

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: The One

RQ: 2023-10-09-39

Project: 8251WA2310

- Notes: (1) Always wait for meter to stabilize before recording any readings. SMP: 50 CO 04 NO
 (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 7/17/23

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.	Monica Jaeger	10/18/23	652	21.8	763.4	8.81	8.81	99.7	—	1.039	P/F	L/F
ICV	11	11	658	22.1	763.4	8.74	8.79	100.7	—	—	P/F	L/F
CCV	Samantha Gelineau	10/18/23	1537	23.8	761.9	8.47	8.49	100.7	—	—	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.	Monica Jaeger	10/18/23	701	23027A	2/24	50000	50000	P/F	L/F
ICV	11	11	703	2207495	7/24	100	103.9	P/F	L/F
CCV	Samantha Gelineau	10/18/23	1539	23027A	2/24	50,000	49560	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.	Monica Jaeger	10/18/23	705	230607B	12/24	7.01	21.9	7.01	9.1	P/F	L/F
Calibr.	11	11	707	2305126	5/25	4.00	21.8	4.00	—	P/F	L/F
Calibr.	11	11	709	230607C	12/24	10.04	21.4	10.04	—	P/F	L/F
ICV	11	11	711	2305126	5/25	4.00	21.7	3.99	—	P/F	L/F
CCV	Samantha Gelineau	10/18/23	1541	230607C	12/24	10.03	22.7	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: 33128A Date of last verification: 8/14/23

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: