

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:

Pro DSS 'Stitch'

RQ:

1020-04-06-56

Project:

Callahan

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

2/10/2020

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.	K. Imbacher	6-1-2020	0755	25.6	763.8	8.3	100.5	8.30	-	1.0336	P/F	L/F
ICV	↓	↓	0758	25.1	763.8	8.3	8.29	100.5	-	1.0336	P/F	L/F
CCV	K. Appleby	↓	1439	25.3	765.2	8.3	8.37	102.0	-	1.0336	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.	K. Imbacher	6-1-2020	0800	19108	10/2020	1.000	1.000	P/F	L/F
ICV	↓	↓	0803	190711A	07/2020	100	103.6	P/F	L/F
CCV	K. Appleby	↓	1441	19108	10/2020	1000	1002	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.	K. Imbacher	6-1-2020	0805	2911819	10/2020	7.00	25.7	7.00	-31.7	P/F	L/F
Calibr.	↓	↓	0808	291629	10/2021	4.00	25.6	4.01	152.9	P/F	L/F
Calibr.	↓	↓	0811	4912B23	5/2021	10.00	25.7	9.99	-200.8	P/F	L/F
ICV	↓	↓	0812	291629	10/2021	4.00	25.6	3.99	154.0	P/F	L/F
CCV	K. Appleby	↓	1443	2911819	10/2020	7.00	25.7	7.14	-32.5	P/F	L/F
CCV							26.3			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: 2/10/20

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	K. Imbacher	06-01-202	0815	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: