

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: LCMS RQ- 2818-12-03-08/19 Project: CLT

- 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 10/11/19

DO DEP 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	Lab / Field
Calibr.	S. COFCU	12/11/18	675	25.67	760	8.26	8.26	100.0	53.3	-	P/F	L/F
ICV	"	"	979	24.27	760	8.28	8.27	99.7	53.3	-	P/F	L/F
CCV	BARRINGTON	12/11/18	1630	20.04	760	9.02	9.32	102.9	-	-	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 CT-ET	Lot #	Expir. Date	Standard umhos/cm	Meter Reading umhos/cm	Pass / Fail	Lab / Field
Calibr.	S. COFCU	12/11/18	971	2803F43	3/24	1000	1000	P/F	L/F
ICV	"	"	972	180522	06/19	1000	1004	P/F	L/F
CCV	BARRINGTON	12/11/18	1633	2711C27	11/19	50000	49960	P/F	L/F
CCV								P/F	L/F

Conductivity Acceptance criteria $\pm 5\%$

pH DEP SOP FT 1100	Name	Date	Time CT-ET	Lot #	Expir. Date	pH Buffer SU	Temp °C	Meter reading SU	mV	Pass / Fail	Lab / Field
Calibr.	S. COFCU	12/11/18	971	181455	03/20	6.99	25.10	7.00	-17.3	P/F	L/F
Calibr.	"	"	971	185488	8/24	4.00	25.14	4.00	139.9	P/F	L/F
Calibr.	"	"	971	185490	09/20	10.00	25.02	9.99	-17.2	P/F	L/F
ICV	"	"	972	185488	8/20	4.00	25.26	4.01	-17.1	P/F	L/F
CCV	BARRINGTON	12/11/18	1636	185490	9/20	10.00	24.61	9.91	-	P/F	L/F
CCV										P/F	L/F

pH Acceptance criteria ± 0.2 SU; mV pH 7 Range 0 $\pm$ 50; mV pH 4 Range +180 $\pm$ 50; mV pH 10 Range -180 $\pm$ 50;
 If mV are recorded: slope from 7 to 10 99.6.5, slope from 4 to 7 156.2 (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 project)

If YES, complete daily Calibr. & ICV below and list date of last quarterly depth verification: 9/20/18
 If NO, what will be used? (circle one) Secchi Disk Line / Sonar Unique ID: Reger Bar Date of last verification: 9/20/18

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						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: