

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

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

Meter 556 PST RQ- 2016-05-09-30 Project Nassau West / mid

- 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 4/2016

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.	N. Frederick	5/16/16	0835	23.70	8.47	8.39	99.1	—	—	P	L
ICV	N. Frederick	5/16/16	0840	23.50	8.45	8.44	99.9	—	—	P	L
CCV	J. Gruentzel	5/16/16	1530	24.18	8.36	8.38	100.0	—	—	P	L
CCV				23.80	8.40						

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 μ mhos/cm	Meter Reading μ mhos/cm	Pass / Fail	Lab / Field
Calibr.	N. Frederick	5/16/16	0845	160216A	2/2017	1000	1000	P	Lab
ICV	N. Frederick	5/16/16	0847	160216B	2/2016	100	102	P	Lab
CCV	J. Gruentzel	5/16/16	1534	160216A	2/2017	1000	1002	P	L
CCV	J. Gruentzel	5/16/16	1535	160216B	2/2016	100	102	P	L

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

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.	N. Frederick	5/16/16	0900	2509F77	8/2017	7.0	7.00	-428	P	Lab
Calibr.	N. Frederick	5/16/16	0905	2509F74	9/2017	4.0	3.99	132.4	P	Lab
Calibr.	N. Frederick	5/16/16	0907	2510A88	4/2017	10.0	10.00	-212.8	P	Lab
ICV	J. Gruentzel	5/16/16	1537	2509677	8/2017	7.00	7.02	-46.7	P	L
CCV	J. Gruentzel	5/16/16	1538	2509F74	9/2017	4.00	3.90	135.1	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 mV

Depth (Quarterly) Date of Last Depth Verification 4/2016

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