

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

Meter ID: L11655

Project: 265T1602

Boldly "X" this box if there is qualified data on this name.

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 Field

Temperature (Quarterly) FT 1400 Date of Last Temperature Verification 12/15/15

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.	Tam W. P. Wick	2/10	800	17.5	9.6	9.6	100	48	0.89	P	F
ICV	1	1	1	12.3	9.6	9.6	100	48	-	P	F
CCV	Tam W. P. Wick	2/10	1800	failed				CC	V		
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. 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.	Tam W. P. Wick	2/10	800	150929	10/16	1000	1000	P	F
ICV	1	1	1	150811	2/16	100	103	P	F
CCV	TW	2/10	1800	150929	10/16	1000	1000	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	mV	Pass / Fail	Lab / Field
Calibr.	Tam W. P. Wick	2/10	800	150812	3/14	7.0	7.0	P	F
Calibr.	1	1	1	153225	5/17	4.0	4.6	P	F
Calibr.	1	1	1	149101	1/17	10.0	10.6	P	F
ICV	1	1	1	149101	1/17	10.0	10.0	P	F
CCV	Tam W. P. Wick	2/10	1800	153225	5/17	4.0	4.1	P	L
CCV									

Report pH with one decimal place; pH Acceptance criteria ± 0.2 SU; mV pH7 Range ± 50 ; mV pH 4 Range $\pm 180 \pm 50$; 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 12/9/15

Depth Sensor (Daily)	Name	Date	Time CT-ET	Zero the Sensor	ICV Value	Pass / Fail	Lab / Field
Pressure mode in air	TW	2/10	800	0.000	0.000	P	F

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

RQ-2016-02-01-58

RQ-2016-02-08-61

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:

AE3

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

11/2/15

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.	Brewster	02/10/16	08:27	19.8	9.1	9.1	100	45	1.3	P	L
ICV	Brewster	02/10/16	08:28	19.8	9.1	9.1	100	45		P	L
CCV	Brewster	2/10/16	1750	20.4	9.0	8.8	98	46		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. FT 1200	Name	Date	Time CT-ET	Lot #	Expir. Date	Standard μ mhos/cm	Meter Reading μ mhos/cm	Pass / Fail	Lab / Field
Calibr.	Brewster	02/10/16	08:31	150929	10/16	1000	1001	P	L
ICV	Brewster	02/10/16	08:33	150811	2/16	100	105	P	L
CCV	Brewster	2/10/16	1752	1409178	4/16	5000	48580	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.	Brewster	02/10/16	08:38	150812	3/17	7.0	7.0	-12	P	L
Calibr.	Brewster	2/10/16	08:40	153235	5/17	4.0	4.0	160	P	L
Calibr.	Brewster	2/10/16	08:42	149101	1/17	10.0	10.0	-187	P	L
ICV	Brewster	2/10/16	08:43	149101	1/17	10.0	10.0	-187	P	L
CCV	Brewster	2/10/16	1754	150812	3/17	7.0	6.9	-9	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

10/6/15

Depth Sensor (Daily)	Name	Date	Time CT-ET	Zero the Sensor	ICV Value	Pass / Fail	Lab / Field
Pressure mode in air	Brewster	2/10/16	844	0.000	0.000	P	L

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