

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 name.

Meter ID: CHEWY RQ: 2018-06-11-09 Project: SEA 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.	Kelby Callahan	06/12	701	23.8	8.450	8.46	100.0%	-	-	P/F	C/F
ICV	ke	06/12	704	23.2	8.516	8.55	100%	-	-	P/F	C/F
CCV	KC	06/12	1313	26.0	8.114	8.26	101.9%	-	-	P/F	C/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.	KC	06/12	707	2803543	03/20	1000	1000	P/F	C/F
ICV	KC	06/12	709	1711C50	10/19	100	101	P/F	C/F
CCV	KC	06/12	1316	2705034	05/19	50000	51030	P/F	C/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.	KC	06/12	712	180710	02/20	7.0	7.0	-3.7	P/F	C/F
Calibr.	KC	06/12	715	180710	02/20	4.0	4.0	175.6	P/F	C/F
Calibr.	KC	06/12	720	173794	05/19	10.0	10.0	-180.6	P/F	C/F
ICV	KC	06/12	721	173794	05/19	10.0	9.99	-180.4	P/F	C/F
CCV	KC	06/12	1319	178054	01/19	7.0	6.96	0.6	P/F	C/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 10 171.9, slope from 4 to 7 184.3 (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: