

**Single Substitution Data Sheet**  
(Optional Sequence B)  
*XSS*

**Laboratory data and conditions:**

Operator		
Date		Temperature
Balance		Pressure
Load		Relative Humidity
Standard deviation of the process, from control chart, $s_p$		

**Mass standard(s) data:**

ID	Nominal	Mass Correction*	Unc: From cal. report	Unc: k factor	Density g/cm <sup>3</sup>
$S$					
$X$					
$sw$					
$t_x$					
$t_s$					
$S_c$					

\*Mass Correction = *True Mass* if using buoyancy correction. Mass Correction = *Conventional Mass* if NOT using buoyancy correction. Density is used only with buoyancy corrections.

**Observations:**

Measurement No.	Weights	Balance Observations, Units		
Time:				
1 ( $O_1$ )	$X + t_x$			
2 ( $O_2$ )	$S + t_s$			
3 ( $O_3$ )	$S + t_s + sw$			
Time:				

**Measurement Assurance (Duplication of the Process):**

Measurement No.	Weights	Balance Observations, Units <u>mg</u>		
Time:				
1 ( $O_1$ )	$S_c + t_{Sc}$			
2 ( $O_2$ )	$S + t_s$			
3 ( $O_3$ )	$S + t_s + sw$			
Time:				

Note: dotted line represents decimal point.