

July 20, 2020

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

RE: Project: Bay Sampling
Pace Project No.: 20162851

Dear Bobby Purvis:

Enclosed are the analytical results for sample(s) received by the laboratory on July 15, 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.: 20162851

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.: 20162851

Lab ID	Sample ID	Matrix	Date Collected	Date Received
20162851001	Bayfront Park	Water	07/15/20 11:26	07/15/20 12:25
20162851002	Lake Forest Yacht Club	Water	07/15/20 11:11	07/15/20 12:25
20162851003	Stedman's Landing	Water	07/15/20 11:45	07/15/20 12:25

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SAMPLE ANALYTE COUNT

Project: Bay Sampling

Pace Project No.: 20162851

Lab ID	Sample ID	Method	Analysts	Analytes Reported
20162851001	Bayfront Park	Enterolert/Quanti-Tray	PP1	1
20162851002	Lake Forest Yacht Club	Enterolert/Quanti-Tray	PP1	1
20162851003	Stedman's Landing	Enterolert/Quanti-Tray	PP1	1

PASI-MO = Pace Analytical Services - Mobile Labs

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ANALYTICAL RESULTS

Project: Bay Sampling

Pace Project No.: 20162851

Sample: Bayfront Park	Lab ID: 20162851001	Collected: 07/15/20 11:26	Received: 07/15/20 12:25	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	160	MPN/100mL	10.0	10	07/15/20 14:00	07/16/20 14:10		N2

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ANALYTICAL RESULTS

Project: Bay Sampling

Pace Project No.: 20162851

Sample: Lake Forest Yacht Club		Lab ID: 20162851002	Collected: 07/15/20 11:11	Received: 07/15/20 12:25	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	146	MPN/100mL	10.0	10	07/15/20 14:00	07/16/20 14:10		N2

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ANALYTICAL RESULTS

Project: Bay Sampling

Pace Project No.: 20162851

Sample: Stedman's Landing		Lab ID: 20162851003	Collected: 07/15/20 11:45	Received: 07/15/20 12:25	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	197	MPN/100mL	10.0	10	07/15/20 14:00	07/16/20 14:10		N2

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QUALITY CONTROL DATA

Project: Bay Sampling

Pace Project No.: 20162851

QC Batch: 192766

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: 20162851001, 20162851002, 20162851003

METHOD BLANK: 891766

Matrix: Water

Associated Lab Samples: 20162851001, 20162851002, 20162851003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Enterococci	MPN/100mL	ND	1.0	07/16/20 14:10	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.: 20162851

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.: 20162851

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
20162851001	Bayfront Park	Enterolert/Quanti-Tray	192766	Enterolert/Quanti-Tray	193073
20162851002	Lake Forest Yacht Club	Enterolert/Quanti-Tray	192766	Enterolert/Quanti-Tray	193073
20162851003	Stedman's Landing	Enterolert/Quanti-Tray	192766	Enterolert/Quanti-Tray	193073

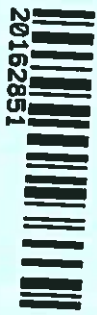
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CHAIN-OF-CUSTODY / Analytical Request
The Chain-of-Custody is a LEGAL DOCUMENT All relevant fields

WU#: 20162851



20162851

Section A	Required Client Information:	Section B	Required Project Information:	Section C	Invoice Information:
Company:	Daphne Utilities Wastewater Dept.	Report To:	Sharon Surra	Attention:	
Address:	P.O. Box 2550	Copy To:		Company Name:	
Daphne AL 36526		Purchase Order #:		Address:	
Email:	sharon@daphneutilities.com	Project Name:	Bay Sampling	Pace Quote:	
Phone:	(251)380-8961	Project #:		Pace Project Manager:	marykathryn.brenner@pacelabs.com
Requested Due Date:				Pace Profile #:	9456
				Regulatory Agency:	State / Location AL

ITEM #	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives						Analyses Test	Y/N	Requested Analytes Filtered (Y/N)	Residual Chlorine (Y/N)
			START DATE	END DATE			Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3				
1	WT		7/15	1120												
2	WT		7/15	1111												
3	WT		7/15	1145												
4																
5																
6																
7																
8																
9																
10																
11																
12																

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
Birds - 10, Calm water - LF	Engel	7/15/10	1225	Arnold	7/15/10	1225	Y N Y
Birds - 8, Calm water - BP							
Birds - 8, Rough water - SL							

SAMPLER NAME AND SIGNATURE	PRINT Name of SAMPLER:	SIGNATURE of SAMPLER:	DATE Signed:	TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
	Sharon Surra	[Signature]	7/15				



4320 Midmost Dr Mobile AL 36609

Project #:

Sample Condition Upon Receipt

PM: MKB CLIENT: MO-Daphne Due Date: 07/24/20

MO#: 20162851

Courier:

Pace Client FedEx UPS Other Tracking # _____

Custody Seal on Cooler/Box Present [see COC]

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 Initial of person examining contents: MKS 7/15/20

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

Client Notification/Resolution:

Person Contacted

Date/Time:

Comments/ Resolution: