

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 name.

Meter ID:

132237

RQ:

2018-03-05-60

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) ET 1400

Date of Last Temperature Verification

1/22/2018

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	n									P / F	L / F
CCV	MIKE KING	3/7/18	0720	21.67	8.794	8.78	99.8			(P) / F	(L) F
CCV	u	3/8/18	0715	20.75	8.950	8.94	100.8			(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 mhos/cm	Meter Reading μ mhos/cm	Pass / Fail	Lab / Field
Calibr.	mk	3/7	0725	180124C	02/2019	10000	10000	P / F	(L) F
ICV	mk	3/7	0726	180124B	02/2019	1000	1026	(P) / F	(L) F
CCV	u	3/8	0720	180124A	02/2019	100	104	(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.	mk	3/7	0730	2610663	10/2018	7.0	7.0	-30.1	P / F	(L) F
Calibr.	mk	3/7	0731	4712981	11/2019	4.0	4.0	146.8	P / F	(L) F
Calibr.	mk	3/7	0732	2611779	05/2018	10.0	10.0	-199.4	P / F	(L) F
ICV	mk	3/7	0735	4712981	11/2019	4.01	4.03		(P) F	(L) F
CCV	u	3/8	0725	2611779	05/2018	10.03			(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	u	3/7/18	0845	0.00	0.00	(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: