

Biological Analysis Report

NW-DIST-2015-05-08-01

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

Overflow Analyses Performed By:
University of West Florida
11000 University Parkway
Pensacola, FL 32514
DOH Accreditation E71969

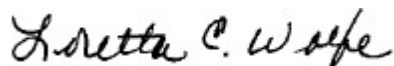
Event Description: **PNJ Bacteria Only**
Request ID: **RQ-2015-05-04-67**
Customer: **NW-DIST**
Project ID: **DISTRICT**

Send Reports to:
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160 Government Center
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Certified by: Loretta E. Wolfe, Environmental Manager

Date Certified: 22-MAY-2015 13:50



Abbreviations and data remark codes

CERT # - NELAP (National Environmental Laboratory Accreditation Program) Certification Number of the laboratory that performed the analysis.

LCS – Laboratory Control Sample; in the QC Failures column, this notation indicates a batch recovery failure.

MS – Matrix Spike; in the QC Failures column, this notation indicates a batch recovery failure.

RPD – Relative Percent Difference; in the QC Failures column, this notation indicates a batch failure for precision.

CCV – Continuing Calibration Verification; in the QC Failures column, this notation indicates a failure of the calibration verification check sample.

SUR – Surrogate; in the QC Failures column, this notation indicates a recovery failure for the associated surrogate.

RSD – Relative Standard Deviation expressed as a percentage.

SMP – Sample.

** - The laboratory is not NELAP certified for this analyte/method, or certification is not applicable.

A - Value reported is the mean of two or more determinations

B - Results based on colony counts outside the acceptable range.

I - The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.

J - Estimated value and/or the analysis did not meet established quality control criteria

K - Actual value is known to be less than value given

L - Actual value is known to be greater than value given

N - Presumptive evidence of presence of material.

O - Sampled, but analysis lost or not performed.

Q - Sample held beyond normal holding time.

T - Value reported is less than the criterion of detection.

U - Material was analyzed for but not detected. The reported value is the method detection limit for the sample analyzed.

V - Analyte was detected in both sample and method blank.

X - Too few individuals to calculate SCI value.

Y - The laboratory analysis was from an unpreserved or improperly preserved sample. The data may not be accurate

Z - Colonies were too numerous to count (TNTC).

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.

Precision is reported as relative percent difference unless otherwise noted.

Uncertainty associated with the analytical results contained in this report can be estimated from the reported quality assurance results and from published test performance acceptance criteria.

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.

All sample collection performed by Bureau of Laboratories staff followed the field Standard Operating Procedures adopted by reference in Rule 62-160 FAC unless otherwise noted.

Quality control information from overflow laboratories may not be included in this report. Please refer to the associated report from the overflow laboratory for additional information.

Results for NELAP accredited tests contained in this report meet the requirements specified by the National Environmental Laboratory Accreditation Conference (NELAC). All samples received were in acceptable condition and met NELAC requirements unless otherwise noted. Results generated in this report pertain to the samples collected and submitted for analysis.

All times in this report are adjusted to the applicable Eastern Time Zone (EST or EDT).

Sample Location: Blackwater River**Collection Date/Time: 05/05/2015 12:45****Field ID: #9**

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Failures
1699136	EPA 1600 (MF)	Enterococci-Membrane Filter	12	B	cfu/100 mL		
	SM 9222 D	Fecal Coliforms-Membrane Filter	18	B	cfu/100 mL		

Sample Location: Pond Creek**Collection Date/Time: 05/05/2015 11:40****Field ID: #10**

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Failures
1699137	EPA 1600 (MF)	Enterococci-Membrane Filter	26	B	cfu/100 mL		
	SM 9222 D	Fecal Coliforms-Membrane Filter	76		cfu/100 mL		

Sample Location: Coldwater Creek @ Hwy 191**Collection Date/Time: 05/05/2015 12:12****Field ID: #11**

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Failures
1699138	EPA 1600 (MF)	Enterococci-Membrane Filter	22	B	cfu/100 mL		
	SM 9222 D	Fecal Coliforms-Membrane Filter	15	B	cfu/100 mL		

Sample Location: Escambia Bay**Collection Date/Time: 05/05/2015 11:05****Field ID: #12**

Matrix: W-SURF-SLT

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Failures
1699139	EPA 1600 (MF)	Enterococci-Membrane Filter	34	B	cfu/100 mL		
	SM 9222 D	Fecal Coliforms-Membrane Filter	16	B	cfu/100 mL		

Sample Location: Escambia River (Mackey Cove)**Collection Date/Time: 05/05/2015 10:30****Field ID: #20**

Matrix: W-SURF-SLT

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Failures
1699140	EPA 1600 (MF)	Enterococci-Membrane Filter	26	B	cfu/100 mL		
	SM 9222 D	Fecal Coliforms-Membrane Filter	48		cfu/100 mL		

Sample Location: Pensacola Bay Wayside Park**Collection Date/Time: 05/05/2015 10:30****Field ID: #4**

Matrix: W-SURF-SLT

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Failures
1699141	EPA 1600 (MF)	Enterococci-Membrane Filter	8	B	cfu/100 mL		
	SM 9222 D	Fecal Coliforms-Membrane Filter	1	U	cfu/100 mL		

Sample Location: Pensacola Bay Ft. Pickens**Collection Date/Time: 05/05/2015 10:55****Field ID: #5**

Matrix: W-SURF-SLT

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Failures
1699142	EPA 1600 (MF)	Enterococci-Membrane Filter	6	B	cfu/100 mL		
	SM 9222 D	Fecal Coliforms-Membrane Filter	8	B	cfu/100 mL		

Sample Location: Santa Rosa Sound at Navarre**Collection Date/Time: 05/05/2015 12:10**

Field ID: #8

Matrix: W-SURF-SLT

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Failures
1699143	EPA 1600 (MF)	Enterococci-Membrane Filter	2	U	cfu/100 mL		
	SM 9222 D	Fecal Coliforms-Membrane Filter	1	B	cfu/100 mL		

Sample Location: SRS at Oriole Beach

Collection Date/Time: 05/05/2015 11:20

Field ID: #13

Matrix: W-SURF-SLT

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Failures
1699144	EPA 1600 (MF)	Enterococci-Membrane Filter	26	B	cfu/100 mL		
	SM 9222 D	Fecal Coliforms-Membrane Filter	24	B	cfu/100 mL		

Sample Location: Perdido Bay at Bay Forest Dr

Collection Date/Time: 05/05/2015 08:45

Field ID: #14

Matrix: W-SURF-SLT

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Failures
1699145	EPA 1600 (MF)	Enterococci-Membrane Filter	10	B	cfu/100 mL		
	SM 9222 D	Fecal Coliforms-Membrane Filter	7	B	cfu/100 mL		

Sample Location: East Bay at Redfish Cove

Collection Date/Time: 05/05/2015 11:40

Field ID: #17

Matrix: W-SURF-SLT

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Failures
1699146	EPA 1600 (MF)	Enterococci-Membrane Filter	4	B	cfu/100 mL		
	SM 9222 D	Fecal Coliforms-Membrane Filter	2	B	cfu/100 mL		

Sample Location: Perdido Bay at Pale Moon

Collection Date/Time: 05/05/2015 09:30

Field ID: #18

Matrix: W-SURF-SLT

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Failures
1699147	EPA 1600 (MF)	Enterococci-Membrane Filter	4	B	cfu/100 mL		
	SM 9222 D	Fecal Coliforms-Membrane Filter	1	U	cfu/100 mL		

Sample Location: Intracoastal at Galvez

Collection Date/Time: 05/05/2015 09:50

Field ID: #19

Matrix: W-SURF-SLT

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Failures
1699148	EPA 1600 (MF)	Enterococci-Membrane Filter	12	B	cfu/100 mL		
	SM 9222 D	Fecal Coliforms-Membrane Filter	6	B	cfu/100 mL		

Reference Method Descriptions

Method / NELAC Cert. #	Description
EPA 1600 (MF) / E71969	Enterococci by membrane filter method by UWF Overflow Laboratory for NWD
SM 9222 D / E71969	Fecal coliforms by membrane filter method by UWF Overflow Laboratory for NWD

Associated Samples

1699136, 1699137, 1699138, 1699139,
1699140, 1699141, 1699142, 1699143,
1699144, 1699145, 1699146, 1699147,
1699148
1699136, 1699137, 1699138, 1699139,
1699140, 1699141, 1699142, 1699143,
1699144, 1699145, 1699146, 1699147,
1699148

Preparation and Analysis Log

Ref. Method	Received Date	Prep Date/Time	Prepared By	Analysis Date/Time	Analyzed By	Associated Samples
EPA 1600 (MF)	05/05/2015			05/05/2015 13:49	UWF Lab	1699141
	05/05/2015			05/05/2015 13:52	UWF Lab	1699142
	05/05/2015			05/05/2015 13:55	UWF Lab	1699143
	05/05/2015			05/05/2015 13:58	UWF Lab	1699144
	05/05/2015			05/05/2015 14:01	UWF Lab	1699145
	05/05/2015			05/05/2015 14:07	UWF Lab	1699146
	05/05/2015			05/05/2015 14:10	UWF Lab	1699147
	05/05/2015			05/05/2015 14:13	UWF Lab	1699148
	05/05/2015			05/05/2015 15:09	UWF Lab	1699136
	05/05/2015			05/05/2015 15:12	UWF Lab	1699137
	05/05/2015			05/05/2015 15:15	UWF Lab	1699138
	05/05/2015			05/05/2015 15:18	UWF Lab	1699139
	05/05/2015			05/05/2015 15:21	UWF Lab	1699140
	05/05/2015			05/05/2015 13:59	UWF Lab	1699141
SM 9222 D	05/05/2015			05/05/2015 14:02	UWF Lab	1699142
	05/05/2015			05/05/2015 14:06	UWF Lab	1699143
	05/05/2015			05/05/2015 14:09	UWF Lab	1699144
	05/05/2015			05/05/2015 14:13	UWF Lab	1699145
	05/05/2015			05/05/2015 14:21	UWF Lab	1699146
	05/05/2015			05/05/2015 14:25	UWF Lab	1699147
	05/05/2015			05/05/2015 14:28	UWF Lab	1699148
	05/05/2015			05/05/2015 14:51	UWF Lab	1699136
	05/05/2015			05/05/2015 14:57	UWF Lab	1699137
	05/05/2015			05/05/2015 15:00	UWF Lab	1699138
	05/05/2015			05/05/2015 15:04	UWF Lab	1699139
	05/05/2015			05/05/2015 15:09	UWF Lab	1699140