

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: Key RQ- 2818-4-30-32 Project: Cal/0052 C-2-5

Notes: (1) Always wait for meter to stabilize before recording any readings.
 (2) Report all digits displayed. Do not round before reporting measurements. (See special instructions for depth).
 (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

3/22/18

DO	DEP SOP	FT 1500	Name	Date	Time	CT-ET	Temp	D.O.	Chart	Meter	% DO	Probe	Charge	Probe	Gain	Pass	Lab
			Calibr.	5/15/18	0945		24.00	8.41	8.40	100.0	61.4						
			ICV	"	"	0950	23.5	8.48	8.49	99.8	60.4						
			CCV	5/15/18	1515		26.0	8.14	8.14	100.4	61.4						
			CCV	5/15/18	1518												

DO Acceptance criteria from Table ± 0.3 mg/L.
 Optical: DO gain range 0.85 to 1.15; DO charge N/A.
 Rapid-Pulse Sensors: DO gain Range 0.7 to 1.4; DO Charge Range 25-75.
 Steady-state & Galvanic Sensors: DO gain & Charge N/A.

Spec.	Cond.	FT 1200	Name	Date	Time	CT-ET	Lot #	Expir.	Date	Standard	Meter	Reading	umhos/cm	Pass	Lab
			Calibr.	5/15/18	0953		1803218	04/19		1000					
			ICV	"	"	0956	1712118	12/18		100					
			CCV	5/15/18	1518		1803218	4/19		50,000					
			CCV	5/15/18	1518										

Conductivity Acceptance criteria $\pm 5\%$

PH	DEP SOP	FT 1100	Name	Date	Time	CT-ET	Lot #	Expir.	Date	PH	Buffer	Meter	Reading	mv	Pass	Lab
			Calibr.	5/15/18	0957		177435	10/19		7.0				-18.5		
			Calibr.	5/15/18	1002		180710	2/20		4.0				158.5		
			Calibr.	5/15/18	1005		176507	9/19		10.0				196.6		
			ICV	5/15/18	1007		180710	2/20		4.0				158.2		
			CCV	5/15/18	1519		176507	9/19		10.0				9.96		
			CCV	5/15/18	1519									-113.6		

pH Acceptance criteria ± 0.2 SU; mv pH 7 Range 0 ± 50 ; mv pH 4 Range $+180 \pm 50$; mv pH 10 Range -180 ± 50 ;
 If mv are recorded: slope from 7 to 10, slope from 4 to 7, (both must be between 165 and 180 mv)

Is meter equipped with depth sensor? Yes / No If yes, list date of last quarterly depth verification

Depth Sensor	(Daily Calibration & ICV)	Name	Date	Time	CT-ET	Calibrated Value (0.00 or Offset), meters	ICV Value meters	Pass / Fail	Lab / Field

Report two decimal places. Round numbers ≤ 4 down, ≥ 5 up. ICV acceptance criteria $\pm 5\%$ or ± 0.05 m, whichever is greater.

COMMENTS: