

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 ID:

#7

Project:

Smp Woodrow + Bethel 2 Allright
RQ-2017-09-25-02

- 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

7/22/17

DO DEP SOP FT 1500	Name	Date	Time (ET)	Temp. (°C)	D.O. Chart mg/L	Meter D.O. mg/L	% DO	Probe Charge	Probe Gain	Pass / Fail	Lab / Field
Calibr.	Ben Paswater	9/6/17	730	23.88	8.45	8.44	100.0	50.2		P F	L F
ICV	Ben Paswater	9/24/17	731	23.91	8.43	8.49	101.3	50.2		P F	L F
CCV	BP			23.2	8.53	8.77	102.6	50.2		P F	L F
CCV			1430							P F	L F

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 (ET)	Lot #	Expir. Date	Standard μ mhos/cm	Meter Reading μ mhos/cm	Pass / Fail	Lab / Field
Calibr.	Ben Paswater	9/6/17	733	170728A	8/18	1,000	1,000	P F	L F
ICV	Ben Paswater	9/26/17	735	170728B	8/18	500	504	P F	L F
CCV			737	206591	5/19	50,000	49522	P F	L F
CCV			1432					P F	L F

Report specific conductance as a whole number with no decimal figure.

Conductivity Acceptance criteria $\pm 5\%$

pH DEP SOP FT 1100	Name	Date	Time (ET)	Lot #	Expir. Date	pH Buffer SU	Meter reading SU	mV	Pass / Fail	Lab / Field
Calibr.	Ben Paswater	9/6/17	740	168705	2/19	7.0	7.0	19.3	P F	L F
Calibr.	Ben Paswater	9/26/17	742	171629	4/19	4.0	4.0	170	P F	L F
Calibr.	Ben Paswater	11/7	743	172902	4/19	10.0	10.0	-126	P F	L F
ICV	Ben Paswater		745	171629	4/19	4.0	4.0	165	P F	L F
CCV	BP		1435	172902	4/19	10.0	9.9	-118	P F	L F
CCV									P F	L F

Report pH with one decimal place; pH Acceptance criteria ± 0.2 SU; mV pH7 Range 0 $\pm$ 50; mV pH 4 Range +180 $\pm$ 50;
mV pH 10 Range -180 $\pm$ 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

Notes: