RQ 2016-05-02-106

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

CALIBRATION AND VERIFICATION LOG (FDEP SOP FT 1000-FT 1500, FD 1000-FD4000)

Meter YSI 556 #1 RQ- 2016-05-02-106 Project SCI NASSAU SOAP

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 04/2016

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 / Fail	Lab / Field
Calibr.	PO'Connor	05-05-16	0702	22.7	8.62	8.62	100.0	—	—	Pass	LAB
ICV	↓	↓	0705	22.7	8.62	8.62	100.0	—	—	Pass	LAB
CCV	~~PO'Connor~~	~~05-05-16~~	~~1352~~	~~23.5~~	~~8.49~~	AO					
CCV	PO'Connor	05-05-16	1400	23.2	8.54	8.7	101.8	—	—	Pass	POLAB

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 µmhos/cm	Meter Reading µmhos/cm	Pass / Fail	Lab / Field
Calibr.	PO'Connor	05-05-16	0710	1602164	02/2017	1000	1000	Pass	LAB
ICV	↓	↓	0712	↓	↓	↓	1001	Pass	LAB
CCV	PO'Connor	05-05-16		1602165	08-2016	100	102	Pass	LAB
CCV									

Report specific conductance as a whole number with no decimal figure. Conductivity Acceptance criteria ±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	05-05-16	0715	Lot2509677	08/2017	7.0	7.00	-38.2	Pass	LAB
Calibr.	↓	↓	0718	2509F74	09/2017	4.0	4.00	141.5	Pass	LAB
Calibr.	↓	↓	0720	2510A88	04/2017	10.0	9.98	-210.8	Pass	LAB
ICV	↓	↓	0723	2509677	08/2017	7.0	7.04	-38.2	Pass	LAB
CCV	PO'Connor	05-05-16	1405	2509F74	09-2017	4.0	4.12	133.4	Pass	LAB
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 mV

Depth (Quarterly) Date of Last Depth Verification N/A

Depth Sensor (Daily)	Name	Date	Time CT-ET	Zero the Sensor	ICV Value	Pass / Fail	Lab / Field
Pressure mode in air				0.000			

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