

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

Boldly "X" this box if there are qualified data on this page.

Meter ID: Friday RQ: 2021-10-4-65 Project: SMP. Contr. Flopback

- 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.

Temperature (Quarterly) FT 1400

Date of Last Temperature Verification 08/16/21

DO DEP SOP FT 1500	Name	Date	Time CT-ET	Temp °C	Baro-meter mmHg	D.O. Chart mg/L	Meter D.O. mg/L	% DO	Probe Charge	Probe Gain	Pass / Fail	Lab / Field
Calibr.	William Muller	10/04/21	0714	22.7	756.2	8.6	8.60	99.6		1.067	(P) F	(L) F
ICV	William Muller	10/04/21	0716	22.6	756.2	8.6	8.62	99.8			(P) F	(L) F
CCV	Monica Jaeger	10/04/21	1050	21.7	543.56	8.7	8.82	100.5			(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 (Pro DSS 0.75 to 1.50); 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 mhos/cm	Meter Reading μ mhos/cm	Pass / Fail	Lab / Field
Calibr.	William Muller	10/04/21	0718	1009989	08/22	2500	2500	(P) F	(L) F
ICV	William Muller	10/04/21	0720	4108672	07/23	100	101.8	(P) F	(L) F
CCV	Monica Jaeger	10/04/21	1052	1010577	10/22	10,000	9859	(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	Temp °C	Meter reading SU	mV	Pass / Fail	Lab / Field
Calibr.	William Muller	10/04/21	0726	2104375	04/23	7.00	24.9	7.00	-12.9	(P) F	(L) F
Calibr.	William Muller	10/04/21	0729	2107246	07/23	4.01	25.3	4.01	168.9	(P) F	(L) F
Calibr.	William Muller	10/04/21	0732	1106221	12/22	10.02	24.4	10.02	-184.9	(P) F	(L) F
ICV	William Muller	10/04/21	0734	2107246	07/23	4.01	25.2	4.00		(P) F	(L) F
CCV	Monica Jaeger	10/4/21	1057	1106227	12/22	10.02	23.4	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 10 172, slope from 4 to 7 181.8 (both must be between 165 and 180 mV)

Does meter have a depth sensor that will be used to measure total depth & sample depth? YES / NO / NA (not surf. water project)

If YES, complete daily Calibr. & ICV below and list date of last quarterly depth verification: _____

If NO, what will be used? (circle one) Secchi Disk Line / Sonar Unique ID: DEPER BLU82 Date of last verification: 08/16/21

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: