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- 2024-06-03-13 Project: SCCF-Algal Bloom Dynamics

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	7/18/24	705	22.9	761.9	8.7	8.61	100.3	—	1.062	(P) F	(L) F
ICV	"	"	708	22.9	762.0	8.7	8.62	100.4	—	—	(P) F	(L) F
CCV	Monica Jaeger	7/18/24	1524	26.4	762.0	8.1	8.21	102.1	—	—	(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	7/18/24	710	2311L37	11/25	50000	50000	(P) F	(L) F
ICV	"	"	713	2306221	6/25	100	102.6	(P) F	(L) F
CCV	Monica Jaeger	7/18/24	1527	2302F67	2/25	2500	2485	(P) F	(L) F
CCV								P / F	L / F

Conductivity Acceptance criteria ± 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	7/18/24	716	2305H95	4/25	7.01	22.2	7.01	-60.0	(P) F	(L) F
Calibr.	"	"	718	1311E29	10/25	4.00	22.4	4.00	120.3	(P) F	(L) F
Calibr.	"	"	720	1309L49	3/25	10.03	22.0	10.03	-229.2	(P) F	(L) F
ICV	"	"	728	2305H95	4/25	4.00	22.3	4.00	—	(P) F	(L) F
CCV	Monica Jaeger	7/18/24	1529	1309L49	3/25	10.03	23.5	10.00	—	(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 ± 50; mV pH 10 Range -180 ± 50;
If mV are recorded: slope from 7 to 10 169.2, slope from 4 to 7 180.3 (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: Slippery Disk ; 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 ± 5 % or ± 0.05m, whichever is greater.

COMMENTS: