GM-1D PCE												
General Stat	tistics											
Total Number of Observations				6	Number of Distinct Observations					6		
						Number of	Missing Obs	ervations		0		
Minimum					0.41	Mean					2.63	
Maximum					8.8	Median					1.55	
SD					3.141	Std. Error o	f Mean				1.282	
Coefficient	of Variation				1.194	Skewness					2.067	
Note: Sampl	le size is sm	nall (e.g., <1	0), if data ar	e collected	using incren	<u> </u> nental samp	l oling method	lology (ISM)	approach,			
refer also to								,				
but note that	t ITRC may	recommend	I the t-UCL o	r the Cheby	shev UCL fo	r small sam	ple sizes (n	< 7).				
The Chebys	hev UCL of	ten results i	n gross over	estimates of	f the mean.							
Refer to the	ProUCL 5.2	2 Technical	Guide for a d	liscussion o	f the Cheby	shev UCL.						
Normal GOF	Test											
Shapiro Wilk Test Statistic				0.739	9 Shapiro Wilk GOF Test							
1% Shapiro Wilk Critical Value				0.713	Data appear Normal at 1% Significance Level							
Lilliefors Test Statistic					0.312	Lilliefors GOF Test						
1% Lilliefors Critical Value				0.373	3 Data appear Normal at 1% Significance Level							
Data appear Normal at 1% Significance Level												
Note GOF te	sts may be	unreliable f	or small san	nple sizes								
Assuming No		ibution										
95% Normal UCL					95% UCLs (Adjusted for Skewness)							
95% Student's-t UCL				5.214	,					5.895		
						95% Modi	fied-t UCL (J	ohnson-19	78)		5.394	
Gamma GOI												
A-D Test Statistic					Anderson-Darling Gamma GOF Test							
5% A-D Critical Value					.3 Detected data appear Gamma Distributed at 5% Significance Level							
K-S Test Statistic				0.187	Kolmogoro	v-Smirnov G	amma GOF	Test				

5% K-S Critical Value	0.34	Detected data appear Gamma Distributed at 5% Significance Level						
Detected data appear Gamma Distr	ibuted at 5% Significanc	e Level						
Note GOF tests may be unreliable fo	or small sample sizes							
Gamma Statistics								
k hat (MLE)		1.124	k star (bias c	orrected M	1LE)		0.67	'3
Theta hat (MLE)		2.339	Theta star (b	ias correct	ed MLE)		3.90)6
nu hat (MLE)		13.49	nu star (bias corrected)				8.0	18
MLE Mean (bias corrected)		2.63	MLE Sd (bias corrected)				3.20)5
			Approximate	Chi Squar	e Value (0.0	05)	2.78	31
Adjusted Level of Significance		0.0122	Adjusted Chi Square Value				1.78	39
Assuming Gamma Distribution								
95% Approximate Gamma UCL		7.64	95% Adjust	ed Gamm	11.8	88		
Lognormal GOF Test								
Shapiro Wilk Test Statistic		0.98	Shapiro Wilk Lognormal GOF Test					
10% Shapiro Wilk Critical Value		0.826	Data appear Lognormal at 10% Significance Level					
Lilliefors Test Statistic		0.133	Lilliefors Lognormal GOF Test					
10% Lilliefors Critical Value		0.298	Data appear Lognormal at 10% Significance Level					
Data appear Lognormal at 10% Sign	ificance Level							
Note GOF tests may be unreliable for	r small sample sizes							
Lagrarmal Ctationia								
Lognormal Statistics		0.000	Maan of logg	ad Data		+	0.4	10
Minimum of Logged Data			Mean of logged Data				0.4	
Maximum of Logged Data		2.1/5	SD of logged	Data			1.08	55
Assuming Lognormal Distribution	+ +						+	
95% H-UCL		24.46	90% Chebyshev (MVUE) UCL			5.77	77	
95% Chebyshev (MVUE) UCL		7.256	97.5% Chebyshev (MVUE) UCL			9.30	18	
99% Chebyshev (MVUE) UCL	13.34		<u>-</u> ,					
Nonparametric Distribution Free UC	CL Statistics							

Data appear to	o follow a	Discernible	Distribution	<u> </u>								
Data appear to	.o rottow a	Discernible	Distribution	•								
Nonparametri	ic Distribu	L Ition Free U	CLs									
95% CLT UCL				4.739	95% BCA Bootstrap UCL					5.402		
95% Standard Bootstrap UCL				4.549	95% Bootstrap-t UCL					11.72		
95% Hall's Bootstrap UCL					14.06	95% Percentile Bootstrap UCL					4.84	
90% Chebys	shev(Mear	n, Sd) UCL			6.477	95% Cheb	yshev(Mear	8.219				
97.5% Cheby	/shev(Mea	ın, Sd) UCL			10.64	99% Chebyshev(Mean, Sd) UCL					15.39	
		-					,					
Suggested UC	CL to Use											
95% Student's					5.214							
The calculated	d UCLs ar	e based on a	assumptions	s that the da	ita were coll	ected in a ra	indom and ເ	ınbiased ma	nner.			
Please verify t			· ·									
If the data wer						ods,						
then contact a			_			·						
Note: Suggest	tions rega	rding the se	lection of a 9	95% UCL are	e provided to	help the us	er to select	the most ag	propriate 9	5% UCL.		
Recommenda					•	-						
However, sim		•								lt a statisticia	an.	