

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: SNB16

RQ: 2019-07-29-74

Project: SCF: Anbuckle

- 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 10/1/19

DO	Name	Date	Time	Temp	Baro	D.O.	Meter	% DO	Probe	Probe	Pass	Lab
DEP SOP			CT-ET	°C	meter	Chart	D.O.		Charge	Gain	Fail	Field
FT 1500					mmHg	mg/L	mg/L					
Calibr.	Gary Snork	10/14/19	0730	24.8	756.2	8.2	8.26	99.5		1.274	(P) F	(L) F
ICV	"	10/14/19	0732	24.8	756.2	8.2	8.26	99.5			(P) F	(L) F
CCV	Nicole Reistad	10/14/19	1521	25.4	755.3	8.1	8.19	99.9			(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 DSS 0.75 to 1.50); DO charge N/A. Steady-state & Galvanic Sensors: DO Gain & Charge N/A.

Spec.	Name	Date	Time	Lot #	Expir.	Standard	Meter	Pass	Lab
Cond.			CT-ET		Date	μ mhos/cm	Reading	Fail	Field
FT 1200							μ mhos/cm		
Calibr.	Gary Snork	10/14/19	0734	2909939	8/21	1000	1000	(P) F	(L) F
ICV	"	10/14/19	0738	2905F63	5/21	100	100.4	(P) F	(L) F
CCV	Nicole Reistad	10/14/19	1518	192113 NR	04/21 NR	100	98.4	(P) F	(L) F
CCV				2905F63	05/21			P / F	L / F

Conductivity Acceptance criteria $\pm 5\%$

pH	Name	Date	Time	Lot #	Expir.	pH	Temp	Meter	mV	Pass	Lab
DEP SOP			CT-ET		Date	Buffer	°C	reading		Fail	Field
FT 1100						SU		SU			
Calibr.	Gary Snork	10/14/19	0740	192113	4/21	7.00	25.4	6.99	-33.9	(P) F	(L) F
Calibr.	"	10/14/19	0743	193247	05/21	4.00	25.0	4.01	144.8	(P) F	(L) F
Calibr.	"	10/14/19	0748	192995	05/21	10.00	25.5	10.0	-213.4	(P) F	(L) F
ICV	"	10/14/19	0750	193247	05/21	4.00	25.7	4.0397		(P) F	(L) F
CCV	Nicole Reistad	10/14/19	1515	192113	04/21	7.00	24.2	7.07		P / F	L / F
CCV											

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 10 179.5, slope from 4 to 7 178.7 (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: 06/18/19

If NO, what will be used? (circle one) Secchi Disk Line / Sonar Unique ID: 321213; Date of last verification: 06/18/19

Depth Sensor	Name	Date	Time	Calibrated	ICV Value,	Pass	Lab
(Daily Calibration & ICV)			CT-ET	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 $\pm 5\%$ or ± 0.05 m, whichever is greater.

COMMENTS: