

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:

99

Project:

RQ-2017-06-12-72

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

3/13/17

Calibr.	Name	Date	Time	DO mg/L	DO % Sat	DO Gain	DO Charge	Pass/Fail	Lab/Field
Calibr.	Matthew Seall	6/13	11:30	216	8.6	8.6	100	63.5	P L
ICV	Matt Seall	6/13	11:35	228	8.6	8.6	100	63.5	P L
CCV									
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.

Calibr.	Name	Date	Time	Specific Conductance	Temperature	Conductivity	Pass/Fail	Lab/Field
Calibr.	Matt Seall	6/13	11:45	2610864	10/18	1000	1000	P L
ICV	Matt Seall	6/13	11:46	2626008	5/18	100	100	P L
CCV								
CCV								

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

Conductivity Acceptance criteria $\pm 5\%$

Calibr.	Name	Date	Time	pH	Temperature	pH	Pass/Fail	Lab/Field
Calibr.	Matt Seall	6/13	11:50	165674	7/18	7.0	7.0	P L
Calibr.				171241	3/17	4.0	4.6	P L
Calibr.				169023	7/18	10.0	10.0	P L
ICV	Matt Seall	6/13	11:00	169023	7/18	10.0	10.0	P L
CCV								
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

3/13/17

Depth Sensor (Daily)	Name	Date	Time	Zero the Sensor	ICV Value	Pass/Fail	Lab/Field
Pressure mode in air	Matt Seall	6/13	11:30	0.000	0.0	P	L

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

RQ-2017-06-05-27

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:

CNCous

Project:

SMP

- 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

4/13/17

DO DEF 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.	Drew Liddick	6/13/17	724	23.4	8.5	8.5	100	63.5	0.90	P	L
ICV	"	"	726	23.4	8.5	8.5	100	63.5	-	P	L
CCV	J. P. H. S.	6/13/17	1603	23.2	8.5	8.5	99	62.5	-	P	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 DEF SOP FT 1500	Name	Date	Time CT-ET	Lot #	Expir. Date	Standard μ mhos/cm	Meter Reading μ mhos/cm	Pass / Fail	Lab / Field
Calibr.	Drew Liddick	6/13/17	728	2610864	10/18	1000	1000	P	L
ICV	"	"	730	2606008	5/18	100	101	P	L
CCV	J. P. H. S.	6/13/17	1605	2610864	10/18	1000	998	P	L
CCV									

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

Conductivity Acceptance criteria $\pm 5\%$

pH DEF SOP FT 1000	Name	Date	Time CT-ET	Lot #	Expir. Date	pH Buffer SU	Meter reading SU	mV	Pass / Fail	Lab / Field
Calibr.	Drew Liddick	6/13/17	732	165674	8/18	7.0	7.0	49.6	P	L
Calibr.			734	171241	3/19	4.0	4.0	156.7	P	L
Calibr.			736	164223	7/18	10.0	10.0	197.1	P	L
ICV			738	164223	7/18	10.0	10.0	196.1	P	L
CCV	J. P. H. S.	6/13/17	1607	171241	3/19	4.0	4.1	152.9	P	L
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

4/13/17

Depth Sensor (Daily)	Name	Date	Time CT-ET	Zero the Sensor	ICV Value	Pass / Fail	Lab / Field
Pressure mode in air	Drew Liddick	6/13/17	740	0.000	0.000	P	L

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