

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:

B10

Project:

Sarasota SMP

- 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

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.	Veronica Ruge	3/21/17	0720	21.7	8.8	8.8	100			P F	L F
ICV	" "		0722	21.5	8.8	8.8	100			P F	L F
CCV			1526	22.1	8.7	8.7	100.2			P F	L 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 mhos/cm	Meter Reading μ mhos/cm	Pass / Fail	Lab / Field
Calibr.	Veronica Ruge	3/21/17	0725	161216A	12/17	1000	1000	P F	L F
ICV	" "		0728	161216B	6/17	100	103	P F	L F
CCV			1529	2511C38	11/17	50,000	50,245	P F	L F
CCV								P F	L 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.	Veronica Ruge	3/21/17	0730	164224	6/18	7.0	7.0	12.2	P F	L F
Calibr.	" "		0732	167431	11/18	4.0	4.0	180.1	P F	L F
Calibr.	" "		0734	161216C	6/18	10.0	10.0	-12.7	P F	L F
ICV	" "		0736	167431	11/18	4.0	4.0	177.4	P F	L F
CCV			1530	161216C	6/18	10.0	10.0	110.0	P F	L F
CCV			1535						P F	L F

Report pH with one decimal place; pH Acceptance criteria ± 0.2 SU; mV pH7 Range 0 ± 50 ;
 mV pH 10 Range -180 ± 50 ; Slope from 7 to 10 and 4 to 7 must be between 165 and 180 mV

mV pH 4 Range $+180 \pm 50$;

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			

Notes:

Date Sample data is 3/22/17

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