RQ-2021-03-08-13

Login Checklist

Login Station ID: #2

Shipping Method: FedEx | UPS | HD | Greyhound

Date/Time of Receipt: 3/5/2021 9:40

*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	
0.4				12		✓			9293 8008 3094
0.7				12		✓			9293 8008 3083

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:** 3/5/2021 **Event contains NCRs (Y/N)?** N

Event ID: Algal Bloom Response - SWD
WQAP-2021-03-05-01 (BLOOM-RESP)
Date Received: 05-MAR-2021 09:40

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	0261 exp: 05/2023

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 - 2021-03-08-13		Collected By:	Matthew Bearden
Customer:	FDEP	Field Report Prepared By:	Francisco Faria
Project ID:	Bloom Response	Sampling Agency:	21FLTPA - SW ROC

Location:
WIN/Field ID: HAB-SW-0023

Site Name: Harbor Isles - NW Lobe

Comments:

Coordinates:

Collection Equip: Bottles - Direct Grab

WIN ID:

High Tide Time: / Low Tide Time: /

Matrix: marine (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)
03/04/21	1145	51.3	4.19	23.6	8.11	0.3	3.1	0.6	11582	6.60
1	1149	30.2	2.49	23.0	7.91	2.6	1	1	11547	6.58

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	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: SA0293040	Exp: 10/19/21			
Filtered Nutrients (P125mL)	☑ W-PO4-F	☑ Field Filtered 0.45um Filter, Filter Lot # 17020459 ☑ Ice		1	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
Francisco Faria	03/04/21 1600	3	IM	3/5/21 9:40

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

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

RQ - 2021-03-08-13		Collected By:	Matthew Bearden
Customer:	FDEP	Field Report Prepared By:	Francisco Faria
Project ID:	Bloom Response	Sampling Agency:	21FLTPA - SW ROC
Location:		Comments:	

WIN/Field ID: HAB-SW-0008

Site Name: Harbor Isles - Southern Lobe

Coordinates:

Collection Equip: Bottles - Direct Grab

WIN ID:

High Tide Time: / Low Tide Time: /

Matrix: marine (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)
03/04/21	1205	90.1	7.26	24.3	8.37	0.3	0.6	0.6	11595	6.61

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	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: SA0293040	Exp: 10/19/21			
Filtered Nutrients (P125mL)	☑ W-PO4-F	☑ Field Filtered 0.45um Filter, Filter Lot # 1702045 9 ☑ Ice		1	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
Francisco Faria	03/04/21 1600	3	IM	3/5/21 9:40

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

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

RQ - ~~21-38-13~~ 2021-03-08-13

Collected By: Mathew Bearden

Customer: FDEP

Field Report Prepared By: Francisco Faria

Project ID: Bloom Response

Sampling Agency: 21FLTPA - SW ROC

WIN/Field ID: HAB-SW-0030

Comments: Lymbia like algae

Site Name: Manatee River @ 7th

Coordinates:

Collection Equip: Bottles - Direct Grab

WIN ID:

High Tide Time: / Low Tide Time: /

Matrix: marine (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)
03/04/21	0930	2.4	0.18	23.0	6.77	0.3	0.6	0.6	35662	22.51

Bloom Observations

Algal Bloom Observed? ☑ Yes ☐ No (FF)

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	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: SA0293040 ~~NA9354060~~ (FF)	Exp: 10/19/21 ~~12/20/20~~			
Filtered Nutrients (P125mL)	☑ W-PO4-F ☑ Field Filtered 0.45um Filter Filter Lot # 17020459	☑ Ice		1	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
Francisco Faria	03/04/21 1600	3	IM	3/5/21 9:40

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

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

RQ - 2021-03-08-13		Collected By:	Mathew Bearden
Customer:	FDEP	Field Report Prepared By:	Francisco Faria
Project ID:	Bloom Response	Sampling Agency:	21FLTPA - SW ROC

WIN/Field ID: HAB-SW-0026

Comments:

Site Name: Harbor Isles - Center

Coordinates:

Collection Equip: Bottles - Direct Grab

WIN ID:

High Tide Time: / Low Tide Time: /

Matrix: marine (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)
03/04/21	1130	62.9	5.14	23.6	8.25	0.3	4.6	0.6	11568	6.59
1	1135	33.0	2.71	23.2	7.97	4.1	1	1	11574	6.60

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	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: SA0293040	Exp: 10/19/21			
Filtered Nutrients (P125mL)	☑ W-PO4-F	☑ Field Filtered 0.45um Filter, Filter Lot # 17020459 ☑ Ice		1	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
Francisco Faria	03/04/21 1600	3	IM	3/5/21 9:40

RQ-2021-03-08-13

Date of Request: 08-FEB-2021
Created By: BEARDEN_M On: 08-FEB-2021
Modified By: JASROTIA_P On: 09-FEB-2021
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: 1
Event Status: R
Criminal Investigation: NO
Chemistry Request Reviewed By: WATTS_J On: 09-FEB-2021
Biology Request Reviewed By: JASROTIA_P On: 09-FEB-2021
Sampling Kit Required: YES Ship on: 26-FEB-2021
Sampling Kit Shipped: YES On: 22-FEB-2021
Sampling Kit Packed By: KLUG_K
Preservatives Needed: NO
Date to Receive Samples: 08-MAR-2021
Logged In By: KLUG_K On: 04-MAR-2021

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 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.

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: 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.
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

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