

Figure 22. Daily Multi-parameter Meter Calibration Log.

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Boldly "X" this box if there is qualified data on this page

CALIBRATION AND VERIFICATION LOG (FDEP SOP FT 1000-FT 1500, FD 1000-FD 4000)

Meter ID: 1420 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 04/28/20

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.	Drew	06/03	1000	22.5	8.4	8.6	99.6	-	1.04	P	L
ICV	//	//	1004	22.5	8.6	8.6	99.6	-	1.04	P	L
CCV	//	//	1346	24.3	8.3	8.3	98.9	-	-	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. Cond. FT 1200	Name	Date	Time CT-ET	Lot #	Expir. Date	Standard $\mu\text{mhos/cm}$	Meter Reading $\mu\text{mhos/cm}$	Pass / Fail	Lab / Field
Calibr.	Drew	06/03	1006	2911829	10/21	1000	1000	P	L
ICV	//	//	1008	1002820	02/22	100	103	P	L
CCV	//	//	1348	2911829	10/21	1000	1003	P	L
CCV									

Report specific conductance as a whole number with no decimal figure. Conductivity Acceptance criteria $\pm 5\%$

pH DEP SOP FT 1100	Name	Date	Time CT-ET	Lot #	Expir. Date	pH Buffer SU	Meter reading SU	mV	Pass / Fail	Lab / Field
Calibr.	Drew	06/03	1010	194546	07/21	7.0	7.0	29.8	P	L
Calibr.	I	I	1012	196401	09/21	4.0	4.0	144.6	P	L
Calibr.	I	I	1014	192995	05/21	10.0	10.0	204.7	P	L
ICV	I	I	1016	192995	05/21	10.0	10.0	204.7	P	L
CCV	I	I	1350	196401	09/21	4.0	4.0	142.7	P	L
CCV										

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) ~175.1 174.4 Date of Last Depth Verification 04/28/20

Depth Sensor (Daily)	Name	Date	Time CT-ET	Zero the Sensor	ICV Value	Pass / Fail	Lab / Field
Pressure mode in air	Drew	06/03	1018	0.000	0.00	P	L

ICV acceptance criteria $\pm 5\%$ or $\pm 0.05\text{m}$, whichever is greater