

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 Biodex # 2 RQ- RQ-2016-04-25-64 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 03/04/2016

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 Musson	4/27/16	0711	23.5	8.5	8.50	100.0	71.7	—	P	L
ICV	Curtis Musson	4-27-16	0713	23.5	8.5	8.50	100.0	71.7	—	P	L
CCV	Curtis Musson	4/27/16	1538	30.1	7.55	7.60	100.0	52.3	—	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 $\mu\text{mhos/cm}$	Meter Reading $\mu\text{mhos/cm}$	Pass / Fail	Lab / Field
Calibr.	Curtis Musson	4/27/16	0717	CC14162	10/15/16	996	996	P	L
ICV	Curtis Musson	4/27/16	0721	CC13882	7-15-16	101.1	101	P	L
CCV	Curtis Musson	4/27/16	1540	CC14162	10-15-16	996	1022	P	L
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.	Sustine Wallhiser	4/29/16	0723	153035	07/2017	7.0	7.00	-86	P	L
Calibr.	Sustine Wallhiser	4/29/16	0724	154634	07/2017	4.0	4.01	165.3	P	L
Calibr.	Sustine Wallhiser	4/29/16	0726	146934	10/2016	10.0	10.02	-189.2	P	L
ICV	Sustine Wallhiser	4/29/16	0728	153035	07/2017	7.0	6.96	-8	P	L
CCV	Curtis Musson	4/27/16	1542	146934	10/2016	10.0	10.04	-189.4	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 $\pm 0.05\text{m}$, whichever is greater