	A	B	C	D	E	F	G	H	I	J	K	L
1				Goodness-of-Fit Test Statistics for Data Sets with Non-Detects								
2		User Selected Options										
3		Date/Time of Computation		8/2/2013 10:41:21 AM								
4		From File		WorkSheet.xls								
5		Full Precision		OFF								
6		Confidence Coefficient		0.95								
7												
8												
9	DDx											
10												
11					Num Obs	Num Miss	Num Valid	Detects	NDs	% NDs		
12				Raw Statistics	46	0	46	44	2	4.35%		
13												
14					Number	Minimum	Maximum	Mean	Median	SD		
15				Statistics (Non-Detects Only)	2	0.94	0.98	0.96	0.96	0.0283		
16				Statistics (Detects Only)	44	0.461	6.695	2.141	2.093	1.111		
17				Statistics (All: NDs treated as DL value)	46	0.461	6.695	2.09	2.064	1.113		
18				Statistics (All: NDs treated as DL/2 value)	46	0.461	6.695	2.069	2.064	1.138		
19				Statistics (Normal ROS Imputed Data)	46	0.366	6.695	2.066	2.064	1.142		
20				Statistics (Gamma ROS Imputed Data)	46	0.461	6.695	2.077	2.064	1.127		
21				Statistics (Lognormal ROS Imputed Data)	46	0.461	6.695	2.083	2.064	1.12		
22												
23					K hat	K Star	Theta hat	Log Mean	Log Stdv	Log CV		
24				Statistics (Detects Only)	4.235	3.962	0.506	0.639	0.515	0.806		
25				Statistics (NDs = DL)	4.067	3.816	0.514	0.609	0.523	0.858		
26				Statistics (NDs = DL/2)	3.535	3.319	0.585	0.579	0.578	0.998		
27				Statistics (Gamma ROS Estimates)	3.795	3.562	0.547	--	--	--		
28				Statistics (Lognormal ROS Estimates)	--	--	--	0.602	0.533	0.887		
29												
30				Normal GOF Test Results								
31												
32					No NDs	NDs = DL	NDs = DL/2	lormal RO				
33				Correlation Coefficient R	0.918	0.919	0.927	0.917				
34												
35					Test value	Crit. (0.05)	Conclusion with Alpha(0.05)					
36				Shapiro-Wilk (Detects Only)	0.865	0.944	Data Not Normal					
37				Lilliefors (Detects Only)	0.14	0.134	Data Not Normal					
38				Shapiro-Wilk (NDs = DL)	0.864	0.945	Data Not Normal					
39				Lilliefors (NDs = DL)	0.131	0.131	Data Appear Normal					
40				Shapiro-Wilk (NDs = DL/2)	0.876	0.945	Data Not Normal					
41				Lilliefors (NDs = DL/2)	0.131	0.131	Data Not Normal					
42				Shapiro-Wilk (Normal ROS Estimates)	0.88	0.945	Data Not Normal					
43				Lilliefors (Normal ROS Estimates)	0.131	0.131	Data Not Normal					
44												
45				Gamma GOF Test Results								
46												
47					No NDs	NDs = DL	NDs = DL/2	amma RO				
48				Correlation Coefficient R	0.958	0.96	0.962	0.962				
49												
50					Test value	Crit. (0.05)	Conclusion with Alpha(0.05)					
51				Anderson-Darling (Detects Only)	0.585	0.753						
52				Kolmogorov-Smirnov (Detects Only)	0.109	0.134	Detected Data Appear Gamma Distributed					
53				Anderson-Darling (NDs = DL)	0.584	0.753						
54				Kolmogorov-Smirnov (NDs = DL)	0.102	0.131	Data Appear Gamma Distributed					
55				Anderson-Darling (NDs = DL/2)	0.67	0.754						
56				Kolmogorov-Smirnov (NDs = DL/2)	0.117	0.131	Data Appear Gamma Distributed					
57				nderson-Darling (Gamma ROS Estimates)	0.607	0.754						
58				Kolmogorov-Smirnov (Gamma ROS Est.)	0.11	0.131	Data Appear Gamma Distributed					
59												
60				Lognormal GOF Test Results								
61												
62					No NDs	NDs = DL	NDs = DL/2	Log ROS				

	A	B	C	D	E	F	G	H	I	J	K	L
63				Correlation Coefficient R	0.977	0.981	0.971	0.98				
64												
65					Test value	Crit. (0.05)	Conclusion with Alpha(0.05)					
66				Shapiro-Wilk (Detects Only)	0.965	0.944	Data Appear Lognormal					
67				Lilliefors (Detects Only)	0.139	0.134	Data Not Lognormal					
68				Shapiro-Wilk (NDs = DL)	0.968	0.945	Data Appear Lognormal					
69				Lilliefors (NDs = DL)	0.135	0.131	Data Not Lognormal					
70				Shapiro-Wilk (NDs = DL/2)	0.943	0.945	Data Not Lognormal					
71				Lilliefors (NDs = DL/2)	0.151	0.131	Data Not Lognormal					
72				Shapiro-Wilk (Lognormal ROS Estimates)	0.965	0.945	Data Appear Lognormal					
73				Lilliefors (Lognormal ROS Estimates)	0.139	0.131	Data Not Lognormal					
74	**Note: Substitution methods such as DL or DL/2 are not recommended.**											