

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 name.

Meter ID: YSI #3

RQ: 2018-09-10-19

Project: NASSAU West

Notes: (1) Always wait for meter to stabilize before recording any readings.

(2) Report all digits displayed. Do not round before reporting measurements. (See special instructions for depth).

(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

07-11-18

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'Connor	09-10-18	0657	23.8	8.44	8.44	100.0	—	—	<u>P/F</u>	<u>L/F</u>
ICV	VPO'Connor	V	0700	23.9	8.43	8.41	99.4	—	—	<u>P/F</u>	<u>L/F</u>
CCV	PO'Connor	09-10-18	1305	24.3	8.37	8.44	100.9	—	—	<u>P/F</u>	<u>L/F</u>
CCV										P/F	L/F

DO Acceptance criteria from Table ± 0.3 mg/L.

Optical: DO gain range 0.85 to 1.15; DO charge N/A.

Rapid-Pulse Sensors: DO Gain Range 0.7 to 1.4; DO Charge Range 25-75.

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'Connor	09-10-18	0703	180711A	07-2019	1000	1000	<u>P/F</u>	<u>L/F</u>
ICV	V	V	0705	180321A	04-2019	100	102	<u>P/F</u>	<u>L/F</u>
CCV	PO'Connor	09-10-18	1310	180711A	07-2019	1000	1000	<u>P/F</u>	<u>L/F</u>
CCV								P/F	L/F

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'Connor	09-10-18	0710	2803E45	03-2020	7.0	7.00	-9.6	<u>P/F</u>	<u>L/F</u>
Calibr.			0713	2803D38	03-2020	4.0	4.00	138.2	<u>P/F</u>	<u>L/F</u>
Calibr.			0716	2712B55	06-2019	10.0	9.98	-170.8	<u>P/F</u>	<u>L/F</u>
ICV	V	V	0720	2803E45	03-2020	7.0	7.03	-19.0	<u>P/F</u>	<u>L/F</u>
CCV	PO'Connor	09-10-18	1315	2803D38	03-2020	4.0	4.03	135.7	<u>P/F</u>	<u>L/F</u>
CCV									P/F	L/F

pH Acceptance criteria ± 0.2 SU; mV pH 7 Range 0 ± 50 ; mV pH 4 Range $+180 \pm 50$; mV pH 10 Range -180 ± 50 ;

If mV are recorded: slope from 7 to 10 _____, slope from 4 to 7 _____ (both must be between 165 and 180 mV)

Is meter equipped with depth sensor? Yes / No If yes, list date of last quarterly depth verification 07-11-18

Depth Sensor (Daily Calibration & ICV)	Name	Date	Time CT-ET	Calibrated Value (0.00 or Offset), meters	ICV Value meters	Pass / Fail	Lab / Field
Pressure mode in air						P/F	L/F

Report two decimal places. Round numbers ≤ 4 down, ≥ 5 up. ICV acceptance criteria $\pm 5\%$ or ± 0.05 m, whichever is greater.

COMMENTS:

BP QC/Scanned 9/17/18 JP 9/14/18