

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:

121

RQ:

2018-03-05-53

Project:

SWP

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

12/28/17

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.	S. COFAR	3/15/18	0745	23.80	8.450	8.400	100	49.2		P/F	L/F
ICV	"	"	0706	23.60	8.482	8.500	100	49.4		P/F	L/F
CCV	S. COFAR	3/15/18	1645	23.44	8.512	8.600	100	50.1		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.	S. COFAR	3/15/18	0711	171211C	12/18	1000	1000	P/F	L/F
ICV	"	"	0715	171211B	12/18	1000	104	P/F	L/F
CCV	S. COFAR	"	0647	1706591	5/19	50,000	52412	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.	S. COFAR	3/15/18	0716	176157	8/19	7.0	7.0	-244	P/F	L/F
Calibr.	"	"	0718	177238	10/19	4.0	4.0	151	P/F	L/F
Calibr.	"	"	0720	176507	9/19	10.0	10.0	-192	P/F	L/F
ICV	"	"	0724	177238	10/19	4.0	3.97	152	P/F	L/F
CCV	S. COFAR	3/15/18	1650	176157	8/19	7.0	7.1	-241	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: