

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: NR18 RQ: 2022-07-11-40 Project: HAB RESPONSE

- 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 01/26/2023

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.	Sam Eriksen	01/30/2023	0913	19.8	764.3	9.092	9.15	99.2			P/F	D/F
ICV	Sam Eriksen	01/30/2023	0914	19.8	764.3	9.092	9.11	99.1			P/F	D/F
CCV	Sam Eriksen	01/30/2023	1410	26.0	761.6	8.113	8.11	99.8			P/F	D/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.	Sam Eriksen	01/30/2023	0857	A1723C	11/1/2025	2,000	2042	P/F	D/F
ICV	Sam Eriksen	01/30/2023	0901	A1623C	11/1/2025	200	198.4	P/F	D/F
CCV	Sam Eriksen	01/30/2023	1358	A1723C	11/1/2025	2,000	1997	P/F	D/F
CCV	Sam Eriksen	01/30/2023	1400	A1623C	11/1/2025	200	200.1	P/F	D/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.	Sam Eriksen	01/30/2023	0907	L0422A	11/04/2024	7.	18.8	7.27	-267.0	P/F	D/F
Calibr.	Sam Eriksen	01/30/2023	0909	J0822B	09/08/2024	4.	18.9	3.80	-171.9	P/F	D/F
Calibr.	Sam Eriksen	01/30/2023	1402	L0422A	11/04/2024	10.				P/F	L/F
ICV										P/F	L/F
CCV	Sam Eriksen	01/30/2023	1402	L0422A	11/04/2024	7	20.7	7.59	-285.8	P/F	D/F
CCV	Sam Eriksen	01/30/2023	1406	M0522C	06/08/2024	10	20.0	9.92	-359.1	P/F	D/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: PH failed, Temp failed annual check. Probes backordered