

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: D/L Jon

RQ: 2018-02-26-13

Project: 5mp

- 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) ET-1400

Date of Last Temperature Verification 12/29/17

DO DEP SOP FT 1500	Name	Date	Time GT-ET	Temp	D.O. Chart mg/L	Meter D.O. mg/L	% DO	Probe Charge	Probe Gain	Pass / Fail	Lab / Field
Calibr.		3/1	715	22.09	8.92	8.73	100	65		P/F	L/F
ICV	<u>Ben Kuster</u>	3/8/18	717	22.06	8.72	8.78	100.3	64.5		P/F	L/F
CCV		1/8	1550	22.25	8.71	8.57	98.6	63		P/F	L/F
CCV										P/F	L/F

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 GT-ET	Lot #	Expir. Date	Standard μ mhos/cm	Meter Reading μ mhos/cm	Pass / Fail	Lab / Field
Calibr.		3/1	720	2709999	9/19	1,000	1,000	P/F	L/F
ICV	<u>Ben Kuster</u>	3/8/18	722	2707083	7/19	100	102	P/F	L/F
CCV		1/8	1552	2705034	5/19	50,000	50261	P/F	L/F
CCV								P/F	L/F

Conductivity Acceptance criteria $\pm 5\%$

pH DEP SOP FT 1100	Name	Date	Time GT-ET	Lot #	Expir. Date	pH Buffer SU	Meter reading SU	mV	Pass / Fail	Lab / Field
Calibr.		3/1	724	173851	3/19	7.0	7.0	-19	P/F	L/F
Calibr.		3/1	726	174998	7/19	4.0	4.0	158	P/F	L/F
Calibr.	<u>Ben Kuster</u>	3/8/18	728	170266	3/19	10.0	9.98	-196	P/F	L/F
ICV		1/8	733	174998	7/19	4.0	3.91	159	P/F	L/F
CCV		1/8	1555	173851	3/19	7.0	6.93	-175	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 10 177, 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 _____

Depth Sensor (Daily Calibration & ICV)	Name	Date	Time GT-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: