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: 153484 **RQ-** 2022-08-29-43 **Project:** HAB

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 7-22

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.	Paul Blair	9-7-22	7:39	22.3	758.1	8.71	8.69	99.5		1.15	(P)/ F	(L)/ F
ICV	"	"	7:40	22.3	756.2	8.70	8.69	100.0		"	(P)/ F	(L)/ F
CCV	"	"	12:15		756.0	8.50	8.56	100.3		"	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 µmhos/cm	Meter Reading µmhos/cm	Pass / Fail	Lab / Field
Calibr.	Paul Blair	9-7-22	7:42	220608D	6-23	1000	1000	(P)/ F	(L)/ F
ICV	"	"	7:43	210987	9-23	100	100.2	(P)/ F	(L)/ F
CCV	"	"	12:17	210987	9-23	100	99.0	(P)/ F	(L)/ F
CCV								P / F	L / F

Conductivity Acceptance criteria ± 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.	Paul Blair	9-7-22	7:45	210817D	2-23	7.01	23.4	7.01	-22.7	(P)/ F	(L)/ F
Calibr.	"	"	7:46	220405A	10-23	4.01	24.1	4.06	149.8	(P)/ F	(L)/ F
Calibr.	"	"	7:47	220405E	10-23	10.02	24.1	10.61	-192.3	(P)/ F	(L)/ F
ICV	"	"	7:48	"	"	10.02	23.9	10.01	-192.4	(P)/ F	(L)/ F
CCV	"	"	12:20	220405A	10-23	4.01	23.5	4.08	143.4	(P)/ F	(L)/ F
CCV										P / F	L / F

pH Acceptance criteria ± 0.2 SU; mV pH 7 Range 0 ± 50; mV pH 4 Range +180 ± 50; mV pH 10 Range -180 ± 50;
If mV are recorded: slope from 7 to 10 169.6, slope from 4 to 7 172.5 (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: _____
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	Paul Blair	9-7-22	7:55	0.00	0.00	(P)/ F	(L)/ F

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

COMMENTS:

Form effective August 1, 2018

Request Number: RQ-2022-08-29-43

Algal Bloom Response - TLHROC

Florida Department of Environmental Protection
Central Laboratory Submittal Form

last revised Jan 25, 2018

Customer: WQAP

Project ID: BLOOM-RESP

Requester: Michael Eckles

Collected By: Paul Blair / Trey Fitzgerald

Field Report Prepared By: Paul Blair

Sampling Agency: 8034

Location: Lake Jackson Rhoden Cove	☐ Comp ☑ Grab	Collection (comp begin or grab) Date 9-7-22 Time 9:55	(Eastern) Central	Composite end Date Time
Field ID: TLHRHAB0016	Matrix (type, e.g., Salt, (Fresh), etc)	Diss. Oxygen ☑ mg/L ☐ % sat	Total Res. Chlorine (mg/L)	Bottle Group(s) (See pg 2): A/B
WIN/STORET #	Temp (C) 26.9	pH 6.23	Sample Depth 0.15 ☐ ft ☑ m	Sp. Conductance (umho/cm) 91.7
Latitude ☐ dd ☐ dms	Longitude ☐ dd ☐ dms	Salinity (ppt) 0.03	Comments	

Location	☐ Comp ☐ Grab	Collection (comp begin or grab) Date Time	Eastern Central	Composite end Date Time
Field ID	Matrix (type, e.g., Salt, Fresh, etc)	Diss. Oxygen ☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L)	Bottle Group(s)
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
Field ID	Matrix (type, e.g., Salt, Fresh, etc)	Diss. Oxygen ☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L)	Bottle Group(s)
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
Field ID	Matrix (type, e.g., Salt, Fresh, etc)	Diss. Oxygen ☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L)	Bottle Group(s)
WIN/STORET #	Temp (C)	pH	Sample Depth ☐ ft ☐ m	Sp. Conductance (umho/cm)
Latitude ☐ dd ☐ dms	Longitude ☐ dd ☐ dms	Salinity (ppt)	Comments	

Relinquished By:	Date/Time	Shipping Method	Number of Coolers Shipped:	Received By:	Date/Time
Paul Blair	9-7-22 / 12:10	HD	1	K	9-7-2022 12:10

Group: A	Bottle Type: BLOOM-ID	PT-50ML	# of Bottles: 6	Preservative:	ICE	**Enter Number of Bottles Sent to Lab** _____
Group: B	Bottle Type: CHLSUITE-W	BP-1L	# of Bottles: 6	Preservative:	ICE	**Enter Number of Bottles Sent to Lab** _____
Group: B	Bottle Type: W-MCYST-AA W-SAXTN-MS	P-125ML MICROCYSTINS	# of Bottles: 6	Preservative:	ICE	**Enter Number of Bottles Sent to Lab** _____
Group: B	Bottle Type: W-NH3 W-NO2NO3 W-S-A-TP W-TKN	P-500ML	# of Bottles: 6	Preservative:	ICE And H2SO4	**Enter Number of Bottles Sent to Lab** _____
Group: B	Bottle Type: W-PO4-F	P-125ML	# of Bottles: 6	Preservative:	FILTER-ICE	**Enter Number of Bottles Sent to Lab** _____