

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:

Chem

RQ:

2018-08-20

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

9/17/18

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.	Ben Paswater	9/1/18	23.5	27.2	8.50	8.50	100.0	700		P/F	L/F
ICV	Ben Paswater	9/1/18	23.5	27.2	8.50	8.50	100.0			P/F	L/F
CCV		9/1/18	1507	26.0	8.1	8.09	100.0			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.	Ben Paswater	9/1/18	722	2807007	7/20	1,000	1,000	P/F	L/F
ICV	Ben Paswater	9/1/18		2807007	7/20			P/F	L/F
CCV		9/1/18	724	2807691	7/20	100	97.2	P/F	L/F
CCV			1507	2804410	4/20	500	491	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.	Ben Paswater	9/1/18	727	178054	11/19	7.0	7.01	-18	P/F	L/F
Calibr.	Ben Paswater	9/1/18	729	181456	4/20	4.0	4.00	164	P/F	L/F
Calibr.	Ben Paswater	9/1/18	731	178540	12/19	10.0	10.00	-197	P/F	L/F
ICV			734	178054	11/19	7.0	6.96	-152	P/F	L/F
CCV			1509	181456	4/20	4.0	4.17	155	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

179

slope from 4 to 7

182

(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

8/13/18

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: