

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: YSI #3

RQ: 2017-12-04-35

Project: LSR

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

10/10/17

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.	Nicole Fredin	12/4/17	0720	22.45	8.47	8.67	100	69.6	0.97	P F	L F
ICV	↓	↓	0722	22.35	8.69	8.68	100.5	69.6	0.97	P F	L F
CCV	B - Dc	12/6/17	1530	23.11	8.56	8.54	99.8	70.6	0.97	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.	Nicole Fredin	12/4/17	0725	170720A	8/18	1,000	1,000	P F	L F
ICV	↓	↓	0730	170720B	8/18	100	101	P F	L F
CCV	B - Dc	12/6/17	1533	14132016	12/17	1413	1413	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.	Nicole Fredin	12/4/17	0735	2708B60	7/19	7.0	7.0	-9.0	P F	L F
Calibr.	↓	↓	0738	270816	9/19	4.0	4.0	165.3	P F	L F
Calibr.	↓	↓	0742	2706031	12/18	10.0	10.0	-182.8	P F	L F
ICV	↓	↓	0745	2708B60	7/19	7.0	7.02	-9.7	P F	L F
CCV	B - Dc	12/6/17	1535	2706031	12/18	10.0	10.05	-185.8	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 _____, slope from 4 to 7 _____ (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

10/10/17

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	Nicole Fredin	12/4/17	0750	0.0	-0.044	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: