

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: MV1307 BWS

RQ: 2021-07-13-10

Project: ZSSC2109 + SMP

- 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 8/16/24

DO FDEP 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.	BARRINGTON	9/29/21	0810	23.1	741.0	8.6	8.59	100.1	-	1.05	P/F	L/F
ICV	↓	↓	0812	23.1	741.0	8.6	8.60	100.2	-	-	P/F	L/F
CCV	Carry Over	9/29/21	1025	22.7	739.1	8.7	8.74	101.3	-	-	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 DO 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.	BARRINGTON	9/29/21	0814	20100723	8/22	2500	2500	P/F	L/F
ICV	↓	↓	0816	4108672	01/23	100	101.5	P/F	L/F
CCV	Carry Over	9/29/21	1028	4108672	07/23	100	102.9	P/F	L/F
CCV								P/F	L/F

Conductivity Acceptance criteria $\pm 5\%$

pH FDEP 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.	BARRINGTON	9/29/21	0818	2101575	4/23	7.01	21.3	7.02	-	P/F	L/F
Calibr.	↓	↓	0820	2101575	7/23	4.01	21.2	4.00	-	P/F	L/F
Calibr.	↓	↓	0822	1106021	12/22	10.01	21.6	10.04	-	P/F	L/F
ICV	↓	↓	0824	2101575	7/23	4.01	21.2	3.99	-	P/F	L/F
CCV	Carry Over	9/29/21	1630	1106021	12/22	10.04	21.9	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 $\pm 180 \pm 50$; mV pH 10 Range -180 ± 50 ;

If mV are recorded: slope from 7 to 10 165, slope from 4 to 7 180 (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: 8/16/24

If NO, what will be used? (circle one) Secchi Disk / Line / Sonar Unique ID: 3312B; Date of last verification: 8/16/24

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: