

RQ-2017-08-28-30

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-5Project: Bro Blue

- Notes: (1) Report all digits displayed for each measurement. Do not round before reporting measurements.
 (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 7/11/17

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.	J. P. Hys	8/28/17	0745	24.6	8.3	8.3	100	66.5	0.85	P/F	L/F
ICV	↓	↓	0746	24.6	8.8	8.3	100	66.5	—	P/F	L/F
CCV				25.3	8.3					P/F	L/F
CCV	multisal	8/28/17	1700	25.3	8.2	8.5	104	66.5		P/F	L/F

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. Hys	8/28/17	0748	2703068	3/19	1000	1000	P/F	L/F
ICV	↓	↓	0750	2703621	3/19	100	102	P/F	L/F
CCV	multisal	8/28/17	1700	251138	1/17	50.00	4850	P/F	L/F
CCV								P/F	L/F

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.	J. P. Hys	8/28/17	0751	182571	4/18	7.0	7.0	-20.5	P/F	L/F
Calibr.	↓	↓	0752	171241	3/19	4.0	4.0	157.2	P/F	L/F
Calibr.	↓	↓	0753	163619	6/18	10.0	10.0	198.2	P/F	L/F
ICV	↓	↓	0754	163619	6/18	10.0	10.0	-192.9	P/F	L/F
CCV	multisal	8/28/17	1700	171241	3/19	4.0	4.0	149.1	P/F	L/F
CCV									P/F	L/F

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

Is meter equipped with depth sensor? Yes / NoIf yes, list date of last quarterly depth verification 7/11/17

Depth Sensor (Daily Calibration & ICV)	Name	Date	Time CT-ET	Calibrated Value (0.000 or Offset), meters	ICV Value meters	Pass / Fail	Lab / Field
Pressure mode in air	J. P. Hys	8/28/17	0756	0.00	0.00	P/F	L/F

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

COMMENTS: