

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 # 3 RQ- 201708-01-17 Project SUW 290P 1

- 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	08-24-17	0652	23.8	8.44	8.45	100.0	61.4	0.97491	P	C
ICV	↓	↓	0655	23.8	8.44	8.45	100.0	61.4	0.97491	P	C
CCV	PO'Connor	08-24-17	1335	25.4	8.20	8.27	100.4	62.5	0.97491	P	C
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	08-24-17	0658	170720A	08-2018	1000	1000	P	C
ICV	↓	↓	0700	170720B	08-2018	100	101	P	C
CCV	PO'Connor	08-24-17	134	170720A	08-2018	1000	1002	P	C
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	08-24-17	0703	1607A12	06-2018	7.0	7.00	-10.3	P	C
Calibr.			0707	2102743	01-2019	4.0	4.00	151.6	P	C
Calibr.			0710	2611998	05-2018	10.0	9.99	-168.3	P	C
ICV	↓	↓	0712	1607A12	06-2018	7.00	7.05	-11.6	P	C
CCV	PO'Connor	08-24-17	1345	2702743	01-2019	4.0	3.98	151.7	P	C
CCV	↓	↓	1350	2611998	05-2018	10.00	9.86	-166.2	P	C

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				0.000			

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