

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: Chewy

RQ: 2018-07-09-09

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 06/06/2018

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.	K. Callahan	07/12	0717	22.1	8.127	8.75	100.2	-	-	<u>P</u> /F	<u>L</u> /F
ICV	K. Callahan	07/12	0719	22.1	8.127	8.13	100.0	-	-	<u>P</u> /F	<u>L</u> /F
CCV	K. Callahan	07/12	1540	25.9	8.06	8.128	99.2	-	-	<u>P</u> /F	<u>L</u> /F
CCV										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 mhos/cm	Meter Reading μ mhos/cm	Pass / Fail	Lab / Field
Calibr.	K. Callahan	07/12	0721	2803F43	03/20	1000	1000	<u>P</u> /F	<u>L</u> /F
ICV	K. Callahan	07/12	0723	4804E05	03/20	100	100.5	<u>P</u> /F	<u>L</u> /F
CCV	K. Callahan	07/12	1545	2806844	03/20	20000	19880	<u>P</u> /F	<u>L</u> /F
CCV					05/20			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.	K. Callahan	07/12	0725	178054	11/19	7.0	7.0	-11.9	<u>P</u> /F	<u>L</u> /F
Calibr.	K. Callahan	07/12	0728	180710	02/20	4.0	4.0	-169.0	<u>P</u> /F	<u>L</u> /F
Calibr.	K. Callahan	07/12	0730	178540	12/19	10.0	10.0	-188.5	<u>P</u> /F	<u>L</u> /F
ICV	K. Callahan	07/12	0732	178540	12/19	10.0	10.0	-187.6	<u>P</u> /F	<u>L</u> /F
CCV	K. Callahan	07/12	1550	178054	11/19	7.6	7.04	-12.7	<u>P</u> /F	<u>L</u> /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 10 176.6, slope from 4 to 7 180.9 (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: