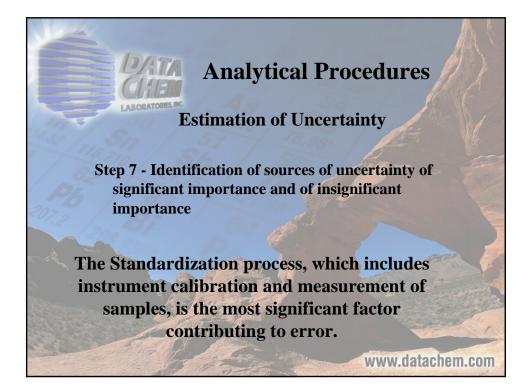
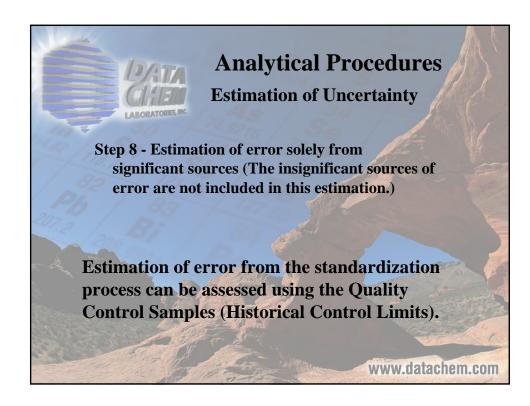
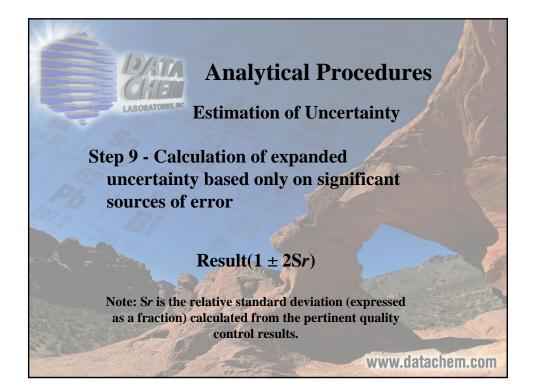
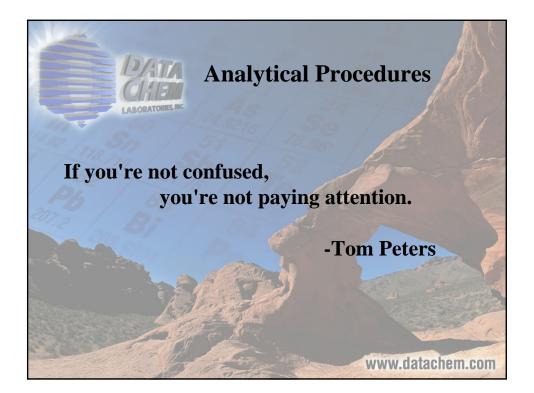


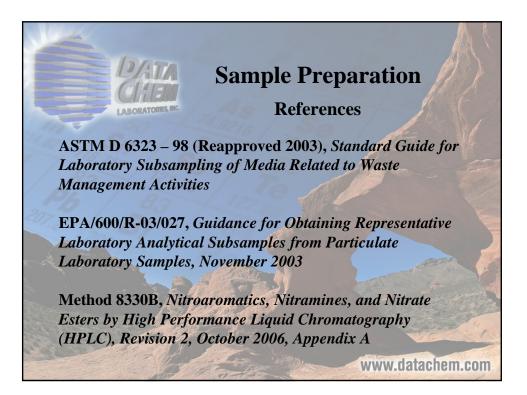
	A An	alytic	al Pro	cedures
Source LABORATOR	Estimate of Error	Type of Error	Standard Error	Square of the Standard Error
Mass	0.03	1	0.03	0.0009
Volume	0.05	1	0.05	0.0025
Temperature	0.012	1	0.012	0.0001
Calibration Standards	1	2	0.5	0.25
Atomic Weights	0.02	2	0.01	0.0001
Standardization Process	3		3	9.0
Purity	0.1	2	0.05	0.0025
Combined Uncertainty:				9.26

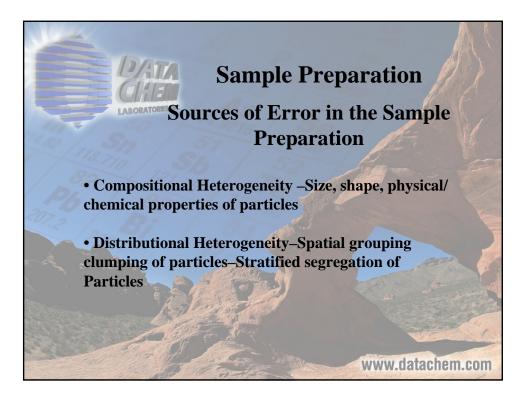


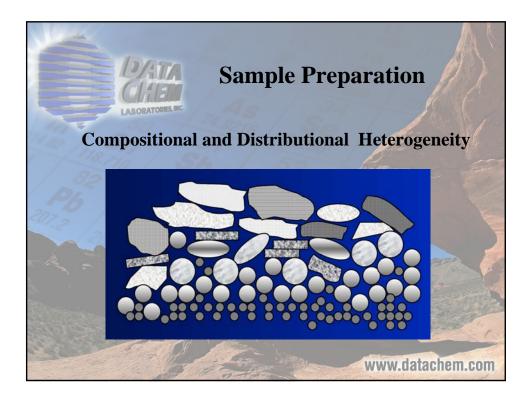


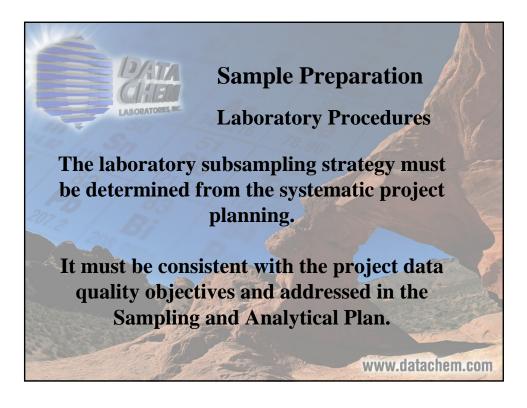


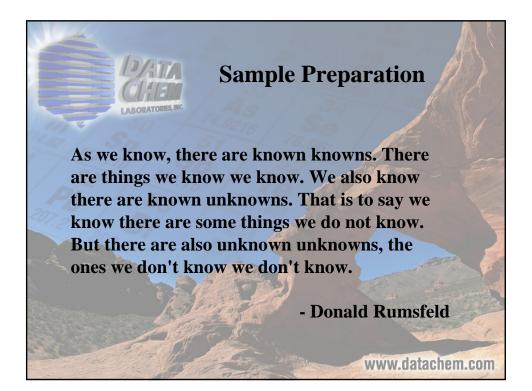




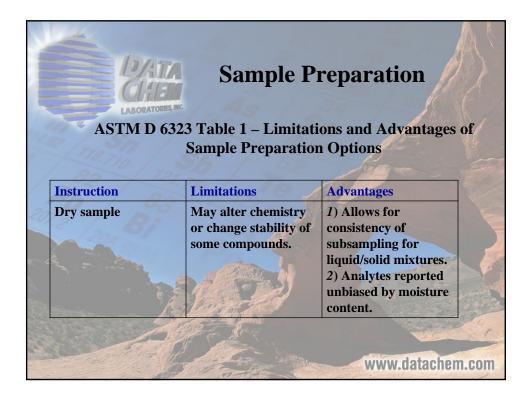


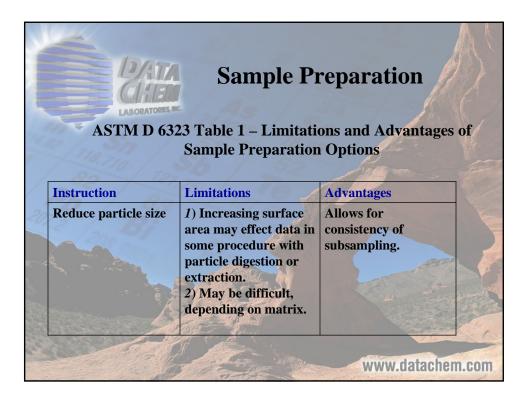


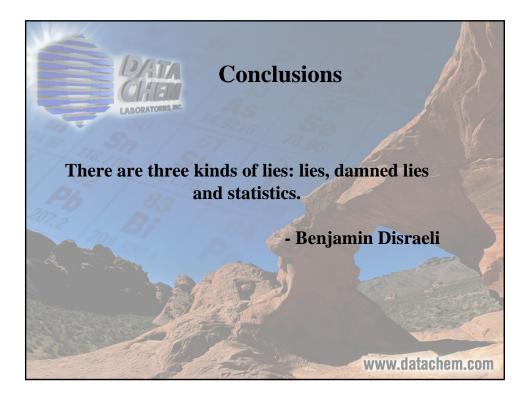


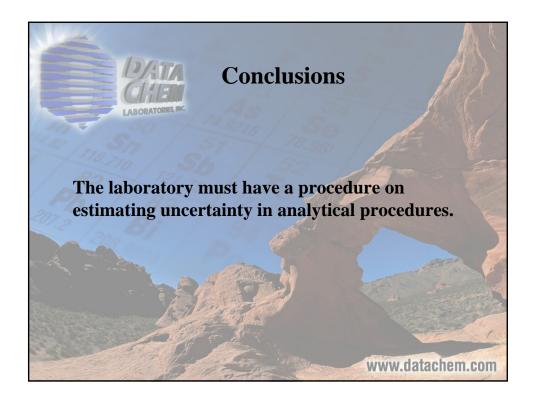


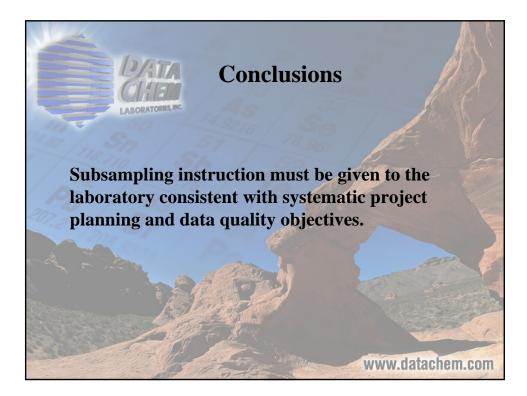
DATA DATA LABORATORES	45	reparation
ASTM D 63	23 Table 1 – Limitati Sample Preparation	ons and Advantages of Options
	Sumple Preparation	- options
Instruction	Limitations	Advantages
Remove artifacts, such as rocks and twigs, from the sample prior to subsampling,	<ol> <li>May bias analytical results by altering contaminant concentration.</li> <li>May bias sample if results are not properly weight averaged.</li> </ol>	<ol> <li>May be easier to subsample.</li> <li>May be easier to analyze.</li> <li>Appropriate if the target population is material minus artifacts.</li> </ol>











DATA Co	onclusions
Sou	rces of Error
Field Sampling and Sample Design	Up to 1000% <sup>1</sup>
Sample Preparation	50% of Sampling Error? Proportional
Analysis	2% to 20%1

