

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 **Bp #2**

RQ- **2016-03-07-64**

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 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.	Ben Ralys	3/8/16	7:20	20.88	8.95	8.94	100.0	46.1	-	P	L
ICV	Ben Ralys	3/8/16	7:21	20.9	8.93	8.94	100.0	46.1	-	P	L
CCV	Curtis Mussen	3/8/16	15:05	20.0	8.74	8.87	140.5	45.1	-	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.	Ben Ralys	3/8/16	7:23	CC14162	10/15/2016	996	996	P	L
ICV	Ben Ralys	3/8/16	7:24	CC14162	10/15/2016	996	996	P	L
CCV	Curtis Mussen	3/8/16	15:06	160301F	03/24/17	50,000	50,019	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.	Ben Ralys	3/8/16	7:50	156244	10/20/17	7.0	7.00	-6.1	P	L
Calibr.	Ben Ralys	3/8/16	7:33	154634	02/20/17	4.0	4.0	169.2	P	L
Calibr.	Ben Ralys	3/8/16	7:35	146934	10/20/16	10.0	10.0	-182.7	P	L
ICV	Ben Ralys	3/8/16	7:38	156244	10/20/17	7.0	6.95	-9.1	P	L
CCV	Curtis Mussen	3/8/16	15:08	156244	10/20/17	7.0	6.98	-5.4	P	L
CCV	Curtis Mussen	3/8/16	15:11	146934	10/20/16	10.0	9.95	-18.5	P	L

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