

August 25, 2020

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

RE: Project: Bay Sampling  
Pace Project No.: 20168478

Dear Bobby Purvis:

Enclosed are the analytical results for sample(s) received by the laboratory on August 24, 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.: 20168478

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**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.: 20168478

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| Lab ID      | Sample ID              | Matrix | Date Collected | Date Received  |
|-------------|------------------------|--------|----------------|----------------|
| 20168478001 | Bayfront Park          | Water  | 08/24/20 10:10 | 08/24/20 11:00 |
| 20168478002 | Lake Forest Yacht Club | Water  | 08/24/20 10:20 | 08/24/20 11:00 |
| 20168478003 | Stedman's Landing      | Water  | 08/24/20 10:30 | 08/24/20 11:00 |

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### SAMPLE ANALYTE COUNT

Project: Bay Sampling

Pace Project No.: 20168478

| Lab ID      | Sample ID              | Method                 | Analysts | Analytes Reported |
|-------------|------------------------|------------------------|----------|-------------------|
| 20168478001 | Bayfront Park          | Enterolert/Quanti-Tray | PP1      | 1                 |
| 20168478002 | Lake Forest Yacht Club | Enterolert/Quanti-Tray | PP1      | 1                 |
| 20168478003 | 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.: 20168478

| <b>Sample: Bayfront Park</b>                                                                                                   |             | <b>Lab ID: 20168478001</b> | Collected: 08/24/20 10:10 | Received: 08/24/20 11:00 | 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<br>Pace Analytical Services - Mobile Labs |             |                            |                           |                          |                |                |         |      |
| Enterococci                                                                                                                    | <b>10.0</b> | MPN/100mL                  | 10.0                      | 10                       | 08/24/20 12:17 | 08/25/20 12:19 |         | N2   |

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### ANALYTICAL RESULTS

Project: Bay Sampling

Pace Project No.: 20168478

| <b>Sample: Lake Forest Yacht Club</b>                                                |         | <b>Lab ID: 20168478002</b> | Collected: 08/24/20 10:20 | Received: 08/24/20 11:00 | 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                       | 08/24/20 12:17 | 08/25/20 12:19 |         | N2   |

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## ANALYTICAL RESULTS

Project: Bay Sampling

Pace Project No.: 20168478

| Parameters                                                                              | Results | Units     | Report Limit | DF | Prepared       | Analyzed       | CAS No. | Qual |
|-----------------------------------------------------------------------------------------|---------|-----------|--------------|----|----------------|----------------|---------|------|
| <b>Sample: Stedman's Landing</b>                                                        |         |           |              |    |                |                |         |      |
| <b>Lab ID: 20168478003</b>                                                              |         |           |              |    |                |                |         |      |
| Collected: 08/24/20 10:30    Received: 08/24/20 11:00    Matrix: Water                  |         |           |              |    |                |                |         |      |
| <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 | 08/24/20 12:17 | 08/25/20 12:19 |         | N2   |

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### QUALITY CONTROL DATA

Project: Bay Sampling

Pace Project No.: 20168478

QC Batch: 197659

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: 20168478001, 20168478002, 20168478003

METHOD BLANK: 918188

Matrix: Water

Associated Lab Samples: 20168478001, 20168478002, 20168478003

| Parameter   | Units     | Blank Result | Reporting Limit | Analyzed       | Qualifiers |
|-------------|-----------|--------------|-----------------|----------------|------------|
| Enterococci | MPN/100mL | ND           | 1.0             | 08/25/20 12:19 | 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.: 20168478

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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.

### 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.: 20168478

| Lab ID      | Sample ID              | QC Batch Method        | QC Batch | Analytical Method      | Analytical Batch |
|-------------|------------------------|------------------------|----------|------------------------|------------------|
| 20168478001 | Bayfront Park          | Enterolert/Quanti-Tray | 197659   | Enterolert/Quanti-Tray | 197766           |
| 20168478002 | Lake Forest Yacht Club | Enterolert/Quanti-Tray | 197659   | Enterolert/Quanti-Tray | 197766           |
| 20168478003 | Stedman's Landing      | Enterolert/Quanti-Tray | 197659   | Enterolert/Quanti-Tray | 197766           |

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

WOF : 20168478



20168478

**Section A**  
Required Client Information:  
Company: Daphne Utilities Wastewater Dept.  
Address: P O Box 2550  
Daphne AL 36526  
Email: sharon@daphneutilities.com  
Phone: (251)380-8561 Fax  
Requested Due Date:

**Section B**  
Required Project Information:  
Report To: Sharon Surra  
Copy To:  
Purchase Order #:  
Project Name: Bay Sampling  
Project #:

**Section C**  
Invoice Information:  
Attention:  
Company Name:  
Address:  
Pace Quote:  
Pace Project Manager: marykathryn.brenner@dacelabs.com  
Pace Profile #: 9456

Regulatory Agency  
State / Location  
AL

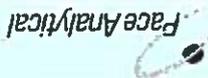
| ITEM # | MATRIX CODE (see valid codes to left) | SAMPLE TYPE (G=GRAB C=COMP) | COLLECTED  |          | SAMPLE TEMP AT COLLECTION | # OF CONTAINERS | Preservatives |       |      |     |      |         |          | Analyses Test | Requested Analysis Filtered (Y/N) | Residual Chlorine (Y/N) |
|--------|---------------------------------------|-----------------------------|------------|----------|---------------------------|-----------------|---------------|-------|------|-----|------|---------|----------|---------------|-----------------------------------|-------------------------|
|        |                                       |                             | START DATE | END DATE |                           |                 | Unpreserved   | H2SO4 | HNO3 | HCl | NaOH | Na2S2O3 | Methanol |               |                                   |                         |
| 1      | WT                                    | WT                          | 8:14       | 10:10    |                           |                 |               |       |      |     |      |         |          |               | X                                 |                         |
| 2      | WT                                    | WT                          | 11:12      | 12:20    |                           |                 |               |       |      |     |      |         |          |               | X                                 |                         |
| 3      | WT                                    | WT                          | 1:10       | 10:30    |                           |                 |               |       |      |     |      |         |          |               | X                                 |                         |
| 4      |                                       |                             |            |          |                           |                 |               |       |      |     |      |         |          |               |                                   |                         |
| 5      |                                       |                             |            |          |                           |                 |               |       |      |     |      |         |          |               |                                   |                         |
| 6      |                                       |                             |            |          |                           |                 |               |       |      |     |      |         |          |               |                                   |                         |
| 7      |                                       |                             |            |          |                           |                 |               |       |      |     |      |         |          |               |                                   |                         |
| 8      |                                       |                             |            |          |                           |                 |               |       |      |     |      |         |          |               |                                   |                         |
| 9      |                                       |                             |            |          |                           |                 |               |       |      |     |      |         |          |               |                                   |                         |
| 10     |                                       |                             |            |          |                           |                 |               |       |      |     |      |         |          |               |                                   |                         |
| 11     |                                       |                             |            |          |                           |                 |               |       |      |     |      |         |          |               |                                   |                         |
| 12     |                                       |                             |            |          |                           |                 |               |       |      |     |      |         |          |               |                                   |                         |

**SAMPLER NAME AND SIGNATURE**  
PRINT Name of SAMPLER: FRAN A. RICHARDS  
SIGNATURE OF SAMPLER: [Signature] DATE: August 4-20

**REQUISITIONED BY / AFFILIATION**  
Brenna Knowlton B249 1100

**ACCEPTED BY / AFFILIATION**  
Shelly 21 8/24/20 1100SA

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



**Sample Condition Upon Receipt**

**MO#: 20168478**

PM: MKB Due Date: 09/02/20

CLIENT: MO-Daphne

Project #:

4320 Midmost Dr Mobile AL 36609

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 Initials of person examining contents: MKS & JZ/120

|    |                                                                                            |                                                                                                  |    |                                                                                         |                                     |
|----|--------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|----|-----------------------------------------------------------------------------------------|-------------------------------------|
| 1  | Temperature Blank Present                                                                  | <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A            | 1  | Temp must be measured from temperature blank when present                               | Comments                            |
| 2  | Chain of Custody Present                                                                   | <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A            | 2  |                                                                                         |                                     |
| 3  | Chain of Custody Complete                                                                  | <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A            | 3  |                                                                                         |                                     |
| 4  | Chain of Custody Relinquished                                                              | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 4  |                                                                                         |                                     |
| 5  | Sampler Name on COC                                                                        | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 5  |                                                                                         |                                     |
| 6  | Short Hold Time Analyses (<72 hr):                                                         | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 6  |                                                                                         |                                     |
| 7  | Rush Turn Around Requested:                                                                | <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A            | 7  |                                                                                         |                                     |
| 8  | Samples Arrived within Hold Time:                                                          | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 8  |                                                                                         |                                     |
| 9  | Sufficient Volume:                                                                         | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 9  |                                                                                         |                                     |
| 10 | Correct Containers Used:                                                                   | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 10 |                                                                                         |                                     |
| 11 | Filtered vol. Rec. for Diss. tests                                                         | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 11 |                                                                                         |                                     |
| 12 | Sample Labels match COC                                                                    | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 12 |                                                                                         |                                     |
| 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 | 13 |                                                                                         |                                     |
| 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 | 14 |                                                                                         |                                     |
| 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 | 15 | 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 | 16 |                                                                                         |                                     |
| 17 | Trip Blank Present:                                                                        | <input type="checkbox"/> Yes <input type="checkbox"/> No                                         | 17 |                                                                                         |                                     |

Client Notification/Resolution:

Person Contacted:

Date/Time:

Comments/ Resolution: