

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: 2022-08-01-46

Project: Arbuckle Creek

- 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 07/13/22

DO FDEP 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.	Thomas Baker	08/03/22	0651	24.8	758.0	8.3	98.7	99.7		1.0558	P/F	L/F
ICV	Thomas Baker	08/03/22	0652	24.8	758.0	8.3	8.28	99.8			P/F	L/F
CCV	Thomas Baker	08/03/22	1422	26.2	756.7	8.0	8.06	99.8			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.	Thomas Baker	08/03/22	0657	2205C35	4/24	2500	2500	P/F	L/F
ICV	Thomas Baker	08/03/22	0658	2204030	4/24	100	100.2	P/F	L/F
CCV	Thomas Baker	08/03/22	1424	2205C35	4/24	2500	2511	P/F	L/F
CCV								P/F	L/F

Conductivity Acceptance criteria $\pm 5\%$

pH FDEP 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.	Thomas Baker	08/03/22	0700	2202637	2/24	7.00	23.9	7.01		P/F	L/F
Calibr.			0702	2205624	3/24	4.00	23.3	4.06		P/F	L/F
Calibr.			0704	2202A65	7/23	10.03	23.1	10.03		P/F	L/F
ICV	Thomas Baker	08/03/22	0706	2203624	3/24	4.00	23.9	4.00		P/F	L/F
CCV	Thomas Baker	08/03/22	1420	2202A65	7/23	10.03	22.9	10.02		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: 02/24/22

If NO, what will be used? (circle one) Secchi Disk Line / Sonar Unique ID: 331215; Date of last verification: 02/24/22

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: