

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 Bio #2

RQ- 2016-11-28-15

Project SAP / S+mark

- 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 09/23/2016

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	11/30/16	8:01	21.4	8.846	8.65	100.0	44.1	—	P	L
ICV	Curtis Mussen	11/30/16	8:02	21.41	8.846	8.84	100.0	44.1	—	P	L
CCV	Curtis Mussen	11/30/16	12:49	22.63	8.644	8.66	100.1	42.0	—	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 CT-ET	Lot #	Expir. Date	Standard μ hos/cm	Meter Reading μ hos/cm	Pass / Fail	Lab / Field
Calibr.	Curtis Mussen	11/30/16	0720	160330D	04/2017	1000	1000	P	LAB
ICV	Curtis Mussen	11/30/16	0722	161111E	05/2017	100	100	P	LAB
CCV	Curtis Mussen	11/30/16	1253	160330E	4/2017	50000	49925	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 Mussen	11/30/16	0725	161111B	05/2018	7.0	7.00	-24.0	P	L
Calibr.	Curtis Mussen	11/30/16	0727	160330A	4/2017	4.01	4.01	154.1	P	L
Calibr.	Curtis Mussen	11-30-16	0729	160330C	4/2017	10.01	9.97	-182.0	P	L
ICV	Curtis Mussen	11/30/16	0731	161111B	5/2018	7.00	7.07	-23.0	P	L
CCV	Curtis Mussen	11/30/16	1251	160330C	10/2017	10.01	10.00	-191	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 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

New D.O. membrane