

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

Meter ID: Pro Moves

RQ: 2019-09-16-45

Project: Algae

Boldly "X" this box if there are qualified data on this page.

- 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 10/1/19

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	10/22/19	0706	23.6	756.0	8.5	8.44	99.6			P/F	L/F
ICV	Chase Conley	10/22/19	0708	23.5	755.9	8.5	8.45	99.3			P/F	L/F
CCV	Chase Conley	10/22/19	1600	24.4	753.9	8.3	8.31	99.4			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.	Chase Conley	10/22/19	0710	2909939	8/21	1000	1000	P/F	L/F
ICV	Chase Conley	10/22/19	0712	2905F63	05/21	100	99.1	P/F	L/F
CCV	Chase Conley	10/22/19	1601	2907F487	7/21	800	496	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	10/22/19	0713	192113	04/21	7.0	24.2	7.01	-729	P/F	L/F
Calibr.	Chase Conley	10/22/19	0715	193247	05/21	4.0	24.4	4.00	106.1	P/F	L/F
Calibr.	Chase Conley	10/22/19	0717	192995	05/21	10.0	24.1	10.01	-251	P/F	L/F
ICV	Chase Conley	10/22/19	0720	193247	05/21	4.0	24.4	4.03		P/F	L/F
CCV	Chase Conley	10/22/19	1604	193874	6/21	10.0	23.7	10.2		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: _____

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: