

RD-2016-02-22-23 CALIBRATION AND VERIFICATION LOG (FDEP SOP FT 1000-FT 1500, FD 1000-FD 4000)

Meter ID:

AE3

Project:

SMP

Boldly "x" this box if there is qualified data on this page.

- Notes: (1) Numbers ≤4, are rounded down; numbers 2 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

4/25

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.	Mettler	2/22/16	9:00	21.6	8.8	8.8	100	43.1		P	C
ICV				21.6	8.8	8.8	79	43.1		P	C
CCV				25.2	8.2	8.5	103	44.1		P	F
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 μmhos/cm	Meter Reading μmhos/cm	Pass / Fail	Lab / Field
Calibr.	Mettler	2/22/16	9:00	150929	1/16	1000	1000	P	C
ICV				150811	2/16	100	105	P	C
CCV	Mettler	2/22	1800	2601526	12/17	100,000	100639	P	F
CCV									

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

Conductivity Acceptance criteria ± 5%

pH DEP SOP FT 1400	Name	Date	Time CT-ET	Lot #	Expir. Date	pH Buffer SU	Meter reading SU	mV	Pass / Fail	Lab / Field
Calibr.	Mettler	2/22/16	9:00	150812	3/17	7.0	7.0	-163	P	C
Calibr.				153425	9/17	4.0	4.0	158	P	C
Calibr.				149601	8/17	10.0	10.0	-192	P	C
ICV				149601	9/17	10	10	191	P	C
CCV	Mettler	2/22	1800	153225	5/17	11.0	4.0		P	F
CCV										

Report pH with one decimal place; pH Acceptance criteria ±0.2 SU; mV pH7 Range 0±50;

mV pH 10 Range -180±50; Slope from 7 to 10 and 4 to 7 must be between 165 and 180 mV

mV pH 4 Range +180±50;

Depth (Quarterly)

Date of Last Depth Verification

4/6/15

Depth Sensor (Daily)	Name	Date	Time CT-ET	Zero the Sensor	ICV Value	Pass / Fail	Lab / Field
Pressure mode in air	Mettler	2/22/16	9:00	0.000	0.00	P	C

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