

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:

SNEK

RQ:

2019-11-10

Project:

Continuous mon

- 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	11/19/19	0735	23.4	753.9	8.5	8.44	99.2	—	1.09	P/F	L/F
ICV	"	11/19/19	0737	23.4	753.7	8.5	8.44	99.2	—	—	P/F	L/F
CCV	BARRINGTON	11/19/19	1453	21.9	753.9	8.7	8.74	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 mhos/cm	Meter Reading μ mhos/cm	Pass / Fail	Lab / Field
Calibr.	Chase Conley	11/19/19	0738	2907040	7/21	1000	1000	P/F	L/F
ICV	Chase Conley	11/19/19	0740	2907048	7/21	500	497.9	P/F	L/F
CCV	BARRINGTON	11/19/19	1455	2909048	9/21	50000	49495	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	11/19/19	0742	193247	7/21	7.01	24.3	7.01	—	P/F	L/F
Calibr.	Chase Conley	11/19/19	0744	193247	5/21	4.00	24.2	4.0	—	P/F	L/F
Calibr.	Chase Conley	11/19/19	0747	193874	6/21	10.01	24.2	10.01	—	P/F	L/F
ICV	Chase Conley	11/19/19	0750	193247	5/21	4.01	24.3	3.93	—	P/F	L/F
CCV	BARRINGTON	11/19/19	1458	193874	6/21	10.02	23.6	10.07	—	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 5, 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: 33125 Date of last verification: 6/18/19

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: