

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: 5 RQ: 2017-09-18-28 Project: SARASOTA SMCAD

- 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.

Circle/Fill In: Lab Calibration or Calibration/Verification on Site

Temperature (Quarterly) FT 1400

Date of Last Temperature Verification 9/28/17

DO DEP SOP FT 1500	Name	Date	Time CT-ET	Temp	D.O. Chart mg/L	Meter D.O. mg/L	% DO	Probe Charge	Probe Gain	Pass / Fail	Lab / Field
Calibr.	STAZ CAPAZ	10/18/17	0747	23.2	8.5	8.5	100	65		(P) F	(L) F
ICV	"	"	0709	23.1	8.5	8.5	100	66		(P) F	(L) F
CCV	MARYANN DUGAN	10/18/17	1514	24.3	8.371	8.6	103	64.5		(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; 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.	STAZ CAPAZ	10/18/17	0710	170728A	8/18	1000	1000	(P) F	(L) F
ICV	"	"	0714	170728B	8/18	500	502	(P) F	(L) F
CCV	MARYANN DUGAN	10/18/17	1515	170828	09/18	100	105	(P) F	(L) 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	Meter reading SU	mV	Pass / Fail	Lab / Field
Calibr.	STAZ CAPAZ	10/18/17	0716	173426	5/19	7.0	7.0	-41	(P) F	(L) F
Calibr.	"	"	0718	173425	5/19	4.0	4.0	137	(P) F	(L) F
Calibr.	"	"	0720	172902	4/19	10.0	10.0	-212	(P) F	(L) F
ICV	"	"	0721	173426	5/19	7.0	6.9	-37	(P) F	(L) F
CCV	MARYANN DUGAN	10/18/17	1517	173425	05/19	4.0	4.1	129.9	(P) F	(L) F
CCV	"	"	1518	172902	04/19	10.0	10.1	-223.7	(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)

meter equipped with depth sensor? Yes / No If yes, list date of last quarterly depth verification _____

Depth Sensor Daily Calibration & CV)	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: