

RQ-2016-01-11-45

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

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

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.	Rachel Brewster	01/13/16	07:48	21.1	8.9	8.9	100	38	1.17	P	L
ICV	Rachel Brewster	01/13/16	07:51	21.3	8.9	8.9	100	38	—	P	L
CCV	Rachel Brewster	01/13/16	1849	22.4	8.7	8.9	103	39	—	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.	Rachel Brewster	01/13/16	0757	150929	10/2016	1000	1000	P	L
ICV	Rachel Brewster	01/13/16	0800	150811	02/2016	100	102	P	L
CCV	Rachel Brewster	01/13/16	1851	150929	10/2016	1000	999	P	L
CCV	Rachel Brewster								

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.	Rachel Brewster	01/13/16	0800	150812	03/17	7.0	7.0	-9	P	L
Calibr.	Rachel Brewster	01/13/16	0805	153225	05/17	4.0	4.0	164	P	L
Calibr.	Rachel Brewster	01/13/16	0810	149101	01/17	10.0	10.0	-184	P	L
ICV	Rachel Brewster	01/13/16	0811	149101	01/17	10.0	10.0	-183	P	L
CCV	Rachel Brewster	01/13/16	1856	153225	5/17	4.0	4.0	163	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	Rachel Brewster	01/13/16	08:17	0.000	0000m	P	L

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