

Florida Department of Environmental Protection
Central Laboratory Submittal Form

Lee County Algae Sampling

last revised Apr 7, 2016

Customer: WQAP

Requester: Kirby Wolfe

Field Report Prepared By:

Project ID: BLOOM-RESP

Collected By:

Sue Davis

Sampling Agency: Lee County

Location Alva Boat Ramp		☐ Comp ☒ Grab		Collection (comp begin or grab) Date 7/21/2016 Time 1020		Eastern Central	Composite end Date _____ Time _____		Bottle Group(s) (See pg 2) A, B, C
Field ID		Matrix (type, e.g., Salt, Fresh, etc) Freshwater		Diss. Oxygen 3.22		☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L) —		
STORET #		Temp (C) 30.47		pH 7.22		Sample Depth 0.3	☐ ft ☒ m	Sp. Conductance (umho/cm) 371	
Latitude 26.71372	☐ dd ☐ dms	Longitude -81.60599	☐ dd ☐ dms	Salinity (ppt) 0.17		Comments Sparse visible algae			
Location Franklin Locks, Upstream		☐ Comp ☒ Grab		Collection (comp begin or grab) Date 7/21/2016 Time 1050		Eastern Central	Composite end Date _____ Time _____		Bottle Group(s) A, B, C
Field ID		Matrix (type, e.g., Salt, Fresh, etc) Fresh		Diss. Oxygen 3.70		☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L) —		
STORET #		Temp (C) 30.96		pH 7.26		Sample Depth 0.3	☐ ft ☒ m	Sp. Conductance (umho/cm) 385	
Latitude 26.72117	☐ dd ☐ dms	Longitude -81.69328	☐ dd ☐ dms	Salinity (ppt) 0.18		Comments Sparse visible algae			
Location Davis Boat Ramp		☐ Comp ☒ Grab		Collection (comp begin or grab) Date 7/21/2016 Time 1130		Eastern Central	Composite end Date _____ Time _____		Bottle Group(s) A, B, C
Field ID		Matrix (type, e.g., Salt, Fresh, etc) Fresh		Diss. Oxygen 5.22		☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L) —		
STORET #		Temp (C) 31.76		pH 7.41		Sample Depth 0.3	☐ ft ☒ m	Sp. Conductance (umho/cm) 418	
Latitude 26.71128	☐ dd ☐ dms	Longitude -81.75329	☐ dd ☐ dms	Salinity (ppt) 0.19		Comments Sparse visible algae			
Location MidPoint Bridge @ Park		☐ Comp ☒ Grab		Collection (comp begin or grab) Date 7/21/2016 Time 1230		Eastern Central	Composite end Date _____ Time _____		Bottle Group(s) A, B, C
Field ID		Matrix (type, e.g., Salt, Fresh, etc) Fresh		Diss. Oxygen 6.33		☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L) —		
STORET #		Temp (C) 30.77		pH 7.80		Sample Depth 0.3	☐ ft ☒ m	Sp. Conductance (umho/cm) 476	
Latitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Salinity (ppt) 0.23		Comments Sparse visible algae			

Relinquished By: <i>Sue Davis</i>	Date/Time 7/21/2016 @ 1600	Shipping Method FEDEX	Number of Coolers Shipped: 1	Received By: CR	Date/Time 7/22/16 9:35
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Group: A	Bottle Type:	PT-50ML	# of Bottles: 6	Preservative:	ICE	Enter Number of Bottles Sent to Lab <u>4</u>
	BLOOM-ID					
Group: B	Bottle Type:	BG-WD250	# of Bottles: 6	Preservative:	ICE	Enter Number of Bottles Sent to Lab <u>4</u>
	W-MCYST-AA					
Group: C	Bottle Type:	BP-1L	# of Bottles: 6	Preservative:	ICE	Enter Number of Bottles Sent to Lab <u>4</u>
	CHLSUITE-W					

* We did not sample sites with clear water (no visible algae)

Log-in Checklist

RQ- 2016-07-18-51

Shipping Method: Fedex

Date/Time of Receipt: 7/22/16 9:35

Cooler ID	Cooler Temperature*	No. Sample Containers in Cooler	Evidence Tape				Tracking # (fill out only if waybill copy is damaged)
			Present?		*Intact?		
			Yes	No	Yes	No	
Red	2.3	12		✓			8103 9283 2113

*If the temperature of a cooler is above 6.0 °C (or above 10.0 °C for W-1-4-DIOX), or if Evidence Seal is damaged, identify the containers in the affected cooler(s) on back of this form.

****Note:** If "No" is checked in any of the fields below, fill out the back of this form with additional details (Field ID, Test IDs, etc.) and generate an NCR.

**Chain of Custody/ Field Sheet(s) Included? Yes ☒ No ☐

CONTAINER CHECK

**Evidence Tape on Bottles? Yes ☐ No ☒ If yes, is it intact? Yes ☐ No ☐

**Caps on tight? Yes ☒ No ☐ **Containers intact? Yes ☒ No ☐

**Sufficient Sample Volume: Yes ☒ No ☐

CHLORINE CHECK (Blue dot on container)

Check the Box marked "Yes" or "No" for the Presence of Chlorine. If Cl detected, an NCR is required.					
Analysis	Yes	No	Analysis	Yes	No
W-1,4 DIOX			W-PC-AA-SF		
W-AHERB-AA (-AHB-AA-R)			W-PCL-SQ (-R)		
W-BNA (-625, -R)			W-PDQUAT		
W-CARB-AA (-CAB-AA-R)			W-PESTNP-R		
W-ENDO-AA			W-PSCL-TQ		
W-GLYPH			W-PSNP-TQ		
W-NP-AA-SF			W-PST-CL-R		
W-PAH (-R)			W-TR-TQ		
W-PCB-R					

PRESERVATION CHECK (EXCLUDING SAMPLES SENT TO OVERFLOW LABS, "OV-")

**Acid Preserved Samples: pH ≤ 2.0? Yes ☐ No ☐ NA ☒ Init: c

**W-1-4-DIOX (Green dot on container) preserved to pH < 4.0? Yes ☐ No ☐ NA ☒ Init: c

Coolers Unpacked/Checked by: c Date: 7/22/16 NCRs (Y/N)? N

Event ID: WQAP-2016-07-22-01 NCR #

Log-in Checklist

Samples with Incorrect pH Preservation or presence of Chlorine

Field ID	Bottle Test ID(s)	pH / Cl	Action Taken

Samples in Coolers with Incorrect Preservation or Damaged Evidence Tape

Cooler ID	Field ID	Bottle Test ID(s)

Bottles Not Intact

Field ID	Bottle Test ID(s)	Loose Cap	Damaged Cap		Damaged Container		Evidence Tape Not Intact
			CK	BR	CK	BR	

Samples with Insufficient Volume for Analyses

Field ID	Bottle Test ID(s)	Action Taken

ENCORE SAMPLES

S-VOC-MS samples in Encores must be frozen within 48 hours of collection.

Were Encore samples received? Yes ☐ No ☒

Date and time placed in freezer _____

Were all samples placed in freezer within 48 hours of collection? Yes ☐ No ☐

If no, were samples shipped on dry ice? Yes ☐ No ☐

FOR CLEAN LAB USE ONLY – Total Mercury Preservation Check (W-HG-AF; W-HG-AF-F):

Samples preserved within 48 hours? Yes ☐ No ☐

Date and time samples preserved: _____

Additional Comments:

Date of Request: 07-JUL-2016
 Created By: WOLFE_K On: 07-JUL-2016
 Modified By: MATTHEWS_D On: 07-JUL-2016
 Customer: WQAP
 Project: BLOOM-RESP
 Division: Division of Environmental Assessment and Restoration
 District:
 Sampling Event: Lee County Algae Sampling

Send Coolers To:

Phone: (239) 533-8600
 Lee County Environmental Lab
 60-2 Danley Dr.
 Ft Myers, FL 33907
 Attn: Sue Davis

Program Module Number:

Priority: 1

Event Status: S

Criminal Investigation: NO

Chemistry Request Reviewed By: WATTS_J On: 07-JUL-2016

Biology Request Reviewed By: MATTHEWS_D On: 07-JUL-2016

Sampling Kit Required: YES Ship on: 13-JUL-2016

Sampling Kit Shipped: YES On: 12-JUL-2016

Sampling Kit Packed By: BOWDEN_M

Preservatives Needed: NO

Date to Receive Samples: 18-JUL-2016

Received By:

Send Final Report To:

2295 Victoria AVE
 Suite 364
 Fort Myers, FL 33901
 Attn: Kirby Wolfe

Report Type: Final Only

FTP Data: NO

QC Report: YES

Date Log: NO

Authorization Log: NO

Comments: Analyze toxin upon receipt after consultation with Biology's Taxonomy Manager.

Bottle Groups A/B - separate event, priority 1
 Bottle Groups C- separate event, priority 3

Bottle Group A - Priority 1
 For algal dominant taxon.
 Bottle Group B - Priority 1
 For toxin testing.
 Bottle Group C - Priority 3
 For Phytoplankton

There are 6 sets of bottles per Group in case multiple sample targets or sample locations are needed. Samplers use best professional judgement to decide which samples are appropriate to collect for a particular response (water column only or combo of water column and scum). All sets of bottles do not have to be filled at one time.

Bottle Group A (Biological) With 6 Samples:

Bottle Type: PT-50ML Number of Bottles: 6 Preserved With: ICE
 BLOOM-ID Template: DEFAULT (SOP-AB05) Assessment of dominant algal taxa in bloom or mat sample

Bottle Group B (Water) With 6 Samples:

Bottle Type: BG-WD250 Number of Bottles: 6 Preserved With: ICE
 W-MCYST-AA Template: DEFAULT (EPA 8321B) Microcystins in water matrices by HPLC/MS/MS

Bottle Group C (Water) With 6 Samples:

Bottle Type: BP-1L Number of Bottles: 6 Preserved With: ICE
 CHLSUITE-W Template: DEFAULT (SM 10200 H (mod.)) Phytoplankton chlorophyll-a corrected, uncorrected, phaeophytin and ratio by spectrophotometry

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