

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: Sue k

RQ: 2021-03-15-55

Project: 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 2/11/21

DO DEP SOP FT 1500	Name	Date	Time G-E	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, No 1c	3/16/21	725	23.2	759.5	8.5	8.54	100.5		1.286	P/F	L/F
ICV	"	"	728	23.3	759.5	8.55	8.46	99.3			P/F	L/F
CCV	Kirby, No 1c	3/16/21	725	25.8	758.0	8.1	8.10	99.4			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 G-E	Lot #	Expir. Date	Standard μ mhos/cm	Meter Reading μ mhos/cm	Pass / Fail	Lab / Field
Calibr.	Kirby, No 1c	3/16/21	729	1002A78	2/22	10,000	10047	P/F	L/F
ICV	"	"	737	100989	8/22	2500	2506	P/F	L/F
CCV	Kirby, No 1c	3/16/21	726	2012077	12/22	50,000	48875	P/F	L/F
CCV	"	"	730	2012621	12/22	100	105.2	P/F	L/F

Conductivity Acceptance criteria $\pm 5\%$

pH DEP SOP FT 1000	Name	Date	Time G-E	Lot #	Expir. Date	pH Buffer SU	Temp °C	Meter reading SU	mV	Pass / Fail	Lab / Field
Calibr.	Kirby, No 1c	3/16/21	738	2012982	11/22	7.	24.4	7.06	-30.6	P/F	L/F
Calibr.	"	"	742	2011891	10/22	4.	24.1	3.96	151.5	P/F	L/F
Calibr.	"	"	744	2010E79	4/22	10.	24.0	9.97	-201.6	P/F	L/F
ICV	"	"	746	2012982	11/22	7.0	24.1	7.02		P/F	L/F
CCV	Kirby, No 1c	3/16/21	732	2011841	10/22	4.0	23.6	4.06		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: 3312B Date of last verification: 2/11/21

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