Appendix A

CYANOBACTERIA BLOOM RESPONSE FIELD DATA SHEET (7-6-06 V2)

WATERBODY	DATE (M/D/YY):	TIME: (AM)	Case ID#:
Tampa Bay	05/28/19	1230	

COUNTY:	LOCATION:	NEAREST TOWN/CITY:
Manatee	Warners Bayou canal	Bradenton

Visit Type: Initial [X], Recon [ ], Sampling [ ], Follow- [ ]

Samples collected: [X] yes [ ] no

Samples submitted to: FDEP

Photos Taken: [X] yes [ ] no

Sample collection method: Single Grab: [X] Grab Composite: [ ] Depth integrated composite: [ ]

Sample & Analysis types: Aqueous: [X] Surface Scum: [ ] Benthic mat: [ ] Tissue: [ ]

Algal ID & enumeration: [ ] Nutrients: [X] Chl-a: [X] AGP: [ ] Turbidity: [ ] Toxin: [ ] Specify

Contains: 1:1 H2SO4
Lot No.: SA8344070
Expires: 12/10/19
See Safety Data Sheet (SDS)

SULFURIC ACID <51%
DANGER
7664-93-9

Estimated size of bloom:

Impounded: [ ] yes [X] no

Lake/Estuary Typical depth: 2.9 m deep

Inflows: [X] yes [ ] no

Outflows: [X] yes [ ] no

Stream/River/Canal: ____ m wide

Typical Transect: ____ m deep; ____ m deep; ____ m deep

Water velocity: ____ m/s (Left bank); ____ m/s (Middle); ____ m/s (Right bank)

Canopy Cover: Open: [X] Lightly Shaded (11-45%): [ ] Moderately Shaded (46-80%): [ ] Heavily Shaded: [ ]

Description of Bloom/ Present Weather conditions

Latitude	Degrees	Minutes	Seconds
	27	30	22.13

Longitude	Degrees	Minutes	Seconds
	-82	37	43.16

Print a map from GIS tool or Internet mapping service (e.g., Mapquest, Google Map)

Sketch bloom area on the attached map. Indicate wind direction.

Last rain event: ____

Rainfall amount: ____

WATER QUALITY	Depth (m):	Temp. (°C):	pH (SU):	D.O. (mg/l):	Cond. (µmho/cm) or Salinity (ppt):			Secchi (m)
Top	0.3	30.2	7.62	5.02	29.19			1.2
Mid-depth								
Bottom	1.4	29.9	7.77	4.00	30.13			

System Type: Stream: [ ] (1st - 2nd order; 3rd - 4th order; 5th - 6th order; 7th order or greater) Lake: [ ] Wetland: [X] Estuary: [ ] Other: [ ]

Water Odors (check box): Normal: [X] Sewage: [ ] Petroleum: [ ] Chemical: [ ] Other: [ ]

Water Surface (check box): Clear: [X] Scum: [ ] Globs: [ ] Slick: [ ]

Water Clarity (check box): Clear: [ ] Slightly turbid: [X] Turbid: [ ] Opaque: [ ]

Bloom Color (check box): Green: [ ] Red: [ ] Brown: [ ] Other: [ ]

Notes

Abundance:	Absent	Rare	Common	Abundant
Periphyton	[X]	[ ]	[ ]	[ ]
Fish	[ ]	[ ]	[X]	[ ]
Aquatic Macrophytes	[X]	[ ]	[ ]	[ ]
Iron/sulfur Bacteria	[X]	[ ]	[ ]	[ ]

VISIT TEAM: 8090 AGENCY:

Hannah Sprinkle Hannah 05/20/2019

Kelby Callahan

Request Number: RQ-2019-05-27-51

Warners Bayou West Bloom

Florida Department of Environmental Protection
Central Laboratory Submittal Form

last revised Jan 25, 2018

Customer: SW-DIST

Project ID: BLOOM-RESP

Requester: Sarah M Meyer

Collected By: Hannah Sprinkle

Field Report Prepared By: Hannah Sprinkle

Sampling Agency: 8040

WARNERS BAYOU WEST (barcode)	☐ Comp ☒ Grab	Collection (comp begin or grab) Date 05/28/2019 Time 1230	Eastern / Central	Composite end Date — Time	Bottle Group(s) (See pg 2) A, B, C, D
	Matrix (type, e.g., Salt, Fresh, etc) Salt	Diss. Oxygen 5.02 ☒ mg/L ☐ % sat		Total Res. Chlorine (mg/L) —	
Site Name: Warners Bayou West	Temp (C) 30.2	pH 7.62	Sample Depth 0.3 ☐ ft ☒ m	Sp. Conductance (umho/cm) —	
Latitude ☐ dd ☐ dms / Longitude ☐ dd ☐ dms	Salinity (ppt) 28.79	Comments			
Location	☐ Comp ☐ Grab	Collection (comp begin or grab) Date Time	Eastern / Central	Composite end Date Time	Bottle Group(s)
Field ID	Matrix (type, e.g., Salt, Fresh, etc)	Diss. Oxygen ☐ mg/L ☐ % sat		Total Res. Chlorine (mg/L)	
WIN/STORET #	Temp (C)	pH	Sample Depth ☐ ft ☐ m	Sp. Conductance (umho/cm)	
Latitude ☐ dd ☐ dms / Longitude ☐ dd ☐ dms	Salinity (ppt)	Comments			
Location	☐ Comp ☐ Grab	Collection (comp begin or grab) Date Time	Eastern / Central	Composite end Date Time	Bottle Group(s)
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WIN/STORET #	Temp (C)	pH	Sample Depth ☐ ft ☐ m	Sp. Conductance (umho/cm)	
Latitude ☐ dd ☐ dms / Longitude ☐ dd ☐ dms	Salinity (ppt)	Comments			
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Latitude ☐ dd ☐ dms / Longitude ☐ dd ☐ dms	Salinity (ppt)	Comments			

Relinquished By:	Date/Time	Shipping Method	Number of Coolers Shipped:	Received By:	Date/Time
Hannah Sprinkle	05/28/2019/1530	Fedex	1		

Group: C	Bottle Type:	# of Bottles: 0	Preservative:	Enter Number of Bottles Sent to Lab	1
	BLOOM-ID				
	CHLSUITE-W			Sent to lab	1
	DTY-QN-C				
	PKD-QN-C			Sent to lab	1
	W-MCYST-AA			Sent to lab	1
	W-NH3				
	W-NO2NO3				
	~~W-PO4-F~~				
	W-S-A-TP			Sent to lab	1
	W-TKN				
	W-PO4-F			Sent to lab	1