

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

Boldly "X" this box if there is qualified data on this page.

Meter ID:

BUST-9

RQ:

2018-01-29-09
129-69

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.

Circle/Fill In: Lab Calibration or Calibration/Verification on Site

Temperature (Quarterly) FT 1400

Date of Last Temperature Verification

12/29

DO DEP SOP FT 1500	Name	Date	Time CT-ET	Temp	D.O. Chart mg/L	Meter D.O. mg/L	% DO	Probe Charge	Probe Gain	Pass / Fail	Lab / Field
Calibr.	H-Sprinkle	1/29	0652	21.61	8.812	8.81	100.0	64.5	0.4702	(P) F	(L) F
ICV			0654	21.63	8.812	8.83	100.4	64.5	—	(B) F	(L) F
CCV			1229	20.83	8.950	8.95	100.3	62.5	—	(P) F	(L) F
CCV						8.96				P / F	L / F

DO Acceptance criteria from Table ± 0.3 mg/L.

Optical: DO gain range 0.85 to 1.15; DO charge N/A.

Rapid-Pulse Sensors: DO Gain Range 0.7 to 1.4; DO Charge Range 25-75.

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.	H-Sprinkle	1/29	0708	2703D66	03/19	1000	1000	(P) F	(L) F
ICV			0710	2707D83	07/19	100	100	(P) F	(L) F
CCV			1232	2705E06	05/19	500	500	(P) F	(L) 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	Meter reading SU	mV	Pass / Fail	Lab / Field
Calibr.	H-Sprinkle	1/29	0658	173851	06/19	7.0	7.00	-23.6	(P) F	(L) F
Calibr.			0700	174998	07/19	4.0	4.00	157.3	(P) F	(L) F
Calibr.			0703	170266	03/19	10.0	10.00	-202.3	(P) F	(L) F
ICV			0706	170266	03/19	10.0	9.99	-201.4	(P) F	(L) F
CCV			1234	173851	06/19	7.0	6.98	23.4	(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)

Is meter equipped with depth sensor? Yes No If yes, list date of last quarterly depth 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	H-Sprinkle	1/29	0650	0.17	0.170	(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: