

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: L12 Gub

RQ: 727-02-11-15

Project: Forest Oak Ridge

- 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 7/11/17

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.	Drew Liddick	10/4/17	730	25.2	8.2	8.2	100	70.6	0.89	⓪/F	⓪/F
ICV			732	25.2	8.2	8.2	100	70.6	-	⓪/F	⓪/F
CCV	J. P. Jans	10/4/17	1640	23.2	8.5	8.5	100	70.6	-	⓪/F	⓪/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.	Drew Liddick	10/4/17	734	2703066	3/19	1000	1000	⓪/F	⓪/F
ICV			736	2703066	3/19	100	100	⓪/F	⓪/F
CCV	J. P. Jans	10/4/17	1642	2511238	11/17	50,000	49818	⓪/F	⓪/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.	Drew Liddick	10/4/17	738	172189	4/19	7.0	7.0	-31.6	⓪/F	⓪/F
Calibr.			740	173531	5/19	4.0	4.0	146.3	⓪/F	⓪/F
Calibr.			742	163619	6/18	10.0	10.0	-206.8	⓪/F	⓪/F
ICV			744	163619	6/18	10.0	10.0	-206.4	⓪/F	⓪/F
CCV	J. P. Jans	10/4/17	1644	173531	5/19	4.0	3.9	147.9	⓪/F	⓪/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 10 175.2, slope from 4 to 7 177.9 (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 7/11/17

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	Drew Liddick	10/4/17	746	0.000	0.000	⓪/F	⓪/F

Report two decimal places. Round numbers ≤ 4 down, ≥ 5 up. ICV acceptance criteria $\pm 5\%$ or ± 0.05 m, whichever is greater.

COMMENTS: