

Login Checklist

RQ- **2020 - 02 - 03 - 75**

Login Station ID: **# 3**

Shipping Method: FedEx | UPS | HD | Greyhound

Date/Time of Receipt: **02-18-2020 / 10:20**

Cooler Temperature*	Samples Frozen	* All Samples In Cooler Preserved with		Number of Sample Containers In Cooler	Evidence Tape				Tracking # Damaged Waybills only
		YES	HNO ₃		Formalin	Present?		*Intact?	
	Yes					No	Yes	No	
3.1C				6		X			1278 4011 1900

*All samples received on ice unless otherwise noted. If the temperature of a cooler is above 6.0 °C (or above 10.0 °C for W-1-4-DIOX and microbiology), received without ice, or if Evidence Seal is damaged; identify the containers in the affected cooler(s) on back of this form. HNO₃ and Formalin preserved samples do **NOT** have a temperature requirement. 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 X 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 NA X Init: ABS

Coolers Unpacked/Checked by: ABS / Date: 02-18-2020 NCRs (Y/N)?

Event ID: WQAP - 2020 - 02 - 18 - 04 NCR #

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
			OK	BR	OK	BR	

Samples with Insufficient Volume for Analyses

Field ID	Bottle Test ID(s)	Action Taken

Infrared Thermometer ID:	IR TGM3 EXP:11/05/2020
pH Test Strips 0 – 6 Lot #	2133AV EXP:05/15/2020
pH Paper 0 – 3 Lot #	220418A EXP:07/30/2020
pH Paper 0 – 13 Lot #	208717 EXP:03/31/2020
Chlorine Test Strips Lot #	8281 2021 / 07

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 _____

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: _____

Algal Bloom Response - CEROC

Central Laboratory Submittal Form

last revised Jan 25, 2018

Customer: WQAP

Requester: Natalie Ayala

Field Report Prepared By: RENK

Project ID: BLOOM-RESP

Collected By: RENKSampling Agency: ORANGE COUNTY

Location <u>LAKE ANDERSON @ NW SIDE OF LAKE NEAR</u>		☐ Comp ☒ Grab	Collection (comp begin or grab) Date <u>2-17-2020</u> Time <u>10:45</u>		☒ Eastern ☐ Central	Composite end Date _____ Time _____		Bottle Group(s) (See pg 2) <u>A, B, C</u>
Field ID <u>04 FALL</u>		Matrix (type, e.g., Salt, Fresh, etc) <u>FRESH</u>		Diss. Oxygen <u>8.58</u>		☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L) <u>N/A</u>	
WIN/STORET #		Temp (C) <u>22.47</u>	pH <u>8.52</u>		Sample Depth <u>0.2</u>	☐ ft ☒ m	Sp. Conductance (umho/cm) <u>238</u>	
Latitude <u>28.500453</u>	☒ dd ☐ dms	Longitude <u>-81.337824</u>	☒ 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				
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
				<u>RENK</u>	<u>2-18-20/10-20</u>

Group: A	Bottle Type: PT-50ML BLOOM-ID	# of Bottles: 2	Preservative: ICE	Enter Number of Bottles Sent to Lab _____
Group: B	Bottle Type: BP-1L CHLSUITE-W	# of Bottles: 2	Preservative: ICE	Enter Number of Bottles Sent to Lab _____
Group: B	Bottle Type: BG-250ML-WDMT H W-MCYST-AA	# of Bottles: 2	Preservative: ICE	Enter Number of Bottles Sent to Lab _____
Group: B <i>Remove</i>	Bottle Type: P-125ML W-NH3-F	# of Bottles: 2	Preservative: FILTER-H2SO4-I CE	Enter Number of Bottles Sent to Lab _____
Group: B <i>Add W-NH3</i>	Bottle Type: P-500ML W-NO2NO3 W-S-A-TP W-TKN	# of Bottles: 2	Preservative: ICE And H2SO4	Enter Number of Bottles Sent to Lab _____
Group: B	Bottle Type: P-125ML W-PO4-F	# of Bottles: 2	Preservative: FILTER-ICE	Enter Number of Bottles Sent to Lab _____
Group: C	Bottle Type: BP-1L DTY-QN-C PKD-QN-C	# of Bottles: 2	Preservative: Lugols	Enter Number of Bottles Sent to Lab _____



Cyanobacteria Bloom Response Field Data Sheet (2019-12-16 v4)

Email scanned submittal forms to lab.receiving@FloridaDEP.gov

RQ - 2020-02-03-75

Collected By:

RENK

Customer:

Field Report

RENK

Prepared By:

Project ID:

Sampling Agency:

ORANGE COUNTY

Location: LAKE ANDERSON @ NW
SIDE OF LAKE NEAR OUTFALL

Comments:

Field ID: HABCE0030_Anderson

Coordinates: 28.500453, -81.337824

Collection Equip: BOTTLE

WIN ID: HABCE0030

High Tide Time:

Low Tide Time:

Matrix:

FRESH

Grab

Tide:

☐ Rising

☐ Falling

☐ Slack

☐ N/A

Water Quality

Date	Time ☒ EST ☐ CEN	D.O. (%)	D.O. (mg/L)	Temp (°C)	pH (SU)	Sample Depth (m)	Total Depth (m)	Secchi Disk (m)	Sp. Cond. (µmho/cm)	Salinity (PPT)
2/17/20	1045	98.9	8.58	22.5	8.5	0.2	0.4	0.45	238	

Bloom Observations

Algal Bloom Observed?	☒ Yes	☐ No								
Water Surface	☐ Clear	☒ Scum	☒ Globbs	☐ Slick						
Water Clarity	☐ Clear	☐ Slightly Turbid	☒ Turbid	☐ Opaque						
Bloom Color	☒ Green	☐ Red	☐ Brown	☐ Other: _____	☐ N/A					
Algae Distribution	☒ Suspended in water column	☒ On surface	☐ Other: _____	☐ N/A						
Water Odors	☐ Normal	☐ Sewage	☐ Petroleum	☐ Chemical	☒ Other: <u>Sulfur</u>					

Parameter Suite	Parameter Methods	Preservation	pH Check	#Bottles Sent to Lab	Bottle Group
Bloom ID (PT-50mL)	☒ BLOOM-ID	☒ Ice		1	A
Chlorophyll (BP-1L)	☒ CHLSUITE-W	☒ Ice		1	B
Toxins (BG-WD250)	☒ W-MCYST-AA	☒ Ice		1	B
	☒ W-NH3 / W-NO2NO3 / W-TKN / W-S-A-TP	☒ Ice ☒ H2SO4	☐ <2	1	B
Preserved Nutrients (500mL HDPE)	Acid Lot: <u>SA9301030</u>	Exp: <u>10/28/20</u>			
Filtered Nutrients (P125mL)	☒ W-PO4-F	☒ Field Filtered 0.45µm Filter			
		Filter Lot #			
Quantitative Algae	☒ DTY-QN-C / PKD-QN-C	☒ Ice	Lugols? <u>Y</u> ☒ N		
Relinquished By:	Date/Time	Number of Coolers Shipped	Received By:	Date/Time	

Please Remove W-NH3-F, add W-NH3

Date of Request: 17-JAN-2020
 Created By: AYALA_N On: 17-JAN-2020
 Modified By: JASROTIA_P On: 21-JAN-2020
 Customer: WQAP
 Project: BLOOM-RESP
 Division: Division of Environmental Assessment and Restoration
 District: Central
 Sampling Event: Algal Bloom Response - CEROC

Send Coolers To:

Phone: 407-897-4178
 3319 Maguire Blvd Ste 232

 Orlando, FL 32803
 Attn: Natalie Ayala

Send Final Report To:

3319 Maguire Blvd Ste 232

 Orlando, FL 32803
 Attn: Natalie Ayala

Program Module Number:
 Priority: 1
 Event Status: R
 Criminal Investigation: NO
 Chemistry Request Reviewed By: WATTS_J On: 21-JAN-2020
 Biology Request Reviewed By: JASROTIA_P On: 21-JAN-2020
 Sampling Kit Required: YES Ship on: 23-JAN-2020
 Sampling Kit Shipped: YES On: 23-JAN-2020
 Sampling Kit Packed By: MCCOY_I
 Preservatives Needed: NO
 Date to Receive Samples: 03-FEB-2020
 Received By: SHAIK_A On: 18-FEB-2020

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.

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

Bottle Group A - Priority 1
 For algal dominant taxon.

Bottle Group B - Priority 1
 For toxin testing, nutrients, and chlorophyll

Bottle Group C - 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: 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 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 Type: P-125ML Number of Bottles: 2 Preserved With: FILTER-H2SO4-ICE
 W-NH3-F Template: DEFAULT (EPA 350.1 Rev. 2.0) Ammonia, dissolved, in filtered, aqueous matrices as mg N/L
 Bottle Type: P-500ML Number of Bottles: 2 Preserved With: ICE And H2SO4
 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

Bottle Group B (Water) With 2 Samples:

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