

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 ID:

YSI A

Project:

SMP Oak Creek/Marcel

- 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

9/24/2016

DO DEP SOP FT 1500	Name	Date	Time (ET)	Temp. (°C)	D.O. Chart mg/L	Meter D.O. mg/L	% DO	Probe Charge	Probe Gain	Pass / Fail	Lab / Field
Calibr.	Rosemary Murphy	10/19/16	0718	24.3	8.37	8.79	105.	41.0		(P) F	(L) F
ICV	Rosemary Murphy	10/19/16	0720	24.1	8.40	8.40	100	41.0		(P) F	(L) F
CCV	Rosemary Murphy	10/19/16	1523	28.7	7.7	7.8	100.3	44.1		(P) F	(L) F
CCV										P F	L F

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 (ET)	Lot #	Expir. Date	Standard μ hos/cm	Meter Reading μ hos/cm	Pass / Fail	Lab / Field
Calibr.	Rosemary Murphy	10/19/16	0722	1604184	4/17	1000	1000	(P) F	(L) F
ICV	Rosemary Murphy	10/19/16	0730	160823B	3/17	100	107	(P) F	(L) F
CCV	Rosemary Murphy	10/19/16	1530	2511C38	1/17	5550,000	49930	(P) F	(L) F
CCV								P F	L F

Report specific conductance as a whole number with no decimal figure.

Conductivity Acceptance criteria $\pm 5\%$

pH DEP SOP FT 1100	Name	Date	Time (ET)	Lot #	Expir. Date	pH Buffer SU	Meter reading SU	mV	Pass / Fail	Lab / Field
Calibr.	Rosemary Murphy	10/19/16	0733	161854	4/18	7.0	7.0	-62.0	(P) F	(L) F
Calibr.	Rosemary Murphy	10/19/16	0737	161523	3/18	4.0	4.0	112.8	(P) F	(L) F
Calibr.	Rosemary Murphy	10/19/16	0739	160126	2/18	10.0	10.0	-239.2	(P) F	(L) F
ICV	Rosemary Murphy	10/19/16	0741	11	11	10.0	10.0	-240.1	(P) F	(L) F
CCV	Rosemary Murphy	10/19/16	1529	161523	3/18	4.0	4.1	108.6	(P) F	(L) F
CCV									P F	L F

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

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

Notes: