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 YSI # 4 RQ- 2017-02-06-15 Project Suwannee Springs

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 Lab

Temperature (Quarterly) FT 1400 Date of Last Temperature Verification 11/2016

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.	JParrish	2/7/17	726	21.5	8.82	8.52	100	55.3		P	L
ICV	"	"	725	21.6	8.8	8.79	99.7	55.3		P	L
CCV	BDavis	2/7/17	1505	21.8	8.77	8.59	97.8	55.3		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 1200	Name	Date	Time CT-ET	Lot #	Expir. Date	Standard µmhos/cm	Meter Reading µmhos/cm	Pass / Fail	Lab / Field
Calibr.	JParrish	2/7/17	728	161101A	11/17	1000	1000	P	L
ICV	"	"	727	161101B	5/17	100	104	P	L
CCV	BDavis	2/7/17	1507	161101A	11/17	1000	973	P	L
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.	JParrish	2/7/17	728	2608904 ~~161101A~~	7/18	7.0	7.02	-8.4	P	L
Calibr.	"	"	729	2609918 ~~161~~	4/18	4.0	4.00	168.3	P	L
Calibr.	"	"	730	2607977	1/18	10.0	10.00	182.3	P	L
ICV	"	"	731	2608904	7/18	7.0	7.05	-9.5	P	L
CCV	BDavis	2/7/17	1508	2607973	4/18	10.0	10.0	-183.7	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 _____

Depth Sensor (Daily)	Name	Date	Time CT-ET	Zero the Sensor	ICV Value	Pass / Fail	Lab / Field
Pressure mode in air	JParrish	2/7/17	732	0.000	0.02	P	

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