

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: 132237

RQ: 2972 11-27-13

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 9/27/17

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.	J. P. H. S.									P / F	L / F
ICV										P / F	L / F
CCV	J. P. H. S.	11/29/17	0716	21.9	8.761	8.82	100.8	—	1.01	Ø / F	Ø / F
CCV	J. P. H. S.	11/29/17	1514	24.1	8.403	8.48	100.9	—	1.01	Ø / F	Ø / 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.	J. P. H. S.	11/29/17	0711	16117-4	9/20/18	1413	1415	Ø / F	Ø / F
ICV	J. P. H. S.	11/29/17	0713	2608888	7/20/18	100	98	Ø / F	Ø / F
CCV	J. P. H. S.	11/29/17	1516	2608888	9/20/18	1413 100	96	Ø / F	Ø / 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.	J. P. H. S.	11/29/17	0714	2610663	10/20/18	7.0	7.0	-22.5	Ø / F	Ø / F
Calibr.	J. P. H. S.		0716	2611883	10/20/18	4.0	4.6	154.8	Ø / F	Ø / F
Calibr.	J. P. H. S.		0717	2611479	5/20/18	10.0	10.0	-193.5	Ø / F	Ø / F
ICV	J. P. H. S.		0718	2611479	5/20/18	10.0	10.0	-193.4	Ø / F	Ø / F
CCV			1517	2611883	10/18	4.0	4.0	—	Ø / F	Ø / 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 10 171.6, slope from 4 to 7 177.3 (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 10/16/17

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	J. P. H. S.	11/29/17	0720	0.00	0.00	Ø / F	Ø / F

Report two decimal places. Round numbers ≤ 4 down, ≥ 5 up. ICV acceptance criteria $\pm 5\%$ or ± 0.05 m, whichever is greater.

COMMENTS: