

CALIBRATION AND VERIFICATION LOG (FDEP SOP FT 1000-FT 1500, FD 1000-FD 4000)

Boldly "X" this box if there is qualified data on this page.

Meter ID:

KCYS

RQ:

Project:

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.

Circle/Fill In: Lab Calibration or Calibration/Verification on Site

Temperature (Quarterly) FT 1400

Date of Last Temperature Verification

12/28/17

DO DEP SOP FT 1500	Name	Date	Time CT-ET	Temp	D.O. Chart mg/L	Meter D.O. mg/L	% DO	Probe Charge	Probe Gain	Pass / Fail	Lab / Field
Calibr.	Gary Smack	3/19/18	732	25.1	8.24	8.24	100	48.2	0.971	P/F	L/F
ICV	11	3/19/18	738	24.5	8.34	8.34	100	48.2	—	P/F	L/F
CCV	Nicole Reistad	03/19/18	1642	25.4	8.204	8.12	99.0	48.2	0.971	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; DO charge N/A.

Rapid-Pulse Sensors: DO Gain Range 0.7 to 1.4; DO Charge Range 25-75.

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.	Gary Smack	3/19/18	739	171211D	12/18	500	500	P/F	L/F
ICV	11	3/19/18	741	171211B	12/18	100	99	P/F	L/F
CCV	Nicole Reistad	03/19/18	1648	171211B	12/18	100	97.101	P/F	L/F
CCV							NR	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	Meter reading SU	mV	Pass / Fail	Lab / Field
Calibr.	Gary Smack	3/19/18	748	176157	8/19	7.0	7.0	-18.9	P/F	L/F
Calibr.	Gary Smack	3/19/18	751	177238	10/19	4.0	4.0	156.9	P/F	L/F
Calibr.	Gary Smack	4/19/18	755	176507	9/19	10.0	10.0	-19.0	P/F	L/F
ICV	Gary Smack	3/19/18	805	177238	10/19	4.0	3.9	152.4	P/F	L/F
CCV	Nicole Reistad	03/19/18	1649	176507	09/19	10.0	10.0	-198.0	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 10 171.1, slope from 4 to 7 175.8 (both must be between 165 and 180 mV)

Is meter equipped with depth sensor? Yes / No If yes, list date of last quarterly depth verification

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: