

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 ID: 132237

RQ: 2017-12-04-05

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 Bretana	12/5/17	0736	22.2	8.710	8.70	998	NA	1.01	☒ P / ☐ F	☐ L / ☒ F
CCV										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.	W. Bretana	12/5/17	0741	KC1174	9/20/18	1413	1413	P / F	☒ L / ☐ F
ICV	WB	12/5/17	0744	2608888	7/20/18	100	100	☒ P / ☐ F	☐ L / ☒ F
CCV	WB	12/5/17	1604	270396 200888 WB12517	2/20/19 7/20/18 WB12517	100	100	☒ 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.	WBretana	12/5/17	0746	2610963	10/18	7.0	7.00	-23.4	P / F	☒ L / ☐ F
Calibr.	WB	12/5/17	0749	2611883	10/18	4.0	4.00	154.4	P / F	☒ L / ☐ F
Calibr.	WB	12/5/17	0752	2611A79	5/18	10.0	9.98	-193.6	P / F	☒ L / ☐ F
ICV	WB	12/5/17	0754	2611883	10/18	4.0	4.04	150.5	☒ P / ☐ F	☐ L / ☒ F
CCV	WB	12/5/17	1558	2610963	10/18	7.0	7.01	-21.6	☒ 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 10 170.2, slope from 4 to 7 177.8 (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	W. Bretana	12/5/17	0756	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: