

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 # 4 RQ- 2017-10-16-30 Project LSSR North

- 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 10/10/17

DO FDEP 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.	PO'Connor	10-14-17	0720	22.7	8.62	8.62	99.9	63.5	1.02017	P	C
ICV	✓	✓	0726	22.8	8.61	8.58	99.6	62.5	1.02017	P	C
CCV	JParrish	10-19-17	1345	22.8	8.61	8.66	100.4	63.5	1.02017	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.	PO'Connor	10-14-17	0730	170720A	08-2018	1000	1000	P	C
ICV	✓	✓	0732	170720B	08-2018	100	104	P	C
CCV	JParrish	10-19-17	1350	81472017	3/18	147	152	P	L
CCV									

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

Conductivity Acceptance criteria $\pm 5\%$

pH FDEP SOP FT 1100	Name	Date	Time CT-ET	Lot #	Expir. Date	pH Buffer SU	Meter reading SU	mV	Pass / Fail	Lab / Field
Calibr.	PO'Connor	10-14-17	0735	2707656	06-2019	7.0	7.00	-25.4	P	C
Calibr.			0737	2707722	06-2019	4.0	4.00	155.1	P	C
Calibr.			0740	2704798	09-2018	10.0	9.97	-197.2	P	C
ICV	✓	✓	0743	2707656	06-2019	7.0	7.02	-23.4	P	C
CCV	JParrish	10-19-17	1351	270772-2	6-2019	4.0	4.03	152.0	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 10/10/17

Depth Sensor (Daily)	Name	Date	Time CT-ET	Zero the Sensor	ICV Value	Pass / Fail	Lab / Field
Pressure mode in air	PO'Connor	10-19-17	0745	0.000	-0.006	P	L

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