

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 Moves

RQ- 2020-04-06-36

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 6/8/20

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.	Chase Conley	7/1/20	0725	22.5	757.2	8.6	8.63	99.7	/	/	P/F	L/F
ICV	Chase Conley	7/1/20	0728	22.5	757.3	8.6	8.64	99.7	/	/	P/F	L/F
CCV	Chase Conley	7/1/20	1430	25.9	757.0	8.1	8.00	98.4	/	/	P/F	L/F
CCV				25.9							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.	Chase Conley	7/1/20	0730	2003C68	3/22	1000	1000	P/F	L/F
ICV	Chase Conley	7/1/20	0732	1002B20	2/22	100	101	P/F	L/F
CCV	Chase Conley	7/1/20	1432	2907F48	7/21	500	501	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.	Chase Conley	7/1/20	0735	197048	1/21	7.0	24.0	7.01	—	P/F	L/F
Calibr.	Chase Conley	7/1/20	0737	200052	2/22	4.0	24.0	4.00	—	P/F	L/F
Calibr.	Chase Conley	7/1/20	0740	196994	11/21	10.0	24.0	10.01	—	P/F	L/F
ICV	Chase Conley	7/1/20	0742	200052	2/22	4.0	23.9	4.0	—	P/F	L/F
CCV	Chase Conley	7/1/20	1434	196994	11/21	10.0	23.1	10.05	—	P/F	L/F
CCV										P/F	L/F

pH Acceptance criteria ± 0.2 SU; mV pH 7 Range 0 $\pm$ 50; mV pH 4 Range $\pm 180 \pm 50$; 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: _____

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						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: