

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 page.

Meter ID:

5

RQ:

2017-12-11-07

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

9/28/17

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.	Chase Conley	12/6/17	0800	25.2	8.2	8.2	99	66	0.92	(P) F	(L) F
ICV	Chase Conley	12/6/17	0802	22.8	8.6	8.5	100	66		(P) F	(L) F
CCV	Gary Snorck	12/6/17	1319	26.1	8.1	8.0	92.1	67		(P) F	(L) F
CCV										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 hos/cm	Meter Reading μ hos/cm	Pass / Fail	Lab / Field
Calibr.	Chase Conley	12/6/17	0804	17028B	8/18	500	502	(P) F	(L) F
ICV	Chase Conley	12/6/17	0806	170828	9/18	100	97	(P) F	(L) F
CCV	Gary Snorck	12/6/17	1323	170421A	5/18	10,000	9615	(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.	Chase Conley	12/6/17	0808	173426	8/19	7.0	7.0	-33	(P) F	(L) F
Calibr.	Chase Conley	12/6/17	0810	173425	8/19	4.0	4.0	136	(P) F	(L) F
Calibr.	Chase Conley	12/6/17	0812	172902	4/19	10.0	10.0	-211	(P) F	(L) F
ICV	Chase Conley	12/6/17	0814	173425	8/19	4.0	4.1	121	(P) F	(L) F
CCV	Gary Snorck	12/6/17	1329	172902	4/19	10.0	10.0	-211	(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: