

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: Keys RQ: 2018-25-55 Project: SMP NFM → LaBelle

- 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 12/04/17

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.	Gray Snork	2/6/18	720	24.6	8.3	8.3	100	57.6	1.02	(P) F	(L) F
ICV	Gray Snork	2/6/18	730	24.5	8.3	8.3	100	58.4		(P) F	(L) F
CCV	Nicole Reistad	02/06/18	1410	24.4	8.35	8.48	101	57.4	1.0194	(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.	Gray Snork	2/6/18	735	171211C	12/18	1000	1001	(P) F	(L) F
ICV	Gray Snork	2/6/18	740	170828	09/18	100	105	(P) F	(L) F
CCV	Nicole Reistad	02/06/18	1412	170728C	08/18	10000	10220	(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.	Gray Snork	2/6/18	742	176157	8/19	7.0	7.0	-17.5	(P) F	(L) F
Calibr.	Gray Snork	2/6/18	743	176044	8/19	4.0	4.6	160.0	(P) F	(L) F
Calibr.	Gray Snork	2/6/18	748	172902	4/19	10.0	10.00	-194.2	(P) F	(L) F
ICV	Gray Snork	2/6/18	750	176044	8/19	4.0	4.0	160.2	(P) F	(L) F
CCV	Nicole Reistad	02/06/18	1415	172902	4/19	10.0	10.0	-196.5	(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: