

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

EQ: 2021-11-15-47

Project: SMP: Desoto Crix

- 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 1400	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.	William Muller	11/18/21	0705	22.7	760.7	8.6	8.60	99.6		1.040	(P) F	(L) F
ICV	"	11/18/21	0707	22.7	760.6	8.6	8.60	99.6			(P) F	(L) F
CCV	William Muller	11/18/21	1039	18.9	761.5	8.2	8.31	101.9			(P) F	(L) F
CCV				25.7							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.	William Muller	11/18/21	0708	1009989	8/22	2500	2500	(P) F	(L) F
ICV	"	11/18/21	0712	2110 D62	9/23	100	99.5	(P) F	(L) F
CCV	William Muller	11/18/21	1042	1009989	8/22	2500	2483	(P) F	(L) F
CCV								P / F	L / F

Conductivity Acceptance criteria $\pm 5\%$

pH DEP SOP FT 1400	Name	Date	Time CT-ET	Lot #	Expir. Date	pH Buffer SU	Temp °C	Meter reading SU	mV	Pass / Fail	Lab / Field
Calibr.	William Muller	11/18/21	0715	2107C00	7/23	7.00	24.2	7.00		(P) F	(L) F
Calibr.	"	11/18/21	0717	2110D40	9/23	4.01	24.2	4.01		(P) F	(L) F
Calibr.	"	11/18/21	0720	1106E21	3/23	10.01	24.6	10.01		(P) F	(L) F
ICV	"	11/18/21	0723	2110D40	9/23	4.01	24.2	4.01		(P) F	(L) F
CCV	William Muller	11/18/21	1044	1106E21	12/22	10.02	24.0	10.05		(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 (Date Calibration)	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: