

2021-01-18-18

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: SWD RQ: 2021-02- Project: Smp SCI

- 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 11/19/20

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.		2/4	802	18.9	764		9.34	100.6			P / F	L / F
ICV	Be Paswater	2/4	804	19.0	764		9.34	100.6		992	P / F	L / F
CCV		21	1704	21.0	762		9.31	99.1			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 (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.		2/4	810	2009D48	9/22	1,000	1,000	P / F	L / F
ICV	Be Paswater	2/4	812	2006988	5/22	100	104.2	P / F	L / F
CCV		21	1705	2003E04	3/22	500	504	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.		2/4	817	202114	5/22	7.	19.1	7.00	-20	P / F	L / F
Calibr.	Be Paswater	2/4	819	203325	7/22	4.	19.5	4.00	162	P / F	L / F
Calibr.		21	822	196994	11/22	10.	19.6	10.60	-193	P / F	L / F
ICV			824	203325	5/22	4.06	19.6	382	169	P / F	L / F
CCV			1707	202114	5/22	7.00	20.7	7.11	-21	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 10 173, slope from 4 to 7 182 (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: 11/19/20If NO, what will be used? (circle one) Secchi Disk Line / Sonar Unique ID: 3; Date of last verification: 11/19/20

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: