

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 name.

Meter YSI #4 RQ- 2017-09-04-60 Project LSJR South #2

- 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 06-2017

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.	PO'Connor	09-05-17	0707	23.7	8.46	8.47	100.0	55.3	0.8947	P	L
ICV	↓	↓	0715	23.8	8.44	8.45	99.9	54.3	0.8947	P	L
CCV	PO'Connor	09-05-17	1230	25.1	8.24	8.11	98.2	55.3	0.8947	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	09-05-17	0717	1707204	08-2018	1000	1000	P	L
ICV	↓	↓	0720	1707206	08-2018	100	104	P	L
CCV	PO'Connor	09-05-17	1237	1707204	08-2018	1000	797	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 SU	mV	Pass / Fail	Lab / Field
Calibr.	PO'Connor	09-05-17	0724	1607A12	06-2018	7.0	7.00	-22.1	P	L
Calibr.	↓	↓	0726	2707122	06-2019	4.0	4.00	157.6	P	L
Calibr.	↓	↓	0730	2611998	05-2018	10.0	9.98	-195.6	P	L
ICV	↓	↓	0732	1607A12	06-2018	7.0	7.03	-21.8	P	L
CCV	PO'Connor	09-05-17	1240	2611998	06-2018	10.0	9.97	-195.7	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 06-2017

Depth Sensor (Daily)	Name	Date	Time CT-ET	Zero the Sensor	ICV Value	Pass / Fail	Lab / Field
Pressure mode in air	PO'Connor	09-05-17	0735	0.000	0.010	P	L

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