

2017-01-23-61

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:

211 Jan

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 01/03/2017

DO D.F.P.S.O.P. FT 1500	Name	Date	Time CT-ET	Temp	D.O. Chan mg/L	Meter D.O. mg/L	% DO	Probe Charge	Probe Gain	Pass / Fail	Lab / Field
Calibr.	S Meyer	1/26/17	0754	23.0	8.6	8.6	100	56.3	1.03	P	L
ICV			0757	23.1	8.6	8.6	100	57.4		P	L
CCV			1530	21.8	8.8	8.8	100	57.9		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 Conc FT 1200	Name	Date	Time CT-ET	Lot #	Expir Date	Standard umhos/cm	Meter Reading umhos/cm	Pass / Fail	Lab / Field
Calibr.	S Meyer	1/26/17	0801	2606003	06/18	1000	1000	P	L
ICV			0804	2608888	07/18	100	99	P	L
CCV			1533	2604726	03/18	5000	4757	P	L
CCV									

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

Conductivity Acceptance criteria $\pm 5\%$

pH D.F.P.S.O.P. FT 1100	Name	Date	Time CT-ET	Lot #	Expir Date	pH Buffer SU	Meter reading SU	mV	Pass / Fail	Lab / Field
Calibr.	S Meyer	1/26/17	0808	161556	04/18	7.0	7.0	-36.8	P	L
Calibr.			0811	163418	05/18	4.0	4.0	138.5	P	L
Calibr.			0816	163619	06/18	10.0	10.0	-213.9	P	L
ICV			0818	163619	06/18	10.0	10.0	-214.8	P	L
CCV			1536	163418	05/18	4.0	4.1	136	P	L
CCV										

Report pH with one decimal place; pH Acceptance criteria ± 0.2 SU; mV pH7 Range 0 ± 50 ;mV pH 4 Range $\pm 180 \pm 50$;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 01/03/2017

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 $\pm 0.05m$, whichever is greater