

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

Don't X this box if there is qualified data on this name

Meter ID:

7

Project:

Smp Fl Keys

D.O. + End

RQ-2017-05-29-32

- 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

DO DEP SOP FT 1500	Name	Date	Time (ET)	Temp. (°C)	D.O. Chart mg/L	Meter D.O. mg/L	% DO	Probe Charge	Probe Gain	Pass / Fail	Lab / Field
Calibr.	Chase only	4/12/17	0715	22.2	8.7	8.7	100	64		P F	L F
ICV	↓	↓	0717	22.7	8.5	8.5	99	64		P F	L F
CCV	↓	↓	0717			9.9	114			P F	L F
CCV	Ben K. Swartz	4/13/17	700							P F	L F

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 (ET)	Lot #	Expir. Date	Standard μ mhos/cm	Meter Reading μ mhos/cm	Pass / Fail	Lab / Field
Calibr.	Chase only	4/12/17	0719	260418B	4/17	5004	4998	P F	L F
ICV	Chase only	4/12/17	0722	2511038	11/17	50000	48783	P F	L F
CCV			710	2	11/17	45166		P F	L F
CCV								P F	L F

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

Conductivity Acceptance criteria $\pm 5\%$

pH DEP SOP FT 1100	Name	Date	Time (ET)	Lot #	Expir. Date	pH Buffer SU	Meter reading SU	mV	Pass / Fail	Lab / Field
Calibr.	Chase only	4/12/17	0725	164224	6/18	7.0	7.0	-65	P F	L F
Calibr.	↓	↓	0727	161216D	12/17	4.0	4.0	18	P F	L F
Calibr.	↓	↓	0729	161216C	6/18	10.0	10.1	-14	P F	L F
ICV		4/12/17	0731	161216D	12/17	4.0	3.9	29	P F	L F
CCV	Ben		712	161216D	12/17	4.0	3.8	27	P F	L F
CCV				161216C		10.0	9.8	-83	P F	L F

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

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

Notes: