

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- 2017-10-09-08 Project Downtown Sat.

- 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 L₂₆

Temperature (Quarterly) FT 1400

Date of Last Temperature Verification 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.	B = 17	10/11/17	728	23.5	8.49	8.49	100	47.1	0.85	P	L
ICV	↓	↓	729	23.6	8.48	8.48	99.9	47.1	0.85	P	L
CCV	↓	↓	1122	24.7	8.31	8.38	100.8	47.1	0.85	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.	B = 17	10/11/17	732	17020A	8/18	1000	1000	P	L
ICV	↓	↓	734	170720B	8/18	147	152	P	L
CCV	↓	↓	1125	170720A	8/18	1000	1001	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.	B = 17	10/11/17	738	2707656	6/19	7.0	7.0	-238	P	L
Calibr.	↓	↓	742	2707722	6/19	4.0	4.0	155.7	P	L
Calibr.	↓	↓	744	2704798	9/18	10.0	9.98	-192.1	P	L
ICV	↓	↓	748	2707656	6/19	7.0	7.03	-23.4	P	L
CCV	↓	↓	1126	2704798	9/18	10.0	9.99	-192.7	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 10/17

Depth Sensor (Daily)	Name	Date	Time CT-ET	Zero the Sensor	ICV Value	Pass/ Fail	Lab/ Field
Pressure mode in air				0.000			

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

BP 10/23/17