

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:

SI 118154

Project:

Nassau West

RQ 2016-04-04-27

- 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 1/2016

Temperature (Quarterly) FT 1400

Date of Last Temperature Verification

DO	Name	Date	Time	Temp	D.O.	Meter	% DO	Probe	Probe	Pass	Lab
DEP SOP			CT-ET		Chart	D.O.		Charge	Gain	/	/
FT 1500					ma/l	ma/l					
Calibr.	AKalmbacher	4-5-2016	0745	21.9	8.75	8.76	100.0	60.4	0.889	P	L
ICV			0800	22.6	8.74	8.72	99.9	59.7	0.887	P	L
CCV			1405	22.9	8.59	8.33	97.1	61.4	0.889	P	L
CCV											

Report DO mg/L with one decimal figure and DO % saturation as a whole number with no decimals.

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	Lot #	Expir.	Standard	Meter	Pass	Lab
Cond.			CT-ET		Date	μ mhos/cm	Reading	/	/
							μ mhos/cm		
Calibr.	AKalmbacher	4-5-2016	0748	160216A	2/2017	1.000	1.001	P	L
ICV			0805	160216A	2/2017	1.000	1.026	P	L
CCV		4-5-2016	1410	160216B	08/2016	100	105	P	L
CCV									

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

pH	Name	Date	Time	Lot #	Expir.	pH	Meter	mV	Pass	Lab
DEP SOP			CT-ET		Date	Buffer	reading		/	/
						SLI	SLI			
Calibr.	AKalmbacher	4-5-2016	0750	2509677	8/2017	7.0	7.00	-48.5	P	L
Calibr.			0753	2509F74	9/2017	4.0	4.00	133.9	P	L
Calibr.			0759	2510A88	4/2017	10.0	9.96	-219.0	P	L
ICV		4-5-2016	1415	2509677	8/2017	7.00	7.06	-48.8	P	L
CCV										
CCV										

Report pH with one decimal place; pH Acceptance criteria ± 0.2 SU; mV pH7 Range 0 ± 50 ; mV pH 4 Range $+180 \pm 50$;
 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

Depth Sensor	Name	Date	Time	Zero the	ICV Value	Pass /	Lab /
Pressure mode				Sensor			
in air				0.000			

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

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 556 #1

Project:

VEC North

RQ

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

01/2016

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 /	Lab /
Calibr.	P O'Connor	4/5/16	0705	22.9	8.59	8.59	100.0	—	—	Pass	LAD
ICV	↓	↓	0710	23.0	8.57	8.57	99.9	—	—	Pass	LAD
CCV	P O'Connor	4/5/16	1353	23.8	8.51	8.3	98.2	—	—	Pass	LAD
CCV	↓	↓	↓	↓	8.44	↓	↓	↓	↓	↓	↓

Report DO mg/L with one decimal figure and DO % saturation as a whole number with no decimals.

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 /
Cond.									
Calibr.	P O'Connor	4/5/16	0722	160216A	02/2017	1000	1000	Pass	LAD
ICV	↓	↓	0724	↓	↓	↓	999	Pass	LAD
CCV	P O'Connor	4/5/16	1400	160216A	02/2017	1000	1001	Pass	LAD
CCV	↓	↓	1402	160216B	08/2016	100	102	Pass	LAD

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

pH	Name	Date	Time CT-ET	Lot #	Expir. Date	pH Buffer	Meter reading	mV	Pass /	Lab /
DEP SOP										
Calibr.	P O'Connor	4/5/16	0725	2509677	08/2017	7.0	7.00	-37.8	Pass	LAD
Calibr.	↓	↓	0730	2509674	09/2017	4.0	4.00	142.3	Pass	LAD
Calibr.	↓	↓	0735	2510A88	04/2017	10.0	9.98	-210.0	Pass	LAD
ICV	↓	↓	0737	2509677	08/2017	7.0	7.04	-38.0	Pass	LAD
CCV	P O'Connor	4/5/16	1407	2510A88	04/2017	10.0	9.98	-211.1	Pass	LAD
CCV	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓

Report pH with one decimal place; pH Acceptance criteria ± 0.2 SU; mV pH7 Range 0 ± 50 ; mV pH 4 Range $+180 \pm 50$; 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

N/A

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