Calibrated by: PRW/CSE Location: Field Site FIELD ID MW01

Date: 4/24/12 Time:

22

METER CALIBRATIONS/FIELD MEASUREMENTS

TEMPERATURE Meter make/model YSI 6920 S/N 04J16341 Thermistor S/N _____ Thermometer ID _____

Calibration criteria: ± 1 percent or ± 0.5 °C for liquid-filled thermometers ± 0.2 °C for thermistors

Lab Tested against NIST Thermometer/Thermistor? (Y) N Date: 02/17/2012 ± 0.1 °C

Measurement Location : (FLOW-THRU CHAMBER) SINGLE POINT AT _____ ft blw LSD VERTICAL AVG. OF ____ POINTS

Field Readings # 1 _____ #2 _____ #3 _____ #4 _____ #5 _____ **MEDIAN:** _____ **°C** Method Code _____ Remark ___ Qualifier ___

pH Meter make/model YSI 6920 S/N 04J16341 Electrode No. _____ Type: (GEL) LIQUID OTHER _____

Sample: FILTERED UNFILTERED (FLOW-THRU CHAMBER) SINGLE POINT AT _____ ft blw LSD VERTICAL AVG. OF ____ POINTS

pH Buffer	Buffer Temp	Theoretical pH from table	pH Before Adj.	pH After Adj.	Slope	Millivolts
pH 7	17.93	7.03	7.11	7.03		
pH 7						
pH 7						
pH 10	19.23	10.05	10.03	10.05		
pH ___						
pH 12.46	18.35		12.58	—		
CHECK pH ___						

Temperature correction factors for buffers applied? Y N

BUFFER LOT NUMBERS: pH 7: 1101562

pH 10 : 1105026

CHECK pH 12.46: QY1

BUFFER EXP. DATES: pH 7: January 2013

pH 10 : October 2013

CHECK pH 12.46: February 2014

Calibration Criteria: ± 0.1 pH units

Field Readings #1 _____ #2 _____ #3 _____ #4 _____ #5 _____ **MEDIAN:** _____ **units** Method Code _____ Remark ___ Qualifier ___

SPECIFIC CONDUCTANCE Meter make/model YSI 6920 S/N 04J16341 Sensor Type: Dip (Flow-thru) Other _____

Sample: (Flow-thru chamber) Single point at _____ ft blw lsd Vertical avg. of _____ points

Std Value µS/cm	Std Temp	SC Before Adj.	SC After Adj.	Std Lot No.	Std type (KCl; NaCl)	Std Exp. Date
1000	19.68	998	998	1110208	KCL	4/2013
5000	19.60	4999	4998	1103589	KCL	9/2013
					KCL	

Calibration Criteria: ± 5 % for SC ≤100 µS/cm or 3% for SC >100 µS/cm

AUTO TEMP COMPENSATED METER X

MANUAL TEMP COMPENSATED METER ___

CORRECTION FACTOR APPLIED? Y N

CORRECTION FACTOR= _____

Field Readings #1 _____ #2 _____ #3 _____ #4 _____ #5 _____ **MEDIAN:** _____ **µs/cm** Method Code _____ Remark ___ Qualifier ___

DISSOLVED OXYGEN Meter make/model YSI 6920 S/N 04J16341

Sensor Type: Amperometric (Luminescent) Probe No. _____

Sample: (Flow-thru chamber) Single point at _____ ft blw lsd Vertical avg. of _____ points BOD bottle Stirrer Used? Y N

(Water-Saturated Air) Air-Saturated Water Air Calibration Chamber in Water Air Calibration Chamber in Air Winkler Titration Other _____

Calibration Temp °C	Barometric Pressure mm Hg	DO Table Reading mg/L	Salinity Correction Factor	DO Before Adjustment	DO After Adjustment
18.09	627.7			7.17	7.80

Calibration Criteria: ± 0.2 mg/L

Zero DO Check <0.1 mg/L Adj. to — mg/L Date: 4/24/12

Zero DO Solution Date 4/22/12 Thermistor Check? Y N Date _____

Membrane Changed? N (Y) N/A Date: 3/5/12 Time: _____

Barometer Calibrated? N (Y) Date: 3/5/12 Time: _____

Battery Check: REDLINE _____ RANGE _____

Field Readings #1 _____ #2 _____ #3 _____ #4 _____ #5 _____ **MEDIAN:** _____ **mg/L** Method Code _____ Remark ___ Qualifier ___

SIGNATURE Pat R. Wright **DATE** 5/3/12

DISCLOSED TO AND UNDERSTOOD BY **DATE** **WITNESS** **DATE**