RQ-2017-05-29-18

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: L.1 GW3 Project: SMP Bio Blue

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 4/3/17

DO FDEP SOP FT 1420	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.	J. Pitts	6/1/17	0735	24.5	8.3	8.3	100	59.4	0.86	P	L
ICV	↓	↓	0736	24.5	8.3	8.3	100	59.4	—	P	L
CCV	Drew Liddick	"	1610	23.5	8.5	8.6	100	60.4	—	P	L
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 1220	Name	Date	Time CT-ET	Lot #	Expir. Date	Standard µmhos/cm	Meter Reading µmhos/cm	Pass / Fail	Lab / Field
Calibr.	J. Pitts	6/1/17	0738	2610B64	10/18	1000	1000	P	L
ICV	↓	↓	0739	2606C08	5/18	106	103	P	L
CCV	Drew Liddick	"	1612	1610C91	9/18	100K	101435	P	L
CCV									

Report specific conductance as a whole number with no decimal figure. Conductivity Acceptance criteria ± 5%

pH FDEP SOP FT 1100	Name	Date	Time CT-ET	Lot #	Expir. Date	pH Buffer SU	Meter reading SU	mV	Pass / Fail	Lab / Field
Calibr.	J. Pitts	6/1/17	0740	165674	8/18	7.0	7.0	-20.4	P	L
Calibr.	↓	↓	0741	164668	7/18	4.0	4.0	166.7	P	L
Calibr.	↓	↓	0742	164223	7/18	10.0	10.0	-196.4	P	L
ICV	↓	↓	0744	164223	7/18	10.0	10.0	-195.9	P	L
CCV	Drew Liddick	"	1614	164668	7/18	4.0	4.0	156.1	P	L
CCV										

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 4/3/17

Depth Sensor (Daily)	Name	Date	Time CT-ET	Zero the Sensor	ICV Value	Pass / Fail	Lab / Field
Pressure mode in air	J. Pitts	6/1/17	0746	0.000	0.00	P	L

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