1-26-2016

RQ-2016-01-25-58

DO

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 #7 **Project:** SMP/Ward-Caney-Lake Lafayette Drain

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 _____

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	1-26-16	747	19,62	9.17	9.18	100.2	28.8	~	P	L
ICV	Curtis Musson	1-26-16	748	19,66	9.17	9.19	100.4	27.7	~	P	L
CCV	Curtis Musson	1-26-16	1456	19,62	9.17	9.99	109.1	32.9	~	Fail	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.	Curtis Musson	1-26-16	753	CC14162	10/15/16	996	996	P	LAB
ICV	Curtis Musson	1-26-16	754	CC14162	10/15/16	996	996	P	LAB
CCV	Curtis Musson	1-26-16	1450	CC13882	7/15/2016	1010	103	P	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	1-26-2016	758	156244	10/2017	7.0	7,00	-21.4	P	L
Calibr.	Curtis Musson	1-26-16	801	154634	07/2017	4.0	4,00	152.0	P	L-LAB
Calibr.	Curtis Musson	1-26-16	803	146934	10/2016	10.0	10,01	-178.1	P	L
ICV	Curtis Musson	1-26-16	806	154634	07/2017	4.0	3.98	153.7	P	L
CCV	Curtis Musson	1-26-16	1452	156244	10/2017	7.00	6.96	-20.3	P	LAB
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				0.000			

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

Curtis Musson