

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:

7

RQ:

2017-11-13-06

Project:

SMP ROBERTS

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

9/28/17

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.	STCZ COFOR	11/14/17	0933	29.2	8.3	8.3	100	30		(P) F	(L) F
ICV	STCZ COFOR	11/14/17	0935	29.0	8.4	8.4	100	39		(P) F	(L) F
CCV	M. DUGAN	11/14/17	1630	22.6	8.644	8.77	101	30.8		(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.	STCZ COFOR	11/14/17	0937	170728B	8/18	500	500	(P) F	(L) F
ICV	STCZ COFOR	11/14/17	0939	170728A	8/18	1000	996	(P) F	(L) F
CCV	M. DUGAN	11/14/17	1632	170828	09/18	1000	103	(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.	STCZ COFOR	11/14/17	0940	173426	5/19	7.0	6.9	6.5	(P) F	(L) F
Calibr.	STCZ COFOR	11/14/17	0942	173425	5/19	4.0	4.0	145	(P) F	(L) F
Calibr.	STCZ COFOR	11/14/17	0943	172902	9/19	10.0	10.0	-141	(P) F	(L) F
ICV	STCZ COFOR	11/14/17	0945	172902	4/19	10.0	9.9	-144	(P) F	(L) F
CCV	M. DUGAN	11/14/17	1633	173425	5/19	4.0	3.9	151.3	(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. ~~49.17~~ slope from 4 to 7. ~~45.12~~ (both must be between 165 and 180 mV)

286

138.5

* CLEAN PROBE *

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: