

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

Shug Harbor
side-by-side

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

Meter ID: 6920-7

RQ: 2019-03-04-23

Project: D.O. mont.

- 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 02/14/2019

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.	Hannan Sprinkle	03/4	0725	23.85	760.0	8.43	8.44	100.0	-	1.164	P/F	L/F
ICV			0727	24.0	760.0	8.42	8.40	99.8	-	-	P/F	L/F
CCV			1406	24.80	760.0	8.29	8.33	100.9	-	-	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 Sprinkle	03/4	0735	2705D34	05/19	50000	50000	P/F	L/F
ICV			0737	2804542	03/20	20000	9985	P/F	L/F
CCV			1412	2804542	03/20	100000	9979	P/F	L/F
CCV			1414	2705D34	05/19	50000	49972	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 Sprinkle	03/4	0740	186588	10/20	7.00	24.19	7.00	48.2	P/F	L/F
Calibr.			0743	184124	07/20	4.00	24.17	4.00	127.5	P/F	L/F
Calibr.			0746	183381	05/20	10.00	24.26	10.00	224.3	P/F	L/F
ICV			0750	183381	05/20	10.00	24.24	9.98	226.8	P/F	L/F
CCV			1415	186588	10/20	7.00	24.30	7.05	44.3	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 10 184.1, slope from 4 to 7 170.7 (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: Secchi #2; 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:

-10000 for con. do. downloaded data -