

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: **CHEW V**

RQ: **2018-12-03-67**

Project: **TMDL/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 _____

DO	Name	Date	Time	Temp	Baro	D.O.	Meter	% DO	Probe	Probe	Pass	Lab
DEP SOP FT 1500			CT-ET	°C	meter mmHg	Chart mg/L	D.O. mg/L		Charge	Gain	I Fail	I Field
Calibr.	M. BEARDEN	12/14	0649	24.2	760.7	8.387	8.39	100.1		0.99	P/F	L/F
ICV	1	1	0651	24.2	761.0	8.387	8.39	100.1			P/F	L/F
CCV	BP in water	12/15	1658	22.7	762.1	8.62	8.62	99.9			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	Lot #	Expir. Date	Standard μ mhos/cm	Meter Reading μ mhos/cm	Pass I Fail	Lab I Field
Calibr.	MB	12/14	0654	2807007	7/20	1000	1000	P/F	L/F
ICV	1	1	0705	2809463	9/20	100	99.9	P/F	L/F
CCV	BP	12/12	1652	2807057	7/20	500	509	P/F	L/F
CCV								P/F	L/F

Conductivity Acceptance criteria $\pm 5\%$

pH DEP SOP FT 1100	Name	Date	Time	Lot #	Expir. Date	pH Buffer SU	Temp °C	Meter reading SU	mV	Pass I Fail	Lab I Field
Calibr.	MB	12/14	0656	183273	5/20	7.00	25.3	7.00	-34.7	P/F	L/F
Calibr.	1	1	0658	183218	7/20	4.00	25.2	4.00	149.0	P/F	L/F
Calibr.	1	1	0702	178540	12/19	10.00	25.3	10.00	-20.7	P/F	L/F
ICV	1	1	0703	178540	12/19	10.00	25.3	9.97		P/F	L/F
CCV	BP	12/14	1654	183273	5/20	7.0	24.0	7.17	-40	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)

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: _____; Date of last verification: _____

Depth Sensor (Daily Calibration & ICV)	Name	Date	Time	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: