

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 name.

Meter ID:

4

Project:

SMP Keys

- 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

Hotel

Temperature (Quarterly) FT 1400

Date of Last Temperature Verification

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.	Ben Persson	2/16/16	700	23.4	8.5	8.5	100.0	47.1		(P) F	L (P)
ICV				23.5	8.4	8.4	99	47.1	0	(P) F	L (P)
CCV	Chris Link	2/16/16	1815	21.9	8.7	8.7	100.1	47.1	0	(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 mhos/cm	Meter Reading μ mhos/cm	Pass / Fail	Lab / Field
Calibr.	Ben	2/16/16	704	150724A	8/16	10,000	10,000	(P) F	L (P)
ICV						10,000	10,001	(P) F	L (P)
CCV	Chris Link	2/16/16	1817	150327	4/16	52,000	49,850	(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.	Ben	2/16/16	706	150724C	2/17	7.0	7.0	-57	(P) F	L (P)
Calibr.				150915A	3/17	4.0	4.0	118	(P) F	L (P)
Calibr.				150521B	12/16	10.0	10.0	-213	(P) F	L (P)
ICV				" "	" "	10.0	9.8	-212	(P) F	L (P)
CCV	Chris Link	2/16/16	1820	150915A	3/17	4.0	3.96	-178.7	(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 ± 50 ;

mV pH 4 Range $+180 \pm 50$;

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

Depth Sensor (Daily)	Name	Date	Time CT-ET	Zero the Sensor	ICV Value	Pass / Fail	Lab / Field
Pressure mode in air				0.000			

Notes:

Changed hand held batteries 700 BP

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