

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

Holdy "X" this box, there is qualified person on this date.

Meter ID: LIL Jan RQ: 2018-03-12-12 Project: SMP

- 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

12/29/18

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.		3/13/18	70	21.0	8.9	8.92	100	60		P/F	L/F
ICV	<u>Barfwater</u>	3/13/18	712	21.1	8.9	8.87	98.8	61		P/F	L/F
CCV	<u>O. Horning</u>	14/18	0700	20.8	8.95	9.2	104	58.4		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.		3/13/18	715	2707083	9/19	1,000	1,000	P/F	L/F
ICV	<u>Barfwater</u>	3/13/18	717	2709999	7/19	100	103	P/F	L/F
CCV	<u>O. Horning</u>	14/18	720	2705E06	05/19	500	503	P/F	L/F
CCV		14/18	0701					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.		3/13/18	722	173851	3/19	7.0	7.00	719	P/F	L/F
Calibr.	<u>Barfwater</u>	3/13/18	724	1749918	7/19	4.0	4.00	155	P/F	L/F
Calibr.		4/3/18	726	170266	3/19	10.0	10.00	794	P/F	L/F
ICV		1/18	730	174998	7/19	4.0	3.94	159	P/F	L/F
CCV	<u>O. Horning</u>	14/18	0702	17266	3/19	10.0	10.1	-1985	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 _____

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: