

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:

6920

RQ:

2019-04-08-01

Project:

Cont Mont

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

4/18/19

DO FDEP 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.	B = D =	4/18/19	821	24.8	760	8.29	8.31	100	/	/	P/F	L/F
ICV	"	"	823	24.6	760	8.32	8.34	99.0	/	/	P/F	L/F
CCV	Caliper	4/23/19	1726	26.4	760	8.06	8.20	102.0	-	-	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 umhos/cm	Meter Reading umhos/cm	Pass / Fail	Lab / Field
Calibr.	Brown Davis	4/18/19	735	809250	7/20	10,000	10,000	P/F	L/F
ICV	"	"	740	2803F43	3/20	1000	1037	P/F	L/F
CCV	Caliper	4/23/19	1730	2811E60	11/20	50,000	52465	P/F	L/F
CCV								P/F	L/F

Conductivity Acceptance criteria $\pm 5\%$

pH FDEP 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.	Brown Davis	4/18/19	809	18768	11/20	7.00	24.3	7.0	29.9	P/F	L/F
Calibr.	"	"	808	187188	11/20	4.01	24.6	4.0	146.6	P/F	L/F
Calibr.	"	"	815	186877	10/20	10.00	24.8	10.0	-206.8	P/F	L/F
ICV	"	"	817	18768	11/20	7.00	24.8	7.01	-30.4	P/F	L/F
CCV	Caliper	4/23/19	1735	181282	5/20	10.00	25.23	10.05	-209.9	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: 4/18/19; Date of last verification: _____
If NO, what will be used? (circle one) Secchi Disk Line / Sonar Unique ID: N/A

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: