

RQ-2016-0410-D

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: AE3

Project: SAP 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

Temperature (Quarterly) FT 1400

Date of Last Temperature Verification 10/11/16

DO	Temp	DO %	DO Sat	DO % Sat	DO % Sat	DO % Sat	DO % Sat	DO % Sat	DO % Sat	DO % Sat	DO % Sat
Calibr.	J. P. H. S.	11/2/16	7:21	22.1	8.7	8.7	100	66	1.08	P	L
ICV			7:22	22.1	8.7	8.7	100	66	-	P	L
CCV	J. P. H. S.	11/2	17:49	21.7	8.8	8.9	101	67	-	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.

Calibr.	J. P. H. S.	11/2	7:23	2606 p03	2/18	1000	1000	P	L
ICV			7:25	2604736	3/18	100	103	P	L
CCV	J. P. H. S.	11/2	17:50	2511038	11/17	50000	49987	P	L
CCV									

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

Conductivity Acceptance criteria $\pm 5\%$

Calibr.	Name	Date	Time	Temp	pH	pH	pH	pH	Pass/Fail	Lab/Field
Calibr.	J. P. H. S.	11/2	7:27	16.856	4/18	7.0	7.0	-37	P	L
Calibr.			7:28	16.3027	5/18	4.0	4.0	141	P	L
Calibr.			7:29	16.0910	3/18	10.0	10.0	-212	P	L
ICV			7:30	16.0910	3/18	10.0	10.0	-212	P	L
CCV	J. P. H. S.	11/2	17:52	16.3027	5/18	4.0	4.0	-	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)

Date of Last Depth Verification 10/11/16

Depth Sensor (Daily)	Name	Date	Time	Zero the Sensor	ICV Value	Pass/Fail	Lab/Field
Pressure mode in air	J. P. H. S.	7:32 11/2	7:32	0.000	0.00	P	L

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