

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

SMP
EQ-2018-04-02-09
Gully

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

Meter ID: WEEZY

RQ:

Project: 24ST/GT1804

- 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 3/29/18

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. Sprinkler	4/2	23:43	23.93	8.434	8.43	100.0	56.3	100655	(P) F	(L) F
ICV			0652	23.88	8.434	8.44	100.2	56.3	—	(P) F	(L) F
CCV			1346	23.8	8.434	8.40	100.3	56.3	—	(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; 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.	H. Sprinkler	4/2	0657	2709999	09/19	1000	1000	(P) F	(L) F
ICV			0659	2707083	07/19	100	102	(P) F	(L) F
CCV			1344	2709999	09/19	1000	998	(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. Sprinkler	4/2	0701	173851	06/19	7.0	7.00	-22.3	(P) F	(L) F
Calibr.			0703	174998	07/19	4.0	4.00	153.7	(P) F	(L) F
Calibr.			0705	173794	05/19	10.0	10.00	-199.3	(P) F	(L) F
ICV			0708	173794	05/19	10.0	10.01	-199.4	(P) F	(L) F
CCV			1349	174998	07/19	3.99	3.99	155.3	(P) F	(L) F
CCV						10.0			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						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: Bracketed with pH of 4.0 to account for SMP sample.