CALIBRATION AND VERIFICATION LOG (FDEP SOP FT 1000-FT 1500, FD 1000-FD 4000) RQ-2016-03-07-12

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

Meter ID: [illegible] **Project:** Trend & SMP

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 12/13/15

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.	Brewton	3/10/16	744	22.2	8.7	8.7	100	48	1.2	P	F
ICV	Brewton	11	746	22.7	8.6	8.6	100			P	F
CCV	Brewton	3/10/16	1537	~~23~~	8.5	8.6	101			P	L
CCV				23.3							

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.	Brewton	3/10/16	746	2602002	2/18	1000	1000	P	F
ICV	11	11		2601533	12/17	100	98	P	F
CCV	Brewton	3/10/16	1540	2602002	2/18	1000	1000	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.	Brewton	3/10/16	750	156651	10/17	7.0	7.0	-29	P	F
Calibr.	11	11	751	158982	11/18	4.0	4.0	148	P	F
Calibr.	11	11	752	156700	10/17	10.0	10.0	-207	P	F
ICV	11	11	754	156700	10/17	10.0	10.0	-207	P	F
CCV	Brewton	3/10/16	1542	153225	8/17	4.0	4.1		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 01/15/16

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