McCoy, Ian

From: Watts, John
Sent: Tuesday, September 1, 2020 9:28 AM
To: Lab.Receiving
Cc: Swanson, Cheryl; Rankin, Amelia
Subject: Re: BLOOM-RESP RQ Comments

Just a reminder this change is for BLOOM-RESP, not for HAB-ROUTNE.

John Watts
FDEP Laboratory
Scientific Services Support
850-245-8077 voice

Outlook Webmail

From: Watts, John <John.Watts@FloridaDEP.gov>
Sent: Monday, August 31, 2020 2:37 PM
To: Musson, Curtis <Curtis.Musson@FloridaDEP.gov>; Hogue, Alicia <Alicia.Hogue@FloridaDEP.gov>; Warren, Kalina <Kalina.Warren@dep.state.fl.us>
Cc: Ayres, Joshua <Joshua.Ayres@dep.state.fl.us>; Swanson, Cheryl <Cheryl.Swanson@FloridaDEP.gov>; Rankin, Amelia <Amelia.Rankin@FloridaDEP.gov>; Lurding, Kathleen <Kathleen.Lurding@dep.state.fl.us>
Subject: BLOOM-RESP RQ Comments

Kalina/Alicia/Curtis:
Cheryl and I will bring this up as an update at the beginning of todays teleconference. Its a bit off topic but would be helpful to get this to schedulers ASAP. Please distribute to necessary staff.

Please have schedulers edit the bottle groups to move the phytoplankton tests INTO bottle group B. And update the comments to the below. Make sure the RQs are tagged as **Priority 1** (some are still tagged as Priority 3).

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

Bottle Group A - algal dominant taxon
Bottle Group B - toxin testing, nutrients, chlorophyll, 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.

John Watts
FDEP Laboratory
Scientific Services Support

Login Checklist

RQ-~~2021-~~ 2020-08-17-26 (6)

Login Station ID: #2

Shipping Method: FedEx | UPS | HD | Greyhound

Date/Time of Receipt: 4/13/2021 10:00

*Cooler Temperature	Samples Frozen?	* All Samples in Cooler Preserved with		Number of Sample Containers in Cooler	Evidence Tape				Waybill Tracking #
					Present?		*Intact?		
	YES	HNO_3	Formalin		Yes	No	Yes	No	
1.6				6		✓			9293 8011 7648

COOLER CHECK

***All samples received on ice unless otherwise noted. HNO3 and Formalin preserved samples do NOT have a temperature requirement.**

- If the temperature of a cooler exceeds 6.0 oC (above 10.0 oC for W-1-4-DIOX and microbiology) or received without ice, identify affected samples in an NCR. **NCR#** _____
- DOH coolers can exceed 2.0 °C above the standard temperature (6.0 or 10.0 °C for W-1-4-DIOX) without login confirmation from customer for samples requiring ice preservation; identify affected samples in an NCR. **NCR#** _____
- If cooler or samples are received with a damaged Evidence Seal; identify the affected samples in an NCR. **NCR#** _____
- If coolers or samples are received late; identify the affected samples in an NCR. **NCR#** _____

Chain of Custody/ Field Sheet(s) Included? Yes ✓ No _____

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

CONTAINER CHECK

Evidence Tape on Bottles? Yes ____ No ____ NA ✓ Evidence Tape intact? Yes ____ No ____

If Criminal, photographs taken? Yes ✓ No ____ Containers intact? Yes ✓ No ____

Caps on tight? Yes ____ No ____

Sufficient Sample Volume: Yes ✓ No ____

If NO is checked above, generate an NCR listing affected sample IDs in its appropriate category. NCR# _____

CHLORINE CHECK REQUIRED? *(Blue dot on container)* Yes____ No ✓ Init: IM

Chlorine detected? *(One container checked per Field ID)* Yes____ No ____ Init:____

If chlorine is detected, generate an NCR listing affected sample IDs . NCR# _____

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

If samples were not preserved correctly, generate an NCR listing affected sample IDs . NCR# _____

Coolers Unpacked/Checked by: IM **Date:** 4/13/2021 **Event contains NCRs (Y/N)?** ✓

Event ID: Algal Bloom Response -SOROC
WQAP-2021-04-13-01 (BLOOM-RESP)
Date Received: 13-APR-2021 10:00

Login Checklist

Login Preservation Equipment	Lot # & Exp: Date
Infrared Thermometer ID:	IR TEMP GUN #2 exp:10/28/21
pH Test Strips 0 – 6	
pH Paper 0 – 3	
pH Paper 0 – 13	231019 exp: 11/1/22
Chlorine Test Strips	0129 exp: 03/2023

Additional Comments:

ENCORE SAMPLES

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

Were Encore samples received? Yes_____ Init:_____

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_____

If S-VOC-MS samples were not preserved correctly, generate an NCR listing affected sample IDs . NCR# _____

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: _____

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

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

RQ-2020-08-17-26		Collected By:	Nicole Reistad, William Mullen
Customer:	SO-DIST	Field Report Prepared By:	Nicole Reistad
Project ID:	ALGAL BLOOM RESP	Sampling Agency:	FDEP-SOROC
Location: Lake Okeechobee - Clewistown Boat Ramp		Comments:	green algae in water column and in slicks w/ concentrated slicks near the shoreline
Field ID: SD-HAB-041221-001		Coordinates:	26°45'40.232"N, 80°55'10.782"W
		Collection Equip:	Pole, Bottles, Syringe
WIN ID:		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 (PPTh)
04/12/21	1150	68.6 ~~23.4~~ NR	5.83	23.4	7.70	0.3	2.2	0.2	396.5	0.19
11	1152	67.7	5.78	23.2	7.67	1.7	–	–	394.0	0.19

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: ____

Parameter Suite	Parameter Methods	Preservation	pH Check	#Bottles Sent to Lab	Bottle Group
Bloom ID (PT-50mL)	☒ BLOOM-ID	☒ Ice		1	NR ~~C~~ A
Chlorophyll (BP-1L)	☒ CHLSUITE-W	☒ Ice		1	NR ~~A~~ B
Toxins (BG-WD250)	☒ W-MCYST-AA	☒ Ice		1	B
Preserved Nutrients (500mL HDPE)	☒ W-NH3 / W-NO2NO3 / W-TKN / W-S-A-TP	☒ Ice ☒ H2SO4	☒ <2	1	NR ~~A~~ B
	Acid Lot: SA0293040	Exp: 10/19/21			NR
Filtered Nutrients (P125mL)	☒ W-PO4-F	☒ Field Filtered 0.45um Filter Filter Lot # 17101170 ☒ Ice		1	NR ~~A~~ B
Quantitative Algae	☒ DTY-QN-C / PKD-QN-C	☒ Ice Lugols? Y / N		1	C

Relinquished By:	Date/Time	Number of Coolers Shipped	Received By:	Date/Time
[signature]	04/12/21 1600	1	IM	4/13/21 10:00

RQ-2020-08-17-26

Date of Request: 27-JUL-2020
Created By: WOLFE_K On: 27-JUL-2020
Modified By: JASROTIA_P On: 28-JUL-2020
Customer: WQAP
Project: BLOOM-RESP
Division: Division of Environmental Assessment and Restoration
District: SROC
Event Description: Algal Bloom Response -SOROC

Send Coolers To:

Phone: 850-245-8416
2295 Victoria AVE
Suite 364
Fort Myers, FL 33901
Attn: Kirby Wolfe
Cooler Ship EMail: kirby.wolfe@dep.state.fl.us

Priority: 1
Event Status: R
Criminal Investigation: NO
Chemistry Request Reviewed By: WATTS_J On: 27-JUL-2020
Biology Request Reviewed By: JASROTIA_P On: 28-JUL-2020
Sampling Kit Required: YES Ship on: 07-AUG-2020
Sampling Kit Shipped: YES On: 03-AUG-2020
Sampling Kit Packed By: REYNOLDS_T
Preservatives Needed: NO
Date to Receive Samples: 17-AUG-2020
Logged In By: REYNOLDS_T On: 20-NOV-2020

Send Final Report To:

2295 Victoria AVE
Suite 364
Fort Myers, FL 33901
Attn: Kirby Wolfe
Report Notification EMail:
kirby.wolfe@dep.state.fl.us;kalina.warren@dep.state.fl.us;Cheryl.Swanson@dep.state.fl.us;Miranda.Carroll@FloridaDEP.gov;Chris.Hormuth@FloridaDEP.gov;Nicole.Reistad@floridadep.gov;John.Barrington@floridadep.gov

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

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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: (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.