



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

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

RQ-2020-07-13-52		Collected By:	J. Parrish + K. McDonald
Customer:	KM ZIFLA WQAP	Field Report Prepared By:	K. McDonald
Project ID:	Algae Response	Sampling Agency:	FDEP NEROX
Location:	BLOOM-RESP	HAB ST VINCENT	
WIN / Field ID:		Comments: bloom only visible under sunlight -> hard to see when a cloud passes	

SULFURIC ACID <81%
DANGER
F900-20-0
7782-18-8
Contains: 1:1 H2SO4

May be corrosive to metals. Causes severe skin burns and eye damage. Do not breathe fumes/vapors. Wash thoroughly after handling. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection. Avoid contact with skin. If SMALL AMOUNT: rinse mouth. Do NOT induce vomiting. IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Store locked up. Store in corrosion resistant container with a resistant acid liner.

THORNO FIBER SCIENTIFIC
520 NORTH MAIN STREET
MIAMI, FL 33136
1-822-450-7711

Contains: 1:1 H2SO4
Lot No.: SA9301030
Expires: 10/28/20

SJR at St. Vincent Hosp.

WIN ID:	NEHAB0008	Coordinates:	30.307226, -81.688623
Matrix:	Salt	Collection Equip:	sample bottle + pole + Pro DSS
	(Grab)	High Tide Time:	0950
		Low Tide Time:	1547
		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)
7/20/2020	1220	98.6	7.13	31.2	7.91	0.3	0.88	0.4	7459	4.07

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: _____	

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		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	
K. McDonald	7/20/2020 11030	13 via FedEx			

Florida Department of Environmental Protection
Central Laboratory Submittal Form

Algal Bloom Response- NEROC

last revised Jan 25, 2018

Customer: WQAP

Requester: Jeremy M. ParrishField Report Prepared By: K. McDonald

Project ID: BLOOM-RESP

Collected By: J. Parrish + K. McDonaldSampling Agency: FDEP NEROC

Location		WIN / Field ID:  HAB ST VINCENT		☐ Comp ☒ Grab		Collection (comp begin or grab)		☒ Eastern ☐ Central		Composite end		Bottle Group(s)	
Field ID				Date		Time		Date		Time		(See pg 2)	
WIN/STC		SJR at St. Vincent Hosp.		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		☒ mg/L ☐ % sat		Total Res. Chlorine (mg/L)		A, B, C	
Latitude		☐ dd ☐ dms		Longitude		☐ dd ☐ dms		Temp (C)		pH		Sample Depth	
								31.2		7.91		0.3 m	
Salinity (ppt)		4.07		Comments									

Location		WIN / Field ID		☐ Comp ☐ Grab		Collection (comp begin or grab)		☐ Eastern ☐ Central		Composite end		Bottle Group(s)	
Field ID				Date		Time		Date		Time		(See pg 2)	
WIN/STORET #				Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		☐ mg/L ☐ % sat		Total Res. Chlorine (mg/L)			
Latitude		☐ dd ☐ dms		Longitude		☐ dd ☐ dms		Temp (C)		pH		Sample Depth	
Salinity (ppt)				Comments									

Location		WIN / Field ID		☐ Comp ☐ Grab		Collection (comp begin or grab)		☐ Eastern ☐ Central		Composite end		Bottle Group(s)	
Field ID				Date		Time		Date		Time		(See pg 2)	
WIN/STORET #				Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		☐ mg/L ☐ % sat		Total Res. Chlorine (mg/L)			
Latitude		☐ dd ☐ dms		Longitude		☐ dd ☐ dms		Temp (C)		pH		Sample Depth	
Salinity (ppt)				Comments									

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Latitude		☐ dd ☐ dms		Longitude		☐ dd ☐ dms		Temp (C)		pH		Sample Depth	
Salinity (ppt)				Comments									

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Latitude		☐ dd ☐ dms		Longitude		☐ dd ☐ dms		Temp (C)		pH		Sample Depth	
Salinity (ppt)				Comments									

Relinquished By:	Date/Time	Shipping Method	Number of Coolers Shipped:	Received By:	Date/Time
<u>K McDonald</u>	<u>7/20/2020 1030</u>	<u>FedEx</u>	<u>3</u>		

Group: A	Bottle Type:	PT-50ML	# of Bottles: 6	Preservative:	ICE	Enter Number of Bottles Sent to Lab	1
BLOOM-ID							
Group: B	Bottle Type:	BP-1L	# of Bottles: 6	Preservative:	ICE	Enter Number of Bottles Sent to Lab	1
CHLSUITE-W							
Group: B	Bottle Type:	BG-250ML-WDMT H	# of Bottles: 6	Preservative:	ICE	Enter Number of Bottles Sent to Lab	1
W-MCYST-AA							
Group: B	Bottle Type:	P-500ML	# of Bottles: 6	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab	1
W-NH3							
W-NO2NO3							
W-S-A-TP							
W-TKN							
Group: B	Bottle Type:	P-125ML	# of Bottles: 6	Preservative:	FILTER-ICE	Enter Number of Bottles Sent to Lab	1
W-PO4-F							
Group: C	Bottle Type:	BP-1L	# of Bottles: 6	Preservative:	Lugols	Enter Number of Bottles Sent to Lab	1
DTY-QN-C							
PKD-QN-BV							