

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

Meter ID:

2245

RQ:

2019-09-08-05

Project:

CM

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

- 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

DO FDEP SOP FT 1500	Name	Date	Time CI-ET	Temp °C	Baro meter mmHg	D.O. Chart mg/L	Meter D.O. mg/L	% DO	Probe Charge	Probe Gain	Pass / Fail	Lab / Field
Calibr.	Gregory Smith	4/23/19	1203	26.86	760	8.07	8.10	100.1	52.3		(P) F	(L) F
ICV		4/23/19	1206	25.99	760	8.11	8.14	100.2	52.3		(P) F	(L) F
CCV	S. COFORE	4/23/19	1625	23.99	760	8.42	8.42	100.0	52.3		(P) F	(L) F
CCV											P / F	L / F

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 (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 umhos/cm	Meter Reading umhos/cm	Pass / Fail	Lab / Field
Calibr.	Gregory Smith	4/23/19	1157	2901833	12/20	1600	1007	(P) F	(L) F
ICV		4/23/19	1201	2812A65	12/20	109	102	(P) F	(L) F
CCV	S. COFORE	4/23/19	1630	2811E66	11/20	50,000	49,575	(P) F	(L) F
CCV								P / F	L / F

Conductivity Acceptance criteria $\pm 5\%$

pH FDEP 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.	Gregory Smith	4/23/19	1130	18768	11/20	7.00	24.76	6.99	1.4	(P) F	(L) F
Calibr.	Gregory Smith	4/23/19	1115	183218	7/20	4.00	24.69	3.98	167.7	(P) F	(L) F
Calibr.	Gregory Smith	4/23/19	1140	186877	10/20	10.00	25.23	10.00	167.0	(P) F	(L) F
ICV	Gregory Smith	4/23/19	1208	183218	7/20	4.00	25.07	4.04	165.0	(P) F	(L) F
CCV	S. COFORE	4/23/19	1635	187681	11/20	7.00	24.74	7.01	-1.8	(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:

If NO, what will be used? (circle one) **Secchi Disk Line** / Sonar Unique ID: Deeper Blue Date of last verification: 12/20/18

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.

REMARKS: