

KQ-2018-02-31-18

CALIBRATION AND VERIFICATION LOG (FDEP SOP FT 1000-FT 1500, FD 1000-FD 4000)

~~Do not~~ Boldly "X" this box where there is quality data on this page.

Meter ID: WecryRQ: 2018-10-31-18Project: 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 10/2/17

DO FDEP 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.		1/31/18	7:10	21.5	8.83	8.83	100	53		P/F	L/F
ICV		1/31/18	7:12	21.6	8.8	8.26	99.8	53		P/F	L/F
CCV		1/31/18	10:46	22.5	8.4	9.69	110	53		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 mhos/cm	Meter Reading μ mhos/cm	Pass / Fail	Lab / Field
Calibr.		1/31/18	7:14	2703D166	3/19	1,000	1,000	P/F	L/F
ICV		1/31/18	7:16	2707D83	7/19	1,000	1,044	P/F	L/F
CCV		1/31/18	10:48	2705E06	5/19	500	505	P/F	L/F
CCV								P/F	L/F

Conductivity Acceptance criteria $\pm 5\%$

pH FDEP SOP FT 1100	Name	Date	Time CT-ET	Lot #	Expir. Date	pH Buffer SU	Meter reading SU	mV	Pass / Fail	Lab / Field
Calibr.		1/31/18	7:18	171628	3/19	7.0	7.00	-19	P/F	L/F
Calibr.		1/31/18	7:20	174998	7/19	4.0	4.00	58	P/F	L/F
Calibr.		1/31/18	7:21	170266	3/19	10.0	9.99	-195	P/F	L/F
ICV				174998	7/19	4.0	3.96	189	P/F	L/F
CCV			10:50	171628	3/19	7.0	7.07	-20	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 _____

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:

Blue moon

DO membrane changed bubbled

2/1/18 put on new D.O. membrane BP (710)

Form effective October 1, 2017