

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:

143734

Project:

Nassau Middle

- 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	4/6/16	737	23.22	8.54	8.54	100	—	—	P	L
ICV	↓	↓	738	23.22	8.54	8.51	99.5	—	—	P	L
CCV	A Kalmbacher	4-6-16	1320	23.9	8.43	8.15	96.5			P	L
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.	Name	Date	Time CT-ET	Lot #	Expir. Date	Standard μ mhos/cm	Meter Reading μ mhos/cm	Pass /	Lab /
Cond.									
Calibr.	B Davis	4/6/16	740	160216A	2/17	1000	1000	P	L
ICV	↓	↓	742	↓	↓	1000	1001	P	L
CCV	A Kalmbacher	4-6-16	1325	160216B	8/2016	100	102	P	L
CCV									

Report specific conductance as a whole number with no decimal figure.

Conductivity Acceptance criteria $\pm 5\%$

pH DEP SOP	Name	Date	Time CT-ET	Lot #	Expir. Date	pH Buffer SU	Meter reading SU	mV	Pass /	Lab /
Calibr.	B Davis	4/6/16	750	2509677	8/17	7.0	7.0	—	P	L
Calibr.	↓	4/6/16	755	2509F74	9/17	4.0	4.0	—	P	L
Calibr.	↓	4/6/16	759	2510A88	4/17	10.0	10.0	—	P	L
ICV	↓	4/6/16	802	2509677	8/17	7.0	7.03	—	P	L
CCV	A Kalmbacher	4-6-16	1327	2509677	8/17	7.0	7.01	—	P	L
CCV			1330	2509F74	9/17	4.0	3.84	—	P	L

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

mV pH 4 Range +180 $\pm$ 50;

mV pH 10 Range -180 $\pm$ 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				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:

451556 #1

Project:

SMA SCI

RQ 2016-04-04-29

- 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 mV/L	Meter D.O. mV/L	% DO	Probe Charge	Probe Gain	Pass /	Lab /
Calibr.	PO'Connor	4/6/16	0703	22.5	8.66	8.66	100.0	—	—	Pass	LAB
ICV	↓	↓	0715	22.5	8.66	8.65	99.9	—	—	Pass	CAB
CCV	PO'Connor	4/6/16	1725	24.2	8.57	8.57	101.1	—	—	Pass	CAB
CCV				23.6	8.48	8.48					

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.	Name	Date	Time CT-ET	Lot #	Expir. Date	Standard μ mhos/cm	Meter Reading μ mhos/cm	Pass /	Lab /
Cond.									
Calibr.	PO'Connor	4/6/16	0717	160216A	02/2017	1000	1000	Pass	CAB
ICV	↓	↓	0720	↓	↓	↓	1001	Pass	CAB
CCV	PO'Connor	4/6/16	1730	160216B	08/2016	100	103	Pass	CAB
CCV									

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

pH DEP SOP	Name	Date	Time CT-ET	Lot #	Expir. Date	pH Buffer SU	Meter reading SU	mV	Pass /	Lab /
Calibr.	PO'Connor	4/6/16	0722	2509677	08/2017	7.0	7.00	-36.9	Pass	CAB
Calibr.			0725	2509674	04/2017	4.0	4.00	142.8	Pass	CAB
Calibr.			0730	2510A88	04/2017	10.0	9.98	-209.9	Pass	CAB
ICV	↓	↓	0732	2509677	08/2017	7.0	7.03	-36.1	Pass	CAB
CCV	PO'Connor		1732	2510A88	04/2017	10.0	9.96	-208.7	Pass	CAB
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)

N/A

Date of Last Depth Verification

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