

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

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Meter ID:

Arya

RQ:

2019-02-04-73

Project:

SMP-North Miami

Notes: (1) Always wait for meter to stabilize before recording any readings.

(2) Report all digits displayed. Do not round before reporting measurements. (See special instructions for depth)

(3) For Calibrations, record calibrated meter reading. Do not record initial meter reading before calibration.

Temperature (Quarterly) FT 1400

Date of Last Temperature Verification

3/7/19

DO FDEP SOP FT 1500	Name	Date	Time CT-ET	Temp °C	Baro- meter mmHg	D.O. Chart mg/L	Meter D.O. mg/L	% DO	Probe Charge	Probe Gain	Pass / Fail
Calibr.	Alex Miranda	3/4/19	9:02	24.7	760	8.30	8.31	100.1	N/A	1.03	P/F
ICV	Alex Miranda	"	9:04	24.8	760	8.29	8.30	100.2	N/A	1.03	P/F
CCV	Kristene B.	03/09/19	4:05	24.9	760	8.27	8.52	103	N/A	1.03	P/F
CCV											P/F

DO Acceptance criteria from Table ± 0.3 mg/L.

Rapid-Pulse Sensors: DO Gain Range 0.7 to 1.4; DO Charge Range 2

Optical: DO gain range 0.85 to 1.15 (Pro DSS 0.75 to 1.50); DO charge N/A. Steady-state & Galvanic Sensors: DO Gain & Cha

Spec Cond: FT 1200	Name	Date	Time CT-ET	Lot #	Expir. Date	Standard umhos/cm	Meter Reading umhos/cm	Pass / Fail
Calibr.	Alex Miranda	3/4/19	9:06	2811E59	11/20	1000	1000	P/F
ICV	"	"	9:08	280884	7/20	100	104.1	P/F
CCV	Kristene B.	3/4/19	16:07	2809D50	09/20	10,000	9701	P/F
CCV								P/F

Conductivity Acceptance criteria $\pm 5\%$

pH FDEP SOP FT 1100	Name	Date	Time CT-ET	Lot #	Expir. Date	pH Buffer SU	Temp °C	Meter reading SU	mV	Pass / Fail
Calibr.	Alex Miranda	3/4/19	9:10	186926	10/20	7.	26.0	7.00	-16.3	P/F
Calibr.	"	"	9:12	185909	09/20	4.	26.5	4.01	157.4	P/F
Calibr.	"	"	9:14	183381	05/20	10.	26.2	9.99	-194.7	P/F
ICV	"	"	9:16	183381	05/20	10	26.2	10.07	-194.1	P/F
CCV	Kristene B.	3/4/19	16:11	185909	09/20	4	26.5	4.02	158	P/F
CCV										P/F

pH Acceptance criteria ± 0.2 SU; mV pH 7 Range 0 ± 50 ;

mV pH 4 Range $+180 \pm 50$;

mV pH 10 Range -180 ± 50

If mV are recorded: slope from 7 to 10 178.4, slope from 4 to 7 174.2 (both must be between 165 and 180 mV)

Does meter have a depth sensor that will be used to measure total depth & sample depth? YES / NO / NA (not surf. water)

If YES, complete daily Calibr. & ICV below and list date of last quarterly depth verification: 3/7/19

If NO, what will be used? (circle one) Secchi Disk Line / Sonar Unique ID: _____; Date of last verification: 3/7/19

Depth Sensor (Daily Calibration & ICV)	Name	Date	Time CT-ET	Calibrated Value (0.00 or Offset), meters	ICV Value, meters	Pass / Fail	Lab Field
Pressure mode in air	Alex Miranda	3/4/19	9:20	0.00	0.0	P/F	P/F

Report two decimal places. Round numbers ≤ 4 down, ≥ 5 up. ICV acceptance criteria $\pm 5\%$ or ± 0.05 m, whichever is greater.

COMMENTS: