

Ward, Monica

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: B02 RQ: 2017-12-11-18 Project: Sno

- Notes: (1) Always wait for meter to stabilize before recording any readings.
 (2) Report all digits displayed. Do not round before reporting measurements. (See special instructions for depth).
 (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 _____

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.	Curtis Mussen	12/12/17	809	19.04	9.276	9.27	100.0	61	—	☒ F	☒ F
ICV	Curtis Mussen	12/12/17	811	19.04	9.276	9.28	100.0	61	—	☒ F	☒ F
CCV	Curtis Mussen	12/12/17	1238	19.35	9.202	8.96	99.7	59	—	☒ F	☒ F
CCV										P / F	L / F

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 CT-ET	Lot #	Expir. Date	Standard μ mhos/cm	Meter Reading μ mhos/cm	Pass / Fail	Lab / Field
Calibr.	Curtis Mussen	12/12/17	758	17100SD	10/24/18	10.00	10.00	☒ F	☒ F
ICV	Curtis Mussen	12/12/17	800	17100SD	10/24/18	10.00	9.98	☒ F	☒ F
CCV	Curtis Mussen	12/12/17	1230	17100SE	10/24/18	100	100	☒ F	☒ F
CCV								P / F	L / F

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.	Curtis Mussen	12/12/17	802	170614B	12/24/18	7.0	7.00	-25	☒ F	☒ F
Calibr.	Curtis Mussen	12/12/17	804	17100SA	10/24/18	4.01	4.01	190	☒ F	☒ F
Calibr.	Curtis Mussen	12/12/17	806	170310C	9/24/18	10.01	9.98	-129	☒ F	☒ F
ICV	Curtis Mussen	12/12/17	1232	170614B	12/24/18	7.0	7.018	20	☒ F	☒ F
CCV	Curtis Mussen	12/12/17	1233	17100SA	10/24/18	4.01	4.05	187	☒ F	☒ F
CCV	Curtis Mussen	12/12/17	1234	170310C	9/24/18	10.01	10.18	-140	☒ F	☒ F

pH Acceptance criteria ± 0.2 SU; mV pH 7 Range 0 ± 50 ; mV pH 4 Range $+180 \pm 50$; mV pH 10 Range -180 ± 50 ;

If mV are recorded: slope from 7 to 10 _____, slope from 4 to 7 _____ (both must be between 165 and 180 mV)

Is meter equipped with depth sensor? ☒ Yes / No If yes, list date of last quarterly depth verification _____

Depth Sensor (Daily Calibration & ICV)	Name	Date	Time CT-ET	Calibrated Value (0.00 or Offset), meters	ICV Value meters	Pass / Fail	Lab / Field
Pressure mode in air	Curtis Mussen	12/12/17	807	0.0	0.0	☒ F	☒ F

Report two decimal places. Round numbers ≤ 4 down, ≥ 5 up. ICV acceptance criteria $\pm 5\%$ or ± 0.05 m, whichever is greater.

COMMENTS: