

RQ-2022-08-29-42

RQ-2022-10-31-30

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

SMP

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

Meter ID: HODOR

RQ-2022-11-14-51

Project: TREND/HAB

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

10/03/2022

DO DEP SOP FT 1500	Name	Date	Time CT-ET	Temp °C	Barometer mmHg	D.O. Chart mg/L	Meter D.O. mg/L	% DO	Probe Charge	Probe Gain	Pass / Fail	Lab / Field
Calibr.	Charlie Hoey	11/10/22	022	23.4	763.2	8.5	8.55	100.4	—	1.08	P/F	L/F
ICV	"	"	024	23.3	763.1	8.0	8.50	100.5	—	1.08	P/F	L/F
CCV	Charlie Hoey	11/10/22	1320	23.8	762.0	8.5	8.47	100.4	—	1.08	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.	Charlie Hoey	11/10/22	027	220725C	08/23	1000	1000	P/F	L/F
ICV	"	"	030	220328C	04/23	100	100.1	P/F	L/F
CCV	Charlie Hoey	11/10/22	1322	220725C	08/23	1000	981	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.	Charlie Hoey	11/10/22	035	217819	12/23	7.01	23.7	7.01	-54.2	P/F	L/F
Calibr.	"	"	040	220725A	02/24	4.01	23.9	4.01	122.4	P/F	L/F
Calibr.	"	"	044	207400	02/23	10.01	23.9	10.01	-230.5	P/F	L/F
ICV	"	"	040	207400	02/23	10.01	23.8	10.01	-230.1	P/F	L/F
CCV	Charlie Hoey	11/10/22	1324	220725A	02/24	4.01	23.7	4.15	114.4	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 10 170.3, slope from 4 to 7 170.0 (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: 10/03/2022

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	Charlie Hoey	11/10/22	048	0.00	0.00	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: