

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: 2023-10-30-07

Project: 25UA2310

- Notes: (1) Always wait for meter to stabilize before recording any readings. 2023-11-27-22 SNP: 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 11/02/23

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	11/16/23	640	17.2	758.3	9.60	9.61	99.8	—	1.033	P/F	L/F
ICV	"	"	643	17.2	758.4	9.60	9.62	100.0	—	—	P/F	L/F
CCV	Monica Jaeger	11/16/23	500	21.3	756	8.99	8.92	99.5	—	—	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 hos/cm	Meter Reading μ hos/cm	Pass / Fail	Lab / Field
Calibr.	Monica Jaeger	11/16/23	645	230217A	2/24	50000	50000	P/F	L/F
ICV	"	"	647	22079A5	7/24	100	104.1	P/F	L/F
CCV	Monica Jaeger	11/16/23	502	230217A	2/24	50000	49880	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	11/16/23	651	230607B	12/24	7.03	17.7	7.03	—	P/F	L/F
Calibr.	"	"	653	2305L26	5/25	4.00	18.6	4.00	—	P/F	L/F
Calibr.	"	"	655	1308186	1/25	10.09	17.9	10.09	—	P/F	L/F
ICV	"	"	657	2305L26	5/25	4.00	18.3	4.03	—	P/F	L/F
CCV	Monica Jaeger	11/16/23	504	1308186	1/25	10.10	17.4	10.10	—	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: Slipped Disk : Date of last verification: 8/14/23