

RQ-2017-03-20-36

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 name.

Meter ID:

H1625

Project:

SMP 55 entry

- 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 SiteTemperature (Quarterly) FT 1400

Date of Last Temperature Verification

12/20/16

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 / Fail	Lab / Field
Calibr.	Matt Sewell	3/21/17	8:31	20.8	8.9	8.9	100	57.4	0.84	P	L
ICV	Matt Sewell	3/21/17	8:35	20.9	8.9	8.9	100	57.4		P	L
CCV	Matt Sewell	3/21/17	17:30	21.8	8.6						
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. FT 1200	Name	Date	Time CT-ET	Lot #	Expir. Date	Standard μ mhos/cm	Meter Reading μ mhos/cm	Pass / Fail	Lab / Field
Calibr.	Matt Sewell	3/21/17	8:35	2610864	10/18	1000	1000	P	L
ICV	Matt Sewell	3/21/17	8:35	2604736	3/18	100	101	P	L
CCV	Matt Sewell	3/21/17	17:45	2601545	12/17	5000	4916	P	L
CCV									

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.	Matt Sewell	3-24-17	8:35	165674	8/18	7.0	7.0	-13.0	P	L
Calibr.				164668	7/18	4.0	4.0	165.4	P	L
Calibr.				166910	2/18	10.0	10.0	-187.0	P	L
ICV	Matt Sewell	3/21/17	8:40	166910	3/18	10.0	10.0	-187.0	P	L
CCV	Matt Sewell	3/21/17	17:45	164668	2/18	4.0	4.1	159.5	P	L
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 mV

Depth (Quarterly)

Date of Last Depth Verification

12/20/16

Depth Sensor (Daily)	Name	Date	Time CT-ET	Zero the Sensor	ICV Value	Pass / Fail	Lab / Field
Pressure mode in air	Matt Sewell	8-29-2017	8:30	0.000	0.0	P	L

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

RQ-2017-03-20-37

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 page.

Meter ID:

A E3

Project:

GS 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 1/23/17

DO FDEP 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.	J. P. J. S.	3/21/17	0743	18.8	9.3	9.3	100	53.3	1.16	P	L
ICV	↓	↓	0744	18.9	9.3	9.3	100	52.3	-	P	L
CCV	J. P. J. S.	3/21/17	1715	21.3	8.9	8.8	99	52.3	-	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. Conduct. FT 1200	Name	Date	Time CT-ET	Lot #	Expir. Date	Standard μ mhos/cm	Meter Reading μ mhos/cm	Pass / Fail	Lab / Field
Calibr.	J. P. J. S.	3/21/17	0746	2610B64	10/18	1000	1000	P	L
ICV	↓	↓	0747	2604736	3/18	100	104	P	L
CCV	J. P. J. S.	3/21/17	1717	2601525	12/17	5000	4980	P	L
CCV									

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

Conductivity Acceptance criteria $\pm 5\%$

pH FDEP SOP FT 1100	Name	Date	Time CT-ET	Lot #	Expir. Date	pH Buffer SU	Meter reading SU	mV	Pass / Fail	Lab / Field
Calibr.	J. P. J. S.	3/21/17	0749	165674	8/18	7.0	7.0	-12.6	P	L
Calibr.	↓	↓	0751	164668	7/18	4.0	4.0	158.0	P	L
Calibr.	↓	↓	0753	160910	3/18	10.0	10.0	195.0	P	L
ICV	↓	↓	0755	160910	3/18	10.0	10.0	-	P	L
CCV	J. P. J. S.	3/21/17	1719	164668	3/21	4.0	4.1	-	P	L
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 mV

Depth (Quarterly)

Date of Last Depth Verification 1/23/17

Depth Sensor (Daily)	Name	Date	Time CT-ET	Zero the Sensor	ICV Value	Pass / Fail	Lab / Field
Pressure mode in air	J. P. J. S.	3/21/17	0757	0.000	0.00	P	L

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