

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 YSI 400 #3 RQ- 2016-08-08-14 Project Nassau East 2

DEP #113535

- 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

07/07/2016
PO

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 Conn	08/10/16	0705	24.0	8.41	8.41	100	57.4	0.87447	Pass	LAD
ICV	✓	✓	0748	24.1	8.40	8.36	99.7	58.4	0.87447	Pass	LAD
CCV	PO Conn	08/10/16	1417	27.9	7.84	8.08	102.4	57.4	0.87447	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 Conn								
ICV	150616A	08/10/16	0750	1606164	06/2017	1000	1005	Pass	LAD
ICV	15113	✓	0752	15113A	11/2016	100	101	Pass	LAD
CCV	PO Conn	08/10/16	1425	1298116	04/2017	12,900	12913	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 Conn	08/10/16	0755	2606E09	06/2018	7.0	7.03	-11.8	Pass	LAD
ICV	✓	✓	0805	2602556	01/2018	4.0	3.98	148.2	Pass	LAD
Calibr.	PO Conn	08/10/16	1430	2604E09	06/2018	10.0	7.01	-10.9	Pass	LAD
ICV										
CCV										
CCV										

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

mV pH7 Range 0 $\pm$ 50;

mV pH 4 Range

+180 $\pm$ 50; mV pH 10 Range -180 $\pm$ 50;

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

and 180 mV

Depth (Quarterly)

Date of Last Depth Verification

07/2016

Depth Sensor (Daily)	Name	Date	Time CT-ET	Zero the Sensor	ICV Value	Pass / Fail	Lab / Field
Pressure mode in air	PO Conn	08/10/16	0807	0.000	0.00	Pass	LAD

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