

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

RQ-2017-04-17-30

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

Meter ID: 2411-300

Project: 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 4/11/17

DO DHP SOP FT 1500	Name	Date	Time CET	Temp C/F	D.O. Chart mg/L	Meter D.O. mg/L	% DO	Probe Charge	Probe Gain	Pass / Fail	Lab / Field
Calibr.	Orr C.	4/20	0740	23.8	8.5	8.5	101	-	-	P	L
ICV		1	0741	23.8	8.5	8.5	100	-	-	P	L
CCV	J Ashton	1	1500	25.3	8.2	8.3	101			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 CET	Lot #	Exptl. Date	Standard umhos/cm	Meter Reading umhos/cm	Pass / Fail	Lab / Field
Calibr.	Orr C.	4/20	0741	2608A42	7/18	1000	1000	P	L
ICV		1	0746	2610C09	10/18	100	101	P	L
CCV	J Ashton	1	1500	2608A42	7/18	1000	99.5		
CCV									

Report specific conductance as a whole number with no decimal figure. Conductivity Acceptance Criteria $\pm 5\%$

pH DHP SOP FT 100	Name	Date	Time CET	Lot #	Exptl. Date	pH Buffer SU	Meter Reading SU	mV	Pass / Fail	Lab / Field
Calibr.	Orr C.	4/20	0742	163419	6/18	7.0	7.0	-58.6	P	L
Calibr.		1	0743	163418	5/18	4.0	4.0	116.4	P	L
Calibr.		1	0744	163419	6/18	10.0	10.0	-235.1	P	L
ICV		1	0745	163419	6/18	10.0	10.0	-	P	L
CCV	J Ashton	1	1500	163418	5/18	4.0	3.95	120.2	P	L
CCV										

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

Depth Sensor (Pully)	Name	Date	Time CET	Zeroing Sensor	ICV value	Pass/ Fail	Lab/ Field
Pressure mode in air				0.000			

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