

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

Bold text in this box indicates qualified data on this form.

Meter ID:

5

RQ:

2017-08-14-2018

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 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

9/28/2017

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.	MARYANN DUGAN	10/09/17	0718	24.3	8.35	8.37	100	64.5		P/F	L/F
ICV	"	10/09/17	0720	24.3	8.35	8.35	100	64.5		P/F	L/F
CCV	"	10/09/17	0747	24.2	8.38	8.87	100	64.5		P/F	L/F
CCV										P/F	L/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 hos/cm	Meter Reading μ hos/cm	Pass / Fail	Lab / Field
Calibr.	MARYANN DUGAN	10/09/17	0722	1707284	08/18	1000	1000	P/F	L/F
ICV	"	10/09/17	0724	1704210	05/18	100	102	P/F	L/F
CCV	"	10/09/17	1432	1707283	08/18	500	499	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.	MARYANN DUGAN	10/09/17	0725	168705	02/19	7.0	7.0	-43.4	P/F	L/F
Calibr.	"	10/09/17	0727	173425	05/19	4.0	4.0	137.0	P/F	L/F
Calibr.	"	10/09/17	0730	172902	04/19	10.0	10.0	-220.4	P/F	L/F
ICV	"	10/09/17	0732	173425	05/19	4.0	4.00	137.4	P/F	L/F
CCV	"	10/09/17	0734	172902	04/19	10.0	10.1	-221	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:

DO would not pass
- Air bubble on membrane

(J)