

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 Yellow

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

4/7/16

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	4/16/16	8:00	23.3	8.5	8.5	100	38	1.1	P	L
ICV	"	"	8:02	23.4	8.5	8.5	100			P	L
CCV	Brewster	4/16/16	10:00	24.7	8.3	8.4	101			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	4/16/16	8:04	260202	2/18	1000	1000	P	L
ICV	"	"	8:06	260202	3/18	100	100	P	L
CCV	Brewster	4/16/16	10:04	260155	12/17	5000	5008	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	4/16/16	8:10	150051	10/17	7.0	7.0	-27	P	L
Calibr.	"	"	8:12	158982	01/18	4.0	4.0	145	P	L
Calibr.	"	"	8:13	150700	10/17	10.0	10.0	-200	P	L
ICV	"	"	8:14	"	"	10.0	10.0		P	L
CCV	Brewster	4/16/16	10:10	158982	1/18	4.0	4.1		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

4/7/16

Depth Sensor (Daily)	Name	Date	Time CT-ET	Zero the Sensor	ICV Value	Pass / Fail	Lab / Field
Pressure mode in air	Brewster	4/16/16	9:15	0.000	0.000	P	L

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

RD-2016-R-06-B-37

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

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Meter ID:

1.1608

Project:

SMD-IRL

- 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

6/13/16

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.	Matt Seidl	6/16/16	9:00	22.8	2.886	8.6	100	47.1	1.08	P	L
ICV	Matt	V	V	22.8	8.6	8.6	100	47.1		P	L
CCV	Matt Seidl	6/16/16	15:30	21.9	8.8	8.9	101	49.2		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 $\mu\text{mhos/cm}$	Meter Reading $\mu\text{mhos/cm}$	Pass / Fail	Lab / Field
Calibr.	Matt Seidl	6/16/16	9:00	15811E	8/16	1000	1000	P	L
ICV	V	V	9:00	2603C8	3/18	100	100	P	L
CCV	Matt Seidl	6/16/16	15:30	260152S	12/17	5000	4997	P	L
CCV									

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

Conductivity Acceptance criteria $\pm 5\%$

pH DEP SOP FT 1400	Name	Date	Time CT-ET	Lot #	Expir. Date	pH Buffer SU	Meter reading SU	mV	Pass / Fail	Lab / Field
Calibr.	Matt Seidl	6/16/16	9:00	156651	10/17	7.0	7.0	-42	P	L
Calibr.	V	V	V	158982	1/18	4.0	4.0	157	P	L
Calibr.	V	V	V	156700	6/17	10.0	10.0	-220	P	L
ICV	Matt Seidl	6/16/16		156700	10/17	11.0	11.0	-218	P	L
CCV	Matt Seidl	6/16/16	15:30	158982	1/18	4.0	4.1	131	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

6/13/16

Depth Sensor (Daily)	Name	Date	Time CT-ET	Zero the Sensor	ICV Value	Pass / Fail	Lab / Field
Pressure mode in air	Matt Seidl	6/16/16	9:15	0.000	0.0	P	L

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