

CALIBRATION AND VERIFICATION LOG (FDEP SOP FT 1000-FT 1500, FD 1000-FD 4000)

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

Meter ID:

18

Project:

Caloosa Long term

RQ-2017-09-04-02

Notes: (1) Numbers ≤ 4 , are rounded down; numbers ≥ 5 are rounded up (e.g., 5.15 becomes 5.2).

(2) Always wait for meter to stabilize before recording any readings.

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

Circle/Fill In: Lab Calibration or

Calibration/Verification on Site

Temperature (Quarterly) FT 1400

Date of Last Temperature Verification

8/21/17

DO DEP SOP FT 1500	Name	Date	Time (ET)	Temp. (°C)	D.O. Chart mg/L	Meter D.O. mg/L	% DO	Probe Charge	Probe Gain	Pass / Fail	Lab / Field
Calibr.	Chase Conley	9/20/17	0715	24.2	8.4	8.4	100	41		☒ F	☒ F
ICV	Chase Conley	9/20/17	0717	24.2	8.4	8.4	100	41		☒ F	☒ F
CCV	Steve Coffey	9/20/17	1532	23.9	8.4	8.7	103	41		☒ F	☒ F
CCV										P F	L F

Report DO mg/L with one decimal figure and DO % saturation as a whole number with no decimals.

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; DO charge N/A.

Steady-state & Galvanic Sensors: DO Gain & Charge N/A.

Spec. Cond. FT 1200	Name	Date	Time (ET)	Lot #	Expir. Date	Standard μ hos/cm	Meter Reading μ hos/cm	Pass / Fail	Lab / Field
Calibr.	Chase Conley	9/20/17	0720	170728A	8/18	1000	1000	☒ F	☒ F
ICV	Chase Conley	9/20/17	0722	170728B	8/18	1000		P F	L F
CCV	Chase Conley	9/20/17	0722	170421B	5/18	100	104	☒ F	☒ F
CCV	Steve Coffey	9/20/17	1540	170421A	5/18	10,000	9930	☒ F	☒ F

Report specific conductance as a whole number with no decimal figure.

Conductivity Acceptance criteria $\pm 5\%$

pH DEP SOP FT 1100	Name	Date	Time (ET)	Lot #	Expir. Date	pH Buffer SU	Meter reading SU	mV	Pass / Fail	Lab / Field
Calibr.	Chase Conley	9/20/17	0724	168705	2/19	7.0	7.0	54	☒ F	☒ F
Calibr.	Chase Conley	9/20/17	0726	171629	4/19	4.0	4.0	27	☒ F	☒ F
Calibr.	Chase Conley	9/20/17	0728	172902	4/19	10.0	9.8	-122	☒ F	☒ F
ICV	Chase Conley	9/20/17	0730	171629	4/19	4.0	3.9	28	☒ F	☒ F
CCV	Steve Coffey	9/20/17	1543	172902	4/19	10.0	9.1	-111	P ☒	☒ F
CCV	Steve Coffey	9/20/17	1544	168705	2/19	7.0	6.8	-42	☒ F	☒ F

Report pH with one decimal place; pH Acceptance criteria ± 0.2 SU; mV pH7 Range 0 $\pm$ 50; mV pH 4 Range +180 $\pm$ 50;

mV pH 10 Range -180 $\pm$ 50; Slope from 7 to 10 and 4 to 7 must be between 165 and 180 mV

Depth (Quarterly)

Date of Last Depth Verification

Depth Sensor (Daily)	Name	Date	Time CT-ET	Zero the Sensor	ICV Value	Pass / Fail	Lab / Field
Pressure mode in air				0.000			

ICV acceptance criteria $\pm 5\%$ or ± 0.05 m, whichever is greater

Notes: