

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:

KEYS

RQ:

Project:

2017-12-04-33

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

12/04/17

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	12/5/17	0820	24.9	8.279	8.3	100	57.4	0.940	P/F	L/F
ICV	"	"	0822	24.9	8.279	8.3	100	57.4		P/F	L/F
CCV	JOHAN B. BERNSTEIN	12/5/17	1350	23.0	8.6	8.7	102	57.4		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 hos/cm	Meter Reading μ hos/cm	Pass / Fail	Lab / Field
Calibr.	M. DUGAN	12/5/17	0823	170728B	08/18	500	500	P/F	L/F
ICV	"	"	0824	170828	09/18	100	102	P/F	L/F
CCV	JOHAN B. BERNSTEIN	12/5/17	1352	2706591	5/19	50,000	49333	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.	M. DUGAN	12/5/17	0826	173426	05/19	7.0	7.0	-13.0	P/F	L/F
Calibr.	"	"	0827	173425	05/19	4.0	4.0	163.7	P/F	L/F
Calibr.	"	"	0828	172902	04/19	10.0	10.0	-90.9	P/F	L/F
ICV	"	"	0832	173425	05/19	4.0	4.0	160.2	P/F	L/F
CCV	JOHAN B. BERNSTEIN	12/5/17	1355	172902	4/19	10.0	10.0	-92.6	P/F	L/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 10 177.9, slope from 4 to 7 160.7 (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: