

December 07, 2018

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

RE: Project: Bay Testing
Pace Project No.: 2089905

Dear Bobby Purvis:

Enclosed are the analytical results for sample(s) received by the laboratory on December 04, 2018. 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



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: Bay Testing
Pace Project No.: 2089905

Mobile Certification IDs

4320 Midmost Drive, Mobile, AL 36609
Alabama Certification #: 40810

Florida Certification #: E87977

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SAMPLE SUMMARY

Project: Bay Testing

Pace Project No.: 2089905

Lab ID	Sample ID	Matrix	Date Collected	Date Received
2089905001	D'Olive Bay	Water	12/04/18 08:25	12/04/18 11:10
2089905002	Bayfront Park	Water	12/04/18 08:40	12/04/18 11:10
2089905003	Stedmans Landing	Water	12/04/18 08:55	12/04/18 11:10

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SAMPLE ANALYTE COUNT

Project: Bay Testing

Pace Project No.: 2089905

Lab ID	Sample ID	Method	Analysts	Analytes Reported
2089905001	D'Olive Bay	Enterolert/Quanti-Tray	CMR	1
2089905002	Bayfront Park	Enterolert/Quanti-Tray	CMR	1
2089905003	Stedmans Landing	Enterolert/Quanti-Tray	CMR	1

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ANALYTICAL RESULTS

Project: Bay Testing

Pace Project No.: 2089905

Sample: D'Olive Bay	Lab ID: 2089905001	Collected: 12/04/18 08:25	Received: 12/04/18 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								
Enterococci	31.0	MPN/100mL	10.0	10	12/04/18 12:13	12/05/18 12:20		

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ANALYTICAL RESULTS

Project: Bay Testing

Pace Project No.: 2089905

Sample: Bayfront Park	Lab ID: 2089905002	Collected: 12/04/18 08:40	Received: 12/04/18 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								
Enterococci	10.0	MPN/100mL	10.0	10	12/04/18 12:13	12/05/18 12:20		

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ANALYTICAL RESULTS

Project: Bay Testing

Pace Project No.: 2089905

Sample: Stedmans Landing	Lab ID: 2089905003	Collected: 12/04/18 08:55	Received: 12/04/18 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								
Enterococci	ND	MPN/100mL	10.0	10	12/04/18 12:13	12/05/18 12:20		

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QUALITY CONTROL DATA

Project: Bay Testing

Pace Project No.: 2089905

QC Batch: 127630 Analysis Method: Enterolert/Quanti-Tray

QC Batch Method: Enterolert/Quanti-Tray Analysis Description: MOB Enterolert/Quanti-Tray

Associated Lab Samples: 2089905001, 2089905002, 2089905003

METHOD BLANK: 552291 Matrix: Water

Associated Lab Samples: 2089905001, 2089905002, 2089905003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Enterococci	MPN/100mL	ND	1.0	12/05/18 12:20	

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 Testing

Pace Project No.: 2089905

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 Testing

Pace Project No.: 2089905

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
2089905001	D'Olive Bay	Enterolert/Quanti-Tray	127630	Enterolert/Quanti-Tray	127707
2089905002	Bayfront Park	Enterolert/Quanti-Tray	127630	Enterolert/Quanti-Tray	127707
2089905003	Stedmans Landing	Enterolert/Quanti-Tray	127630	Enterolert/Quanti-Tray	127707

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CHAIN-OF-CUSTODY Analytical Request Document

WO#: 2089905



Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY - Affix Workorder/Login
MTJL LO

ALL SHADED AREAS

Container Preservative Type **

Lab Project Manager

Report To:
Copy To:
Email To:
Site Collection Info/Address:
State: / County/City: /
Time Zone Collected: [] PT [] MT [] CT [] ET

Customer Project Name/Number: Bay Samples
Site/Facility ID #: []
Compliance Monitoring? [] Yes [] No

Collected By (print): []
Purchased Order #: []
Turnaround Date Required: []
Rush: [] Same Day [] Next Day [] 2 Day [] 3 Day [] 4 Day [] 5 Day []
Field Filtered (if applicable): [] Yes [] No

Sample Disposal: [] Dispose as appropriate [] Return [] Archive [] Hold:
Analysis:

* Matrix Codes (insert in Matrix box below): Drinking Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start) Date	Composite End Date	Res CI	# of Ctns	Type of Ice Used:		Wet	Blue	Dry	None
							Wet	Blue				
D Olive Bay	G	GW	11-4-18 0825			1						
Bayfront Park	G	GW	12-4-18 0840			1						
Stedmans Landing	G	GW	12-4-18 0855			1						

Customer Remarks / Special Conditions / Possible Hazards:

Packing Material Used:

Radchem sample(s) screened (<500 ppm): Y N NA

Date/Time: 12-4-18 9:110
Received by/Company: (Signature) [Signature]

Date/Time: 12-4-18 9:110
Received by/Company: (Signature) [Signature]

Date/Time: []
Received by/Company: (Signature) [Signature]

Date/Time: []
Received by/Company: (Signature) [Signature]

Date/Time: []
Received by/Company: (Signature) [Signature]

Analyses

Lab Profile/Line:	Lab Sample Receipt Checklist:
Custody Seals Present/Intact Y N NA	Custody Signatures Present Y N NA
Collector Signatures Present Y N NA	Bottles Intact Y N NA
Correct Bottles Y N NA	Sufficient Volume Y N NA
Samples Received on Ice Y N NA	VDA - Headspace Acceptable Y N NA
USDA Regulated Soils Y N NA	Samples in Holding Time Y N NA
Residual Chlorine Present Y N NA	Cl Strips: Y N NA
Sample pH Acceptable Y N NA	pH Strips: Y N NA
Sulfide Present Y N NA	Lead Acetate Strips: Y N NA
LAB USE ONLY: Lab Sample # / Comments:	

SHORT HOLDS PRESENT (<72 hours): Y N N/A

Lab Tracking #: 2335458

Samples received via: FEDEX UPS Client Courier Pace Courier

Date/Time: 12-4-18 110

Date/Time: []

Date/Time: []

Date/Time: []

Date/Time: []

Lab Sample Temperature Info:

Temp Blank Received: Y N NA

Therm ID#: 1.3 oC

Cooler 1 Temp Upon Receipt: 1.3 oC

Cooler 1 Temp Corr. Factor: oC

Cooler 1 Corrected Temp: oC

Comments:

Trip Blank Received: Y N NA

HCL MeOH TSP Other

Non Conformance(s): YES / NO

Page: of:



Sample Condition Upon Receipt

4320 Midmost Dr. Mobile, AL 36609

WO#: 2089905

PM: MKB

Due Date: 12/13/18

Project #

CLIENT: MO-Daphne

Courier: Face 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: 12/13/18

Temp must be measured from temperature blank when present

Comments:

Temperature Blank Present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	1	
Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2	
Chain of Custody Complete:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3	
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4	
Sampler Name on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5	
Short Hold Time Analyses (<72 hr):	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	6	
Rush Turn Around Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7	
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8	
Sufficient Volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9	
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10	
Filtered vol. Rec. for Diss. tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11	
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12	
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	
All containers needing chemical preservation have been checked (except VOA, micro & O&G):	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	14	
All containers preservation checked found to be in compliance with EPA recommendation:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" 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 _____
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	16	
Trip Blank Present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	17	

Client Notification/Resolution:

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____