (A-Z, 0-9 / -) Sample Ids must be unique	MATRIX	CODE	MATRIX CODE (see valid codes to left)	COLLECTED	START DATE TIME	END DATE TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives						Analyses Test	Y/N	Requested Analyte Filtered (Y/N)	Residual Chlorine (Y/N)	TEMP In C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
	Dreling Water Waste Waste Water Product Soils/Sed OI Wipe Air Other Tissue	DM DW WW P SL CL WP AQ OT TS								Unpreserved H2SO4 HNO3 HCl NaOH Na2S2O3 Methanol Other	Enterotoxins											
	1 Bayfront Park		WT	WT																		
	2 Lake Forest Yacht Club		WT	WT	11/19	0805																
	3 Siedman's Landing		WT	WT	11/19	0962																
	4																					
	5																					
	6																					
	7																					
	8																					
	9																					
	10																					
11																						
12																						
ADDITIONAL COMMENTS			RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS													
			<i>[Signature]</i>	11/19	0950	<i>[Signature]</i>	11/19	9:50	23	Y	N	Y										
SAMPLER NAME AND SIGNATURE PRINT Name of SAMPLER: <i>[Signature]</i> SIGNATURE of SAMPLER: <i>[Signature]</i> DATE Signed: 11/19																						



4320 Midmost Dr Mobile AL 36609

Sample Condition Upon Receipt

Project #:

MO#: 20128606

PM: MKB Due Date: 11/13/19
 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]

Cooler Temperature: [see COC]

Date and Initials of person examining contents: MAS 11/14/19

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 type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Client Notification/Resolution:

Person Contacted:

Date/Time:

Comments/ Resolution: