

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

Do not "X" this box if there is qualified data on this page.

Meter ID: B115TA

Project: SMF

- 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 7/1/16

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.	M. BEARDEN	7/12	0828	23.7	8.5	8.5	100	68	1.1	P	L
ICV			0831	23.7	8.3	8.5	98			L	L
CCV	J. ASHTON	7/12	17:30	23.7	8.2	8.2	95			P	L
CCV				23.0	8.6	8.0				P	L

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.	Name	Date	Time CT-ET	Lot #	Expir. Date	Standard μ hos/cm	Meter Reading μ hos/cm	Pass / Fail	Lab / Field
FT 1200									
Calibr.	M. BEARDEN	7/12	0835	2606A06	5/18	1000	1000	P	L
ICV			0841	2601928	1/18	100	102	L	L
CCV	J. ASHTON	7/12	17:05	2603963	2/18	50,000	50,002	P	L
CCV							50,165		

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

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.	M. BEARDEN	7/12	0836	158637	1/18	7.0	7.0	-36	P	L
Calibr.			0837	158982	1/18	4.0	4.0	147	L	L
Calibr.			0839	156447	12/17	10.0	10.0	-210	L	L
ICV			0840	"	"	10.0	10.0		L	L
CCV	J. ASHTON	7/12	17:10	158637	1/18	7.0	7.1	-34	P	L
CCV										

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