



July 12, 2023

Josh Newman  
City of Daphne

,

RE: Project: Bay Sampling 07/10/23  
Pace Project No.: 20282185

Dear Josh Newman:

Enclosed are the analytical results for sample(s) received by the laboratory on July 10, 2023. 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,

A handwritten signature in black ink that reads "MK Brenner".

Mary Kathryn Brenner  
marykathryn.brenner@pacelabs.com  
251-344-9106  
Project Manager

Enclosures

cc: Johnny Grimes, Daphne Utilities  
Bobby Purvis, Daphne Utilities Wastewater Dept.  
Jesie Ward, City of Daphne

## REPORT OF LABORATORY ANALYSIS

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## CERTIFICATIONS

Project: Bay Sampling 07/10/23  
Pace Project No.: 20282185

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**Pace Analytical Services Mobile**

4320 Midmost Drive, Mobile, AL 36609

Alabama Certification #: 40810

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### SAMPLE SUMMARY

Project: Bay Sampling 07/10/23

Pace Project No.: 20282185

Lab ID	Sample ID	Matrix	Date Collected	Date Received
20282185001	Bayfront Park	Water	07/10/23 12:35	07/10/23 13:44
20282185002	Lake Forest Yacht Club	Water	07/10/23 12:53	07/10/23 13:44
20282185003	Stedman's Landing	Water	07/10/23 13:16	07/10/23 13:44

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### SAMPLE ANALYTE COUNT

Project: Bay Sampling 07/10/23

Pace Project No.: 20282185

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Lab ID	Sample ID	Method	Analysts	Analytes Reported
20282185001	Bayfront Park	Enterolert/Quanti-Tray	LMR	1
20282185002	Lake Forest Yacht Club	Enterolert/Quanti-Tray	LMR	1
20282185003	Stedman's Landing	Enterolert/Quanti-Tray	LMR	1

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PASI-MO = Pace Analytical Services - Mobile Labs

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### ANALYTICAL RESULTS

Project: Bay Sampling 07/10/23

Pace Project No.: 20282185

<b>Sample: Bayfront Park</b>		<b>Lab ID: 20282185001</b>	Collected: 07/10/23 12:35	Received: 07/10/23 13:44	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual

<b>MOB Enterolert/Quanti-Tray</b>		Analytical Method: Enterolert/Quanti-Tray Preparation Method: Enterolert/Quanti-Tray Pace Analytical Services - Mobile Labs						
Enterococci	ND	MPN/100mL	10.0	10	07/10/23 14:15	07/11/23 15:25		N2

<b>Sample: Lake Forest Yacht Club</b>		<b>Lab ID: 20282185002</b>	Collected: 07/10/23 12:53	Received: 07/10/23 13:44	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual

<b>MOB Enterolert/Quanti-Tray</b>		Analytical Method: Enterolert/Quanti-Tray Preparation Method: Enterolert/Quanti-Tray Pace Analytical Services - Mobile Labs						
Enterococci	504	MPN/100mL	10.0	10	07/10/23 14:15	07/11/23 15:25		N2

<b>Sample: Stedman's Landing</b>		<b>Lab ID: 20282185003</b>	Collected: 07/10/23 13:16	Received: 07/10/23 13:44	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual

<b>MOB Enterolert/Quanti-Tray</b>		Analytical Method: Enterolert/Quanti-Tray Preparation Method: Enterolert/Quanti-Tray Pace Analytical Services - Mobile Labs						
Enterococci	231	MPN/100mL	10.0	10	07/10/23 14:15	07/11/23 15:25		N2

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### QUALITY CONTROL DATA

Project: Bay Sampling 07/10/23

Pace Project No.: 20282185

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QC Batch:	290974	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: 20282185001, 20282185002, 20282185003

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METHOD BLANK: 1394722 Matrix: Water

Associated Lab Samples: 20282185001, 20282185002, 20282185003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Enterococci	MPN/100mL	ND	1.0	07/11/23 15:25	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 07/10/23

Pace Project No.: 20282185

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### 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.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

### 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 07/10/23

Pace Project No.: 20282185

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
20282185001	Bayfront Park	Enterolert/Quanti-Tray	290974	Enterolert/Quanti-Tray	291145
20282185002	Lake Forest Yacht Club	Enterolert/Quanti-Tray	290974	Enterolert/Quanti-Tray	291145
20282185003	Stedman's Landing	Enterolert/Quanti-Tray	290974	Enterolert/Quanti-Tray	291145

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# CHAIN-OF-CUSTODY / Analytical Request Document



20282185

### Section A

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at <https://info.pacelabs.com>

### Section B

Required Client Information:

Company: Daphne Utilities Wastewater Dept.  
 Address: P. O. Box 2550  
 Daphne, AL 36526  
 Email: sharon@dadhneutilities.com  
 Phone: (251) 390-8561  
 Requested Due Date:

### Section C

Required Project Information:

Report To: Sharon Surra  
 Copy To:  
 Purchase Order #:  
 Project Name: Bay Sampling  
 Project #:

### Invoice Information:

Attention:  
 Company Name:  
 Address:  
 Pace Quote  
 Pace Project Manager: marykathryn.brenner@pacelabs.com.  
 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							Analyzes Test	Y/N	Requested Analyte Filtered (Y/N)	Residual Chlorine (Y/N)	
			START DATE	END DATE			Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol					Other
1	WT	WT	7-10	235		1												
2	WT	WT	7-10	259		1												
3	WT	WT	7-10	1316		1												
4																		
5																		
6																		
7																		
8																		
9																		
10																		
11																		
12																		

ADDITIONAL COMMENTS: 5.2 mi sand 2 hr per bin 93

RELINQUISHED BY / APPLICATION: [Signature] 7-10 1405

ACCEPTED BY / APPLICATION: [Signature] 7/10 1405 R.1

SAMPLER NAME AND SIGNATURE: [Signature] DATE Signed: 7-10-23

TEMP in C: Received on Ice (Y/N): Custody Sealed Cooler (Y/N): Samples Intact (Y/N):

Sample Condition Upon Receipt

Project #: \_\_\_\_\_

PM: MKB  
 CLIENT: MO-Daphne  
 Due Date: 07/19/23

**MO#: 20282185**

Carrier:  Pace  Client  FedEx  UPS  Other Tracking # \_\_\_\_\_

Custody Seal on Cooler/Box Present: \_\_\_\_\_ [see COC]

Custody Seals Intact:  Yes  No

Thermometer  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: 7/19/23 MKB

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	If No, was preservative added? <input type="checkbox"/> Yes <input type="checkbox"/> No If added record lot no.: HNO3 H2SO4
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	

Temp must be measured from temperature blank when present

Comments: \_\_\_\_\_

Client Notification/Resolution: \_\_\_\_\_

Person Contacted: \_\_\_\_\_

Date/Time: \_\_\_\_\_

Comments/Resolution: \_\_\_\_\_