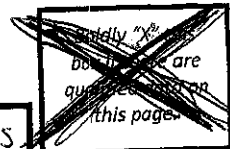


CALIBRATION AND VERIFICATION LOG (FDEP SOP FT 1000-FT 1500, FD 1000-FD 4000)

Meter ID: PRO MOVE

RQ: 2020-02-24-4

Project: SMP-Sara Cricks



- 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). *Postcal.*
 (3) For Calibrations, record calibrated meter reading. Do not record initial meter reading before calibration. *-MC*

Temperature (Quarterly) FT 1400

Date of Last Temperature Verification 1/24/20

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.	Chris Hornoth	2/24/20	0733	23.9	759.6	8.4	100.0	8.45		1.045	P/F	L/F
ICV	↓		0736	23.8	759.7	8.4	99.8	8.35			P/F	L/F
CCV	Miranda Carroll	2/24/20	1607	23.8	756.9	MC	8.80	105.0			P/F	L/F
CCV	Miranda Carroll	2/24/20	1623	24.2	757.0	8.4	8.80	105.0			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.	Chris Hornoth	2/24/20	0715	2911829	10/21	1000	1000	P/F	L/F
ICV	↓		0718	2911829	11/21	100	99.5	P/F	L/F
CCV	Miranda Carroll	2/24/20	1617	2904A78	3/21	10,000	10,013	P/F	L/F
CCV	✓	✓	1618	2909C48	9/21	50,000	49520	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.	Chris Hornoth	2/24/20	0722	1953339	08/21	7.000	24.2	6.97	-79.9	P/F	L/F
Calibr.	↓		0724	194900	07/21	4.008	24.2	3.95	99.1	P/F	L/F
Calibr.	↓		0727	196994	11/21	10.023	24.2	10.00	-258.2	P/F	L/F
ICV	↓		0730	194900	07/21	4.008	24.2	3.96		P/F	L/F
CCV	Miranda Carroll	2/24/20	1618	196994	11/21	10.02	24.0	10.02		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 10 159.1, slope from 4 to 7 19.2 (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: 12/20/19
 If NO, what will be used? (circle one) Seechi Disk Line / Sonar Unique ID: DEEP BLUE; Date of last verification: 12/20/19

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: