

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

2017-10-02-16
SMPC/114
Creek

Boldly "X" this box if there is qualified data on this page.

Meter ID: BUSTC

RQ:

Project: 24 ST/ET 1710

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 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.	H. Sprinkle	10/9/17	0706	24.43	8.356	8.35	100.0	50.2	0.73131	P/F	L/F
ICV			0708	24.44	8.356	8.36	100.2	50.2	—	P/F	L/F
CCV			1600	25.71	8.143	8.47	21	15.5	—	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.	H. Sprinkle	10/9/17	0712	2703D66	03/19	1000	1000.0	P/F	L/F
ICV			0714	2703G21	03/19	100	102.0	P/F	L/F
CCV			1603	2701D71	01/19	5000	4998	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.	H. Sprinkle	10/9/17	0716	171628	03/19	7.0	7.00	-13.0	P/F	L/F
Calibr.			0717	171629	04/19	4.0	4.00	164.0	P/F	L/F
Calibr.			0719	164223	07/18	10.0	10.00	-190.1	P/F	L/F
ICV			0721	164223	07/18	10.0	9.98	-189.0	P/F	L/F
CCV		10/9/17	0724	164223	07/18	4.0	4.12	155.1	P/F	L/F
CCV				171629					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	H. Sprinkle	10/9/17	0703	0.17	0.170	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:

membrane popped off during sampling.