

Cyanobacteria Bloom Response Field Data Sheet

RQ-2019-08-05-44		Collected By: K McDonald A. Kalmbacher									
Customer	Sunshine Lake	Field Report Prepared By:	K. McDonald								
Project ID:	BLOOM_RESP	Sampling Agency:	FDEP DEAR								
Field ID:		Comments: Some filamentous on shore green algae obvious throughout water column → easily visible									
Matrix: surface water / fresh water		Collection Equipment:	sample bottle + pole								
Tide: ☐ Rising ☐ Falling ☐ Slack ☒ N/A		Coordinates:	29.84246, -82.33667								
High Tide Time:		Low Tide Time:									
Water Quality											
Date	Time ☒ EST ☐ CEN	D.O. (mg/L)	D.O. (%)	Temp °C	pH (SU)	Sample Depth (m)	Cond. (umho/cm)	Salinity (PPT)	Secchi Disk (m)	Total Depth (m)	
12/18/19	1240	7.30	77.9	18.5	6.61	0.321	57.8	0.03	V08	1.246	
	1242	7.15	76.3	18.5	6.60	0.778	58.0	0.03	S		
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: some streaking on shore						
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				
	Lot	SA9203100	Exp:		01/2020	☒ <2					
Filtered Nutrients (P125mL)	☒ W-PO4-F		☒ Field Filtered 0.45um Filter		☒ Ice		1	B			
Quantitative Algae	☒ DTY-QN-C / PKD-QN-C		☒ Ice ☐ Lugols								
Relinquished By:	Date/Time	Number of Coolers Shipped		Received By:	Date/Time						
Kelly McDonald	12/18/19	1									

SULFURIC ACID <61%
DANGER
7054-93-9
7732-18-5

Contains: 1.1 H2SO4
Lot No.: SA9203100
Expires: 07/22/20
See Safety Data Sheet (SDS)

May be corrosive to metals. Causes severe skin burns and eye damage. Do not breathe vapors/mist. Wash thoroughly after handling. Use only outdoors or in a well-ventilated area. Wear protective gloves/eye protection. Clothing contaminated with this product should be removed immediately. If swallowed, do not induce vomiting. If inhaled, remove victim to fresh air and keep at rest in a position comfortable for breathing. If in eyes, flush cautiously with water for several minutes.

One litered up. Store in corrosion resistant container.