

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

Boldly "X" this box if there is a qualified dat. this page.

Meter ID: 154179

RQ- 2022-01-10-29

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

11/4/21

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.	S. Slade	11/4/2022	0729	18.8	774.1	9.5	9.49	100.1	1.051	4	P/F	L/F
ICV	S. Slade	11/11/2022	0731	19.0	774.1	9.5	9.51	100.7	—	—	P/F	L/F
CCV	M. Rice	11/11/2022	1551	16.8	771.0	9.9	10.05	102.1	—	—	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 umhos/cm	Meter Reading umhos/cm	Pass / Fail	Lab / Field
Calibr.	S. Slade	11/11/2022	0733	210330B	04/2022	5000	5000	P/F	L/F
ICV	S. Slade	11/11/2022	0735	210525C	06/2022	600	997	P/F	L/F
CCV	M. Rice	11/11/22	1556	210525B	6/22	100	99.5	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.	S. Slade	11/11/2022	0737	202114	05/2022	7.	17.3	7.03	-19.3	P/F	L/F
Calibr.	S. Slade	11/11/2022	0739	205283	10/2022	4.	17.5	4.00	156.3	P/F	L/F
Calibr.	S. Slade	11/11/2022	0741	201473	05/2022	10.	17.8	10.09	-159.7	P/F	L/F
ICV	S. Slade	11/11/2022	0743	205283	10/2022	4.0	17.3	3.99	155.7	P/F	L/F
CCV	M. Rice	11/11/22	1557	202114	05/22	7.0	19.1	7.17	-24.7	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 10 170.4, slope from 4 to 7 175.6 (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: 11/4/21

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	S. Slade	6744	11/11/2022	0.00	0.00	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: