

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

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

Meter ID:

YSI 118154

Project:

Seawater 1

RD-2016-03-07-48

- 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 Lab

Temperature (Quarterly) FT 1400

Date of Last Temperature Verification 1/22/2014

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 /	Lab /
Calibr.	J. Gevertzel	3/8/16	0738	21.93	8.76	8.72	99.8	52.3	0.83176	P	L
ICV	J. Gevertzel	3/8/16	0739	22.01	8.74	8.71	99.7	52.3	0.83176	P	L
CCV	A. Kalmbacher	3/8/16	1505	23.5	8.49	8.52	100.0	52.3	0.83176	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.	Name	Date	Time CT-ET	Lot #	Expir. Date	Standard μ hos/cm	Meter Reading μ hos/cm	Pass /	Lab /
Cond.									
Calibr.	J. Gevertzel	3/8/16	0748	160216A	2/2017	1000	997	P	L
ICV	J. Gevertzel	3/8/16	0749	150701A	7/2016	100	103	P	L
CCV	A. Kalmbacher	3/8/16	1510	160216A	2/2017	1,000	1012	P	L
CCV									

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

Conductivity Acceptance criteria $\pm 5\%$

pH	Name	Date	Time CT-ET	Lot #	Expir. Date	pH Buffer	Meter reading	mV	Pass /	Lab /
DEP SOP										
Calibr.	J. Gevertzel	3/8/16	0754			7.0	6.98	-53.8	P	L
Calibr.	J. Gevertzel	3/8/16	0756			4.0	3.99	128.4	P	L
Calibr.						10.0				
ICV										
CCV	A. Kalmbacher	3/8/16	1515	2509677	8/2017	7.00	6.93	-50.1	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 m

Depth (Quarterly)

Date of Last Depth Verification

Depth Sensor	Name	Date	Time	Zero the Sensor	ICV Value	Pass /	Lab /
Pressure mode in air				0.000			

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