

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: 12 YSI 600XLM

RQ-

Project: SMP 2017

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 10/17

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.	Chris Green	10/10/17	7:30	23.0	22.9	8.6	8.6	100	67.6	0.98	P/F L/F
ICV	II	11	7:49	24.7	8.3	8.2	99	—	—	P/F L/F	L/F
CCV	II	16:00	16:00	21.8	8.8	8.9	101	—	—	P/F L/F	L/F
CCV		10/10/17								P/F L/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 mhos/cm	Meter Reading μ mhos/cm	Pass / Fail	Lab / Field
Calibr.	Chris Green	10/10/17	7:35	170630E	07/18	1000	1000	P/F L/F	L/F
ICV	II	11	7:46	2707D83	07/19	100	102	P/F L/F	L/F
CCV	II	10/10/17	16:05	170630E	7/18	50,000	49,436	P/F L/F	L/F
CCV	II							P/F L/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.	Chris Green	10/10/17	7:37	170822C	03/19	7.0	7.0	-16.5	P/F L/F	L/F
Calibr.	II	11	7:40	170926A	10/18	4.0	4.0	158.0	P/F L/F	L/F
Calibr.	II	11	7:42	170822B	03/19	10.0	10.0	-185	P/F L/F	L/F
ICV	II	11	7:45	170822B	03/19	10.0	10.0	—	P/F L/F	L/F
CCV	II	10/10/17	16:10	170926A	10/18	4.0	4.0	—	P/F L/F	L/F
CCV									P/F L/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, slope from 4 to 7 175 (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 10/17

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						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: