

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: L-1 G-2

Project: S.M.P. Fr. Meyers

- 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 Field Cal

Temperature (Quarterly) FT 1400

Date of Last Temperature Verification 4/3/17

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.	J. P. H. S.	6/21/17	0715	23.4	8.5	8.5	100	60.5	0.90	P	F
ICV	↓	↓	0716	23.4	8.5	8.5	100	60.5	—	P	F
CCV	J. P. H. S.	6/21/17	1914	24.0	8.4	8.7	103	59.4	—	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.	J. P. H. S.	6/21/17	0717	2610864	10/18	1000	1000	P	F
ICV	↓	↓	0718	2608008	5/18	100	101	P	F
CCV	J. P. H. S.	6/21/17	1916	1610691	9/18	100,000	100739	P	L
CCV									

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

Conductivity Acceptance criteria $\pm 5\%$

pH FDEP SOP FT 1400	Name	Date	Time CT-ET	Lot #	Expir. Date	pH Buffer SU	Meter reading SU	mV	Pass / Fail	Lab / Field
Calibr.	J. P. H. S.	6/21/17	0720	165674	8/18	7.0	7.0	-17.5	P	F
Calibr.	↓	↓	0721	171241	3/19	4.0	4.0	159.5	P	F
Calibr.	↓	↓	0722	164223	7/18	10.0	10.0	-193.6	P	F
ICV	↓	↓	0723	164223	7/18	10.0	10.0	-193.6	P	F
CCV	J. P. H. S.	6/21/17	1918	171241	3/19	4.0	4.0	162.4	P	L
CCV										

Report pH with one decimal place; pH Acceptance criteria ± 0.2 SU;

mV pH 7 Range 0 ± 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 4/3/17

Depth Sensor (Daily)	Name	Date	Time CT-ET	Zero the Sensor	ICV Value	Pass/ Fail	Lab/ Field
Pressure mode in air	J. P. H. S.	6/21/17	0725	0.000	0.00	P	F

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