

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

Meter ID: 8445 Project: Shrill

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 10/11/18

DO	Temp	Baro	D.O.	D.O.	% DO	Probe	Probe	Pass	Lab
FT 1500	Temp	meter	mg/L	mg/L	mg/L	Charge	Gain	Fail	Field
Calibr.	12/17/18	710	55.07	76.0	2.25	100	52.3	(P) (F) (L) (F)	(P) (F) (L) (F)
ICV	12/17/18	720	54.57	76.0	8.36	100	51.3	(P) (F) (L) (F)	(P) (F) (L) (F)
CCV	12/17/18	1402	22.8	76.0	8.1	52.7	52.2	(P) (F) (L) (F)	(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 DO 0.75 to 1.50); DO charge N/A. Steady-state & galvanic sensors: DO gain & charge N/A.

Spec.	Cond.	Name	Date	Time	Lot #	Expir.	Standard	Meter	Pass	Lab
FT 1200	Cond.						umhos/cm	umhos/cm	Fail	Field
Calibr.	12/17/18	712	2205543	3/20	1000	1001			(P) (F) (L) (F)	(P) (F) (L) (F)
ICV	12/17/18	715	1205222	06/19	150	154			(P) (F) (L) (F)	(P) (F) (L) (F)
CCV	12/17/18	1155	1205222	06/19	150000	155000			(P) (F) (L) (F)	(P) (F) (L) (F)
CCV									P/F	L/F

Conductivity Acceptance criteria ± 5%

Conductivity Acceptance Criteria ± 0.5									
pH	Name	Date	Time	Lot #	Expir. Date	pH	Temp	Meter	MV
DEP SOP	FT 1100		CT-ET			Buffer	°C	reading	SU
Calibr.	Calby Sp. Co	12/17/18	725	181455	3/20	6.73	7.01	7.01	-33.4
Calibr.		12/17/18	730	181482	8/20	4.01	5.2	4.0	12.0
Calibr.		12/17/18	785	125490	09/20	10.01	11.1	18.1	18.1
ICV		12/17/18	710	181488	08/20	4.01	5.2	3.95	12.0
CCV		12/17/18	1108	181490	05/20	10.01	12.1	12.3	12.3
CCV									P/F
CCV									L/F

pH Acceptance criteria ± 0.2 SU; mV pH 7 Range 0 ± 50; mV pH 4 Range +180 ± 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:
 Secchi Disk Line / Sonar Unique ID: Deepse 111 Date of last verification: 1/30/18

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

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

COMMENTS: