

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

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

Meter ID: 155077 RQ: 2022-08-15-30 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.

Temperature (Quarterly) FT 1400

Date of Last Temperature Verification 8/10

DO FDEP SOP FT 1500	Name	Date	Time CT-ET	Temp °C HH 21.7	Baro- meter mmHg	D.O. Chart mg/L	Meter D.O. mg/L	% DO	Probe Charge	Probe Gain	Pass / Fail	Lab / Field
Calibr.	Hannah H.	8/16	748	22.7	758.5	8.8	8.55	98.3			P/F	L/F
ICV	Hannah H.	8/16	758	22.6	758.8	8.9	8.61	100.7			P/F	L/F
CCV	Hannah H.	8/16	1350	23	758.1	8.6	8.37	96.4			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 µmhos/cm	Meter Reading µmhos/cm	Pass / Fail	Lab / Field
Calibr.	Hannah H.	8/16	759	2204130	4/23	1000	992	P/F	L/F
ICV	Hannah H.	8/16	804	2204130	4/23	100	99.5	P/F	L/F
CCV	Hannah H.	8/16	1353	2204130	4/23	100	98.2	P/F	L/F
CCV								P/F	L/F

Conductivity Acceptance criteria $\pm 5\%$

pH FDEP 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.	Hannah H.	8/16	806	213754	6/2023	7	23.6	7.0		P/F	L/F
Calibr.	Hannah H.	8/16	810	215478	7/23	4	23.6	4.0		P/F	L/F
Calibr.	Hannah H.	8/16	813	205284	10/22	10	23.6	10.0		P/F	L/F
ICV	Hannah H.	8/16	815	215478	7/23	4	23.6	4.03	147.8	P/F	L/F
CCV	Hannah H.	8/16	1355	213754	6/23	7	21.2	7.09	-32.9	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)

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: _____; Date of last 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	Hannah H.	8/16	815	0	0	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: