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: YSI 650 #4 Project: Nassau East

RQ-2016-02-29-58

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	3/3	742	21.9	8.76	8.76	100	55.3	.85249	P	L
ICV	↓	↓	742	21.9	8.76	8.25	100	55.3	.85249	P	L
CCV	B Davis	3/3	1645	22.7	8.62	8.52	98.7	~~55.3~~		P	L
CCV								55.3			

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.	Name	Date	Time CT-ET	Lot #	Expir. Date	Standard µmhos/cm	Meter Reading µmhos/cm	Pass /	Lab /
Calibr.	B Davis	3/3	745	160216A	02/17	1000	1000	P	L
ICV	↓	↓	746	↓	↓	1000	999	P	L
CCV	B Davis	3/3	1649	1165864	11/16	57800	58640	P	L
CCV									

Report specific conductance as a whole number with no decimal figure. Conductivity Acceptance criteria ± 5%

pH DEP SOP	Name	Date	Time CT-ET	Lot #	Expir. Date	pH Buffer SU	Meter reading SU	mV	Pass /	Lab /
Calibr.	B Davis	3/3	747	2509677	8/17	7.0	7.0		P	L
Calibr.	↓	↓	750	2509F74	9/17	4.0	4.0		P	L
Calibr.			752	2506675	11/16	10.0	10.0		P	L
ICV			755	2509677	8/17	7.0	7.08	-49.1	P	L
CCV	B Davis	3/3	1649	2509F74	9/17	4.0	3.96	132.8		
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 m

Depth (Quarterly) Date of Last Depth Verification 1/22/16

Depth Sensor	Name	Date	Time	Zero the Sensor	ICV Value	Pass /	Lab /
Pressure mode in air	B Davis	3/3	758	0.000	0.0	P	P

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