

RQ-2016-09-05-70

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

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

Meter ID: W 6-8

Project: SMP Everglades

- 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 6/13/16

DO DEP SOP FT 1500	Name	Date	Time ET/ET	Temp	DO Chan	DO Slope	DO	DO Chan	DO Slope	DO	Pass	Lab
Calibr.	T WPPIC	9/7/16	900	23.0	8.5	8.5	100	1.194	54		P	C
ICV				23.5	8.5	8.5	100				P	C
CCV	J. P. H. S.	9/7/16	1843	24.5	8.3	8.3	99	53	-		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.

Specific Conductance DEP SOP FT 1400	Name	Date	Time ET/ET	Temp	Specific Conductance	Specific Conductance	Specific Conductance	Specific Conductance	Specific Conductance	Specific Conductance	Pass	Lab
Calibr.	T WPPIC	9/7/16	900	26.06	103	02/18	1000	1000			P	C
ICV				26.03	103	3/18	100	103			P	C
CCV	J. P. H. S.	9/7/16	1845	26.05	125	12/17	5000	4936			P	L
CCV												

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

Conductivity Acceptance criteria $\pm 5\%$

pH DEP SOP FT 1400	Name	Date	Time ET/ET	Temp	pH	pH	pH	pH	pH	pH	Pass	Lab
Calibr.	T WPPIC	9/7/16	900	16.18	56	3/18	7.0	7.0	-15		P	C
Calibr.				16.15	23	04/18	4.0	4.0	163		P	C
Calibr.				16.09	10	3/18	10.0	10.0	-193		P	C
ICV				16.09	10	3/18	10.0	10.0			P	-
CCV	J. P. H. S.	9/7/16	1846	26.05	125	12/17	4.0	4.1			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 6/13/16

Depth Sensor (Daily)	Name	Date	Time ET/ET	Zero the Sensor	ICV Value	Pass / Fail	Lab / Field
Pressure mode in air	T WPPIC	9/7/16	0900	0.000	0.000	P	C

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