

2/22/17

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

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

Meter QUANTA #1 RQ- 2017-02-20-33 Project SUNRISE 4 GRP #1

- 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 02/09/17

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.	PO'Connor	02/22/17	0655	23.0	8.57	8.57	100.0	—	—	Pass	Lab
ICV	↓	↓	0700	22.9	8.59	8.55	99.9	—	—	Pass	Lab
CCV	J Parrish	2/22/17	1345	22.8							
CCV	PO'Connor	02/22/17	1355	22.5	8.66	8.69	100.9	—	—	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	02/22/17	0702	161101A	11/2017	1000	1000	Pass	Lab
ICV	↓	↓	0704	161101B	05/2017	100	99	Pass	Lab
CCV	J Parrish	2/22/17	1347	21472017	12/17	142	147	P	L
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	02/22/17	0710	2608904	07/2018	7.0	7.00	—	Pass	Lab
Calibr.	↓	↓	0715	2608626	08/2018	4.0	4.00	—	Pass	Lab
Calibr.	↓	↓	0720	2608E35	02/2018	10.0	9.86	—	Pass	Lab
ICV	J Parrish	2/22/17	1349	2608626	8/18	4.0	4.02	—	Pass	Lab
CCV	PO'Connor	02/22/17	1353	2608904	02/2018	7.0	6.97	—	Pass	Lab
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