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

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

Meter ID: Biology #2 RQ- 2017-09-25-40 Project: SMP

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 _____

DO DEP SOP FT 1500	Name	Date	Time CT-ET	Temp	D.O. Chart mg/L	Meter D.O. mg/L	% DO	Probe Charge	Probe Gain	Pass / Fail	Lab / Field
Calibr.	Blake Spencer	9/27/17	0727	22.55	8.684	8.65	100.0	51.2		(P) / F	(L) F
ICV	Blake Spencer	9/27/17	0729	22.54	8.660	8.65	100.0	52.3		(P) / F	(L) F
CCV	Curtis Musson	9/27/17	1613	23.21	8.546	8.64	101.1	53.3		(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; 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.	Blake Spencer	9/27/17	0731	170310D	03/2018	1000	1001	(P) / F	(L) F
ICV	Blake Spencer	9/27/17	0732	170310D	03/2018	1000	1001	(P) / F	(L) F
CCV	Curtis Musson	9/27/17	1608	170614D	06/2018	100	104	(P) / F	(L) 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	Meter reading SU	mV	Pass / Fail	Lab / Field
Calibr.	Blake Spencer	9/27/17	0739	170310B	09/2018	7.0	7.00	34.9	(P) / F	(L) F
Calibr.	Blake Spencer	9/27/17	0746	170614A	06/2018	4.0	4.00	202.7	(P) / F	(L) F
Calibr.	Blake Spencer	9/27/17	0751	170310C	09/2018	10.0	9.99	-126.6	(P) / F	(L) F
ICV	Blake Spencer	9/27/17	0754	170310C	09/2018	10.0	10.00	-126.9	(P) / F	(L) F
CCV	Curtis Musson	9/27/17	1610	170614A	06/2018	4.01	4.18	191	(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 10 161.5, slope from 4 to 7 167.8 (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 _____

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 ± 5 % or ± 0.05m, whichever is greater.

COMMENTS: