

RQ-2016-08-22-51

8/23/16

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:

AFS

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 T	DO Chan mg/L	Meter DO mg/L	WDO	Probe Chan	Probe Gain	Pass Fail	Lab / Field
Calibr.	T W. Pippick	8/23	830	26.2	8.1	8.1	100	57	1.20	P	L
ICV		8/23	830	26.1	8.1	8.1	100			P	L
CCV	T W. Pippick	8/23	1530	23.9	8.4	8.5	101			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.

Specific Conductance FT 1200	Name	Date	Time	Temp	Specific Conductance	Meter	Specific Conductance	Pass Fail	Lab / Field
Calibr.	T W. Pippick	8/23	830	26.06	003	02/18	1000	1000	P L
ICV				26.03	082	3/18	100	101	P L
CCV	T W. Pippick	8/23	1530	26.06	003	02/18	1000	498	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	Temp	pH	Meter	pH	mV	Pass Fail	Lab / Field
Calibr.	T W. Pippick	8/23	830	16.1	856	04/18	7.0	7.0	-24	P L
Calibr.				16.1	523	3/18	4.0	4.0	153	P L
Calibr.				15.6	700	10/17	10.0	10.0	-200	P L
ICV				15.6	700	10/17	10.0	10.0		P L
CCV	T W. Pippick	8/23	1530	16.1	523	3/18	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

7/11/16

Depth Sensor (Daily)	Name	Date	Time CT-ET	Zero the Sensor	ICV Value	Pass / Fail	Lab / Field
Pressure mode in air	T W. Pippick	8/23	830	0.000	0.000	P	L

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