Cyanobacteria Bloom Response Field Data Sheet (2019-12-09 v4)

Contains: 1:1 H2SO4
Lot No.: SA9203100
Expires: 07/22/20
See Safety Data Sheet (SDS)

SULFURIC ACID <51% — THERMO FISHER SCIENTIFIC, 5250 NORTH PALM AVENUE, FRESNO, CA 93704, 559-268-1000 — Contains: 1:1 H2SO4 — DANGER — H290-314 — 7783-06-4 — May be corrosive to metals. Causes severe skin burns and eye damage. Do not breathe dust/fume/mist/vapors/spray. Wear protective gloves/protective clothing/eye protection/face protection. Wash contaminated clothing before reuse. If swallowed: Rinse mouth. Do NOT induce vomiting. IF ON SKIN (or hair): 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 corrosive / resistant container with a resistant inner liner.

RQ - 2019-12-09-62		**Collected By:**	Matthew Bearden
Customer:	21 FLTPA	**Field Report Prepared By:**	Matthew Bearden
Project ID:	Bloom Resp-SW	**Sampling Agency:**	SW ROC

Location: Tiger Lake - NW LOBE

Comments: Bloom observed throughout lake, heaviest concentration on western portion.

WIN/Field ID: HAB-SW-0005b

Site Name: Tiger Lake - NW Lobe

Coordinates:	27.90274009, -81.37335757
Collection Equip:	Bottles
High Tide Time:	/
Low Tide Time:	/
Matrix:	Fresh (Grab)
Tide:	☐ Rising ☐ Falling ☐ Slack ☒ N/A

Water Quality

Date	Time ☒ EST ☐ CEN	D.O. (mg/L)	D.O. (%)	Temp (°C)	pH (SU)	Sample Depth (m)	Sp. Cond. (µmho/cm)	Salinity (PPTh)	Secchi Disk (m)	Total Depth (m)
12/10/19 ~~1040~~	1040	13.06	145.6	20.7	9.43	0.3	123.7	0.06	0.3	1.3
/	/	/	/	/	/	/	/	/	/	

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
	Lot 9203100	Exp: 7/22/20	☐ <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		1	C

Relinquished By:	Date/Time	Number of Coolers Shipped	Received By:	Date/Time
M. Bearden	12/10/19 1600	1		

Ref:
Dep:
Date: 18Nov19
Wgt: 10.00 LBS
DV: 0.00

SHIPPING:	0.00
SPECIAL:	0.00
HANDLING:	0.00
TOTAL:	0.00

Svc: PRIORITY OVERNIGHT
TRCK: 1278 4009 3675