

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: K095

RQ: 2019-03-18-27

Project: SLMP

- 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 12/26/18

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.	Gary Sharck	3/18/19	0734	25.10	760	8.25	8.27	100.0	38.0	1.065	P/F	D/F
ICV		3/18/19	0736	25.80	760	8.45	8.45	99.9	59.4		P/F	D/F
CCV		3/18/19	1655	26.75	760	8.01	7.98	99.3	56.3		P/F	D/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.	Gary Sharck	3/18/19	0726	2308E90	08/20	1000	1000	P/F	D/F
ICV	Gary Sharck	3/18/19	0728	2812A65	12/20	100	103	P/F	D/F
CCV		3/18/19	1645	2809S50	9/20	10,000	10080	P/F	D/F
CCV								P/F	L/F

Conductivity Acceptance criteria $\pm 5\%$

pH 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.	Gary Sharck	3/18/19	0802	18768	11/20	6.99	25.45	7.00	-13.7	P/F	D/F
Calibr.	Gary Sharck	3/18/19	0804	187827	11/20	4.01	25.73	7.02	154.7	P/F	D/F
Calibr.	Gary Sharck	3/18/19	0806	186877	10/20	10.01	25.67	10.00	-182.6	P/F	D/F
ICV	Gary Sharck	3/18/19	0800	187827	11/20	4.01	25.73	4.00	156.9	P/F	D/F
CCV	Gary Sharck	3/18/19	1650	186877	10/20	10.01	25.16	9.93	-179.2	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 _____, 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: 03/6/19

If NO, what will be used? (circle one) Secchi Disk Line / Sonar Unique ID: Deeper Blue 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: