

CALIBRATION AND VERIFICATION LOG (FDEP SOP FT 1000-FT 1500, FD 1000-FD 4000)

Boldly "X" this box if there is qualified data on this page.

Meter ID:

457 TR

RQ:

2018-04-30-84
2018-04-30-38

Project:

Algae Bloom

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.

Circle/Fill In: Lab Calibration or Calibration/Verification on Site

Temperature (Quarterly) FT 1400

Date of Last Temperature Verification

04-10-18

DO DEP SOP FT 1500	Name	Date	Time CT-ET	Temp	D.O. Chart mg/L	Meter D.O. mg/L	% DO	Probe Charge	Probe Gain	Pass / Fail	Lab / Field
Calibr.	PO Connor	05-24-18	0705	23.9	8.43	8.44	100.0	—	1.03387	(P) F	(L) F
ICV	✓	✓	0710	23.9	8.43	8.43	100.0	—	1.03387	(P) F	(L) F
CCV	B-D-	✓	1504	23.6	8.48	8.52	100.5	—	1.033	(P) F	(L) F
CCV										P / F	L / F

DO Acceptance criteria from Table ± 0.3 mg/L.

Optical: DO gain range 0.85 to 1.15; DO charge N/A.

Rapid-Pulse Sensors: DO Gain Range 0.7 to 1.4; DO Charge Range 25-75.

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.	PO Connor	05-24-18	0712	180321B	04-2019	1000	1000	(P) F	L / F
ICV	✓	✓	0715	171129B	12-2018	100	103	(P) F	(L) F
CCV	B-D-	✓	1506	180321B	4/19	1000	990	(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	Meter reading SU	mV	Pass / Fail	Lab / Field
Calibr.	PO Connor	05-24-18	0718	2711081	11-2019	7.0	7.00	-11.1	(P) F	(L) F
Calibr.	✓	✓	0722	2711517	10-2019	4.0	4.00	159.2	(P) F	(L) F
Calibr.	✓	✓	0725	2711527	04-2019	10.0	10.00	-180.0	(P) F	(L) F
ICV	✓	✓	0730	2711081	11-2019	7.0	7.02	-12.2	(P) F	(L) F
CCV	B-D-	✓	1510	2711517	10/19	4.0	4.05	154.8	(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)

Is meter equipped with depth sensor? (Yes) / No If yes, list date of last quarterly depth verification 04-10-18.

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:

QC/Scanned BP 6/4/18 JP 6/11/18