

Biological Analysis Report

NW-DIST-2020-10-02-01

Florida Department of Environmental Protection
Central Laboratory
2600 Blair Stone Road
Tallahassee, FL 32399-2400
DOH Accreditation E31780

Overflow Analyses Performed By:
Eurofins TestAmerica Pensacola
3355 McLemore Drive
Pensacola, FL 32514
DOH Accreditation E81010

Event Description: **ESC/BW BAY RUN**
Request ID: **RQ-2020-08-31-28**
Customer: **NW-DIST**
Project ID: **SMP**

Send Reports to:
FL Dept. of Environmental Protection
160 Government Center
Suite 308
Pensacola, FL 32502-5794
Attn: Cheryl Bunch

For additional information please contact
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Certified by: Puja Jasrotia, Environmental Manager

Date Certified: 09-NOV-2020 12:24



Case Narrative

Unless otherwise noted, all samples included in this report were received in accordance with protocols referenced in Chapter 62-160, Florida Administrative Code (F.A.C.). Results published in this report pertain only to the samples as submitted to, and received by the laboratory. All times in this report are adjusted to the applicable Eastern Time Zone (EST or EDT).

Results for the following analytical groups are included in this report: Chlorophyll/Grain Size/BOD, Microbiology and Overflow.

Scientific notation may be used in reporting very large or small values. Values reported using scientific notation will take the form of the following example: 1.3E+03, which is equivalent to 1.3×10^3 or 1300.

Unless otherwise noted, analytical values for soil and sediment samples are reported on a dry weight basis, and analytical values for waste and tissue samples are reported on a wet weight basis.

Results for TNI accredited tests met requirements established by The NELAC Institute. A double asterisk (**) is used to indicate an analyte/matrix/method for which the laboratory is not TNI accredited by the Florida Department of Health Environmental Laboratory Certification Program or where accreditation for that field of testing is not applicable.

Any significant anomalies or deviations from established protocols are documented in Non-Conformance Reports, which, where appropriate, are included within this analytical report. Additional comments related to specific analytical tests may be included as remarks following the analytical results for each sample. Such comments and remarks are for informational purposes only and are not intended to convey judgement about the usability of the reported data.

A quality control report on the performance of the test method for the submitted samples is included. Uncertainty associated with the analytical results contained in this report can be estimated from the reported quality assurance results and from published quality control acceptance limits for each analytical test. Matrix quality control results (matrix spike recoveries and matrix sample precision) pertain only to the matrix sample tested and do not necessarily reflect test method performance for other samples.

Typical matrix quality control (QC) measurements may include matrix spike recovery, matrix spike duplicate recovery, matrix spike precision and matrix sample precision. Not all matrix QC results may be available or reportable; where they are not an explanation is provided. Typical reasons for unavailable QC results include, but are not limited to, a) insufficient matrix sample to perform some or all QC measurements; b) analyte concentration in the sample replicated was too low for a meaningful measurement of precision and c) analyte concentration in the matrix sample spiked was too high (relative to

Sample Location: Blackwater River Upstream Of Russell Harbor **Collection Date/Time: 10/01/2020 10:38**

Field ID: G4NW0508

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2199559	SM 9223 Quanti-Tray	Escherichia Coli-Quanti-Tray	37.8	AQ	MPN/100 mL	P388297	

Sample Location: Blackwater Bay Center **Collection Date/Time: 10/01/2020 12:18**

Field ID: G4NW0509

Matrix: W-SURF-SLT

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Codes
2199560	Enterolert/QT	Enterococci-Quanti-Tray	10.0	UQ	MPN/100 mL	P388297	
2199562	SM 9222 D	Fecal Coliforms-Membrane Filter	24.0	B	cfu/100 mL		

Ref. Method and Comment:

Enterolert/QT: Precision data is unavailable due to the small amount of analyte in the QC sample.

Sample Location: Blackwater Bay West Of Escribano Point **Collection Date/Time: 10/01/2**

Quality Assurance Report Method Blank Results

Reference Method: Enterolert/QT
 Batch ID: P388297

Component	Result	Code	Units
Enterococci-Quanti-Tray	1.0	U	MPN/100 mL

Reference Method: SM 10200 H (mod.)
 Batch ID: P388393

Component	Result	Code	Units
Chlorophyll-a, Corrected	0.82	U	ug/L
Chlorophyll-a, Uncorrected	0.60	U	ug/L
Phaeophytin-a	0.90	U	ug/L

Reference Method: SM 9223 Quanti-Tray
 Batch ID: P388297

Component	Result	Code	Units
Escherichia Coli-Quanti-Tray	1.0	U	MPN/100 mL

Quality Assurance Report Laboratory Control Sample Accuracy

Reference Method: SM 10200 H (mod.)
 Batch ID: P388393

Component	% Rec.1	% Rec.2	Pass/Fail	Control Limits
Chlorophyll-a, Corrected	98.8			

Reference Method Descriptions

Method	Description	<u>Associated Samples</u>
Enterolert/QT	Enterococci by Enterolert Quanti-Tray method - non-chlorinated water systems	2199557, 2199558, 2199560, 2199561
SM 10200 H (mod.)	Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry	2199555, 2199556
SM 9222 D	Fecal coliforms by MF by Test America in Pensacola	2199562, 2199563
SM 9223 Quanti-Tray	Escherichia coli by Colilert 18 Quanti-Tray method - non-chlorinated water systems	2199559

Preparation and Analysis Log

Ref. Method	Received Date	Prep Date/Time	Prepared By	Analysis Date/Time	Analyzed By	Associated Samples
Enterolert/QT	10/02/2020	10/02/2020 11:34	Jessica Fetgatter	10/03/2020 13:15	Jessica Sherman	2199557, 2199558, 2199560, 2199561
SM 10200 H (mod.)	10/02/2020	10/02/2020 13:16	Jessica Sherman	10/07/2020 08:40	Jessica Fetgatter	2199555, 2199556
SM 9222 D	10/01/2020	10/01/2020 20:00		10/01/2020 21:50	TestAmerica Pensacola	2199562, 2199563
SM 9223 Quanti-Tray	10/02/2020	10/02/2020 16:16	Jessica Fetgatter	10/03/2020 13:15	Jessica Sherman	2199559