



A = Measured Value

B = Replicate Value

$$\text{Precision:} = \left[ \frac{|A-B| * 100}{(A+B)/2} \right] = \%$$

Example:      A = Measured Value    =      1210  
                  B = Replicate Value    =      1150

$$\frac{|1210 - 1150| * 100}{(1210 + 1150) / 2}$$

$$\frac{|60| * 100}{(2360) / 2}$$

$$\frac{6000}{1180}$$

5.084

Precision:    =   

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X = Pre Calibration Reading

Y = Calibrated Reading

SV=Standard Value ("known")

$$\left[ \frac{(X - Y) * 100}{SV} \right] = \%$$

Example:      X = Pre Calibration Reading    =      1440  
                  Y = Calibrated Reading        =      1410  
                  SV=Standard Value ("known") =      1413

$$\frac{(1440-1410) * 100}{1413}$$

$$\frac{(30) * 100}{1413}$$

$$\frac{3000}{1413}$$

2.12

Accuracy:    =   

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Example

<b>Sample Collection:</b>				
<u>Sample ID:</u>	<u>Time Collected:</u>	<u>Collected by:</u>	<u>Type:</u>	<u>Container type :</u>
304 - ELKHO-31-B	11:42am	Tamara Doan	Bacteria	Whirlpak
304 - ELKHO-31-N	11:45am	Tamara Doan	Nutrient	Whirlpak
304 - ELKHO-31-FB	11:52am	Bridget Hoover	Field Blank	Whirlpak
N/A	---	----	_____	-----
<b>Sample Custody:</b>				
<b>Relinquished By:</b>	Tamara Doan	<b>Received By:</b>	Alan Romero	
<b>Date /Time:</b>	5/7/2005 12:45	<b>Date /Time:</b>	5/7/2005 12:45	