

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: 9-SNEK

RQ: 0521-49

Project: SMP: Tri-county

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 05/18/21

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.	Thomas Baker	6/2/21	0745	23.1	758	8.6	8.56	99.8		1.284	P/F	L/F
ICV	Thomas Baker	06/2/21	0748	23.2	758	8.6	8.54	99.9			P/F	L/F
CCV	Thomas Baker	06/2/21	1435	26.3	757	8.12	7.96	98.6			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	6/2/21	0749	1009989	8/22	2500	2501	P/F	L/F
ICV	" "	" "	0753	2103E96	3/23	100	98.6	P/F	L/F
CCV	Thomas Baker	6/2/21	1438	2012077	12/22	50,000	48,557	P/F	L/F
CCV								P/F	L/F

Conductivity Acceptance criteria $\pm 5\%$

pH DEP 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	06/2/21	8:00	2101F99	01/23	7.	24.2	7.03	-35.4	P/F	L/F
Calibr.	Thomas Baker	06/2/21	8:02	4102K63	02/23	4.	24.2	3.97	144.3	P/F	L/F
Calibr.	Thomas Baker	6/2/21	0804	1102821	7/22	10.	24.2	9.99	-209.2	P/F	L/F
ICV	Thomas Baker	6/2/21	0808	2101F99	01/23	7	24.0	7.02		P/F	L/F
CCV	Thomas Baker	6/2/21	1440	2101F99	01/23	7	23.6	7.02		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 $+150 \pm 50$; 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: 33123; Date of last verification: 02/11/21

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: