

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

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

Meter ID:

Q143734

Project:

Nassau West

RQ-2016-02-29-35

- 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

Lab

Temperature (Quarterly) FT 1400

Date of Last Temperature Verification

1/22/2016

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 /	Lab /
Calibr.	J. Gruentzel	3/1/2016	0715	22.87	8.6	8.69	101.0	-	-	P	L
ICV	J. Gruentzel	3/1/2016	0716	22.88	8.6	8.59	100.0	-	-	P	L
CCV	J. Gruentzel	3/1/2016	1257	23.26	8.53	8.28	97.0	-	-	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.	Name	Date	Time CT-ET	Lot #	Expir. Date	Standard μ hos/cm	Meter Reading μ hos/cm	Pass /	Lab /
Cond.									
Calibr.	J. Gruentzel	3/1/2016	0719	151113B	1/1/2016	1000	987 1005	P	L
ICV	J. Gruentzel	3/1/2016	0720	150701A	7/2016	100	101	P	L
CCV	J. Gruentzel	3/1/2016	1259	150701A	7/2016	100	101		
CCV									

Report specific conductance as a whole number with no decimal figure.

Conductivity Acceptance criteria $\pm 5\%$

pH	Name	Date	Time CT-ET	Lot #	Expir. Date	pH Buffer SU	Meter reading SU	mV	Pass /	Lab /
DEP SOP										
Calibr.	J. Gruentzel	3/1/2016	0723	2501677	8/17	7.0		-	P	L
Calibr.	J. Gruentzel	3/1/2016	0725	2509F74	9/17	4.0	3.97	-	P	L
Calibr.						10.0				
ICV	J. Gruentzel	3/1/2016	0726	2506675	11/16	10.0	9.88	-	P	L
CCV	J. Gruentzel	3/1/2016	1301	2509677	8/17	7.0	7.18	-	P	L
CCV	J. Gruentzel	3/1/2016	1303	2509F74	9/17	4.0	4.12	-	P	L

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 m

Depth (Quarterly)

Date of Last Depth Verification

N/A

Depth Sensor	Name	Date	Time	Zero the Sensor	ICV Value	Pass /	Lab /
Pressure mode in air				0.000			

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