

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

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

Meter ID: Key

RQ: 2019

Project: MY BB

- 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 03/19/19

DO DEP SOP FT 1500	Name	Date	Time CI-ET	Temp °C	Bare meter mmHg	D.O. Chart mg/L	Meter D.O. mg/L	% DO	Probe Charge	Probe Gain	Pass / Fail	Lab / Field
Calibr.	S. COFAR	4/16/19	0930	24.35	760	8.36	8.39	100.2	51.2		P/F	L/F
ICV	"	"	0931	23.99	760	8.42	8.51	101.1	50.2		P/F	L/F
CCV	S. COFAR	4/16/19	1630	23.34	760	8.51	8.57	101.9	52.3		P/F	L/F
CCV											P/F	L/F

DO Acceptance criteria from Table ± 0.3 mg/L.
 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 & Charge N/A.

Spec. Cond. FT 1200	Name	Date	Time CI-ET	Lot #	Expir. Date	Standard μ mhos/cm	Meter Reading μ mhos/cm	Pass / Fail	Lab / Field
Calibr.	S. COFAR	4/16/19	0933	2901033	12/20	1000	1000	P/F	L/F
ICV	"	"	0935	281004	10/20	500	502	P/F	L/F
CCV	S. COFAR	4/16/19	1635	2809050	9/20	10,000	10,019	P/F	L/F
CCV								P/F	L/F

Conductivity Acceptance criteria $\pm 5\%$

pH DEP-SOP FT 1100	Name	Date	Time CI-ET	Lot #	Expir. Date	pH Buffer SU	Temp °C	Meter reading SU	mV	Pass / Fail	Lab / Field
Calibr.	S. COFAR	4/16/19	0937	187681	11/20	6.997	24.85	7.00	-2.8	P/F	L/F
Calibr.	"	"	0938	187128	11/20	4.00	24.51	4.00	463.9	P/F	L/F
Calibr.	"	"	0940	186877	10/20	10.03	24.53	10.00	76.7	P/F	L/F
ICV	"	"	0942	186877	10/20	10.03	24.45	9.99	-175.9	P/F	L/F
CCV	S. COFAR	4/16/19	1645	187128	11/20	4.00	25.14	4.09	155.0	P/F	L/F
CCV										P/F	L/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 _____, slope from 4 to 7 _____ (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 project)

If YES, complete daily Calibr. & ICV below and list date of last quarterly depth verification: 12/26/18
 If NO, what will be used? (circle one) Secchi Disk Line / Sonar Unique ID: DeepBlue Date of last verification: _____

Depth Sensor (Daily Calibration & ICV)	Name	Date	Time CI-ET	Calibrated Value (0.00 or Offset), meters	ICV Value, meters	Pass / Fail	Lab / Field
Pressure mode in air						P/F	L/F

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

COMMENTS: