

Biological Analysis Report

SO-DIST-2015-05-20-01

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

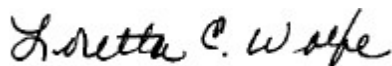
Event Description: **Algal Bloom Response - As needed**
Request ID: **RQ-2015-05-18-77**
Customer: **SO-DIST**
Project ID: **BLOOM-RESP**

Send Reports to:
FL Dept. of Environmental Protection
FLDEP South District Office
2295 Victoria Ave. Suite 364
Fort Myers, FL 33901-3381
Attn: Kirby Wolfe

For additional information please contact
David D. Whiting - Administrator
J. Marshall Faircloth - Aquatic Toxicology
Elizabeth Miller - Bench Biology
Jacqueline Savage - Microbiology
Loretta Wolfe - Molecular Biology
Cheryl Swanson - Taxonomy (Invertebrate & Algal)
Thekkekalathil Chandrasekhar, PhD, QA Officer
Phone (850) 245-8177

Certified by: Loretta E. Wolfe, Environmental Manager

Date Certified: 17-JUN-2015 15:05



NON-CONFORMANCE REPORT INCLUDED

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: FRANKLIN LOCK AND DAM

Collection Date/Time: 05/19/2015 14:55

Field ID: 051915-1/BLOOM ID -1

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Failures
1702775	SOP-AB05	Dominant sample taxon**	No Result				

Ref. Method and Comment:

SOP-AB05: There was no clear dominant taxon in the sample.

Sample Location: FRANKLIN LOCK AND DAM

Collection Date/Time: 05/19/2015 14:55

Field ID: 051915-1

Matrix: W-SURF-FRH

Sample ID	Ref. Method	Component	Result	Code	Units	Batch ID	QC Failures
1702777	SOP-AB05	Phytoplankton-Quantitative-# Wet Taxa**	25		#Taxa		
	SOP-AB05_1	Phytoplankton-Quantitative-#Diatom Taxa**	39		#Taxa		

Non-Conformance Report

NCR ID: 5407

Event(s)

SO-DIST-2015-05-20-01

Job(s)

TLH-2015-05-20-14

Sample(s)

Test(s)

NCR Type: SHIPPING/RECEIVING

NCR Category: Receiving

Observation: One brown 1 Liter plastic bottle received labeled for DTY-QN-C, PKD-QN-C analysis. Container list on the 2nd page of sample submittal form indicates one brown 1 Liter plastic bottle shipped for CHLSUITE-W analysis.

Resolution: Customer contacted (Julie Neurohr) and biology supervisor notified (Liz Miller).
Sample logged in for CHLSUITE-W analysis per Liz Miller.

Update:

Sample for CHLSUITE-W cancelled and container has been logged in for DTY-QN-C, PKD-QN-C analysis, per Erin Rasnake.

Authorised by/Date: Kathryn Holland 5/20/2015

The Non-Conformance Report details exceptions or problems encountered with the events/jobs/samples/test.
Please address questions to:

Chemistry Tim Fitzpatrick (850) 245-8085
Biology David D. Whiting (850) 245-8177

Reference Method Descriptions

Method / NELAC Cert. #	Description	Associated Samples
SOP-AB05 / E31780	Assessment of dominant algal taxa in bloom or mat sample	1702775
SOP-AB05 / E31780	No. of wet taxa of quantitative phytoplankton sample.	1702777
SOP-AB05_1 / E31780	No. of diatom taxa of quantitative phytoplankton sample.	1702777

Preparation and Analysis Log

Ref. Method	Received Date	Prep Date/Time	Prepared By	Analysis Date/Time	Analyzed By	Associated Samples
SOP-AB05	05/20/2015			05/20/2015	Maosen Hua	1702775
	05/20/2015	05/20/2015	Cathy Sherrer	05/27/2015	Maosen Hua	1702777
SOP-AB05_1	05/20/2015	06/10/2015	Isaura Lorenzo-Perez	06/12/2015	Isaura Lorenzo-Perez	1702777