

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 **Bio 2**

RQ- **2017-08-14-31**

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 03/06/2017

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 Musson	8/16/17	703	23.56	8.782	8.66	100.0	35.9	—	P	LAB
ICV	Curtis Musson	8-16-17	706	23.56	8.482	8.66	102.2	35.9	—	P	LAB
CCV	Blake Spencer	8/17/17	0732	23.02	8.578	8.86	103.7	25.7	—	P	LAB
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 CT-ET	Lot #	Expir. Date	Standard μ hos/cm	Meter Reading μ hos/cm	Pass / Fail	Lab / Field
Calibr.	Curtis Musson	8/16/17	709	170310D	03/2018	1000	1000	P	LAB
ICV	Curtis Musson	8/16/17	710	170310D	03/2018	1000	1000	P	LAB
CCV	Curtis Musson	8/16/17	1647	170614C	06/2018	50,000	50,061	P	LAB
CCV									

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.	Curtis Musson	8-16-17	712	170310B	09/2018	7.0	7.00	-1	P	LAB
Calibr.	Curtis Musson	8-16-17	714	170614A	06/2018	4.01	4.01	173	P	LAB
Calibr.	Curtis Musson	8-16-17	716	170310C	09/2018	10.01	9.95	-159	P	LAB
ICV	Curtis Musson	8-16-17	718	170614A	06/2018	4.01	3.96	174	P	LAB
CCV	Curtis Musson	8-16-17	1649	170310C	09/2018	10.01	9.88	-154	P	LAB
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 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