

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:

7

RQ-

Project:

CCHMN

- 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

01/08/2018

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.	M. DUGAN	02/19/18	0657	25.6	6.173	8.17	100	40.0	958	P/F	L/F
ICV	"	"	0702	25.6	8.173	8.21	100	40.0		P/F	L/F
CCV	"	"	1717	18.8	9.314	9.27	99	38.7		P/F	L/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.	M. DUGAN	02/19/18	0705	171211C	12/18	1000	1000	P/F	L/F
ICV	"	"	0707	171211D	12/18	500	481	P/F	L/F
CCV	"	"	1721	2706591	05/19	50,000	47655	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	mV	Pass / Fail	Lab / Field
Calibr.	M. DUGAN	02/19/18	0710	170157	08/19	7.0	7.0	-40.7	P/F	L/F
Calibr.	"	"	0711	177238	10/19	4.0	4.0	132.9	P/F	L/F
Calibr.	"	"	0712	176507	09/19	10.0	10.0	-24.3	P/F	L/F
ICV	"	"	0714	176507	09/19	10.0	10.0	-24.9	P/F	L/F
CCV	"	"	1718	177238	10/19	4.0	4.1	125.6	P/F	L/F
CCV									P/F	L/F

pH Acceptance criteria ± 0.2 SU; mV pH 7 Range 0 ± 50 ;

If mV are recorded: slope from 7 to 10 279.2, slope from 4 to 7 173.6

mV pH 4 Range $+180 \pm 50$;

mV pH 10 Range -180 ± 50 ;

(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: