

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

Meter ID:

132237

RQ-

2018-02-05-25

Project:

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 details.)

(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

1/22/18

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	Lot #
Calibr.										P / F	
ICV										P / F	
CCV	NM	2/6/18	0730	21.7	8.77	8.77	99.9			0	0
CCV	↓	2/7/18	0700	22.15	8.71	8.74	100.3			0	0

DO Acceptance criteria from Table ± 0.3 mg/L.

Rapid-Pulse Sensors: DO Gain Range 0.7 to 1.4; DO Charge N/A.

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 µmhos/cm	Meter Reading µmhos/cm	Pass / Fail	Lot #
Calibr.	NM	2/6/18	0733	180124B	2/19	1000	1000	0	0
ICV	↓	↓	0735	180124A	2/19	100	104	0	0
CCV									
CCV	NM	2/7/18	0705	180124A	2/19	100	96	0	0

Conductivity Acceptance criteria ± 5%

pH DEP SOP FT 1100	Name	Date	Time CT-ET	Lot #	Expir. Date	pH Buffer SU	Meter reading SU	mV	Pass / Fail	Lot #
Calibr.	NM	2/6/18	0740	2610663	10/18	7.0	7.6		P / F	0
Calibr.	↓	↓	0742	471281	11/19	4.0	4.0		P / F	0
Calibr.	↓	↓	0744	2611A79	5/18	10.0	10.0		P / F	0
ICV	↓	↓	0745	471281	11/19	4.0	4.14	140.80	0	0
CCV										
CCV	NM	2/7/18	0710	2610663	10/18	7.0	7.04	-29.40	0	0

pH Acceptance criteria ± 0.2 SU;

mV pH 7 Range 0 ± 50;

mV pH 4 Range +180 ± 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 185 mV)

Is meter equipped with depth sensor? Yes / No If yes, list date of last quarterly depth verification 1/22/18

Depth Sensor (Daily Calibration & ICV)	Name	Date	Time CT-ET	Calibrated Value (0.00 or Offset), meters	ICV Value meters	Pass / Fail
Pressure mode in air						P / F

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

COMMENTS: