

RQ- 2019-12-23-31

Login Checklist

Login Station ID: #2

Shipping Method: ☒ FedEx | UPS | HD | Greyhound

Date/Time of Receipt: 12/19/19@ 11:00

Cooler Temperature*	Samples Frozen YES	* All Samples in Cooler Preserved with		Number of Sample Containers in Cooler	Evidence Tape				Tracking # Damaged waybills only
		HNO ₃	Formalin		Present?		*Intact?		
					Yes	No	Yes	No	
1.9				6		☒			4751 8775 9575

*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 ☒ No ☐

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

****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 ☐ If yes, is it intact? Yes ☐ No ☐

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

**Sufficient Sample Volume: Yes ☒ No ☐

CHLORINE CHECK REQUIRED? (Blue dot on container) Yes ☐ No ☒ Init: IM

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

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

Field ID	List Test ID(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 ☒ No ☐ NA ☐ Init: IM

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

Coolers Unpacked/Checked by: IM Date: 12/19/19 NCRs (Y/N)? ☒

Event ID: Algal Bloom Response -SOROC
WQAP-2019-12-19-05 (BLOOM-RESP)
Date Received: 19-DEC-2019 11:00

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
			CK	BR	CK	BR	

Samples with Insufficient Volume for Analyses

Field ID	Bottle Test ID(s)	Action Taken

Infrared Thermometer ID:	REC_02_2018 EXP: 4/29/20
pH Test Strips 0 – 6 Lot #	
pH Paper 0 – 3 Lot #	
pH Paper 0 – 13 Lot #	215517 EXP: 6/1/20
Chlorine Test Strips Lot #	8261 EXP: 7/2020

Additional Comments:

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 _____ 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: _____

Florida Department of Environmental Protection

Central Laboratory Submittal Form

Customer: WQAP

Project ID: BLOOM-RESP

Requester: Kirby Wolfe

Field Report Prepared By: Nicole ReistadCollected By: Chase Conley, Nicole ReistadSampling Agency: FDPE-SROC

Location <u>Lake Trafford</u>		☐ Comp ☒ Grab	Collection (comp begin or grab) Date <u>12/18/19</u> Time <u>0905</u>		☒ Eastern ☐ Central	Composite end Date _____ Time _____		Bottle Group(s) (See pg 2) <u>A, B, C</u>
Field ID <u>SD121819-001</u>		Matrix (type, e.g., Salt, Fresh, etc) <u>Fresh</u>		Diss. Oxygen <u>7.85</u>	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)		
WIN/STORET #		Temp (C) <u>22.9</u>	pH <u>7.59</u>	Sample Depth <u>0.3</u>	☐ ft ☒ m	Sp. Conductance (umho/cm) <u>301</u>		
Latitude <u>26.4327944</u>	☒ dd ☐ dms	Longitude <u>-81.4857922</u>	☒ dd ☐ dms	Salinity (ppt) <u>0.14</u>	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: <u>Nicole Reistad</u>	Date/Time <u>12/18/19 1320</u>	Shipping Method <u>FedEx</u>	Number of Coolers Shipped: <u>1</u>	Received By: <u>Ian McCoy</u>	Date/Time <u>12/19/19 11:00</u>
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Junyoung Kim 12/19/2019 12:25pm

Group: A	Bottle Type:	PT-50ML	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab	
BLOOM-ID							
Group: B	Bottle Type:	BP-1L	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab	
CHLSUITE-W							
Group: B	Bottle Type:	BG-250ML-WDMT H	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab	
W-MCYST-AA							
Group: B	Bottle Type:	P-500ML	# of Bottles: 2	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab	
		W-NH3			SA 9203/00		
		W-NO2NO3			07/22/20		
		W-S-A-TP					
		W-TKN					
Group: B	Bottle Type:	P-125ML	# of Bottles: 2	Preservative:	FILTER-ICE	Enter Number of Bottles Sent to Lab	
W-PO4-F							
Group: C	Bottle Type:	BP-1L	# of Bottles: 2	Preservative:	Lugols	Enter Number of Bottles Sent to Lab	
		DTY-QN-C					
		PKD-QN-C					



Cyanobacteria Bloom Response Field Data Sheet (2019-12-10 v5)

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

RQ - 2019-12-23-31		Collected By: <u>Nicole Reistad</u> ^{MR} Chase Conley	
Customer: <u>WQAP</u>	Field Report Prepared By: <u>Nicole Reistad</u>		
Project ID: <u>BLOOM-RESP</u>	Sampling Agency: <u>FDEP - SOROC</u>		
Location: <u>Lake Trafford</u>		Comments:	
		☒ Algae sample not preserved with Lugols.	
Field ID: <u>SD121819-001</u>		Coordinates: <u>26.4327944, -81.4857922</u>	
		Collection Equip: <u>conta bottle, syringe</u>	
WIN ID:	High Tide Time: <u>—</u>		Low Tide Time: <u>—</u>
Matrix: <u>Fresh</u>	<u>Grab</u>	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)	Cond. (µmho/cm)	Salinity (PPTH)
12/18/19	0905	91.5	7.85	22.9	7.59	0.3	0.75	0.25	301	0.14

Bloom Observations					
Algal Bloom Observed? ☐ Yes ☐ No					
Water Surface	☒ Clear	☐ Scum	☐ Globs	☐ 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>decaying</u>

Parameter Suite	Parameter Methods	Preservation	pH Check	#Bottles Sent to Lab	Bottle Group
Bloom ID (PT-50mL)	☒ BLOOM-ID	☒ Ice			A
Chlorophyll (BP-1L)	☒ CHLSUITE-W	☒ Ice			A B
Toxins (BG-WD250)	☒ W-MCYST-AA	☒ Ice			B
Preserved Nutrients (500mL HDPE)	☒ W-NH3 / W-NO2NO3 / W-TKN / W-S-A-TP	☒ Ice ☒ H2SO4	☒ 2		B
	Acid Lot: <u>SA9203100</u>	Exp: <u>07/22/20</u>			B ne
Filtered Nutrients (P125mL)	☒ W-PO4-F ☒ Field Filtered 0.45µm Filter	☒ Ice			B
	Filter Lot# <u>16989757</u>				
Quantitative Algae	☒ DTY-QN-C / PKD-QN-C	☒ Ice ☐ Lugols			C

Relinquished By:	Date/Time	Number of Coolers Shipped	Received By:	Date/Time
<u>Nicole Reistad</u>	<u>12/18/19</u>	<u>1</u>	<u>Ian McRay</u>	<u>12/19/19 11:00</u>

Date of Request: 10-DEC-2019
 Created By: WOLFE_K On: 10-DEC-2019
 Modified By: JASROTIA_P On: 12-DEC-2019
 Customer: WQAP
 Project: BLOOM-RESP
 Division: Division of Environmental Assessment and Restoration
 District: SROC
 Sampling Event: Algal Bloom Response -SOROC

Send Coolers To:

Phone: 850-245-8416
 2295 Victoria AVE
 Suite 364
 Fort Myers, FL 33901
 Attn: Kirby Wolfe

Program Module Number:

Priority: 1

Event Status: S

Criminal Investigation: NO

Chemistry Request Reviewed By: WATTS_J On: 11-DEC-2019

Biology Request Reviewed By: JASROTIA_P On: 12-DEC-2019

Sampling Kit Required: YES Ship on: 13-DEC-2019

Sampling Kit Shipped: YES On: 13-DEC-2019

Sampling Kit Packed By: KLUG_K

Preservatives Needed: NO

Date to Receive Samples: 23-DEC-2019

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: 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-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 Group B (Water) With 2 Samples:

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.