

RA-2017-05-29-17

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 page.

Meter ID:

L-1 G-5

Project:

JMP Bro Red

- 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

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.	5/31/17	0728	22.4	8.7	8.7	100	59.4	0.86	P	L
ICV	"	"	0729	22.4	8.7	8.7	100	59.4	-	P	L
CCV	Drew L. H. S.	"	1610	24.5	8.3	8.3	100	60.4	-	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 FDEP SOP FT 1500	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.	5/31/17	0731	2610864	10/18	1000	1000	P	L
ICV	"	"	0732	260608	5/18	100	100	P	L
CCV	Drew L. H. S.	"	1612	1610991	9/18	100K	100938	P	L
CCV									

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

Conductivity Acceptance criteria $\pm 5\%$

pH FDEP SOP FT 1500	Name	Date	Time CT-ET	Lot #	Expir. Date	pH Buffer SU	Meter reading SU	mV	Pass / Fail	Lab / Field
Calibr.	J. P. H. S.	5/31/17	0734	165674	8/18	7.0	7.0	-20.9	P	L
Calibr.	"	"	0736	164668	7/18	4.0	4.0	157.1	P	L
Calibr.	"	"	0737	164223	7/18	10.0	10.0	-197.5	P	L
ICV	"	"	0738	164223	7/18	10.0	10.0	-197.1	P	L
CCV	Drew L. H. S.	"	1614	164668	7/18	4.0	4.0	157.8	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

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.	5/31/17	0740	0.000	0.06	P	L

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