

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

30mile Area
Delmar

Boldly "X" this box if there is qualified data on this page.

Meter ID: 110224 RQ: 2018-01-30-18 Project: Imp

- 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 10/2/17

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.		1/30/18	730	21.36	8.86	8.86	100	56		P/F	L/F
ICV	Benfaswater	1/30/18	731	21.5	8.89	8.80	99.7	55		P/F	L/F
CCV	J Ashton	1	1600	21.4	8.85	8.86	100.6	57.4		P/F	L/F
CCV										P/F	L/F

DO Acceptance criteria from Table ± 0.3 mg/L.

Rapid-Pulse Sensors: DO Gain Range 0.7 to 1.4; DO Charge Range 25-75.

Optical: DO gain range 0.85 to 1.15; DO charge N/A.

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.		1/30/18	732	270306	3/19	1,000	1,000	P/F	L/F
ICV	Benfaswater	1/30/18	734	2707083	7/19	100	104	P/F	L/F
CCV	J Ashton	1/30/18	1605	2705206	5/19	500	492	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.		1/30/18	735	171628	3/19	7.0	6.99	-17	P/F	L/F
Calibr.	Benfaswater	1/30/18	737	174998	7/18	4.0	4.00	158	P/F	L/F
Calibr.	Benfaswater	1/30/18	740	170266	3/19	10.0	10.00	-194	P/F	L/F
ICV		1/30/18	742	174998	7/18	4.0	3.96	161	P/F	L/F
CCV	J Ashton	1	1607	170206	3/19	10.0	9.96	-152	P/F	L/F
CCV									P/F	L/F

pH Acceptance criteria ± 0.2 SU;

mV pH 7 Range 0 $\pm$ 50;

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

mV pH 10 Range -180 $\pm$ 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: