

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:

154179

RQ:

2019-11-12

Project:

SWP

- 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

10/17/2019

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.											P / F	L / F
ICV											P / F	L / F
CCV	MIKELIN	11/12	0725	23.4	767.6	8.6	8.3	96.2			P / F	L / F
CCV	Frank Butler	11/12	1530	22.0	769.0	8.8	8.93	101.0			P / F	L / F

DO Acceptance criteria from Table 1 ± 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.	F Butler	11/12	7:41	190405A	06/2020	1000	100.1	P / F	L / F
ICV	F Butler	11/12	7:47	190405A	06/2020	100	104.2	P / F	L / F
CCV		11/12		19				P / F	L / F
CCV	F Butler	11/12	1538	190608B	6/2020	5000	4880	P / F	L / F

Conductivity Acceptance criteria ± 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.	F Butler	7:52	11/12	190405A	11/2020	7.0	23.2	7.0	72.5	P / F	L / F
Calibr.		7:55	11/12	190405F	11/2020	4.0	22.4	4.0	93.6	P / F	L / F
Calibr.		7:57	11/12	1904059	9/2020	10.0	23.2	10.0	235.9	P / F	L / F
ICV		8:01	11/12	190405B	11/2020	4.0	23.2	3.96	95.0	P / F	L / F
CCV										P / F	L / F
CCV	F Butler	11/12	1542	190405h	4/2020	7.0	23.0	7.03		P / F	L / F

pH Acceptance criteria ± 0.2 SU; mV pH 7 Range 0 ± 50; mV pH 4 Range +180 ± 50; mV pH 10 Range -180 ± 50;

If mV are recorded: slope from 7 to 10 -163.9; slope from 4 to 7 166.1 (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: 10/7/19

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	F. Butler	10/12/19	7:03	0.00	0.00	P / F	L / F

Report two decimal places. Round numbers ≤ 4 down, ≥ 5 up. ICV acceptance criteria ± 5% or ± 0.05m, whichever is greater.

COMMENTS: