

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 QUANTA #1 RQ- 296-05-02-28 Project NASSAU MIDDLE

- 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 04/ - / 2016

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	05-04-16	0650	23.7	8.46	8.47	100.0	-	-	Pass	LAD
ICV	↓	↓	0656	23.7	8.46	8.44	98.9	-	-	Pass	LAD
CCV	PO'Connor	05-04-16	1333	23.7	8.46	8.53	101.1	-	-	Pass	LAD
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 hos/cm	Meter Reading μ hos/cm	Pass / Fail	Lab / Field
Calibr.	PO'Connor	05-04-16	0658	160216A	02/2017	1000	1000	Pass	LAD
ICV	↓	↓	0700	↓	↓	↓	997	Pass	LAD
CCV	PO'Connor	05-04-16	1335	160216B	08/2016	100	102	Pass	LAD
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	05-04-16	0702	2509677	08-2017	7.0	7.00	-	Pass	LAD
Calibr.	↓	↓	0714	2509F74	09-2017	4.0	4.00	-	Pass	LAD
Calibr.	↓	↓		2509677	08-2017	10.0	6.96	-	Pass	LAD
ICV	PO'Connor	05/04/16	1337	2509F74	09/2017	4.0	4.08	-	Pass	LAD
CCV										
CCV										

Report pH with one decimal place; pH Acceptance criteria ± 0.2 SU;
 +180 $\pm$ 50; mV pH 10 Range -180 $\pm$ 50;
 and 180mV

mV pH7 Range 0 $\pm$ 50;

mV pH 4 Range

Slope from 7 to 10 and 4 to 7 must be between 165

Depth (Quarterly)

N/A

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