

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- 2016-12-12-13

Project Summer Spr

- 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 03/04/2016 0/16

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.	JParrish	12/20/16	715	21.2	8.85	8.58	100	65.5		P	
ICV	J	2	717	22.0	8.74	8.66	98.9	65.5		P	
CCV	JParrish	2	520	17.3	9.68	9.43	98.3	63.5		P	
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.	JParrish	12/20/16	730	160616A	6/17	1000	1000	P	
ICV	J	2	2	160616B	12/16	100	100	P	
CCV	J	12/20/16	1525	160616B	12/16	100	100	P	
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.	JParrish	12/20/16	733	260804	6/18	7.0	7.0	-21.0	P	
Calibr.	J		734	2605918	4/18	4.0	4.0	158.8	P	
Calibr.	J		735	2607973	1/18	10.0	10.00	-193.5	P	
ICV	J		736	2605918	4/18	4.0	4.00	158	P	
CCV	JParrish	12/20/16	1530	2607973	1/18	10.0	9.98	193.5	P	
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 1/1/16

Depth Sensor (Daily)	Name	Date	Time CT-ET	Zero the Sensor	ICV Value	Pass / Fail	Lab / Field
Pressure mode in air	JP	12/20/16	739	0.000	0.00	P	

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

NF 12/22/16