

CALIBRATION AND VERIFICATION LOG (FDEP SOP FT 1000-FT 1500, FD 1000-FD 4000)

Field use this box where is quality data on this name

Meter ID:

7

RQ:

2017-11-16-08

Project:

SMP SMALL LOTS

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

9/28/17

Temperature (Quarterly) FT 1400

Date of Last Temperature Verification

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	11/28/17	0708	24.8	8.294	8.3	100	21.4	0.853	P/F	L/F
ICV	"	"	0713	24.6	8.325	8.35	100	22.4		P/F	L/F
CCV	JOHN BARRINGTON	11/28/17	1600	25.6	8.5	9.5				P/F	L/F
CCV	JOHN BARRINGTON	11/28/17	1610	25.7	8.2	9.5	115.6	25.7		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	11/28/17	0721	170728A	08/18	1000	1000	P/F	L/F
ICV	"	"	0723	170828	09/18	100	104	P/F	L/F
CCV	JOHN BARRINGTON	11/28/17	1605	170728B	8/18	500	502	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	11/28/17	0724	173424	05/19	7.0	7.0	9.4	P/F	L/F
Calibr.	"	"	0727	173425	05/19	4.0	4.0	154.9	P/F	L/F
Calibr.	"	"	0734	172902	04/19	10.0	10.0	-139.4	P/F	L/F
ICV	"	"	0736	173425	05/19	4.0	4.0	152.3	P/F	L/F
CCV	JOHN BARRINGTON	11/28/17	1608	172902	04/19	10.0	10.1	-140.0	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, slope from 4 to 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: