

Ra-2017-08-28-14

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: Biology #2

Project: LVI Tampa

- 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

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.	Jason Skerris	8/31/17	710	24.54	8.34	8.34	100.0	53.3		P	
ICV	Jason Skerris	8/31/17	712	24.51	8.34	8.33	99.9	53.3		P	
CCV	Jason Skerris	8/31/17	1637	29.45	7.625	7.59	99.5	53.3		P	
CCV											

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 CT-ET	Lot #	Expir. Date	Standard μ mhos/cm	Meter Reading μ mhos/cm	Pass / Fail	Lab / Field
Calibr.	Jason Skerris	8/31/17	714	2703D66	03/19	1000	1000	P	
ICV	Jason Skerris	8/31/17	716	2703D66	03/19	1000	1000	P	
CCV	Jason Skerris	8/31/17	1640	170614D	06/18	100	102	P	
CCV									

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

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.	Jason Skerris	8/31/17	720	167097	10/18	7.0	6.98	13.4	P	
Calibr.	Jason Skerris	8/31/17	722	167431	11/18	4.0	3.96	176.8	P	
Calibr.	Jason Skerris	8/31/17	725	164223	07/18	10.0	10.03	-152.9	P	
ICV	Jason Skerris	8/31/17	730	164223	07/18	10.0	9.96	-154.5	P	
CCV	Jason Skerris	8/31/17	1645	170614A	06/18	4.0	3.12	202.4	F	
CCV										

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	Jason Skerris	8/31/17	730	0.000	0.000	Xp	

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