

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: 5

RQ: 2018-8-13-76

Project: Citrusa long

- 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 6/19/18

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.	Chase Corley	8/16/18	0705	25.2	760	8.23	8.23	100	69.6		P/F	L/F
ICV	Chase Corley	8/16/18	0707	25.1	760	8.25	8.20	100	69.6		P/F	L/F
CCV	JOHN BARRINGTON	8/16/18	1544	24.8	760	8.29	8.44	102.4			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.	Chase Corley	8/16/18	0710	18032A	4/19	1000	1000	P/F	L/F
ICV	Chase Corley	8/16/18	0712	18032A	4/19	500	500	P/F	L/F
CCV	JOHN BARRINGTON	8/16/18	1547	18032C	4/19	100	102	P/F	L/F
CCV			1548	271K27	11/19	50,000	49992	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.	Chase Corley	8/16/18	0714	180084	2/20	7.0	25.2	7.0		P/F	L/F
Calibr.	Chase Corley	8/16/18	0716	181456	4/20	4.0	25.2	4.0		P/F	L/F
Calibr.	Chase Corley	8/16/18	0720	181282	5/20	10.0	25.2	10.0		P/F	L/F
ICV	Chase Corley	8/16/18	0722	181456	4/20	4.0	25.3	4.0		P/F	L/F
CCV	JOHN BARRINGTON	8/16/18	1550	181282	5/20	10.0	24.92	9.92		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 $+180 \pm 50$;

mV pH 10 Range -180 ± 50 ;

If mV are recorded: slope from 7 to 10

slope from 4 to 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:

If NO, what will be used? (circle one) Secchi Disk / Sonar Unique ID: DEEPBLUE Date of last verification: 7/10/18

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						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: