

154179 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: 155077

RS

QC

7021-01-11-31

Project: SMP

- 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 10/13/21

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.	H Schmidt	11/11/21	0737	17.0	766	9.8	9.78	99.5			P/F	L/F
ICV	↓	↓	0758	16.5	766	9.8	9.78	99.5			P/F	L/F
CCV	↓	↓	1719	15.6	765	10.0	10.10	99.8			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 hos/cm	Meter Reading μ hos/cm	Pass / Fail	Lab / Field
Calibr.	H Schmidt	11/11/21	0753	190618B	01/21	5000	5000	P/F	L/F
ICV	↓	↓	0759	200124B	02/21	1000	1019	P/F	L/F
CCV	F. Butler	11/11/21	1800	200124	02/2021	50000	59063	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.	H Schmidt	11/11/21	0758	202114	6/22	7.05	13.8	7.05	-23.8	P/F	L/F
Calibr.	↓	↓	0759	203620	5/22	4.00	18.0	4.00	148.4	P/F	L/F
Calibr.	↓	↓	0800	204473	5/22	10.08	18.2	10.08	-28.1	P/F	L/F
ICV	↓	↓	0801	203620	5/22	4	17.9	3.97	153.3	P/F	L/F
CCV	↓	↓	1721	201473	5/22	10	18.1	9.94	-196.1	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: 10/13/21
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	H Schmidt	11/11/21	0801	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.

qua, Buggy Baron, Joe's Bay on