

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

Meter ID: H0002

NO: 2018-05-14-57

Project: SMP

Boldly "X"
box if then
qualified for
this name

- 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 04/04/18

Date of last temperature verification 04/09/18												
DO DEP SO: FT 1500	Name	Date	Time G/F	Temp	DO Gain mV	Meter DO mV	Temp	DO Gain	Temp	DO Gain	Pass	Lab
Calibr.	Jessica E	5/16	8:33	23.7	8.5	8.49	100.2	NA	1.04	0/F	0/F	
ICV	Jessica E	5/16	8:35	23.7	8.5	8.48	100.2	NA	1.04	0/F	0/F	
CCV	Jessica E	5/16	14:39	23.9	8.43	8.41	99.4	NA		0/F	0/F	
CCV										0/F	0/F	

DO Acceptance criteria from Table ± 0.3 mg/L.

Rapid-Pulse Sensor, DO-G-100

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 G/F	Cond	Expt Date	Standard Conductivity	Meter Reading umhos/cm	Pass	Lab
Calibr.	Jessica E	5/16	8:37	2711453	10/19	1,000	1,000	0/F	0/F
ICV	Jessica E	5/16	8:39	271081	9/19	100	100.1	0/F	0/F
CCV	Jessica E	5/16	14:41	2711453	10/19	1,000	985	0/F	0/F
CCV								P/F	L/F

Conductivity Acceptance criteria $\pm 5\%$

PH FDEP SOP FT 1100	Name	Date	Time G/F	Lot#	Expt Date	pH Buffer SL	Meter reading SL	pH	Pass	Lab
Calibr.	Jessica E	5/16	8:41	174544	06/19	7.0	7.08	-18.8	0/F	0/F
Calibr.	Jessica E	5/16	8:43	17238	10/19	4.0	3.95	167.7	0/F	0/F
Calibr.	Jessica E	5/16	8:45	176507	9/19	10.0	9.94	-188.4	0/F	0/F
ICV	Jessica E	5/16	8:47	176507	9/19	10.0	9.96	-187.4	0/F	0/F
CCV	Jessica E	5/16	14:43	177238	10/19	4.0	4.17	156.9	0/F	0/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 +169.6, slope from 4 to 7 186 (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 04/04/18

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	Jessica E	5/16	8:49	0.00	0.00	0/F	0/F

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

COMMENTS: