

RQ-2016-06-13-34

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 name.

Meter ID:

116us

Project:

SMP Brevard

- 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

3/14/16

DO FDEP SOP FT 1500	Name	Date	Time ET-ET	Temp	D.O. Chart mg/L	Meter D.O. mg/L	% DO	Probe Charge	Probe Gain	Pass / Fail	Lab / Field
Calibr.	Brewster	6/8/16	8:00	22.8	8.6	8.6	100	53	1.1	P	L
ICV	"	"	8:05	22.8	8.6	8.6	100			P	L
CCV	Sevell	6/8/16	1730	22.8	8.6	8.4	98	59.4		P	L
CCV											

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-ET	Lot #	Expir Date	Standard umhos/cm	Meter Reading umhos/cm	Pass / Fail	Lab / Field
Calibr.	Brewster	6/8/16	8:07	200000	2/18	1000	1001	P	L
ICV	"	"	8:10	200300	3/18	100	100	P	L
CCV	Sevell	6/8/16	1730	260200	2/18	1000	1060	P	L
CCV									

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

Conductivity Acceptance criteria $\pm 5\%$

pH FDEP SOP FT 1400	Name	Date	Time ET-ET	Lot #	Expir Date	pH Buffer SU	Meter Reading SU	mV	Pass / Fail	Lab / Field
Calibr.	Brewster	6/8/16	8:11	1566051	12/17	7.0	7.0	-47*	P	L
Calibr.	"	"	8:12	158982	12/18	4.0	4.0	132*	P	L
Calibr.	"	"	8:14	156700	12/17	10.0	10.0	-22*	P	L
ICV	"	"	8:15	"	"	10.0	10.0		P	L
CCV	Sevell	6/8/16	1730	158980	12/18	4.0	3.9	140	P	L
CCV										

Report pH with one decimal place; pH Acceptance criteria ± 0.2 SU;mV pH7 Range 0 ± 50 ;mV pH 4 Range $+180 \pm 50$;mV pH 10 Range -180 ± 50 ;

Slope from 7 to 10 and 4 to 7 must be between 165 and 180 mV

Depth (Quarterly)

Date of Last Depth Verification

3/8/16

Depth Sensor (Daily)	Name	Date	Time ET-ET	Zero the Sensor	ICV Value	Pass/ Fail	Lab/ Field
Pressure mode in air	Brewster	6/8/16	8:17	0.000	0.00	P	L

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