

CALIBRATION AND VERIFICATION LOG (FDEP SOP FT 1000-FT 1500, FD 1000-FD 4000)

SMP-RO-2016-02-2224

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

Meter ID:

HE3

Project:

26 CN 1602

- 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

1/15/16

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.	Hurley	2/29	0800	20.1	9.1	9.1	100	47	1.4	P	L
ICV				20.1	9.1	9.1	100			P	L
CCV	Muth	2/29	18:00	21.6	8.8	9.0	100	47	-	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 $\mu\text{mhos/cm}$	Meter Reading $\mu\text{mhos/cm}$	Pass / Fail	Lab / Field
Calibr.	Hurley	2/29	0800	150929	10/16	1000	1000	P	L
ICV				2601533	12/17	100	102	P	L
CCV	Muth Seal	2/29	1800	150981	10/16	1000	997	P	L
CCV									

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

Conductivity Acceptance criteria $\pm 5\%$

pH DEP SOP FT 1400	Name	Date	Time CT-ET	Lot #	Expir Date	pH Buffer SU	Meter reading SU	mV	Pass / Fail	Lab / Field
Calibr.	Hurley	2/29	0800	156651	10/17	7.0	7.0	-16	P	L
Calibr.				153225	5/17	4.0	4.0	157	P	L
Calibr.				149101	1/17	10.0	10.0	-190	P	L
ICV				149101	1/17	10.0	10.0		P	L
CCV	Muth Seal	2/29	1800	153225	5/17	4.0	4.0	154	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

1/15/16

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

CALIBRATION AND VERIFICATION LOG (FDEP SOP FT 1000-FT 1500, FD 1000-FD 4000)

RQ-2016-02-22-21

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

Meter ID:

Lil Gals

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

12/15/15

DO DEP SOP FT 1500	Name	Date	Time GT-ET	Temp	D.O. Chart mg/L	Meter D.O. mg/L	% DO	Probe Charge	Probe Gain	Pass / Fail	Lab / Field
Calibr.	Brewton	02/29/16	0829	20.6	9.0	9.0	100	48.2	-5.2%	P	L
ICV	Brewton	2/29/16	0831	20.7	9.0	9.0	100			P	L
CCV	Brewton	2/29	1830	22.5	8.7	8.6	99	48.2		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 GT-ET	Lot #	Expir. Date	Standard μ mhos/cm	Meter Reading μ mhos/cm	Pass / Fail	Lab / Field
Calibr.	Brewton	2/29/16	0833	150929	10/2016	1000	1000	P	L
ICV	Brewton	2/29/16	0835	2601533	12/2017	100	98	P	L
CCV	Tom W. PPR	2/29	1830	140917A	4/16	5000	5104	P	L
CCV									

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

Conductivity Acceptance criteria $\pm 5\%$

pH DEP SOP FT 1400	Name	Date	Time GT-ET	Lot #	Expir. Date	pH Buffer SU	Meter Reading SU	mV	Pass / Fail	Lab / Field
Calibr.	Brewton	2/29/16	0839	150651	10/17	7.0	7.0	-32	P	L
Calibr.	Brewton	2/29/16	0841	153225	5/17	4.0	4.0	145	P	L
Calibr.	Brewton	2/29/16	0843	149101	1/17	10.0	10.0	-211	P	L
ICV	Brewton	2/29/16	0845	149101	1/17	10.0	10.0	-210	P	L
CCV	TW	2/29	1830	153225	5/17	4.0	4.0		P	L
CCV										

Report pH with one decimal place; pH Acceptance criteria ± 0.2 SU;

mV pH7 Range 0 $\pm$ 50;

mV pH 4 Range +180 $\pm$ 50;

mV pH 10 Range -180 $\pm$ 50;

Slope from 7 to 10 and 4 to 7 must be between 165 and 180 mV

Depth (Quarterly)

Date of Last Depth Verification

12/18/15

Depth Sensor (Daily)	Name	Date	Time GT-ET	Zero the Sensor	ICV Value	Pass / Fail	Lab / Field
Pressure mode in air				0.000			

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