

February 03, 2021

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

RE: Project: Bay Sampling 2/1/21
Pace Project No.: 20189082

Dear Bobby Purvis:

Enclosed are the analytical results for sample(s) received by the laboratory on February 01, 2021. 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: Eric Butler, Daphne Utilities
Ashley Campbell, City of Daphne
Johnny Grimes, Daphne Utilities

REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: Bay Sampling 2/1/21
Pace Project No.: 20189082

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 2/1/21

Pace Project No.: 20189082

| Lab ID | Sample ID | Matrix | Date Collected | Date Received |
|-------------|------------------------|--------|----------------|----------------|
| 20189082001 | Bayfront Park | Water | 02/01/21 07:51 | 02/01/21 11:10 |
| 20189082002 | Lake Forest Yacht Club | Water | 02/01/21 07:40 | 02/01/21 11:10 |
| 20189082003 | Stedman's Landing | Water | 02/01/21 08:10 | 02/01/21 11:10 |

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SAMPLE ANALYTE COUNT

Project: Bay Sampling 2/1/21

Pace Project No.: 20189082

| Lab ID | Sample ID | Method | Analysts | Analytes Reported |
|-------------|------------------------|------------------------|----------|-------------------|
| 20189082001 | Bayfront Park | Enterolert/Quanti-Tray | PP1 | 1 |
| 20189082002 | Lake Forest Yacht Club | Enterolert/Quanti-Tray | PP1 | 1 |
| 20189082003 | Stedman's Landing | Enterolert/Quanti-Tray | PP1 | 1 |

PASI-MO = Pace Analytical Services - Mobile Labs

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ANALYTICAL RESULTS

Project: Bay Sampling 2/1/21

Pace Project No.: 20189082

| Sample: Bayfront Park | | Lab ID: 20189082001 | Collected: 02/01/21 07:51 | Received: 02/01/21 11:10 | 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 | 20.0 | MPN/100mL | 10.0 | 10 | 02/01/21 12:20 | 02/02/21 12:10 | | N2 |

| Sample: Lake Forest Yacht Club | | Lab ID: 20189082002 | Collected: 02/01/21 07:40 | Received: 02/01/21 11:10 | 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 | 10.0 | MPN/100mL | 10.0 | 10 | 02/01/21 12:20 | 02/02/21 12:10 | | N2 |

| Sample: Stedman's Landing | | Lab ID: 20189082003 | Collected: 02/01/21 08:10 | Received: 02/01/21 11:10 | 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 | 52.0 | MPN/100mL | 10.0 | 10 | 02/01/21 12:20 | 02/02/21 12:10 | | N2 |

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QUALITY CONTROL DATA

Project: Bay Sampling 2/1/21

Pace Project No.: 20189082

QC Batch: 215031

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: 20189082001, 20189082002, 20189082003

METHOD BLANK: 1009850

Matrix: Water

Associated Lab Samples: 20189082001, 20189082002, 20189082003

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|-------------|-----------|--------------|-----------------|----------------|------------|
| Enterococci | MPN/100mL | ND | 1.0 | 02/02/21 12:10 | 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 2/1/21

Pace Project No.: 20189082

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 2/1/21

Pace Project No.: 20189082

| Lab ID | Sample ID | QC Batch Method | QC Batch | Analytical Method | Analytical Batch |
|-------------|------------------------|------------------------|----------|------------------------|------------------|
| 20189082001 | Bayfront Park | Enterolert/Quanti-Tray | 215031 | Enterolert/Quanti-Tray | 215097 |
| 20189082002 | Lake Forest Yacht Club | Enterolert/Quanti-Tray | 215031 | Enterolert/Quanti-Tray | 215097 |
| 20189082003 | Stedman's Landing | Enterolert/Quanti-Tray | 215031 | Enterolert/Quanti-Tray | 215097 |

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4320 Midmost Dr Mobile AL 36609

Sample Condition Upon Receipt

Project #

CLIENT: MO-Daphne

PM: MKB

Due Date: 02/10/21

MO# : 20189082

Courier: Face Client FedEx UPS Other Tracking # _____

Custody Seal on Cooler/Box Present: [see COC] Yes No

Custody Seals intact: Yes No

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: MKB 2/11/21

| | | |
|----|--|--|
| 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 type="checkbox"/> Yes <input checked="" 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 |

Temp must be measured from temperature blank when present

Comments:

Client Notification/Resolution:

Person Contacted:

Date/Time:

Comments/Resolution: