

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:

Chewy

RQ:

2019-04-08-12

Project:

SMR

- 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

02/14/2019

DO DEP 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.	H. Sprinkle	04/11	0836	24.0	758.0	8.42	8.41	99.8	—	0.9927	P / F	(X) F
ICV			0837	24.0	758.1	8.42	8.40	99.7	—	—	(P) F	(X) F
CCV	S Meyer		1448	24.0	757.2	8.42	8.36	99.3	—	—	(P) F	(X) 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.	H. Sprinkle	04/11	0830	2811E59	11/20	1000	1000	(X) F	(X) F
ICV			0832	2810946	09/20	100	99.8	(P) F	(X) F
CCV	S Meyer		1452	2705D34	05/2019	50000	50758	(P) F	(X) 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	Temp °C	Meter reading SU	mV	Pass / Fail	Lab / Field
Calibr.	H. Sprinkle	04/11	0842	186588	10/20	7.01	24.2	7.01	-5.8	(X) F	(X) F
Calibr.			0845	185909	09/20	4.00	24.3	4.00	172.6	(X) F	(X) F
Calibr.			0847	183381	05/20	10.01	24.3	10.01	-186.1	(X) F	(X) F
ICV			0851	183381	05/20	10.02	24.3	10.01	-184.3	(X) F	(X) F
CCV	S Meyer		1459	186588	10/20	7.00	24.3	7.02	-6.7	(P) F	(X) 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 10 180.3, slope from 4 to 7 178.4 (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: 02/14/2019

If NO, what will be used? (circle one) Secchi Disk Line / Sonar Unique ID: _____; 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	H. Sprinkle	04/11	0817	0.000	0.000	(P) F	(X) F

Report two decimal places. Round numbers ≤ 4 down, ≥ 5 up. ICV acceptance criteria $\pm 5\%$ or ± 0.05 m, whichever is greater.

COMMENTS: