

RQ-2020-02-03-83

Shipping Method: **FedEx** | UPS | HD | Greyhound[illegible]

****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.

****Evidence Tape on Bottles?** Yes _____ No X **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 X Init: Tyler R

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

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

Field ID	List TestID(s) where Chlorine was Detected, an NCR is required.

**Acid Preserved Samples: pH $\leq$ 2.0? Yes ☒ No ☐ NA ☐ Init: TULN

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

Coolers Unpacked/Checked by: Tyler Reynolds Date: 02/10/2020

NCRs (Y/N)? ~~None~~ ^{TR} YES

EventID: Algal Bloom Response - SWD
WQAP-2020-02-10-01 (BLOOM-RESP)

NCR# 8176

Date Received: 10-FEB-2020 09:20

Field ID	Bottle TestID(s)	pH	Action Taken

Cooler ID	Field ID	Bottle TestID(s)

Field ID	Bottle TestID(s)	Loose Cap	Damaged Cap	Damaged Container	Evidence Tape Not Intact
			CK	BR	CK

Field ID	Bottle TestID(s)	Action Taken

Infrared Thermometer ID:	IR TEMP GUN #4 EXP:11/05/2020
pH Test Strips 0 – 6 Lot #	213316AV EXP:05/15/2020
pH Paper 0 – 3 Lot #	N/A
pH Paper 0 – 13 Lot #	215517 EXP: 06/01/2020
Chlorine Test Strips Lot #	8261 EXP: 07/30/2021

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 _____

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 - 2020-02-03-83		Collected By:	M. Bearden								
Customer:	FDEP	Field Report Prepared By:	M. Bearden								
Project ID:	Bloom Response	Sampling Agency:	21FLTPA - SW ROC								
Location:		Comments: Follow-up									
WIN/Field ID		HAB-SW-0005									
Site Name: Tiger Lake - NW Lobe		Coordinates:									
Collection Equip:		Bottles - Direct Grab									
High Tide Time:		N/A	Low Tide Time: N/A								
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)	
2/6/20	0945	101.4	9.33	19.4	7.20	0.3	2.2	0.5	127.8	0.06	
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: _____			
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: _____		Exp: _____								
Filtered Nutrients (P125mL)	☒ W-PO4-F	☒ Field Filtered 0.45µm Filter		☒ 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						
Matthew Bearden	2/6/20	2									



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RQ - 2020-02-03-83		Collected By:	M. Bearden								
Customer:	FDEP	Field Report Prepared By:	M. Bearden								
Project ID:	Bloom Response	Sampling Agency:	21FLTPA - SW ROC								
Location:		Comments: Follow-up									
WIN/Field ID		HAB-SW-0007									
Site Name: Scott Lake - West		Coordinates:									
		Collection Equip:	Bottles - Direct Grab								
		High Tide Time:	N/A	Low Tide Time: N/A							
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)	
2/6/20	1300	151.1	13.31	21.5	8.91	0.3	1.0	0.4	209.1	0.10	
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: _____			Exp: _____							
Filtered Nutrients (P125mL)	☒ W-PO4-F		☒ Field Filtered 0.45µm Filter		☒ 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					
Matthew Bearden	2/6/20	2									



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RQ - 2020-02-03-83		Collected By:	M. Bearden							
Customer:	FDEP	Field Report Prepared By:	M. Bearden							
Project ID:	Bloom Response	Sampling Agency:	21FLTPA - SW ROC							
Location:		Comments:								
WIN/Field ID		HAB-SW-0011								
Site Name: Lake Hancock - South		Coordinates:								
		Collection Equip: Bottles - Direct Grab								
		High Tide Time:	N/A	Low Tide Time: N/A						
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)
2/6/20	1200	124.9	11.64	18.7	9.03	0.3	1.6	0.2	193.4 125.3 MB	0.09
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: _____ Exp: _____									
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					
Matthew Bearden	2/6/20	2								



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RQ - 2020-02-03-83		Collected By:	M. Bearden							
Customer:	FDEP	Field Report Prepared By:	M. Bearden							
Project ID:	Bloom Response	Sampling Agency:	21FLTPA - SW ROC							
Location:		Comments: Follow-up								
WIN/Field ID		HAB-SW-0004								
Site Name: Lake Hunter - Center		Coordinates:								
		Collection Equip:	Bottles - Direct Grab							
		High Tide Time:	N/A	Low Tide Time: N/A						
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)
2/6/20	1330	142.2	12.72	20.8	9.40	0.3	1.4	0.2	155.6	0.07
Bloom Observations										
Algal Bloom Observed? ☒ Yes ☐ No										
Water Surface	☒ Clear	☐ Scum	☐ Glob's	☐ 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: _____		Exp: _____							
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				
Matthew Bearden	2/6/20	2								



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

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RQ - 2020-02-03-83		Collected By:	M. Bearden								
Customer:	FDEP	Field Report Prepared By:	M. Bearden								
Project ID:	Bloom Response	Sampling Agency:	21FLTPA - SW ROC								
Location:		Comments:									
WIN/Field ID		HAB-SW-0010									
Site Name: Lake Mariana- <i>Near Ramp</i>		Coordinates:									
Collection Equip:		Bottles - Direct Grab									
WIN ID:	High Tide Time:	N/A	Low Tide Time:	N/A							
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)	
2/6/20	1110	106.9	9.75	19.8	7.74	0.3	1.2	0.6	229.2	0.11	
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:		Exp:								
Filtered Nutrients (P125mL)	☒ W-PO4-F		☒ Field Filtered 0.45µm Filter		☒ 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					
Matthew Bearden	2/6/20	2									

Date of Request: 23-JAN-2020
 Created By: RANKIN_A On: 23-JAN-2020
 Modified By: JASROTIA_P On: 24-JAN-2020
 Customer: WQAP
 Project: BLOOM-RESP
 Division:
 District:
 Sampling Event: Algal Bloom Response - SWD

Send Coolers To:

Phone: 8134705951
 DEP SW ROC
 13051 N. Telecom Parkway
 Temple Terrace, FL 33637
 Attn: Matthew Bearden

Send Final Report To:

DEP SW ROC
 13051 N. Telecom Parkway
 Temple Terrace, FL 33637
 Attn: Matthew Bearden

Program Module Number:

Priority: 3
 Event Status: S
 Criminal Investigation: NO
 Chemistry Request Reviewed By: WATTS_J On: 24-JAN-2020
 Biology Request Reviewed By: JASROTIA_P On: 24-JAN-2020
 Sampling Kit Required: YES Ship on: 27-JAN-2020
 Sampling Kit Shipped: YES On: 27-JAN-2020
 Sampling Kit Packed By: MCCOY_I
 Preservatives Needed: NO
 Date to Receive Samples: 07-FEB-2020
 Received By:

Report Type: Final Only
 FTP Data: NO
 QC Report: YES
 Date Log: NO
 Authorization Log: NO

Comments: 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 6 Samples:

Bottle Type: PT-50ML Number of Bottles: 6 Preserved With: ICE
 BLOOM-ID Template: DEFAULT (SOP-AB05) Assessment of dominant algal taxa in bloom or mat sample

Bottle Group B (Water) With 6 Samples:

Bottle Type: BP-1L Number of Bottles: 6 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: 6 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: 6 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: 6 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 6 Samples:

Bottle Group C (Water) With 6 Samples:

Bottle Type: BP-1L	Number of Bottles: 6	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.