

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

Meter ID: 154177

RQ: 2020-08/0-38

Project: 2020 S/M/P

Boxed "x" this box if there are qualified data on this page.

- 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 07/20

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.	Ben Harden	08/17/20	0753	22.8	755.4	8.6	8.57	99.5	/	1.037	(P) F	(L) F
CV	"	"	0810	23.1	755.6	8.5	8.68	101.3	/		(P) F	(L) F
CV	"	"	1415	23.5	755.7	8.4	8.62	101.3	/		(P) F	(L) F
CV											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 hos/cm	Meter Reading μ hos/cm	Pass / Fail	Lab / Field
Calibr.	Ben Harden	08/17/20	0755	200407D	04/21	1000	1000	(P) F	(L) F
ICV	"	"	0758	2908147	07/21	100.0	99.2	(P) F	(L) F
CCV	"	"	1410	191017B	10/20	50,000	50,374	(P) F	(L) F
CCV								P / F	L / F

Conductivity Acceptance criteria $\pm 5\%$

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.	Ben Harden	08/17/20	0801	200407C	10/21	7.00	22.5	7.01	-90.5	(P) F	(L) F
Calibr.	"	"	0804	200224B	09/21	4.01	22.7	4.00	75.0	(P) F	(L) F
Calibr.	"	"	0807	190405D	10/20	10.03	23.0	10.03	-249.3	(P) F	(L) F
Calibr.	"	"	0808	"	"	10.03	22.7	10.00	-249.2	(P) F	(L) F
Calibr.	"	"	1415	200221B	09/21	4.01	22.6	4.01	64.3	(P) F	(L) F
Calibr.										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 10 158.8, slope from 4 to 7 185.5 (both must be between 165 and 180 mV)

meter have a depth sensor that will be used to measure total depth & sample depth? YES / NO / NA (not surf. water project)

complete daily Calibr. & ICV below and list date of last quarterly depth verification: 07/20

what will be used? (circle one) Secchi Disk Line / Sonar Unique ID: _____; Date of last verification: _____

Depth Sensor	Name	Date	Time CT-ET	Calibrated Value (0.00 or Offset), meters	ICV Value, meters	Pass / Fail	Lab / Field
Daily Calibration & ICV	Ben Harden	08/17/20	0748	0.000	0.000	(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.

REMARKS: