

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:

4SI556 #1

Project:

SMP SCI

RK-2016-02-29-59

- 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 DEP SOP FT 1500 Calibr.	Name	Date	Time CT-ET	Temp	D.O. Chart mg/L	Meter D.O. mg/L	% DO	Probe Charge	Probe Gain	Pass /	Lab /
	PO'Connor	3/2/16	0750	24.0	8.41	8.41	100.0	—	—	Pass	LAD
ICV	✓	✓	0755	24.1	8.40	8.40	100.0	—	—	Pass	LAD
CCV	PO'Connor	3/2/16	1343	24.1	8.40	8.50	101.2	—	—	Pass	LAD
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.	PO'Connor	3/2/16	0757	151138	11/2016	1000	1000	Pass	LAD
ICV	✓	✓	0758	✓	✓	✓	998	Pass	LAD
CCV	PO'Connor	3/2/16	1345	150701A	07/2016	100	103	Pass	LAD
CCV									

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 SU	Meter reading SU	mV	Pass /	Lab /
DEP SOP										
Calibr.	PO'Connor	3/2/16	0800	2509677	08/2017	7.0	7.00	-34.1	Pass	LAD
Calibr.	✓	✓	0803	2509674	09/2017	4.0	4.00	146	Pass	LAD
Calibr.	✓	✓	0807	2506675	11/2016	10.0	10.00	-205	Pass	LAD
ICV	✓	✓	0810	2509677	08/2017	7.0	7.02	-32	Pass	LAD
CCV	PO'Connor	3/2/16	1348	2506675	11/2016	10.0	9.98	205.5	Pass	LAD
CCV										

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) 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 $\pm 5\%$ 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:

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 1/22/2016

DO DEP SOP FT 1500 Calibr.	Name	Date	Time CT-ET	Temp	D.O. Chart mg/L	Meter D.O. mg/L	% DO	Probe Charge	Probe Gain	Pass /	Lab /
	J. Gevertzel	3/2/2016	0731	23.51	8.5	8.				P	L
ICV	J. Gevertzel	3/2/2016	0732	23.51	8.5	8.49	99.9	-	-	P	L
CCV	A. Kalmbacher	3/2/2016	1250	23.2	8.54	8.29	97.0	-	-	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. Cond. Calibr.	Name	Date	Time CT-ET	Lot #	Expir. Date	Standard μ hos/cm	Meter Reading μ hos/cm	Pass /	Lab /
	J. Gevertzel	3/2/2016	0736	151113B	11/2017	1000		P	L
ICV	J. Gevertzel	3/2/2016	0740	150701A	7/2016	100	100	P	L
CCV	A. Kalmbacher	3/2/2016	1252	151113B	11/2017	1000	979	P	L
CCV									

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

Conductivity Acceptance criteria $\pm 5\%$

pH DEP SOP Calibr.	Name	Date	Time CT-ET	Lot #	Expir. Date	pH Buffer SU	Meter reading SU	mV	Pass /	Lab /
	J. Gevertzel	3/2/2016	0744	2504818	4/2017	7.0		-	P	L
Calibr.	J. Gevertzel	3/2/2016	0750	2509F74	9/2017	4.0		-	P	L
Calibr.	J. Gevertzel	3/2/2016	0758	2504824	10/2016	10.0			P	L
ICV	J. Gevertzel	3/2/2016	0759	2504824	10/2016	10.0	10.02		P	L
CCV	A. Kalmbacher	3/2/2016	1305	2504318		7.00	7.20		P	L
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 Sensor	ICV Value	Pass /	Lab /
Pressure mode in air				0.000			

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