

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: 2021-10-11-50

Project: SMP: Way Up

There

- 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.	Nicole Reistad	10/11/21	0724	24.1	754.4	8.3	8.35	99.3	—	1.059	P/F	L/F
ICV			0725	24.0	754.4	8.3	8.36	99.4	—	—	P/F	L/F
CCV	Nicole Reistad	10/11/21	1540	23.9	753.6	8.4	8.43	100.0	—	—	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.	Nicole Reistad	10/11/21	0729	1009989	08/22	2500	2500	P/F	L/F
ICV			0732	2109K87	09/23	100	102.9	P/F	L/F
CCV	Nicole Reistad	10/11/21	1535	2109K87	09/23	100	103.8	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.	Nicole Reistad	10/11/21	0735	2104J75	04/23	7.00	24.6	7.01	-14.9	P/F	L/F
Calibr.			0737	2107E46	07/23	4.01	24.4	4.00	167.6	P/F	L/F
Calibr.			0740	1106E21	12/22	10.02	24.4	10.01	-184.5	P/F	L/F
ICV			0742	2107E46	07/23	4.01	24.6	4.05	—	P/F	L/F
CCV	Nicole Reistad	10/11/21	1537	1106E21	12/22	10.01	23.8	10.07	—	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 10 169.6, slope from 4 to 7 182.5 (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: DEEPER BLUER 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: