Log-in Checklist

RQ- 2019 - 06 - 17 - 43 Login Station ID: # 3

Shipping Method: FedEx | UPS | HD | Greyhound Date/Time of Receipt: 08-21-2018 / 10:00

Cooler Temperature*	Samples Frozen	* All Samples in Cooler Preserved with		Number of Sample Containers in Cooler	Evidence Tape				Tracking # Damaged waybills only
					Present?		*Intact?		
	YES	HNO_3	Formalin		Yes	No	Yes	No	
3.1C				6		Y			4751 8780 6736

* HNO3 and Formalin persevered samples do NOT have a temperature requirement. For all others, if the temperature of a cooler is above 6.0 °C (or above 10.0 °C for W-1-4-DIOX and microbiology), or if Evidence Seal is damaged. Identify the containers in the affected cooler(s) on back of this form. **DOH coolers can exceed 2.0 °C above the standard temperature (6.0 or 10.0 °C) without login confirmation from customer for samples requiring ice preservation. An NCR still is required.**

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

Micro-Biology Overflow Chain of Custody/ Field Sheet(s) Included? Yes No X

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

CONTAINER CHECK

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

**Caps on tight? Yes X No **Containers intact? Yes X No

**Sufficient Sample Volume: Yes X No

CHLORINE CHECK REQUIRED? (Blue dot on container) Yes No Y Init: ABS

Chlorine detected? (One container checked per Field ID) Yes No Init: ABS

If "YES", list affected Field IDs and Test IDs below.

Field ID	List TestID(s) where Chlorine was Detected, an NCR is required.

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

**Acid Preserved Samples: pH≤ 2.0? Yes X No NA Init: ABS

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

Coolers Unpacked/Checked by: ABS **Date:** 08-21-2019 **NCRs (Y/N)?** —

Event ID: Algal Bloom Response - As needed
WQAP-2019-08-21-02 (BLOOM-RESP) **NCR #**

Log-in Checklist

Samples with Incorrect pH Preservation

Field ID	Bottle Test ID(s)	pH	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

Infrared Thermometer ID:	REC 03 2018 EXP:04/29/2020
pH Test Strips 0 – 6 Lot #	213316AV EXP:05/15/2020
pH Paper 0 – 3 Lot #	220416A EXP:07/30/2020
pH Paper 0 – 13 Lot #	215517 exp:jun 1 2020
Chlorine Test Strips Lot #	8212 2021 / 05

Additional Comments:

ENCORE SAMPLES

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

Were Encore samples received? Yes_____ No__X__

Date and time placed in freezer _____

Were all samples placed in freezer within 48 hours of collection? Yes_____ If no, were samples shipped on dry ice? Yes_____ No_____ 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: _____

Request Number: RQ-2019-06-17-43

Algal Bloom Response - As needed

Florida Department of Environmental Protection
Central Laboratory Submittal Form

last revised Jan 25, 2018

Customer: WQAP

Project ID: BLOOM-RESP

Requester: Kirby Wolfe

Collected By: Melynda Brown

Field Report Prepared By: Melynda Brown

Sampling Agency: DEP-CHAP

Location: 711 Rio Villa Dr.	☐ Comp ☑ Grab	Collection (comp begin or grab) Date 8/20/19 Time 13:00 Eastern / Central	Composite end Date / Time	Bottle Group(s) (See pg 2)				
Field ID: 711 Rio Villa Dr.	Matrix (type, e.g., Salt, Fresh, etc): Salt	Diss. Oxygen: 7.20 ☑ mg/L ☐ % sat	Total Res. Chlorine (mg/L)					
WIN/STORET #	Temp (C): 30.9	pH: 8.16	Sample Depth: 0.5 ☐ ft ☑ m	Sp. Conductance (umho/cm)				
Latitude: 26.902030 ☑ dd ☐ dms	Longitude: -82.0521 ☑ dd ☐ dms	Salinity (ppt): 5.67	Comments: algae response sampling					
Location	☐ Comp ☐ Grab	Collection (comp begin or grab) Date Time Eastern / Central	Composite end Date / Time	Bottle Group(s)				
Field ID	Matrix (type, e.g., Salt, Fresh, etc)	Diss. Oxygen ☑ mg/L ☐ % sat	Total Res. Chlorine (mg/L)					
WIN/STORET #	Temp (C)	pH	Sample Depth ☑ ft ☐ m	Sp. Conductance (umho/cm)				
Latitude ☐ dd ☐ dms	Longitude ☐ dd ☐ dms	Salinity (ppt)	Comments					
Location	☐ Comp ☐ Grab	Collection (comp begin or grab) Date Time Eastern / Central	Composite end Date / Time	Bottle Group(s)				
Field ID	Matrix (type, e.g., Salt, Fresh, etc)	Diss. Oxygen ☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L)					
WIN/STORET #	Temp (C)	pH	Sample Depth ☐ ft ☐ m	Sp. Conductance (umho/cm)				
Latitude ☐ dd ☐ dms	Longitude ☐ dd ☐ dms	Salinity (ppt)	Comments					
Location	☐ Comp ☐ Grab	Collection (comp begin or grab) Date Time Eastern / Central	Composite end Date / Time	Bottle Group(s)				
Field ID	Matrix (type, e.g., Salt, Fresh, etc)	Diss. Oxygen ☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L)					
WIN/STORET #	Temp (C)	pH	Sample Depth ☐ ft ☐ m	Sp. Conductance (umho/cm)				
Latitude ☐ dd ☐ dms	Longitude ☐ dd ☐ dms	Salinity (ppt)	Comments					

Relinquished By:	Date/Time	Shipping Method	Number of Coolers Shipped:	Received By:	Date/Time
[signature]	8/20/19 13:40	Fed Ex	1	ABB	8-21-19 10:00

Group: A	Bottle Type: BLOOM-ID	PT-50ML	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab	1
Group: B	Bottle Type: W-MCYST-AA	BG-250ML-WDMTH	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab	1
Group: C	Bottle Type: CHLSUITE-W	BP-1L	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab	1
Group: C	Bottle Type: W-NH3 W-NO2NO3 W-S-A-TP W-TKN	P-500ML	# of Bottles: 2	Preservative:	ICE And H2SO4 H2SO4 LOT# SA9129100 EXP: 05/07/2020	Enter Number of Bottles Sent to Lab	1
Group: C	Bottle Type: W-PO4-F	P-125ML	# of Bottles: 2	Preservative:	FILTER-ICE	Enter Number of Bottles Sent to Lab	1
Group: D	Bottle Type: DTY-QN-C PKD-QN-C	BP-1L	# of Bottles: 2	Preservative:	Lugols	Enter Number of Bottles Sent to Lab	1

CYANOBACTERIA BLOOM RESPONSE FIELD DATA SHEET

(7-6-06 V2)

WATERBODY NAME:	DATE (M/D/YY):	TIME (AM) (PM)	Case ID#
Punta Gorda canal system	8/20/19	13:00	

LOCATION	COUNTY:	NEAREST TOWN/CITY:
711 Rio Villa Dr. Punta Gorda	Charlotte	Punta Gorda

Visit Type: Initial ☑ Recon ☐ Sampling ☐ Follow-up ☐

Samples collected: ☑ yes ☐ no

Samples submitted to: DEP lab

Photos Taken: ☑ yes ☐ no

Sample collection method: Single Grab: ☑ Grab Composite: ☐ Depth integrated composite: ☐

Sample & Analysis types: Aqueous: ☑ Surface Scum: ☐ Benthic mat: ☐ Tissue: ☐

Algal ID & enumeration: ☐ Nutrients: ☐ Chl-a: ☐ AGP: ☐ Turbidity: ☐ Toxin: ☐ Specify _____

Estimated size of bloom: small patch by dock

Impounded: ☐ yes ☐ no

Lake/Estuary Typical depth: _____ m deep

Inflows: ☐ yes ☐ no

Outflows: ☐ yes ☐ no

Stream/River/Canal: 50 m wide

Typical Transect: _____ m deep | _____ m deep | _____ m deep

Water velocity: _____ m/s | _____ m/s | _____ m/s

Left bank | Middle | Right bank

Canopy Cover: Open: ☑ Lightly Shaded (11-45%): ☐ Moderately Shaded (46-80%): ☐ Heavily Shaded: ☐

Description of Bloom/ Present Weather conditions

East wind 3-5 mph
outgoing tide

sampled bloom by dock 3m x 5m
larger bloom @ end of canal 20m x 10m
green algae color dispersed in water column - in striations

Latitude: 26.902030 (Degrees Minutes Seconds)

Longitude: -82.0521 (Degrees Minutes Seconds)

Last rain event: 8/19/19

Rainfall amount: 0.5"?

Print a map from GIS tool or Internet mapping service (e.g., Mapquest, Google Map)

Sketch bloom area on the attached map. Indicate wind direction.

WATER QUALITY	Depth (m):	Temp. (°C):	pH (SU):	D.O. (mg/l):	Cond. (µmho/cm) or Salinity (ppt):			Secchi (m)
Top	0.5	30.9	8.16	7.20	5.67 ppt			0.6
Mid-depth								
Bottom	1.0	30.8	8.20	6.35	5.68 ppt			

System Type: Stream: ☐ (1st - 2nd order, 3rd - 4th order, 5th - 6th order, 7th order or greater) Lake: ☐ Wetland: ☐ Estuary: ☐ Other: ☐ _____

Water Odors (check box): Normal: ☑ Sewage: ☐ Petroleum: ☐ Chemical: ☐ Other: ☐ _____

Water Surface (check box): Clear: ☐ Scum: ☐ Globs: ☐ Slick: ☐

Water Clarity (check box): Clear: ☐ Slightly ☑ Turbid: ☐ Opaque: ☐

Bloom Color (check box): Green: ☑ Red: ☐ Brown: ☐ Other: ☐ _____

Notes

Abundance:	Absent	Rare	Common	Abundant
Periphyton	☐	☐	☐	☐
Fish	☐	☐	☐	☐
Aquatic Macrophytes	☐	☐	☐	☐
Iron/sulfur Bacteria	☐	☐	☐	☐

VISIT TEAM: Melynda Brown, Abrianna Sadler | AGENCY: DEP Charlotte Harbor AP

RQ-2019-06-17-43

Date of Request: 11-JUN-2019
Created By: WOLFE_K On: 11-JUN-2019
Modified By: JASROTIA_P On: 12-JUN-2019
Customer: WQAP
Project: BLOOM-RESP
Division: Office of Coastal and Aquatic Managed Areas
District:
Sampling Event: Algal Bloom Response - As needed

Send Coolers To:

Phone: 941-575-5861
FDEP- Charlotte Harbor Aquatic Preserves
12301 Burnt Store Rd
Punta Gorda, FL 33955
Attn: Melynda Brown

Send Final Report To:

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

Program Module Number:
Priority: 1
Event Status: R
Criminal Investigation: NO
Chemistry Request Reviewed By: WATTS_J On: 12-JUN-2019
Biology Request Reviewed By: JASROTIA_P On: 12-JUN-2019
Sampling Kit Required: YES Ship on: 17-JUN-2019
Sampling Kit Shipped: YES On: 17-JUN-2019
Sampling Kit Packed By: SHAIK_A
Preservatives Needed: YES
Date to Receive Samples: 17-JUN-2019
Received By: SHAIK_A On: 21-AUG-2019

Report Type: Final Only
FTP Data: NO
QC Report: YES
Date Log: NO
Authorization Log: NO

Comments: Unless peak algal bloom season, may analyze toxin after consultation with Biology's Taxonomy Manager.

2 - vials of sulfuric acid/4 labels

Bottle Groups A/B/C - separate event, priority 1
Bottle Group D- separate event, priority 12

Bottle Group A - Priority 1
For algal dominant taxon.

Bottle Group B - Priority 1
For toxin testing.

Bottle Group C - Priority 1
Water quality testing-nutrients and chlorophyll

Bottle Group D - Priority 12
For algal full ID.

There are multiple 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. All sets of bottles do not have to be filled at one time.

Please print two copies of algal job labels at login

Bottle Group A (Biological) With 2 Samples:

Bottle Type: PT-50ML Number of Bottles: 2 Preserved With: ICE
BLOOM-ID Template: DEFAULT (SOP-AB05) Assessment of dominant algal taxa in bloom or mat sample

Bottle Group B (Water) With 2 Samples:

Bottle Type: BG-250ML-WDMTH Number of Bottles: 2 Preserved With: ICE
W-MCYST-AA Template: DEFAULT (EPA 8321B) Microcystins in water matrices by HPLC/MS/MS

Bottle Group C (Water) With 2 Samples:

Bottle Type: BP-1L Number of Bottles: 2 Preserved With: ICE
CHLSUITE-W Template: DEFAULT (SM 10200 H (mod.)) Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry

Bottle Group C (Water) With 2 Samples:

Bottle Type: P-500ML Number of Bottles: 2 Preserved With: ICE And H2SO4

W-NH3	Template: DEFAULT	(EPA 350.1 Rev. 2.0) Ammonia in aqueous matrices as mg N/L
W-NO2NO3	Template: DEFAULT	(EPA 353.2 Rev. 2.0) Nitrite/Nitrate in aqueous matrices as mg N/L
W-S-A-TP	Template: DEFAULT	(EPA 365.1 Rev. 2.0) Total Phosphorus in aqueous matrices as mg P/L
W-TKN	Template: DEFAULT	(EPA 351.2 Rev. 2.0) Total Kjeldahl Nitrogen in aqueous matrices

Bottle Type: P-125ML Number of Bottles: 2 Preserved With: FILTER-ICE

W-PO4-F	Template: DEFAULT	(EPA 365.1 Rev. 2.0) Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L

Bottle Group D (Water) With 2 Samples:

Bottle Type: BP-1L Number of Bottles: 2 Preserved With: Lugols

DTY-QN-C	Template: DEFAULT	(SOP-AB05_1) No. of diatom taxa of quantitative phytoplankton sample.
PKD-QN-C	Template: DEFAULT	(SOP-AB05) No. of wet taxa of quantitative phytoplankton sample.

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