

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: Smp Labelle Area

- 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

1-7-11

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.	Chris Link	3/15/11	0915	23.7	8.4	8.4	100.0	59.4		P F	L F
ICV	"	"	0917	23.8	8.4	8.3	98.5	59.4		P F	L F
CCV	Ben Pasman	"	1020	22.9	7.8	7.7	98.0	61.2		P F	L F
CCV	Ben Pasman	"	"	"	"	"	"	"		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 mhos/cm	Meter Reading μ mhos/cm	Pass / Fail	Lab / Field
Calibr.	Chris Link	3/15/11	0920	150915D	9/16	1,000	1,000	P F	L F
ICV	"	"	0922	150915D	9/16	1,000	999	P F	L F
CCV	BP	"	1020	150709B	8/16	500	506	P F	L F
CCV	BP	"	"	"	"	"	"	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.	Chris Link	3/15/11	0925	1156244	10/17	7.0	7.0	-58.5	P F	L F
Calibr.	"	"	0927	160222B	3/17	4.0	4.0	113.5	P F	L F
Calibr.	"	"	0930	150915B	3/17	10.0	10.0	-231.5	P F	L F
ICV	"	"	0932	150915B	3/17	10.0	9.9	-228.0	P F	L F
CCV	BP	"	1020	160222B	3/17	4.0	4.1	110	P F	L F
CCV	BP	"	"	"	"	"	"	"	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 multi probe

	Date	2-24-16	2-25-16	2-26-16	3/3/16	3/15/16
AM	pH 4.00	4	4	4	4.00	4.00
	pH 7.00	7	7	7	7.00	7.00
	pH 10.00	10	10	10	10.00	10.00
	Cond 147					
	Cond 717.5					
	Cond 1413					
	@ Temp					
	DO %	99.6	100.3	100.3	100.3	100.2
	DO @ Temp	23.62	21.51	21.43	21.59	24.77
PM	pH	4/7/10	4.1/7.1/10.1	4.1/7.1/10.1	3.9/6.9/9.9	4/7/10
	Cond	—	—	—	—	—
	DO% @ Temp	99.2/23.17	100.4/14.41	100.4/22.57	100.6/26.21	100.3/31.60
	Batteries	50%	49%	49%	—	48%
	Comments				pH +/- Sample / temp in lab / water & rebo.	
	User	J.D.F	J.D.F.	J.D.F	SF	J.D.F