

RQ-2017-06-12-19

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:

#99

Project:

SMR

- 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

3/13/17

Calibr.	Name	Date	Time	Temp	DO	DO %	ICV	CCV	P	L	
Calibr.	Drew Liddick	6/12/17	736	23.5	8.5	8.5	100	34.2	1126	P	L
ICV			738	23.5	8.5	8.5	100	33.9	—	P	L
CCV	J. P. H. S.	6/12/17	1515	25.5	8.2	8.5	103	38.0	—	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.

Calibr.	Name	Date	Time	Temp	DO	DO %	ICV	CCV	P	L
Calibr.	Drew Liddick	6/12/17	740	26.0	8.2	10/18	1000	1000	P	L
ICV			742	26.0	6.08	5/18	100	100	P	L
CCV	J. P. H. S.	6/12/17	1517	26.0	5.25	12/17	5000	4875	P	L
CCV										

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

Conductivity Acceptance criteria $\pm 5\%$

Calibr.	Name	Date	Time	Temp	pH	pH	ICV	CCV	P	L	
Calibr.	Drew Liddick	6/12/17	744	16.5	6.74	8/18	7.0	7.0	-5.4	P	L
Calibr.			746	17.2	4.1	3/19	4.0	4.0	-48.4	P	L
Calibr.			748	16.4	2.23	7/18	10.0	10.0	-22.2	P	L
ICV			750	16.4	2.23	7/18	10.0	10.0	-22.2	P	L
CCV	J. P. H. S.	6/12/17	1519	17.2	4.1	3/19	4.0	3.9	132.4	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

3/13/17

Depth Sensor (Depth)	Name	Date	Time	Zero the Sensor	ICV Value	P	L
Pressure mode in air	Drew Liddick	6/12/17	752	0.000	0.000	P	L

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