

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: Friday

RQ: 2021-05-3147

Project: Sm 8

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 5/18/21

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.	Kirby Mille	6/1/21	7:30	23.1	760.2	8.6	8.56	100.3		1.047	P / F	D / F
ICV	"	"	7:34	23.0	760.3	8.6	8.59	100.5			P / F	D / F
CCV	Thomas Baker	6/1/21	14:39	24.6	759.2	8.3	8.27	99.5			P / F	D / F
CCV					759						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 umhos/cm	Meter Reading umhos/cm	Pass / Fail	Lab / Field
Calibr.	Kirby Mille	6/1/21	7:35	1002A78	2/22	10000	9695	P / F	D / F
ICV	Thomas Baker	6/1/21	7:43	2012077	12/22	50,000	46902	P / F	D / F
CCV	Thomas Baker	6/1/21	14:50	1002A78	2/22	10,000	9727	P / F	D / 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	Temp °C	Meter reading mV	Pass / Fail	Lab / Field	
Calibr.	Kirby Mille	6/1/21	7:45	2101F99	01/23	7.0	25.3	7.10	58.9	P / F	D / F
Calibr.	"	"	7:51	4102K63	02/23	4.0	25.2	4.10	114.1	P / F	D / F
Calibr.	"	"	7:54	1102821	7/22	10.0	25.2	10.05	-229.2	P / F	L / F
ICV	"	"	7:56	2101F99	1/23	7.0	24.7	7.06		P / F	D / F
CCV	Thomas Baker	6/1/21	14:56	1102821	7/22	10.0	24.1	10.08		P / F	D / 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 10 170.3, slope from 4 to 7 173.0 (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: Depth Blue Date of last verification: 3/11/21

Depth Sensor (Daily Calibration & ICV)	Name	Date	Time CT-ET	Calibrated Value (0.00 or Offset), meters	CV 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: