

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: 9

RQ: 208-04-09-41

Project: SMP-TELEGRAPH

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 03/28/2018

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.	M. Dugan	04/11/18	0735	24.1	8.403	8.43	100			(P) F	(L) F
ICV	"	"	0736	24.2	8.387	8.42	100			(P) F	(L) F
CCV	N. Rustad	04/11/18	1153	26.0	8.470	8.12	100			(P) F	(L) F
CCV					NE					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.	M. Dugan	04/11/18	0737	1803213	04/19	1000	1000	(P) F	(L) F
ICV	"	"	0740	1712113	12/18	100	104	(P) F	(L) F
CCV	N. Rustad	04/11/18	1148	170728C	08/18	10,000	10,0073	(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.	M. Dugan	04/11/18	0741	177435	10/19	7.0	7.0	9.5	(P) F	(L) F
Calibr.	"	"	0744	177759	10/19	4.0	4.0	188.9	(P) F	(L) F
Calibr.	"	"	0746	177758	10/19	10.0	10.0	-173.2	(P) F	(L) F
ICV	"	"	0749	177759	10/19	4.0	4.0	189.0	(P) F	(L) F
CCV	N. Rustad	04/11/18	1151	177435	10/19	7.0	7.0	7.3	(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: