

RQ-2020-04-13-44

Login Checklist

Login Station ID: #4

Shipping Method: FedEx UPS | HD | GreyhoundDate/Time of Receipt: 08/25/2020 @ 10:50

*Cooler Temperature	Samples Frozen?	* All Samples in Cooler Preserved with		Number of Sample Containers in Cooler	Evidence Tape				Waybill Tracking #
	YES	HNO ₃	Formalin		Present?		*Intact?		
					Yes	No	Yes	No	
1.8				12		x			1278 9014 5389

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 °C (above 10.0 °C 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: Jylup

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: Jylup

**W-1-4-DIOX (Green dot on container) preserved to pH < 4.0?

Yes ☐ No ☐ NA ☒ Init: Jylup

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

Coolers Unpacked/Checked by: Jylup ReynoldsDate: 08/25/2020Event contains NCRs (Y/N)? none

Event ID

Algal Bloom Response - SWD

WQAP-2020-08-25-02 (BLOOM-RESP)

Page 1 Date Received: 25-AUG-2020 10:50

Login Checklist

Login Preservation Equipment

Lot # & Exp: Date

Additional Comments:

Infrared Thermometer ID:	#4 Temp Gun EXP:11/05/2020
pH Test Strips 0 – 6	
pH Paper 0 – 3	
pH Paper 0 – 13	231019 EXP:11/01/2022
Chlorine Test Strips	8261 EXP:07/2021

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 - 2020-04-13-44		Collected By:	Ben Paswater	
Customer:	FDEP	Field Report Prepared By:	Ben Paswater	
Project ID:	Bloom Response	Sampling Agency:	21FLTPA - SW ROC	
Location:	 HAB-SW-0023		Comments: 	
WIN/Field ID				
Site Name:	Harbor Isles - NW Lobe		Coordinates:	/
			Collection Equip:	Bottles - Direct Grab
			High Tide Time:	/
			Low Tide Time:	/
Matrix:	SALT	(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)
8/24/20	1245	202.9	14.55	31.3	8.65	0.3	0.6	0.1	10794	6.06

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: _____		
Algae Distribution	☒ Suspended in water column	☒ On surface	☐ Other: _____			
Water Odors	☐ Normal	☐ Sewage	☐ Petroleum	☐ Chemical	☒ Other: <u>Algal</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		
Preserved Nutrients (500mL HDPE)	☒ W-NH3 / W-NO2NO3 / W-TKN / W-S-A-TP		☒ Ice	☒ H2SO4	☒ <2	1	B
	Acid Lot:	SA9354050		Exp:	12/10/20		
Filtered Nutrients (P125mL)	☒ W-PO4-F	☒ Field Filtered 0.45µm Filter	☒ Ice		1	B	
	☒ DTY-QN-C / PKD-QN-C		☒ Ice	Lugols? Y / N	1	C	
Relinquished By:	Date/Time	Number of Coolers Shipped	Received By:	Date/Time			
Ben Paswater	8/24/20 4:00	1					



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

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

RQ - 2020-04-13-44		Collected By:	Ben Paswater							
Customer:	FDEP	Field Report Prepared By:	Ben Paswater							
Project ID:	Bloom Response	Sampling Agency:	21FLTPA - SW ROC							
WIN/Field ID		Comments:								
HAB-SW-0008										
Site Name: Harbor Isles - Southern Lobe		Coordinates:	27.8367 -82.614							
		Collection Equip:	Bottles - Direct Grab							
WIN ID:		High Tide Time:		Low Tide Time:						
Matrix:	SALT	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)
8/24/20	1230	131.8	9.54	30.3	8.07	0.3	0.5	0.5	10780	6.06
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>Algae</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			
Preserved Nutrients (500mL HDPE)	☒ W-NH3 / W-NO2NO3 / W-TKN / W-S-A-TP		☒ Ice	☒ H2SO4	☒ <2	1	B			
	Acid Lot: SA9354050		Exp: 12/20/20							
Filtered Nutrients (P125mL)	☒ W-PO4-F		☒ Field Filtered 0.45µm Filter		☒ Ice	1	B			
	Filter Lot #									
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					
Ben Paswater	8/24/20	1								

Date of Request: 23-MAR-2020
 Created By: BEARDEN_M On: 23-MAR-2020
 Modified By: JASROTIA_P On: 30-MAR-2020
 Customer: WQAP
 Project: BLOOM-RESP
 Division: Division of Environmental Assessment and Restoration
 District:
 Event Description: Algal Bloom Response - SWD

Send Coolers To:

Phone: 813-470-5951
 13051 N. Telecom Parkway

 Temple Terrace, FL 33637
 Attn: Matthew Bearden
 Cooler Ship EMail: matthew.bearden@dep.state.fl.us

Priority: 3
 Event Status: R
 Criminal Investigation: NO
 Chemistry Request Reviewed By: WATTS_J On: 30-MAR-2020
 Biology Request Reviewed By: JASROTIA_P On: 30-MAR-2020
 Sampling Kit Required: YES Ship on: 09-APR-2020
 Sampling Kit Shipped: YES On: 08-APR-2020
 Sampling Kit Packed By: KLUG_K
 Preservatives Needed: NO
 Date to Receive Samples: 13-APR-2020
 Logged In By: REYNOLDS_T On: 25-AUG-2020

Send Final Report To:

13051 N. Telecom Parkway

 Temple Terrace, FL 33637
 Attn: Matthew Bearden
 Report Notification EMail:
 matthew.bearden@dep.state.fl.us; kalina.warren@dep.state.fl.us;

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.

Bottle Group A (Biological) With 8 Samples:

Bottle Type: PT-50ML Number of Bottles: 8 Preserved With: ICE
 BLOOM-ID Template: DEFAULT (SOP-AB05) Assessment of dominant algal taxa in bloom or mat sample

Bottle Group B (Water) With 8 Samples:

Bottle Type: BP-1L Number of Bottles: 8 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: 8 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: 8 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: 8 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 8 Samples:

Bottle Type: BP-1L

Number of Bottles: 8

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.