

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: **5**

RQ: **2018-08-05-24**

Project: **CONTINUOUS MONIT.**

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 **12/28/17**

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.	<i>John Barrington</i>	3/13/18	725	24.4	8.35	8.33	100	63.5		(P) F	(L) F
ICV	<i>John Barrington</i>	3/13/18	1616	23.90	8.43	8.51	100.9	62.5		(P) F	(L) F
CCV										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.	<i>John Barrington</i>	3/13/18	730	170728C	8/18	10,000	9998	(P) F	(L) F
ICV	<i>John Barrington</i>	3/13/18	733	171210	12/18	500	513	(P) F	(L) F
CCV	<i>John Barrington</i>	3/13/18	1618	2706591	5/19	50,000	49507	(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.	<i>John Barrington</i>	3/13/18	740	176157	8/19	7.0	7.0	-106.3	(P) F	(L) F
Calibr.	<i>John Barrington</i>	3/13/18	750	177238	10/19	4.0	4.1	-1.9	(P) F	(L) F
Calibr.	<i>John Barrington</i>	3/13/18	752	176507	9/19	10.0	9.9	-215.1	(P) F	(L) F
ICV	<i>John Barrington</i>	3/13/18	754	177238	10/19	4.0	3.9	7.0	(P) F	(L) F
CCV	<i>John Barrington</i>	3/13/18	1620	176507	9/19	10.0	10.12		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 10 108.8, slope from 4 to 7 108.2 (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: