

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: SIVEK

RQ: 2021-05-31-57

Project: Algal Bloom Response

- 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 05/18/21

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.	Thomas Baker	06/10/21	0652	24.4	759	8.3	8.43	100.9		1.28	0/F	0/F
ICV	Thomas Baker	06/10/21	0653	24.3	759	8.3	8.37	99.9			0/F	0/F
CCV	Kirby Mille	6/10/21	1200	26.0	759.3	8.4	8.04	98.4			0/F	0/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.	Thomas Baker	06/10/21	0654	1002A78	2/22	10000	10000	0/F	0/F
ICV	Thomas Baker	06/10/21	0656	2012A70	4/22	500	491.5	0/F	0/F
CCV	Kirby Mille	6/10/21	1205	2103E76	3/23	100	99.7	0/F	0/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.	Thomas Baker	06/10/21	0701	2101F99	01/23	7.	24.2	7.08	-900	0/F	0/F
Calibr.	Thomas Baker	06/10/21	0703	4102K63	02/23	4.	24.0	4.00	1400	0/F	0/F
Calibr.	Thomas Baker	06/10/21	0712	1102821	07/22	10.	24.4	12.00	-210.9	P/F	L/F
ICV	Thomas Baker	06/10/21	0711	2101F99	01/23	7	24.1	7.05		0/F	0/F
CCV	Kirby Mille	6/10/21	1210	1102821	7/22	10.0	23.3	10.08		0/F	0/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: 02/11/21

If NO, what will be used? (circle one) Secchi Disk Line / Sonar Unique ID: 33123 Date of last verification: 02/11/21

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	Thomas Baker	06/10/21	0711	0.000	0.021	0/F	0/F

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

COMMENTS: