

CALIBRATION AND VERIFICATION LOG (FDEP SOP FT 1000-FT 1500, FD 1000-FD 4000)**Meter ID:** FRIDAY**RQ-** 2022-09-19-68**Projects:** 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: 09/20/22

Dissolved Oxygen DEP SOP FT 1500	Name	Date	Time ETZ	Temp °C	Baro- Meter mmHg	D.O. Chart mg/L	Meter D.O. mg/L	% DO	Probe Charge	Probe Gain	Pass / Fail	Lab / Field
IC	Gary Snorek	09/20/2022	10:18	22.2	755.8	8.66	8.67	99.4		1.05	PASS	Lab
ICV	Gary Snorek	09/20/2022	10:20	22.2	755.8	8.66	8.71	100.0		1.05	PASS	Lab
CCV	Gary Snorek	09/20/2022	15:09	24.5	754.0	8.27	8.35	100.1			PASS	Lab

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.

Specific Conductivity DEP SOP FT 1200	Name	Date	Time ETZ	Lot #	Exp. Date	Standard umhos/cm	Meter Reading umhos/cm	Pass / Fail	Lab / Field
IC	Gary Snorek	09/20/2022	10:23	2208A58	07/24	2500	2500	PASS	Lab
ICV	Gary Snorek	09/20/2022	10:29	2112E28	12/23	100	101.2	PASS	Lab
CCV	Gary Snorek	09/20/2022	15:14	2208A58	07/24	2500	2511	PASS	Lab

Conductivity Acceptance criteria $\pm 5\%$

pH DEP SOP FT 1100	Name	Date	Time ETZ	Lot #	Exp. Date	pH Buffer SU	Temp °C	Meter Reading SU	mV	Pass / Fail	Lab / Field
IC	Gary Snorek	09/20/2022	10:34	2104j75	04/23	7.00	20.7	7.02	-35.8	PASS	Lab
IC	Gary Snorek	09/20/2022	10:37	2206A61	5/25	4.00	20.6	4.00	144.9	PASS	Lab
IC	Gary Snorek	09/20/2022	10:38	2204H72	10/23	10.0	19.9	10.0	-199.8	PASS	Lab
ICV	Gary Snorek	09/20/2022	10:42	2206A61	05/24	3.87	20.3	3.86		PASS	Lab
CCV	Gary Snorek	09/20/2022	15:15	2204H72	10/23	10.0	20.3	10.02		PASS	Lab

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 10 164, slope from 4 to 7 180.7 (both must be between 165 and 180 mV)

Does meter have a depth sensor that will be used to measure total depth & sample depth? NO

If **YES**, complete daily Calibration & ICV below and list date of last quarterly depth verification:

If **NO**, what will be used? Secchi Unique ID: 3312B Date of last verification: 08/29/22

Depth Sensor (Daily Calibration & ICV)	Name	Date	Time ETZ	Calibrated Value (0.00 or Offset), meters	ICV Value, meters	Pass / Fail	Lab / Field

Report two decimal places. Round numbers ≤ 4 down, ≥ 5 up. ICV acceptance criteria $\pm 5\%$ or $\pm 0.05m$, whichever is greater.

COMMENTS: