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

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

Meter ID: 123470 RQ- 2019-06-17-33 Project: Coast. Monitoring

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.

Circle/Fill In: (Lab Calibration) or Calibration/Verification on Site _____

Temperature (Quarterly) FT 1400 Date of Last Temperature Verification 5/6/19

DO DEP SOP FT 1500	Name (F, I, L)	Date	Time (ET)	Temp °C	D.O. Chart mg/L	Meter D.O. mg/L	%DO	Probe Charge	Probe Gain	Pass / Fail	Lab / Field
Calibr.										P / F	L / F
ICV										P / F	L / F
CCV	J. Pitts	6/13/19	1000	25.4	8.203	8.25	100.4	~~1.02~~	1.02	(P) / F	(L) F
CCV	J. Pitts	6/20/19	1100	26.0	~~8.114~~	8.10	99.6	—	—	(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; DO charge N/A. **Steady-state & Galvanic Sensors:** DO Gain & Charge N/A.

Spec. Cond. DEP SOP FT 1200	Name (F, I, L)	Date	Time (ET)	Lot #	Expir. Date	Standard (umhos/cm)	Reading (umhos/cm)	Pass / Fail	Lab / Field
Calibr.	J. Pitts	6/13/19	1002	1904051D	4/2020	1000	1000	(P) F	(L) / F
ICV	↓	↓	1004	190405C	4/2020	100	104	(P) / F	(L) F
CCV	J. Pitts	6/20/19	1102	190405C	4/2020	100	99	(P) / F	(L) F
CCV								P / F	L / F

Conductivity Acceptance criteria ± 5%

pH DEP SOP FT 1100	Name (F, I, L)	Date	Time (ET)	Lot # Buffer	Expir. Date	pH Buffer SU	Meter Reading SU	mV	Pass / Fail	Lab / Field
Calibr.						7.0			P / F	L / F
Calibr.						4.0			P / F	L / F
Calibr.						10.0			P / F	L / F
ICV									P / F	L / F
CCV									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 _____, slope from 4 to 7 _____ (both must be between 165 and 180 mV)

Is meter equipped with depth sensor? (Yes) / **No** If yes, list date of last quarterly depth verification 5/6/19

Depth Sensor (Daily Calibration & ICV)	Name (F, I, L)	Date	Time (ET)	Calibrated Value (0 for Offset method)	ICV Value	Pass / Fail	Lab / Field
Pressure mode in air	J. Pitts	6/13/19	1006	0.00	0.00	(P) F	(L) F

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

COMMENTS: