

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: FRIDAY

RQ: 2021-11-29-28

Project: Brandy branches

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 8/16/21

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.	Monica Jaeger	11/30/21	658	23.4	740	8.5	8.51	99.9		1.047	P/F	L/F
ICV	"	"	659	23.5	740.5	8.5	8.51	100.1			P/F	L/F
CCV	"	"	1231	23.1	760	8.6	8.59	100.4			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 2200	Name	Date	Time CT:ET	Lot #	Expir. Date	Standard μ mhos/cm	Meter Reading μ mhos/cm	Pass / Fail	Lab / Field
Calibr.	Monica Jaeger	11/30/21	802	1108C98	8/23	2500	2485	P/F	L/F
ICV	"	"	804	2109K87	9/23	100	99.7	P/F	L/F
CCV	"	"	1232	2109K87	9/23	100	101.4	P/F	L/F
CCV								P/F	L/F

Conductivity Acceptance criteria $\pm 5\%$

pH DEP SOP FT 4400	Name	Date	Time CT:ET	Lot #	Expir. Date	pH Buffer SU	Temp °C	Meter reading SU	mV	Pass / Fail	Lab / Field
Calibr.	Monica Jaeger	11/30/21	809	2107C00	7/23	7.01	24.0	7.18	-9.6	P/F	L/F
Calibr.	"	"	811	2110D40	9/23	4.0	24.0	4.04	112.6	P/F	L/F
Calibr.	"	"	715	2109476	3/23	10.02	24.0	10.02	-185.5	P/F	L/F
ICV	"	"	716	2110D40	9/23	4.0	23.9	3.98		P/F	L/F
CCV	"	"	1233	2109476	3/23	10.02	23.9	10.04		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: 8/16/21

Depth Sensor (Depth calibration only)	Name	Date	Time CT:ET	Calibrated Value (0.00 or Observed, 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: