

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: A. J. Jen

Project: SMP 2017-04-17-27

- 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 FDEP SOP FT 1500	Name	Date	Time CET/EST	Temp	DO Gain mg/L	Meter DO mg/L	% DO	Probe Charge	Probe Gain	Pass / Fail	Lab / Field
Calibr.	L. Baucher	4-17-17	0702	24.7	8.3	8.32	100	-100	1.07	P	L
ICV			0724	24.6	8.3	8.3	99	-	-	P	L
CCV			1537	24.5	8.34	8.47	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 Conduct FDEP 1200	Name	Date	Time CET/EST	Loc #	Expt Date	Standard umhos/cm	Meter Reading umhos/cm	Pass / Fail	Lab / Field
Calibr.	L. Baucher	4-17-17	0702	2608042	7/18	1000	1000	P	L
ICV			0728	2610009	10/18	10.6	100	P	L
CCV			1539	2608935	7/18	501000	49705	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 CET/EST	Loc #	Expt Date	pH Buffer	Meter Reading SU	mV	Pass / Fail	Lab / Field
Calibr.	L. Baucher	4-17-17	0730	163419	6/18	7.0	7.0	-50.2	P	L
Calibr.			0732	163418	5/18	4.0	4.0	127.2	P	L
Calibr.			0734	163619	6/18	10.0	10.0	-226.3	P	L
ICV			0736	163619	6/18	10.0	10.0	-	P	L
CCV			1542	163419	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 ± 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 CET/EST	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