

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: Hodor

RQ: 2019-04-15-61

Project: SMP-SCI Run

- 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: 01/30/19

DO	Name	Date	Time	Temp	DO	DO	DO	DO	DO	DO	DO	DO
DO	Name	Date	Time	Temp	DO	DO	DO	DO	DO	DO	DO	DO
Calibr.	Kristene B.	4/17/19	8:25	23.2	75.8	8.54	8.51	99.8	/	1.037	P/F	L/F
ICV	"	"	"	8:26	23.1	75.8	8.56	8.53	99.5	/	1.037	P/F
CCV	Kristene B.	4/17/19	16:20	25.9	75.7	8.12	8.07	99.5	/	1.037	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

DO	Name	Date	Time	Temp	DO	DO	DO	DO	DO	DO	DO	DO
DO	Name	Date	Time	Temp	DO	DO	DO	DO	DO	DO	DO	DO
Calibr.	Kristene B.	4/17/19	8:28	29.0	83.3	12/20	1000	1000	(P/F)	(L/F)		
ICV	"	"	"	8:30	28.2	83.3	12/20	100	102	(P/F)	(L/F)	
CCV	Kristene B.	"	"	16:22	"	"	"	1000	1001	(P/F)	(L/F)	
CCV										P/F	L/F	

Conductivity Acceptance criteria $\pm 5\%$

DO	Name	Date	Time	Temp	DO	DO	DO	DO	DO	DO	DO	DO
DO	Name	Date	Time	Temp	DO	DO	DO	DO	DO	DO	DO	DO
Calibr.	Kristene B.	4/17/19	8:32	18.6	92.6	10/20	7.01	22.0	7.01	-33	(P/F)	(L/F)
Calibr.	"	"	"	8:34	18.7	92.6	11/20	4.00	22.3	4.00	141.7	(P/F)
Calibr.	"	"	"	8:36	18.7	92.6	12/20	10.03	22.4	10.03	-255	(P/F)
ICV	"	"	"	8:40	18.7	92.6	12/20	10	22.4	10.04	-214	(P/F)
CCV	Kristene B.	4/17/19	16:24	"	"	"	4.00	22.3	4.04	141.6	(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 10 182, slope from 4 to 7 175 (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: 01/30/19

If NO, what will be used? (circle one) Secchi Disk Line / Sonar Unique ID: _____ Date of last verification: _____

Depth Sensor	Name	Date	Time	Calibrated	ICV Value	Pass /	Lab /
(Daily Calibration & ICV)			GT-ET	Value (0.00 or Offset), meters	meters	Fail	Field
Pressure mode in air	Kristene T.	4/17/19	8:42	0.00	0.00	(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: