



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

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

07-15-43

RQ - 2021-05-24	Collected By: Kirby Mole William Miller
Customer: FRED	Field Report Prepared By: Kirby Mole
Project ID: HAB	Sampling Agency: FRED

Location: Caloosahatchee River - Barron Park Labelle	Comments:
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Field ID: HAB-SD052621-001	Coordinates:
	Collection Equip: Bottle
WIN ID:	High Tide Time: Low Tide Time:
Matrix:	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)
05/26/2021	940	95.6	7.65	26.5	7.91	0.3	0.85	0.35	912.9	0.70

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
	Acid Lot: 120053	Exp: 10/05/2021			
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 B
Relinquished By: William Miller	Date/Time: 05/26/2021 1500	Number of Coolers Shipped: 2	Received By:	Date/Time:	



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RQ-2021-03-15-43			Collected By: Kirby Wolfe							
Customer:			Field Report Prepared By: William Muller							
Project ID: HAB RISP			Sampling Agency: FDEP							
Location: Caloosahatchee - Canal at Casely Dr.			Comments:							
Field ID: HAB-SD-052621-002			Coordinates:							
			Collection Equip:							
WIN ID:			High Tide Time:							
Matrix:			Low Tide Time:							
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)
05/26/21	1350	75.1	5.84	27.7	7.85	0.3	0.8	0.5	489.4	0.23
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	
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	B	
Relinquished By:		Date/Time		Number of Coolers Shipped		Received By:		Date/Time		
William Muller		05/26/21 1500		2						

RQ-2021-03-15-43

Login Checklist

Login Station ID: #4

Shipping Method: FedEx UPS | HD | GreyhoundDate/Time of Receipt: 05/27/2021 @ 9:45

*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	
0.8 °C				12		X			9293 8013 3460

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: Tulmh

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: Tulmh

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

Yes _____ No _____ NA ☒ Init: Tulmh

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

Coolers Unpacked/Checked by: Tulmh.Date: 05/27/2021Event contains NCRs (Y/N)? NEvent ID: Algal Bloom Response -SOROC
WQAP-2021-05-27-01 (BLOOM-RESP)Date Received: 27-MAY-2021 09:45

Login Checklist

Login Preservation Equipment

Lot # & Exp: Date

Additional Comments:

Infrared Thermometer ID:	#4 Temp Gun EXP:10/28/2021
pH Test Strips 0 – 6	N/A
pH Paper 0 – 3	N/A
pH Paper 0 – 13	210620 EXP:04/15/2023
Chlorine Test Strips	0261 EXP:05/2023

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: _____



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RQ - 2021- 4524		Collected By: Kirby Wolfe William Miller								
Customer: FDEP		Field Report Prepared By: Kirby Wolfe								
Project ID: HAB		Sampling Agency: FDEP								
Location:		Comments:								
Field ID: HAB-SD052621-001		Coordinates:								
WIN ID:		Collection Equip: Bottle								
Matrix:		High Tide Time:								
Grab		Low Tide Time:								
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)
05/26/2021	940	95.6	7.65	26.5	7.91	0.3	0.85	0.35	412.9	0.70
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: 120053		Exp: 10/05/2021						
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	B		
Relinquished By: William Miller		Date/Time: 05/26/2021 1500		Number of Coolers Shipped: 2		Received By:		Date/Time:		



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RQ-2021-03-15-43		Collected By: Kirby Wolfe								
Customer:		Field Report Prepared By: William Muller								
Project ID: HAB RCSR		Sampling Agency: FDEP								
Location: Caloosahatchee - Canal at Casey Dr.		Comments:								
Field ID: HAB-SD-052621-002		Coordinates:								
WIN ID:		Collection Equip:								
Matrix:		High Tide Time:								
Grab		Low Tide Time:								
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)
05/26/21	1350	75.1	5.84	27.7	7.85	.03	.08	.05	489.4	0.23
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: 120053		Exp: 10/05/21							
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	B	
Relinquished By:	Date/Time	Number of Coolers Shipped		Received By:		Date/Time				
William Muller	05/26/21 1500	2								

Date of Request: 25-FEB-2021
 Created By: WOLFE_K On: 25-FEB-2021
 Modified By: JASROTIA_P On: 26-FEB-2021
 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: S
 Criminal Investigation: NO
 Chemistry Request Reviewed By: WATTS_J On: 25-FEB-2021
 Biology Request Reviewed By: JASROTIA_P On: 26-FEB-2021
 Sampling Kit Required: YES Ship on: 05-MAR-2021
 Sampling Kit Shipped: YES On: 01-MAR-2021
 Sampling Kit Packed By: MCCOY_I
 Preservatives Needed: NO
 Date to Receive Samples: 15-MAR-2021
 Logged In By:

Send Final Report To:

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

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

Bottle Group A - Priority 1
 For algal dominant taxon.

Bottle Group B - Priority 1
 For toxins, 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 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: 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.
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 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

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