

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 DEP 143734 QUANTA #1 RQ- 2016-09-19-47 Project SUN AMER #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

1/2016 07/2016

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'com	09/22/16	0710	23.5	8.49	8.49	100.0	—	—	Pass	LAD
ICV	↓	↓	0720	23.6	8.48	8.46	100.0	—	—	Pass	LAD
CCV	AKalmbacher	9-22-16	1355	26.0	8.11	8.15	100.5	—	—	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. 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'com	9/22/16	0722	160616A	06/2017	1000	1000	Pass	LAD
ICV	↓	↓	0729	15113A	11/2016	100	101	Pass	LAD
CCV	AKalmbacher	9-22-16	1358	160616A	6/2017	999			
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'com	9/22/16	0725	2606E04	06/2018	7.0	7.00	—	Pass	LAD
Calibr.			0728	2606556	01/2018	4.0	4.00	—	Pass	LAD
Calibr.			0732	2516A88	04/2017	10.0	9.91	—	Pass	LAD
ICV	↓	↓	1400	2606E04	06/2018	7.0	7.11	—	P	L
CCV	AKalmbacher									
CCV										

Report pH with one decimal place; pH Acceptance criteria ± 0.2 SU;

mV pH7 Range 0 ± 50 ;

mV pH 4 Range

+180 ± 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