

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: 154179 RQ: 2018-11-12-28 Project: SMIP

- 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 10/17/18

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 / F	L / F
ICV										P / F	L / F
CCV	J. P. Jones	11/19/18	0720	20.5	9.003	9.13	101.5	—	—	Ⓟ / F	Ⓟ / F
CCV	J. P. Jones	11/19/18	1600	22.0	8.944	8.90	101.8	—	—	Ⓟ / F	Ⓟ / 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 CT-ET	Lot #	Expir. Date	Standard μ mhos/cm	Meter Reading μ mhos/cm	Pass / Fail	Lab / Field
Calibr.	J. P. Jones	11/19/18	0722	180517C	5/2019	5000	5000	Ⓟ / F	Ⓟ / F
ICV	↓	↓	0724	180517A	5/2019	100	103	Ⓟ / F	Ⓟ / F
CCV	J. P. Jones	11/19/18	1602	180517A	5/2019	100	103	Ⓟ / F	Ⓟ / 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.	J. P. Jones	11/19/18	0726	1805E95	4/2020	7.0	7.0	-37.9	Ⓟ / F	Ⓟ / F
Calibr.	↓	↓	0728	2803729	2/2020	4.0	4.0	143.5	Ⓟ / F	Ⓟ / F
Calibr.	↓	↓	0729	2804C20	10/2019	10.0	10.0	-203.8	Ⓟ / F	Ⓟ / F
ICV	↓	↓	0731	2804C20	10/2019	10.0	10.0	—	Ⓟ / F	Ⓟ / F
CCV	J. P. Jones	11/19/18	1604	2803729	2/2020	4.0	4.0	—	Ⓟ / F	Ⓟ / 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 10 165.9, slope from 4 to 7 181.4 (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 10/17/18

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	J. P. Jones	11/19/18	0733	0.000	0.00	Ⓟ / F	Ⓟ / F

Report two decimal places. Round numbers ≤ 4 down, ≥ 5 up. ICV acceptance criteria $\pm 5\%$ or ± 0.05 m, whichever is greater.

COMMENTS: