

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: 1086

RQ: 2024-04-22-59

Project: Bloom resp.

- 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 6/13/24

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	6/26/24	700	22.8	760.3	8.6	8.62	100.0	—	1.054	(P) F	(L) F
ICV	"	"	702	22.8	760.3	8.6	8.62	100.3	—	—	(P) F	(L) F
CCV	Monica Jaeger	6/26/24	725	21.3	760.8	7.9	8.06	101.9	—	—	(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 µmhos/cm	Meter Reading µmhos/cm	Pass Fail	Lab Field
Calibr.	Monica Jaeger	6/26/24	705	230607A	6/24	10000	10000	(P) F	(L) F
ICV	"	"	707	2306021	6/25	100	103.1	(P) F	(L) F
CCV	Monica Jaeger	6/26/24	1253	230607A	6/24	10000	10014	(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	6/26/24	711	2305H95	4/25	7.01	22.7	7.01	119.4	(P) F	(L) F
Calibr.	"	"	713	1311E29	10/25	4.00	22.3	4.00	51.0	(P) F	(L) F
Calibr.	"	"	716	1309L49	3/25	10.03	22.0	10.03	274.5	(P) F	(L) F
ICV	"	"	720	1311E29	10/25	4.00	22.2	4.08	—	(P) F	(L) F
CCV	Monica Jaeger	6/26/24	1254	1309L49	3/25	10.03	23.5	10.14	—	(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 10 155.1, slope from 4 to 7 168.4 (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: 6/13/24

If NO, what will be used? (circle one) Secchi Disk Line / Sonar Unique ID: Deep Blue; Date of last verification: 6/13/24

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: