NH3-N ISE worksheet for calculating results when using three calibration standards

DNR Template Version 02NOV15

Method No:	

Laboratory:	

Initial Estimated Values		
Eo =	117.5	mV
Slope =	-60.0	mV/D
Blank =	0.0	Conc

Final Calibration Values		
Eo =	117.5	mV
Slope =	-60.0	mV/D
Blank =	0.000	Conc

	Calculated Values		best curves are when both are between 54 - 60
Eo Estimate =		slope 1	0.00
Slope Estimate =		slope 2	0.00
Blank Estimate =	0		

ID for each Calibration Std	Calibration Std Concentrations (mg/L)	Measured mV	Calculated mV

Analysis Date:		Overall Slope must be -54 to - 60 mV	Slope Failure
Analyst:			

Standard volumes used (mL) **	
Sample volumes used (mL) **	

** note anytime different from this value

Unique Sample ID (Initial Vol / Final	Calculated Concentration (mg/L)	Measured mV	Dil Factor	Final Conc (mg/L)	QC
Calibration Std 1		0	1		
Calibration Std 2		0	1		
Calibration Std 3		0	1		
Method Blank			1		
LCS			1		
CCV			1		

Water source used for method blank	
ISA buffer volume used on all (mL) **	
ISA buffer solution ID	
LCS standard ID	
LCS standard Concentration (mg/L)	
CCV standard Concentration (mg/L)	
LOD (mg/L)	
LCS recovery must be 90-110%	

Instructions

1. Enter calibration curve standard concentrations and measured mV into the orange cells.
2. Click the "Run Solver" button below and then Click on "OK" to accept the results.
3. The green cells show the standard concentrations using the calculated calibration.
4. Enter the sample and QC mV measurements into the yellow cells
5. The calculated concentration from these measurements are in the purple cells
6. Enter other analysis required information in the other yellow cells

Caution: Because this spreadsheet uses the Solver function cells cannot be locked and protected. Be careful not to change formulas.

LCS recovery must be 90-110%	

Comments: