

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: 6920-8

RQ: 2019-06-17-11

Project: Wm. D.O. monitoring

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 05/14/2019

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.	H-Sprinkle	06/12	1315	23.81	760.0	8.43	8.43	100.0	—	1000	P/F	L/F
ICV	1	1	1319	23.79	760.0	8.4	8.44	100.0	—	—	P/F	L/F
CCV	H-Sprinkle	06/19	1335	24.22	760.0	8.4	8.42	99.8	—	—	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 μ mhos/cm	Meter Reading μ mhos/cm	Pass / Fail	Lab / Field
Calibr.	H-Sprinkle	06/12	1324	2709B98	09/2019	50000	50000	P/F	L/F
ICV	1	1	1327	2806844	05/2020	20000	19889	P/F	L/F
CCV	H-Sprinkle	06/19	1342	280641	05/20	50000	49940	P/F	L/F
CCV				2709B98	09/2019			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.	A-Sprinkle	06/12	1330	188510	01/21	7.00	23.39	7.00	-57.9	P/F	L/F
Calibr.			1335	187188	11/20	4.00	23.30	4.00	117.8	P/F	L/F
Calibr.			1337	185440	09/20	10.00	23.30	10.00	-236.4	P/F	L/F
ICV	1	1	1340	185440	09/20	10.00	23.39	10.01	-237.6	P/F	L/F
CCV	H-Sprinkle	06/19	1349	188510	01/21	7.00	23.89	6.98	-57.3	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 10 174.5, slope from 4 to 7 175.7 (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: see ini #2

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 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: