

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:

Haber

RQ

2021-10-25-07

Project:

SMP-CM

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

DO DEP SOP FT 1500	Name	Date	Time CT-ET	Temp °C	Baro- meter mmHg	DO Chart mg/L	Meter DO mg/L	% DO	Probe Charge	Probe Gain	Pass / Fail	Lab / Field
Calibr.	D. L. Diaz	10/27/21	0940	22.7	753	8.5	8.51	99.9	—	1.07	P/F	L/F
ICV			0944	22.7	753	8.5	8.53	99.9	—	1.07	P/F	L/F
CCV			1430	24.0	751	8.3	8.31	99.4	—	1.07	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. Conduct. FT 1200	Name	Date	Time CT-ET	Lot#	Expir. Date	Standard (μ mhos/cm)	Meter Reading (μ mhos/cm)	Pass / Fail	Lab / Field
Calibr.	D. L. Diaz	10/27/21	0946	1108F51	08/23	1500	1500	P/F	L/F
ICV			0948	1102792	01/23	100	98.3	P/F	L/F
CCV			1434	1105651	05/23	50,000	49747	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.	D. L. Diaz	10/27/21	0950	210039	10/23	7.0	23.6	7.01	-23.1	P/F	L/F
Calibr.			0952	2107E46	07/23	4.0	23.6	4.00	153.6	P/F	L/F
Calibr.			0954	2012C64	06/22	10.0	23.8	10.01	-194.4	P/F	L/F
ICV			0956	2012C64	06/22	10.0	23.8	10.00	-194.8	P/F	L/F
CCV			1436	2107E46	07/23	4.0	23.9	4.04	151.1	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	D. L. Diaz	10/27/21	0958	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: