

Cyanobacteria Bloom Response Field Data Sheet

2021 RQ-2019-07-26-26		Collected By: B Davis, J Lee	
Customer: WQMP	Field Report Prepared By: B Davis		
Project ID: BLOOM_RESP	Sampling Agency: FDEP		

WIN ID/Field ID:  20030518
GOODBYS CR @ SR-13

Comments:

Matrix: SW	Collection Equipment: Outho #3
Grab	Coordinates: 30.2159, 81.6161
Tide: ☐ Rising ☒ Falling ☐ Slack ☐ N/A	High Tide Time: 1340 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)
8/10/21	1500	6.36	84.8	31.0	7.29	0.3	428.4	0.20	0.7	1.398 1.420

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 SA0353110 Exp: 1/11/22		☒ 32		
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: B-D	Date/Time: 1600 8/10/21	Number of Coolers Shipped: 1	Received By:	Date/Time:
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CALIBRATION AND VERIFICATION LOG (FDEP SOP FT 1000-FT 1500, FD 1000-FD 4000)

Boldly "X" this box if there are qualified data on this page.

Meter ID:

Desi

RQ:

2021-08-02-44

Project:

SMP Gainesville

Notes: (1) Always wait for meter to stabilize before recording any readings.

(2) Report all digits displayed. Do not round before reporting measurements. (See special instructions for depth).

(3) For Calibrations, record calibrated meter reading. Do not record initial meter reading before calibration.

Temperature (Quarterly) FT 1400

Date of Last Temperature Verification

7/8/21

DO DEP SOP FT 1500	Name	Date	Time CT-ET	Temp °C	Baro-meter mmHg	D.O. Chart mg/L	Meter D.O. mg/L	% DO	Probe Charge	Probe Gain	Pass / Fail	Lab / Field
Calibr.	Brian Davis	8/10/21	807	22.1	765.1	8.8	8.8	100.7	✓	1.07	P/F	L/F
ICV			811	21.9	765.1	8.8	8.83	100.7	✓	1.07	P/F	L/F
CCV	J. Lee		1603	24.7	763.8	8.4	8.37	100.7	-	1.07	P/F	L/F
CCV											P/F	L/F

DO Acceptance criteria from Table ± 0.3 mg/L.

Rapid-Pulse Sensors: DO Gain Range 0.7 to 1.4; DO Charge Range 25-75.

Optical: DO gain range 0.85 to 1.15 (Pro DSS 0.75 to 1.50); DO charge N/A. Steady-state & Galvanic Sensors: DO Gain & Charge N/A.

Spec. Cond. FT 1200	Name	Date	Time CT-ET	Lot #	Expir. Date	Standard μ mhos/cm	Meter Reading μ mhos/cm	Pass / Fail	Lab / Field
Calibr.	Brian Davis	8/10/21	801	210426B	5/22	1000	1000	P/F	L/F
ICV			803	210426A	5/22	100	102.6	P/F	L/F
CCV	J. Lee		1606	210426C	5/22	1413	1407	P/F	L/F
CCV								P/F	L/F

Conductivity Acceptance criteria $\pm 5\%$

pH DEP SOP FT 1100	Name	Date	Time CT-ET	Lot #	Expir. Date	pH Buffer SU	Temp °C	Meter reading SU	mV	Pass / Fail	Lab / Field
Calibr.	Brian Davis	8/10/21	816	2012E39	12/22	7.02	22.4	7.01	-76.1	P/F	L/F
Calibr.			822	2103659	3/23	4.00	22.8	4.00	162.6	P/F	L/F
Calibr.			825	2107A04	12/22	10.02	22.8	10.03	188.2	P/F	L/F
ICV			829	2104E81	4/23	7.01	22.7	7.02	-14.4	P/F	L/F
CCV	J. Lee		1608	2107A04	12/22	10.02	22.7	10.11	-14.0	P/F	L/F
CCV										P/F	L/F

pH Acceptance criteria ± 0.2 SU; mV pH 7 Range 0 $\pm$ 50; mV pH 4 Range +180 $\pm$ 50; mV pH 10 Range -180 $\pm$ 50;

If mV are recorded: slope from 7 to 10 172.1, slope from 4 to 7 178.7 (both must be between 165 and 180 mV)

Does meter have a depth sensor that will be used to measure total depth & sample depth? YES / NO / NA (not surf. water project)

If YES, complete daily Calibr. & ICV below and list date of last quarterly depth verification: 5/18/21

If NO, what will be used? (circle one) Secchi Disk Line / Sonar Unique ID: _____; Date of last verification: _____

Depth Sensor (Daily Calibration & ICV)	Name	Date	Time CT-ET	Calibrated Value (0.00 or Offset), meters	ICV Value, meters	Pass / Fail	Lab / Field
Pressure mode in air	Brian Davis	8/10/21	833	0.00	0.00	P/F	L/F

Report two decimal places. Round numbers ≤ 4 down, ≥ 5 up. ICV acceptance criteria $\pm 5\%$ or ± 0.05 m, whichever is greater.

COMMENTS: