

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:

A

Project:

- 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 1/7/16

DO DEP SOP FT 1500	Name	Date	Time (ET)	Temp. (°C)	D.O. Chart mg/L	Meter D.O. mg/L	% DO	Probe Charge	Probe Gain	Pass / Fail	Lab / Field
Calibr.	Kaitlin DeAeth	3/29/16	0709	24.1	8.40	8.40	100.0	57.4		P F	L F
ICV	"	"	0710	24.0	8.41	8.35	99.9	56.3		P F	L F
CCV	Kaitlin DeAeth	3/29/16	1535	24.8	8.29	8.20	99.6	56.3		P F	L F
CCV										P F	L F

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 (ET)	Lot #	Expir. Date	Standard μ hos/cm	Meter Reading μ hos/cm	Pass / Fail	Lab / Field
Calibr.	Kaitlin DeAeth	3/29/16	0711	150915D	9/16	1,000	1,000	P F	L F
ICV	"	"	0712	150915E	9/16	500	500	P F	L F
CCV	Kaitlin DeAeth	3/29/16	1538	150327	4/16	50,000	50,050	P F	L F
CCV								P F	L F

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

Conductivity Acceptance criteria $\pm 5\%$

pH DEP SOP FT 1100	Name	Date	Time (ET)	Lot #	Expir. Date	pH Buffer SU	Meter reading SU	mV	Pass / Fail	Lab / Field
Calibr.	Kaitlin DeAeth	3/29/16	0714	156244	10/17	7.0	7.0	-61.1	P F	L F
Calibr.	"	"	0715	160222B	3/17	4.0	4.0	111.5	P F	L F
Calibr.	"	"	0716	150915B	3/17	10.0	10.0	-236.1	P F	L F
ICV	"	"	0717	150915B	3/17	10.0	9.9	-233.2	P F	L F
CCV	Kaitlin DeAeth	3/29/16	1541	160222B	3/17	4.0	3.9	120.2	P F	L F
CCV									P F	L F

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

Notes: _____

Field Meter Calibration Log

Meter ID:

YSI multiprobe

		Date	3-29-16	3-30-16	3-31-16	4-14-16	4-26-16
AM	pH 4.00		4	4	4	4	4
	pH 7.00		7	7	7	7	7
	pH 10.00		10	10	10	10	10
	Cond 147						
	Cond 717.5						
	Cond 1413						
	@ Temp						
	DO %		100.2	100.4	100.3	100.1	100.6
	DO @ Temp		25.41	23.78	24.69	24.61	24.77
PM	pH all		4/7/10	4/7/10	4/7/10	4/7/9.99	4/7/10
	Cond		—	—	—	—	—
	DO% @ Temp		100.3 / 26.48	100.4 / 25.54	100.3 / 25.81	100.1 / 26.00	99.9 / 25.96
	Batteries		48%	48%	48%	48%	46%
	Comments						
	User		J.D.F.	J.D.F.	J.D.F.	J.D.F.	J.D.F.