

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: 111 JON

Project: SMP 2017-04-17-29

- 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 4-4-17

DO DPSOP FT 1500	Name	Date	Time GT/ET	Temp	D.O. Chan	Meter D.O.	% DO	Probe Charge	Probe Gain	Pass / Fail	Lab / Field
Calibr.	L. Bachler	4-19-17	0715	23.4	8.5	8.5	100	73.6	11	P	L
ICV			0717	23.4	8.5	8.5	99	-	-	P	L
CCV			1015	25.4	8.5	8.4	102	-	-	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 1000	Name	Date	Time GT/ET	Lot #	Expi. Date	Standard umhos/cm	Meter Reading umhos/cm	Pass / Fail	Lab / Field
Calibr.	L. Bachler	4-19-17	0719	2608942	7/18	1000	1000	P	L
ICV			0721	2610009	6/18	10.0	10	P	L
CCV			11017	2608935	7/18	50,000	4.9789	P	L
CCV									

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

pH DPSOP FT 1400	Name	Date	Time GT/ET	Lot #	Expi. Date	pH Buffer	Meter Reading SU	mV	Pass / Fail	Lab / Field
Calibr.	L. Bachler	4-19-17	0723	1103419	6/18	7.0	7.0	-56.6	P	L
Calibr.			0725	103418	5/18	4.0	4.0	120.5	P	L
Calibr.			0727	1103419	6/18	10.0	10.0	-233.4	P	L
ICV			0729	103419	6/18	10.0	10.0	-	P	L
CCV			1019	1103419	6/18	7.0	7.0	-	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

Depth Sensor (Daily)	Name	Date	Time GT/ET	Zero the 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