

RQ-2017-07-17-12

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:

L76u5

Project:

SMP Deep

- 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

7/11/17

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.	Drew Lillard	8/9/17	734	24.5	8.3	8.3	100	62.5	0.74	P	L
ICV	//	//	736	24.5	8.3	8.3	100	62.5		P	L
CCV	//	//	1602	25.5	8.2	8.3	100	63.5		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 hos/cm	Meter Reading μ hos/cm	Pass / Fail	Lab / Field
Calibr.	Drew Lillard	8/9/17	738	2610B64	10/18	1000	1000	P	L
ICV	//	//	740	2606C08	5/18	100	100	P	L
CCV	//	//	1604	2511C38	11/17	50 K	49900	P	L
CCV									

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

Conductivity Acceptance criteria $\pm 5\%$

pH FDEP SOP FT 1100	Name	Date	Time CT-ET	Lot #	Expir. Date	pH Buffer SU	Meter reading SU	mV	Pass / Fail	Lab / Field
Calibr.	Drew Lillard	8/9/17	742	165674	8/18	7.0	7.0	-21.1	P	L
Calibr.			744	171241	3/19	4.0	4.0	157.2	P	L
Calibr.			746	164223	7/18	10.0	10.0	-196.7	P	L
ICV			748	164223	7/18	10.0	10.0	-195.8	P	L
CCV	//	//	1606	171241	3/19	4.0	4.0	156.4	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

7/11/17

Depth Sensor (Daily)	Name	Date	Time CT-ET	Zero the Sensor	ICV Value	Pass / Fail	Lab / Field
Pressure mode in air	Drew Lillard	8/9/17	750	0.000	0.000	P	L

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

RQ-2017-08-14-42

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:

LMP

- 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

Hotel

Temperature (Quarterly) FT 1400

Date of Last Temperature Verification

7/24/17

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.	Matthew Sewell	8/9	8:15	24.2	8.4	8.4	100	68.6		P	F
ICV	Matthew Sewell	8/9	8:30	24.2	8.4	8.4	100			P	F
CCV	Matthew Sewell	8/9	18:00	23.8	8.45	8.4	100	64.5		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.	Matthew Sewell	8/9	8:10	2610B64	10/18	1000	1000	P	F
ICV	Matthew Sewell	8/9	8:10	2606C08	5/18	100	105	P	F
CCV	Matthew Sewell	8/9	18:10	1610C91	11/18	100,000	10157	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 CT-ET	Lot #	Expir. Date	pH Buffer SU	Meter reading SU	mV	Pass / Fail	Lab / Field
Calibr.	Matthew Sewell	8/9	8:16	162571	4/18	7.0	7.0	-353	P	F
Calibr.				171241	3/19	4.0	4.0	143.3	P	F
Calibr.				164203	2/18	10.0	10.0	212.9	P	F
ICV	Matthew Sewell	8/9	8:25	164223	7/18	10.0	10.0	212.6	P	F
CCV	Matthew Sewell	8/9	18:15	17041	3/19	4.0	4.0	143.3	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

7/24/17

Depth Sensor (Daily)	Name	Date	Time CT-ET	Zero the Sensor	ICV Value	Pass / Fail	Lab / Field
Pressure mode in air	Matthew Sewell	8.00		0.000			

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