

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: DEP#154181

RQ: 2018-06-25-07

Project: LSTR West 1

- 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 DATA Factory Preset

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.	PO Conn	07-09-18	0658	23.8	8.44	8.44	100.0	—	—	P/F	L/F
ICV	PO Conn	07-09-18	0703	23.0	8.43	8.44	100.1	—	—	P/F	L/F
CCV	JLams	7/9/18	1320	24.8	8.3	8.31	100.9	—	—	P/F	L/F
CCV										P/F	L/F

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 μ mhos/cm	Meter Reading μ mhos/cm	Pass / Fail	Lab / Field
Calibr.	PO Conn	07-09-18	0705	180321B	04-2019	1000	1000	P/F	L/F
ICV			0708	180321A	04-2019	100	102.0	P/F	L/F
CCV	JLams	7/9/18	1321	1470318	9/1/18	147	550	P/F	L/F
CCV								P/F	L/F

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.	PO Conn	07-09-18	0714	2803E45	03-2020	7.0	7.00	-12.0	P/F	L/F
Calibr.			0717	2711517	10-2019	4.0	4.00	17.5	P/F	L/F
Calibr.			0720	2711527	04-2019	10.0	9.98	-181.2	P/F	L/F
ICV			0728	2711527	03-2020	7.0	7.02	-8.9	P/F	L/F
CCV	JLams	7/9/18	1322	2711527	4/1/19	10.0	10.1		P/F	L/F
CCV									P/F	L/F

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 Factory Preset

Depth Sensor (Daily Calibration & ICV)	Name	Date	Time CT-ET	Calibrated Value (0.00 or Offset), meters	ICV Value meters	Pass / Fail	Lab / Field
Pressure mode in air						P/F	L/F

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

COMMENTS:

BSV QC/Scanned 7/17/18 JP 7/13/18