

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: 9 RQ: 2018-03-26-13 Project: SMP- W W

- 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 3/27/18

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.	N. Reistad	03/28/18	0724	24.6	8.325	8.40	100	---	---	(P) F	(L) F
ICV	"	"	0728	24.7	8.309	8.39	100.9	---	---	(P) F	(L) F
CCV			N/A							P / F	L / F
CCV	M. DUGAN	"	1709	25.0	8.243	8.25	100.4			(P) F	(L) F

DO Acceptance criteria from Table ± 0.3 mg/L.

Rapid-Pulse Sensors: DO Gain Range 0.7 to 1.4; DO Charge Range 25-75.

Optical: DO gain range 0.85 to 1.15; DO charge N/A.

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.	N. Reistad	03/28/18	0726	170728C	08/18	10,000	10,000	(P) F	(L) F
ICV	"	"	0728	171211D	12/18	500	10,005	(P) F	(L) F
CCV							NR	P / F	L / F
CCV	M. DUGAN	"	1710	270659	05/19	50,000	51043	(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.	N. Reistad	03/28/18	0734	176157	08/19	7.0	7.00	-2.1	(P) F	(L) F
Calibr.	"	"	0737	177238	10/19	4.0	4.00	179.2	(P) F	(L) F
Calibr.	"	"	0739	176507	09/19	10.0	10.0	-183.1	(P) F	(L) F
ICV	"	"	0741	177238	10/19	4.0	4.0		(P) F	(L) F
CCV									P / F	L / F
CCV	M. DUGAN	"	1713	176507	09/19	10.0	10.0	-78.20	(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: