

RQ-2017-01-30-17

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-B5CXX

- 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 7/24/17

Calibr.	Name	Date	Time	DO mg/L	DO %	DO Gain	DO Charge	DO Sat	DO Temp	Pass/Fail	Lab/Field
Calibr.	Math Seal	8/16/17	7:50	24.7	8.3	8.3	100	54.3		P	F
ICV	Math Seal	8/16/17	8:15	24.7	8.3	8.3	100			P	F
CCV	Math Seal	8/16/17	18:00	25.8	8.1	8.4	106	55.3		P	FL
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	Conductivity	Conductivity	Conductivity	Conductivity	Conductivity	Conductivity	Pass/Fail	Lab/Field
Calibr.	Math Seal	8/16/17	8:06	261000	10/18	1000	1000			P	F
ICV	Math Seal	8/16/17	8:10	260600	9/18	1000	103			P	F
CCV	Math Seal	8/16/17	18:40	100000	11/18	100,000	18110			P	L
CCV											

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

Conductivity Acceptance criteria $\pm 5\%$

Calibr.	Name	Date	Time	pH	pH	pH	pH	pH	pH	Pass/Fail	Lab/Field
Calibr.	Math Seal	8/16/17	8:00	16504	8/18	7.0	7.0	33.3		P	F
Calibr.				171241	3/18	4.0	4.0	144.1		P	F
Calibr.				164045	2/18	10.0	10.0	312.1		P	F
ICV	Math Seal	8/16/17	8:05	164043	2/18	10.0	100	204		P	F
CCV	Math Seal	8/17/17	18:00	171241	3/18	4.0	3.9	151.3		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 7/24/17

Depth Sensor (pH)	Name	Date	Time	Zero the Sensor	ICV Value	Pass/Fail	Lab/Field
Pressure mode in air	Math Seal	8/16/17	8:10	0.000	0.0	P	F

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