

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

Bold "X" this box if there is qualified data on this page.

Meter ID:

LITJON

RQ:

2018-03-05/14

Project:

SNP

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

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/	710	21.97	8.74	8.74	100	98		(P) F	(L) F
ICV	Ben/Kate	3/5/	712	22.04	8.74	8.60	98.2	98		(P) F	(L) F
CCV		3/5/	1710	22.70	8.6	755	88	99		(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 hos/cm	Meter Reading μ hos/cm	Pass / Fail	Lab / Field
Calibr.		3/	715	2700999	9/19	1,000	1,000	(P) F	(L) F
ICV	Ben/Kate	3/5/	717	2701083	7/19	100	104	(P) F	(L) F
CCV		3/5/	1702	2705006	5/19	500	501	(P) F	(L) F
CCV								P / F	L / F

Conductivity Acceptance criteria $\pm 5\%$

pH DEP SOP FT 1400	Name	Date	Time CT-ET	Lot #	Expir. Date	pH Buffer SU	Meter reading SU	mV	Pass / Fail	Lab / Field
Calibr.		3/	720	173851	3/19	7.0	7.00	-19	(P) F	(L) F
Calibr.	Ben	3/5/	722	174998	7/19	4.0	4.00	151	(P) F	(L) F
Calibr.	Kate	3/5/	725	170246	3/19	10.0	10.01	-195	(P) F	(L) F
ICV		3/5/	727	173851	3/19	7.0	6.92	765	(P) F	(L) F
CCV			1705	174998	7/19	4.0	3.90	151	(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:

DO membrane changed fails.