

2016-10-31-59

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:

L6 on

Project:

SIP / 3451611

- 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

10/17/16

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.	E. Green Original	11/3/16	0713	23.2	8.5	8.6	101	29.8	1.14	P	L
ICV			0716	23.1	8.6	8.6	101			P	L
CCV			1524	24.2	8.4	8.6	104			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. IFT 1200	Name	Date	Time CT-ET	Lot #	Expir. Date	Standard μ mhos/cm	Meter Reading μ mhos/cm	Pass / Fail	Lab / Field
Calibr.	E. Green Original	11/3/16	0718	7666 003	6/18	1000	7000	P	L
ICV			0719	7606 08	5/18	100	101	P	L
CCV			1527	2603 63	2/18	50000	30640	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.	E. Green Original	11/3/16	0720	141856	4/18	7.0	7.0	-38.6	P	L
Calibr.			0721	141856	5/18	4.0	4.0	138.8	P	L
Calibr.			0723	152638	1/18	10.0	10.0	-211.2	P	L
ICV			0725	158638	1/18	10.0	10.0		P	L
CCV			1528	163418	5/18	4.0	4.1		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

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 ± 0.05 m, whichever is greater