

RQ-2016-09-05-21

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 ID: LilGus

Project: SMP - Group 1

- 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 7/11/16 6/13/16

DO DEP SOP FT 1500	Name	Date	Time (ET)	Temp	DO Gain	DO Charge	%DO	Probe Gain	Probe Charge	Pass/Fail	Lab/Field
Calibr.	Brewton	9/8/16	7:05	23.5	8.5	8.5	100	50	1.2	P	L
ICV	"	"	7:00	23.5	8.5	8.5	100			P	L
CCV	JS	"	16:00	27.2	7.9	7.9	99			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 1400	Name	Date	Time (ET)	Temp	DO Gain	DO Charge	%DO	Probe Gain	Probe Charge	Pass/Fail	Lab/Field
Calibr.	Brewton	9/8/16	7:10	24.0	0.3	0.18	1000	1000		P	L
ICV	"	"	07:18	24.0	0.3	0.18	100	102		P	L
CCV	JS	"	16:05	15.1	8.9	10/17	500	502		P	L
CCV											

Report specific conductance as a whole number with no decimal figure.

Conductivity Acceptance criteria $\pm 5\%$

pH DEP SOP FT 1000	Name	Date	Time (ET)	Temp	pH Gain	pH Charge	mV	Probe Gain	Probe Charge	Pass/Fail	Lab/Field
Calibr.	Brewton	9/8/16	7:12	16.8	5.6	04/18	7.0	7.0	105	P	L
Calibr.	"	"	07:13	16.5	2.3	03/18	4.0	4.0	105	P	L
Calibr.	"	"	07:14	16.0	9.0	03/18	10.0	10.0	-195	P	L
ICV	"	"	07:16	"	"	"	10.0	10.0			
CCV	JS	"	16:10	16.5	2.3	01/18	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 $+180 \pm 50$;

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 6/13/16

Depth Sensor (Daily)	Name	Date	Time (ET)	Zero the Sensor	ICV Value	Pass/Fail	Lab/Field
Pressure mode in air	Brewton	9/8/16	07:20	0.000	0.000	P	L

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