

RQ-2016-03-28-31

RQ-2016-03-14-10

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: LIL GUS

Project: 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

DO FDEP 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.	mult sel	3/24/16	9:00	23.0	8.6	8.6	100	54.3	1.18	P	L
ICV	mult sel	3/24/16	9:00	23.1	8.6	8.6	100	54.3		P	L
CCV	mult sel	3/24/16	1800	24.2	8.4	8.6	103	58.4		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 1200	Name	Date	Time CT-ET	Lot #	Expir Date	Standard μ mhos/cm	Meter Reading μ mhos/cm	Pass / Fail	Lab / Field
Calibr.	mult sel	3/24/16	9:05	2602002	2/18	1000	1000	P	L
ICV	mult sel	3/24/16	9:05	2601535	12/17	100	102	P	L
CCV	500 mult sel	3/24/16	1800	2601535	12/17	5000	4955	P	L
CCV									

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

Conductivity Acceptance criteria $\pm 5\%$

pH FDEP SOP FT 1400	Name	Date	Time CT-ET	Lot #	Expir Date	pH Buffer SU	Meter reading SU	mV	Pass / Fail	Lab / Field
Calibr.	mult sel	3/24/16	9:10	156651	6/17	7.0	7.0	-28	P	L
Calibr.	mult	3/24/16	9:10	158986	1/18	4.0	4.0	151	P	L
Calibr.	L	3/24	9:10	156200	12/17	10.0	10.0	-207	P	L
ICV		3/24	9:10	156200	12/17	10	10	-206	P	L
CCV	mult sel	3/24	1800	158980	1/18	4.0	4.1	139	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

Depth Sensor (Daily)	Name	Date	Time CT-ET	Zero the Sensor	ICV Value	Pass / Fail	Lab / Field
Pressure mode in air	mult sel	3/24/16		0.000			

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

RQ-201603-14-10

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 name.

Meter ID:

AE3

Project:

SMT - Red

- 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

03/14/16

DO DEP SOP FT 1500	Name	Date	Time ET-ET	Temp	D.O. Chart mg/L	Meter D.O. mg/L	% DO	Probe Charge	Probe Gain	Pass / Fail	Lab / Field
Calibr.	Brewton	3/24/16	7:43	21.6	8.8	100.5	8.8	45	1.1	P	L
ICV	"	"	7:45	21.7	8.8	8.8	100			P	L
CCV	Brewton	3/24/16	14:45	24.5	8.3	8.3	100			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 ET-ET	Lot #	Expir. Date	Standard $\mu\text{mhos/cm}$	Meter Reading $\mu\text{mhos/cm}$	Pass / Fail	Lab / Field
Calibr.	Brewton	3/24/16	7:45	2402002	02/18	1000	1000	P	L
ICV	"	"	7:52	2401533	12/17	100	101	P	L
CCV	Brewton	3/24/16	14:40	2402002	2/18	1000	998	P	L
CCV									

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

Conductivity Acceptance criteria $\pm 5\%$

pH DEP SOP FT 1100	Name	Date	Time ET-ET	Lot #	Expir. Date	pH Buffer SU	Meter reading SU	mV	Pass / Fail	Lab / Field
Calibr.	Brewton	3/24/16	7:47	150651	10/17	7.0	7.0	-16	P	L
Calibr.	"	"	7:48	158982	01/18	4.0	4.0	159	P	L
Calibr.	"	"	7:49	150700	10/17	10.0	10.0	-192	P	L
ICV	"	"	7:50	150700	10/17	10.0	10.0		P	L
CCV	Brewton	3/24/16	14:47	158982	1/18	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

03/08/16

Depth Sensor (Daily)	Name	Date	Time ET-ET	Zero the Sensor	ICV Value	Pass / Fail	Lab / Field
Pressure mode in air	Brewton	3/24/16	7:51	0.000	0.000	P	L

ICV acceptance criteria $\pm 5\%$ or $\pm 0.05\text{m}$, whichever is greater