

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: 132237

RQ: 2017-12-11-47

Project: SMP

- Notes: (1) Always wait for meter to stabilize before recording any readings.
 (2) Report all digits displayed. Do not round before reporting measurements. (See special instructions for depth).
 (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 9/27/17

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.										P / F	L / F
ICV										P / F	L / F
CCV	Whitney Bedona	12/11/17	739	18.1	9.448	9.38	99.3	—	1.01	(P) F	(L) F
CCV	WB	12/11/17	1558	18.3	9.409	9.41	99.7	—	1.01	(P) F	(L) F

DO Acceptance criteria from Table ± 0.3 mg/L.

Optical: DO gain range 0.85 to 1.15; DO charge N/A.

Rapid-Pulse Sensors: DO Gain Range 0.7 to 1.4; DO Charge Range 25-75.

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.	Whitney Bedona	12/11/17	750	KC117-4	9/20/18	1413	1413	P / F	(L) F
ICV	WB	12/11/17	752	2703994	2/1/19	100	104	(P) F	(L) F
CCV	WB	12/11/17	1602	KC117-3	9/20/18	58640	62551	(P) F	(L) F
CCV								P / F	L / F

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.	Whitney Bedona	12/11/17	753	2610963	10/1/8	7.0	7.0	-24.7	P / F	(L) F
Calibr.	WB	12/11/17	755	2611823	10/1/8	4.0	4.0	152.2	P / F	(L) F
Calibr.	WB	12/11/17	757	2611A79	5/1/8	10.0	9.98	-193.6	P / F	(L) F
ICV	WB	12/11/17	759	2611823	10/1/8	4.0	3.97	152.7	(P) F	(L) F
CCV	WB	12/11/17	1605	2610963	10/1/8	7.0	7.0	-21.8	(P) F	(L) F
CCV									P / F	L / F

pH Acceptance criteria ± 0.2 SU; mV pH 7 Range 0 ± 50 ;

mV pH 4 Range $+180 \pm 50$;

mV pH 10 Range -180 ± 50 ;

If mV are recorded: slope from 7 to 10 168.9, slope from 4 to 7 176.9 (both must be between 165 and 180 mV)

Is meter equipped with depth sensor? Yes / No If yes, list date of last quarterly depth verification 10/16/17

Depth Sensor (Daily Calibration & ICV)	Name	Date	Time CT-ET	Calibrated Value (0.00 or Offset), meters	ICV Value meters	Pass / Fail	Lab / Field
Pressure mode in air	Whitney Bedona	12/11/17	802	0.00	0.00	(P) F	(L) F

Report two decimal places. Round numbers ≤ 4 down, ≥ 5 up. ICV acceptance criteria $\pm 5\%$ or ± 0.05 m, whichever is greater.

COMMENTS: