

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:

143734

Project:

Nassau West

RD-2016-02-08-46

- 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 1/22/16

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.	B Davis	2/17/16	710	22.8	8.61	8.61	100	/	/	P	L
ICV	↓	↓	711	22.82	8.61	8.61	100.1	/	/	P	L
CCV				22.97	8.58						
CCV	B Davis	2/17/16	1215	23.28	8.53	8.27	96.9	/	/	P	L

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 mhos/cm	Meter Reading μ mhos/cm	Pass /	Lab /
Calibr.	B Davis	2/17/16	714	151113B	11/16	1000	1000	P	L
ICV	↓	↓	715	↓	↓	1000	1006	P	L
CCV	B Davis	2/17/16	1217	150701A	01/16	100	105	P	L
CCV									

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

Conductivity Acceptance criteria $\pm 5\%$

pH DEP SOP	Name	Date	Time CT-ET	Lot #	Expir. Date	pH Buffer SLI	Meter reading SLI	mV	Pass /	Lab /
Calibr.	B Davis	2/17/16	720	2504B18	4/17	7.0	7.0	/	P	L
Calibr.	↓	↓	723	2509F74	9/17	4.0	4.0	/	P	L
Calibr. ICV	↓	↓	725	2506675	11/16	10.0	9.82	/	P	L
ICV										
CCV	B Davis	2/17/16	1219	2504B18	4/17	7.0	6.83	/	P	L
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 m

Depth (Quarterly)

Date of Last Depth Verification

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