3 of 8

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

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

Meter ID: YSI 556 #1 Project: SMP NASSAU EAST

RD-2016-02-08-48

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 1/16

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.	PO'Connor	~~0705~~ 2/11/16	0705	20.6	8.98	9.0	100.0	—	—	Pass	CAS
ICV	↓	↓	0715	20.6	8.98	9.0	100.2	—	—	Pass	CAS
CCV	J Parrish	2/11/16	1325	21.4	8.85	~~8.5~~ 9.1	102.5	—	—	Pass	
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. Cond.	Name	Date	Time CT-ET	Lot #	Expir. Date	Standard µmhos/cm	Meter Reading µmhos/cm	Pass /	Lab /
Calibr.	PO'Connor	2/11/16	0718	151113B	11/2016	1000	1000	Pass	CAS
ICV	↓	↓	0720	↓	↓	↓	1000	Pass	CAS
CCV	J Parrish	2/11/16	1336	1658614	11/16	~~58640~~ 55,913	58640	Pass	CAS
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.	PO'Connor	2/11/16	0725	2504618	04/2017	7.0	7.00	-33.8	Pass	CAS
Calibr.	↓	↓	0730	2509F14	09/2017	4.0	4.00	143.9	Pass	CAS
Calibr.			0735	2506675	11/2016	10.0	10.00	-206	Pass	CAS
ICV	↓	↓	0740	↓	↓	10.0	9.99	-207	Pass	CAS
CCV	J Parrish	2/11/16	1335	2504B18	~~2504~~ 4/17	7.0	~~7.04~~	—	Pass	CAS
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) N/A 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 ±5 % or ±0.05m, whichever is greater