

Snug Harbor

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

DO CONT. MON.

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

Meter ID: **G920-8**

RQ: **2019-04-22-20**

Project: **02/14/2019**

- 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.	H. Sprinkle	04/17	1053	23.00	760.0	8.6	8.60	100.3	-	1.1110	(P) F	(L) F
ICV		1	1100	22.81	760.0	8.6	8.63	99.4	-	-	(P) F	(L) F
CCV		04/23	1414	24.30	760.0	8.4	8.41	100.4	-	-	(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.	H. Sprinkle	04/17	1103	2709B98	09/19	50000	50000	(P) F	(L) F
ICV		1	1105	2806844	05/20	20000	19987	(P) F	(L) F
CCV		04/23	1420	2709B98	09/19	50000	49980	(P) F	(L) F
CCV		1	1423	2810946	09/20	100	103	(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	4/17	1124	186588	10/20	7.00	23.26	7.00	-55.2	(P) F	(L) F
Calibr.			1127	185909	09/20	4.00	23.29	4.00	120.3	(P) F	(L) F
Calibr.			1131	183381	05/20	10.00	23.30	10.00	-236.0	(P) F	(L) F
ICV			1133	183381	05/20	10.00	23.30	10.01	-235.7	(P) F	(L) F
CCV	H. Sprinkle	4/23	1430	186588	10/20	7.00	23.99	7.01	-59.0	(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 **180.8**, slope from 4 to 7 **175.5** (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: **2/14/2019**

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: