

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 #4 YSI RQ- 2017-05-22-08 Project LSJR Downtown

- 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 2/2017

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.	J Parnish	5/30/17	745	21.2	8.36	8.35	100	36.9	1.0857	P	L
ICV			0820	24.7	8.31	8.26	99.4	36.9	1.0857	P	L
CCV	A Kalmbacher	5-30-17	1400	25.3	8.21	8.41	102.4	36.9	1.0857	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.	A Kalmbacher	5-30-17	0800	170315B	3-2018	1,000	1,000		
ICV			0804	170315A	3-2018	100	105	P	L
CCV	A Kalmbacher	5-30-17	1415	170315B	3-2018	1,000	999	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.	A Kalmbacher	5-30-17	0805	2702C47	2/2019	7.0	7.0	-18.8		
Calibr.			0806	2610F42	10/2018	4.0	4.00	161.7		
Calibr.			0808	2611998	5/2018	10.0	9.98	-191.8		
ICV			0810	2702C47	2/2019	7.00	7.03	-17.8	P	L
CCV	A Kalmbacher	5-30-17	1420	2611998		10.00	10.00	-193.0	P	L
CCV			1423	2610F42	10/2018	4.00	4.00	160.4	P	L

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 2/2017

Depth Sensor (Daily)	Name	Date	Time CT-ET	Zero the Sensor	ICV Value	Pass / Fail	Lab / Field
Pressure mode in air	A Kalmbacher	5-30-17	0812	0.000	0.000	P	L

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