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

Initially "X" this box if there is quality data on this page

Meter: Bio #2 | RQ-: 2017-08-07-20 | Project: SMP

pH

Notes: (1) Numbers ≤4, are rounded down; numbers ≥ 5 are rounded up (e.g., 5.15 becomes 5.2).
(2) Always wait for meter to stabilize before recording any readings.
(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 03/06/2017

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.	Curtis Musson	9/19/17	1622	22.8	8.611	8.61	100.0	53	—	Pass	LAB
ICV	Curtis Musson	9-19-17	1623	22.77	8.611	8.62	100.0	52	—	Pass	LAB
CCV	Curtis Musson	9-20-17	1307	26.22	8.084	8.12	100.5	52	—	Pass	LAB
CCV											

Report DO mg/L with one decimal figure and DO % saturation as a whole number with no decimals.
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.	Curtis Musson	9/19/17	1625	170310D	3/2018	1000	1000	Pass	LAB
ICV	Curtis Musson	9/19/17	1626	170310D	3/2018	1000	1000	Pass	LAB
CCV	Curtis Musson	9/20/17	1309	170614D	6/2018	100	104	Pass	LAB
CCV									

Report specific conductance as a whole number with no decimal figure. 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.	Curtis Musson	9/19/17	1627	170310B	9/2618	7.0	7.00	34	Pass	LAB
Calibr.	Curtis Musson	9/19/17	1629	170614A	6/2018	4.01	4.01	206	Pass	LAB
Calibr.	Curtis Musson	9/19/17	1631	170310C	9/18	10.01	9.93	416	Pass	LAB
ICV	Curtis Musson	9/19/17	1633	170614A	6/2018	4.01	3.81	213	Pass	LAB
CCV	Curtis Musson	9/20/17	1311	170614A	6/2018	4.01	3.86	211	Pass	LAB
CCV	Curtis Musson	9/20/17	1312	170310C	9/2018	10.01	9.50	—	Fail	LAB

Report pH with one decimal place; pH Acceptance criteria ±0.2 SU; mV pH7 Range 0±50; mV pH 4 Range +180±50;
mV pH 10 Range -180±50; Slope from 7 to 10 and 4 to 7 must be between 165 and 180 mV

Depth (Quarterly) Date of Last Depth Verification _____

Depth Sensor (Daily)	Name	Date	Time CT-ET	Zero the Sensor	ICV Value	Pass / Fail	Lab / Field
Pressure mode in air				0.000			

ICV acceptance criteria ±5 % or ±0.05m, whichever is greater