

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: **120154181**

RQ: **2018-06-18-14**

Project: **ENTER Latched**

- 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 **04-10-18**

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.	P O'Connor	06-25-18	0650	24.0	8.40	8.42	100.1	-	-	(P/F)	(L/F)
ICV	V	06-25-18	0655	24.0	8.40	8.42	100.1	-	-	(P/F)	(L/F)
CCV	P O'Connor	06-25-18	1325	24.6	8.34	8.42	106.0	-	-	(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.	P O'Connor	06-25-18	0758	180321B	04-2019	1000	1000	(P/F)	(L/F)
ICV	V	V	0700	180321A	04-2019	1000	102	(P/F)	(L/F)
CCV	P O'Connor	06-25-18	1330	1470318	09-2018	147.0	147.7	(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.	P O'Connor	06-25-18	0705	2803E45	03-2020	7.0	7.00		(P/F)	(L/F)
Calibr.			0715	2711517	10-2019	4.0	4.00		(P/F)	(L/F)
Calibr.			0720	2711521	04-2019	10.0	10.00		(P/F)	(L/F)
ICV	V	V	0725	2803E45	03-2020	7.00	7.08	-8.2	(P/F)	(L/F)
CCV	P O'Connor	06-25-18	1535	2711527	04-2019	10.0	10.02	-177.0	(P/F)	(L/F)
CCV	P O'Connor	06-25-18	1538	2711517	10-2019	4.0	4.04	168.2	(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:

QC/Scanned BT 7/12/18 JP 6/27/18