

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

YSI # 3

RQ-

2017-11-27-19

Project

LSSR S.

- 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

10/10/2017

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.	P O'Con	11-28-17	0745	22.5	8.66	8.66	100.0	50.2	0.84261	P	L
ICV	↓	↓	0752	22.6	8.64	8.61	99.6	50.2	0.84261	P	L
CCV	B - P	11/28/17	1550	22.7	8.62	8.61	99.8	48.2	0.84261	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.	P O'Con	11-28-17	0757	170720A	08-2018	1000	1000	P	L
ICV	↓	↓	0800	170720B	08-2018	100	101	P	L
CCV	B - P	11/28/17	1553	170720A	8/18	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	Meter reading mV	Pass / Fail	Lab / Field
Calibr.	P O'Con	11-28-17	0805	2708B60	07-2019	7.0	7.00 - 9.3	P	L
Calibr.	↓	↓	0808	2710816	09-2019	4.0	4.00 - 16.7	P	L
Calibr.	↓	↓	0810	2706031	12-2018	10.0	9.99 - 183.1	P	L
ICV	↓	↓	0817	2708B60	07-2019	7.00	7.01 - 9.3	P	L
CCV	B - P	11/28/17	1555	2710816	9/19	4.0	4.04 - 16.7	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

10/10/2017

Depth Sensor (Daily)	Name	Date	Time CT-ET	Zero the Sensor	ICV Value	Pass/ Fail	Lab/ Field
Pressure mode in air	P O'Con	11-28-17	1120	0.000	0.011	P	L

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

B - P 12/19/17