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: Hodor RQ- ~~2021-07-19-SF~~ 2021-09-16-SF Project: ~~HAB/SMP~~ Deployable

2021-09-16-SG

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 07/22/2021

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.	D. Liddick	09/27	0900	23.6	758	8.5	8.5	99.7	—	1.10	P/F	F
ICV			0902	23.6	758	8.5	8.5	99.7	—	1.10	P/F	F
CCV	Andrew Luering	9/27/21	1548	25.4	757	8.2	8.28	100.9	—	1.10	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 µmhos/cm	Meter Reading µmhos/cm	Pass / Fail	Lab / Field
Calibr.	D. Liddick	09/27	0904	1108F51	08/23	1000	1000	P/F	F
ICV			0906	1102792	01/23	100	99.6	P/F	F
CCV	Andrew Luering	9/27/21	1550	1105C51	5/2023	50,000	49,649	P/F	F
CCV								P/F	L/F

Conductivity Acceptance criteria ± 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.	D. Liddick	09/27	0908	210039	10/23	7.0	23.9	7.01	-27.4	P/F	F
Calibr.			0910	2107E46	07/23	4.0	23.8	4.00	152.6	P/F	F
Calibr.			0912	2012C64	06/22	10.0	24.0	10.01	-195.3	P/F	F
ICV			0914	2012C64	06/22	10.0	24.0	10.01	-195.5	P/F	F
CCV	Andrew Luering	9/27/21	1551	2107E46	7/2023	4.0	23.7	3.96	153.1	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 ± 50; mV pH 10 Range -180 ± 50;
If mV are recorded: slope from 7 to 10 +167.9 SF, slope from 4 to 7 180 (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: 07/22/2021
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	D. Liddick	09/27	0916	0.00	0.00	P/F	F

Report two decimal places. Round numbers ≤ 4 down, ≥ 5 up. ICV acceptance criteria ± 5 % or ± 0.05m, whichever is greater.

COMMENTS: