

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: 2071 Keys

RQ: 2071-2-1-35

Project: SMP: LEE

- 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 12/26/18

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. CoFor	2/11/19	0720	22.82	760	7.86	7.90	102.0	51.2		P/F	L/F
ICV	"	"	0725	22.84	760	7.94	8.01	102.7	51.2		P/F	L/F
CCV	S. CoFor	2/11/19	1450	24.51	760	8.33	8.36	102.4	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 CT-ET	Lot #	Expir. Date	Standard μ mhos/cm	Meter Reading μ mhos/cm	Pass / Fail	Lab / Field
Calibr.	S. CoFor	2/11/19	0710	2810027	10/20	1000	1000	P/F	L/F
ICV	"	"	0719	2810041	10/20	500	501	P/F	L/F
CCV	S. CoFor	2/11/19	1455	2810027	10/20	1000	998	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. CoFor	2/11/19	0730	185364	8/20	6.994	25.67	7.00	-8.0	P/F	L/F
Calibr.	"	"	0732	1854080	8/20	4.011	25.70	4.00	158.0	P/F	L/F
Calibr.	"	"	0734	185490	8/20	10.403	25.87	10.01	-176.8	P/F	L/F
ICV	"	"	0735	185480	8/20	4.0	25.90	4.00	-8.1	P/F	L/F
CCV	S. CoFor	2/11/19	1458	185490	8/20	10.0	25.40	10.04	-186.4	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: DOCKE OVER Date of last verification: 12/26/18

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: