

CALIBRATION AND VERIFICATION LOG (FDEP SOP FT 1000-FT 1500, FD 1000-FD 4000)

Meter QUANTA #1

RQ- 2017-02-27-67

Project RPS LUS

Boldly "X" this box if there is qualified data on this page.

- 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

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.	PO'Connor	03-02-17	0725	23.1	8.56	8.49	99.6	-	-	Pass	LAB
ICV	✓	✓	0730	23.2	8.54	8.49	99.4	-	-	Pass	LAB
CCV	PO'Connor	03/02/17	1550	22.0	8.74						
CCV	PO'Connor	03/02/17	1555	23.0	8.57	8.40	98.2	-	-	Pass	LAB

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.	PO'Connor	03-02-17	0732	161101A	11/2017	1000	1000	Pass	LAB
ICV	✓	✓	0735	161101B	05/2017	100	100	Pass	LAB
CCV	PO'Connor	03/02/17	1600	161101A	11/2017	1000	994	Pass	LAB
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.	PO'Connor	03-02-17	0750	2608904	07/2018	7.0	7.00	-	Pass	LAB
Calibr.			0753	2608626	08/2018	4.0	4.00	-	Pass	LAB
Calibr.	✓	✓	0755	2608E35	02/2018	10.0	9.82	-	Pass	LAB
ICV	PO'Connor	03/02/17	1605	2608904	07/2018	7.00	7.11	-	Pass	LAB
CCV										
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

N/A

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