

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 page.

Meter ID:

Busta

Project:

SMP LVI

- 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 07/18/2017

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.	L. Bachler	8-30-17	0715	22.9	8.59	8.58	100	94.1	1.14	P	L
ICV			0717	23.1	8.56	8.46	99	-	-	P	L
CCV				25.4	8.33	6.83	84	-	-	F	L
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.	L. Bachler	8-30-17	0719	2703D66	03/19	1000	1000	P	L
ICV			0721	2703G21	03/19	100	101	P	L
CCV			0	2611944	10/18	500	505	P	L
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.	L. Bachler	8-30-17	0723	167097	10/18	7.0	7.0	-11.8	P	L
Calibr.			0725	167431	11/18	4.0	4.0	-142.5	P	L
Calibr.			0727	164223	07/18	10.0	10.0	-187.7	P	L
ICV			0730	164223	07/18	10.0	10.0	-	P	L
CCV				167431	11/18	4.0	4.2	-	P	L
CCV										

Report pH with one decimal place; pH Acceptance criteria ± 0.2 SU;mV pH7 Range 0 ± 50 ;mV pH 4 Range $+180 \pm 50$;mV pH 10 Range -180 ± 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

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 page.

Meter ID: Biology #2

Project: LVE

- 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	8/30/17	720	22.92	8.595	8.59	100.0	52.3		P	
ICV	Jason Skerris	8/30/17	722	22.98	8.578	8.57	99.8	53.3		P	
CCV	Jason Skerris	8/30/17	1530	28.06	7.814	7.92	101.3	54.3		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	8/30/17	724	2703066	03/19	1000	1000	P	
ICV	Jason Skerris	8/30/17	726	2703621	03/19	500/100	101	P	
CCV	Jason Skerris	8/30/17	1535	2703621	03/19	100	103	P	
CCV	Jason Skerris	8/30/17	1536	2611944	10/18	500	504	P	

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	8/30/17	732	167097	10/18	7.0	6.99		P	
Calibr.	Jason Skerris	8/30/17	734	167431	11/18	4.0	3.99	192.2	P	
Calibr.	Jason Skerris	8/30/17	736	164223	7/18	10.0	9.89	-160.0	P	
ICV	Jason Skerris	8/30/17	738	164223	7/18	10.0	9.87	-122.2	P	
CCV	Jason Skerris	8/30/17	1532	167431	11/18	4.0	3.93	-224.6	P	
CCV										

Report pH with one decimal place; pH Acceptance criteria ± 0.2 SU; mV pH7 Range 0 ± 50 ;mV pH 4 Range $+180 \pm 50$;mV pH 10 Range -180 ± 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	8/30/17	730	0.000	0.000	P	

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