

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:

YSI 6651

RQ:

2021-07-26-26

Project:

Algae Bloom Response

- 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.	J. Parnish	8/9/21	1130	22.1	764.4	8.8	8.8	100.6	—	1.064	(P) F	(D) F
ICV	J	8/9/21	1132	22.1	764.4	8.8	8.78	100.5	—	1	(P) F	(D) F
CCV	J. Parnish	8/9/21	1355	23.4	764	8.5	8.6	101.0	—	—	(P) F	(D) 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.	J. Parnish	8/9/21	1133	210426B	5/22	1000	1000	(P) F	(D) F
ICV	J	8/9/21	1134	210426A	5/22	100	101.2	(P) F	(D) F
CCV	J. Parnish	8/9/21	1356	210426C	5/22	1413	1402	(P) F	(D) 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.	J. Parnish	8/9/21	1135	2104E81	4/23	7.	22.5	7.01	-17.7	(P) F	(D) F
Calibr.	J		1138	2103659	3/23	4.	22.6	4.00	150	(P) F	(D) F
Calibr.	J		1139	2107A04	12/22	10.	22.6	16.03	-190	(P) F	(D) F
ICV	J		1140	2103659	3/23	4.	22.6	4.06	155.5	(P) F	(D) F
CCV	J		1357	2107A04	12/22	10.	22.6	10.06	-192.5	(P) F	(D) F
CCV										P / F	L / F

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

If mV are recorded: slope from 7 to 10 172.3, slope from 4 to 7 177.7 (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	J. Parnish	8/9/21	1142	0.00	0.00	(P) F	(D) F

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

COMMENTS:

Cyanobacteria Bloom Response Field Data Sheet

RQ-2019- 2021-07-26-26		Collected By:	J Parrish / K. McDonald		
Customer	21FLA	Field Report Prepared By:	K. McDonald		
Project ID:	BLOOM_RESP	Sampling Agency:	FDEP		
Field ID:					

WIN ID/Field ID: 

NEHAB0027

LSJR @ Inwood park

Comments:
cloudy; no recent significant rainfall.

Sample collected while wading

Collection Equipment: Pole & Bottle

Matrix:	Fresh	☒ Grab	Coordinates:	30.2923223, -81.6554916	
Tide:	☐ Rising ☒ Falling ☐ Slack ☐ N/A	High Tide Time:	1127	Low Tide Time:	1725

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)
8/9/21	1300	8.75	116.7	30.9	8.02	0.3	701	0.34	0.45	0.816

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-P04-F ☒ Field Filtered 0.45um Filter	☒ Ice		1	B
Quantitative Algae	☒ DTY-QN-C / PKD-QN-C	☒ Ice ☐ Lugols		1	B

Relinquished By:	Date/Time	Number of Coolers Shipped	Received By:	Date/Time
K. McDonald	8/9/2021 1600	1 via FedEx		