

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: 411 Jan

Project: 2018-05-21-03

- Notes:** (1) Numbers ≤ 4 , are rounded down; numbers ≥ 5 are rounded up (e.g., 5.15 becomes 5.2).
 (2) Always wait for meter to stabilize before recording any readings.
 (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 03/29/2018

DO DEP SOP FT 1500	Name	Date	Time (ET)	Temp. (°C)	D.O. Chart mg/L	Meter D.O. mg/L	% DO	Probe Charge	Probe Gain	Pass / Fail	Lab / Field
Calibr.	S Meyer	05/21/2018	807	23.68	8.46	8.47	100.0	57.4	0.97	(P) F (L) F	
ICV			809	23.72	8.46	8.46	100.0	57.4	—	(P) F (L) F	
CCV			1402	22.73	8.63	8.82	102.3	57.4	—	P F L F	
CCV										P F L F	

Report DO mg/L with one decimal figure and DO % saturation as a whole number with no decimals.

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 (ET)	Lot #	Expir. Date	Standard µmhos/cm	Meter Reading µmhos/cm	Pass / Fail	Lab / Field
Calibr.	S Meyer	05/21/2018	813	2711453	10/2019	1000	1000	(P) F (L) F	
ICV			816	2707875	07/2019	500	512	(P) F (L) F	
CCV			1440	1711050	10/2019	100	102	(P) F (L) F	
CCV								P F L F	

Report specific conductance as a whole number with no decimal figure.

Conductivity Acceptance criteria $\pm 5\%$

pH DEP SOP FT 1100	Name	Date	Time (ET)	Lot #	Expir. Date	pH Buffer SU	Meter reading SU	mV	Pass / Fail	Lab / Field
Calibr.	S Meyer	05/21/2018	820	177435	10/2019	7.0	7.0	-26.6	(P) F (L) F	
Calibr.			824	177759	10/2020	4.0	4.0	150.2	(P) F (L) F	
Calibr.			828	173794	05/2019	10.0	10.0	-203.2	(P) F (L) F	
ICV			829	173794	05/2019	10.0	10.0	-203.3	(P) F (L) F	
CCV			1444	177435	10/2019	7.0	7.08	-30.7	(P) F (L) F	
CCV									P F L F	

Report pH with one decimal place; pH Acceptance criteria ± 0.2 SU; mV pH7 Range 0 $\pm$ 50;

mV pH 4 Range +180 $\pm$ 50;

mV pH 10 Range -180 $\pm$ 50;

Slope from 7 to 10 and 4 to 7 must be between 165 and 180 mV

Depth (Quarterly)

Date of Last Depth Verification _____

Depth Sensor (Daily)	Name	Date	Time CT-ET	Zero the Sensor	ICV Value	Pass / Fail	Lab / Field
Pressure mode in air				0.000			

ICV acceptance criteria $\pm 5\%$ or ± 0.05 m, whichever is greater

Notes: _____