

CALIBRATION and Continuing Calibration 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: QD02228-Q+02027 1-6-06 version

Date 8/19/09 Calibration Time (Pre Sample): 11:30 Post Sample Time: 7:20 on 8/20/09

Circle/Fill In: Lab Calibration or Calibration on Site yes

Temperature (Monthly)

Date of Last Temperature Verification _____

Pass or Fail
P F

Ice Bath: Probe _____ °C NIST _____ °C Warm Bath: Probe _____ °C NIST _____ °C

Dissolved Oxygen

In Calibrate Mode

Initial Reading: 7.44 mg/L @ Temp. 30.13 °C % DO 98.8 P F

Calibrated Reading: 7.52 mg/L @ Temp. 30.25 °C % DO 100.1 P F

Pre Sample

Initial Calib. Verification: 7.32 mg/L @ Temp. 30.31 °C % DO 97.4 P F

Post Sample

Continuing Calib. Verification 8.28 mg/L @ Temp. 25.25 °C % DO 100.6 P F

-Cont. Calib Verif. done on 8/20/09 after DO membrane had been changed.

Specific Conductance

	Exp. Date	Lot #	Standard	Initial Reading	Calibrated Reading
In Calibrate Mode					
Calibration:	<u>08/09</u>	<u>4808213</u>	<u>1000</u> $\mu\text{mhos/cm}$	<u>988</u> $\mu\text{mhos/cm}$	<u>1000</u> $\mu\text{mhos/cm}$ <u>P</u> F
Pre Sample					
Initial Calib. Verification:	<u>09/09</u>	<u>2809223</u>	<u>100</u> $\mu\text{mhos/cm}$	<u>104</u> $\mu\text{mhos/cm}$	<u>P</u> F
Post Sample					
Continuing Calib. Verification	<u>08/09</u>	<u>4808213</u>	<u>1000</u> $\mu\text{mhos/cm}$	<u>1015</u> $\mu\text{mhos/cm}$	<u>P</u> F

pH

Standard	Exp. Date	Lot #	Initial Reading	Temperature	Calibrated Reading	Temperature
In Calibrate Mode						
Initial Calibration:	<u>01/10</u>	<u>082161</u>	<u>6.97</u> SU	<u>31.39</u> °C	<u>6.99</u> SU	<u>31.37</u> °C <u>P</u> F
Initial Calibration Verification:						
Pre Sample						
Continuing Calibration Verification:	<u>12/09</u>	<u>076518</u>	<u>10.09</u> SU	<u>30.68</u> °C		<u>P</u> F
Post Sample						
Continuing Calibration Verification:	<u>01/10</u>	<u>082161</u>	<u>6.97</u> SU	<u>24.26</u> °C		<u>P</u> F

Maintenance

Notes:

Specific Conductance Probe Cleaned? Y N

Dissolved Oxygen Membrane Changed? Y N

Site ID: Rainbow

Project: SPRG0907

Laura Hester

Print name of person performing calibrations.

Acceptance Criteria: (DO $\pm 0.3\text{mg/l}$) (Specific Conductance $\pm 5\%$) (pH $\pm 0.2\text{SU}$) (Temperature $\pm 0.2^\circ\text{C}$) Warm bath Appx. 40°C