	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		7/30/2013 12:24:32 PM								
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	65	0	65	45	20	30.77%		
13												
14					Number	Minimum	Maximum	Mean	Median	SD		
15				Statistics (Non-Detects Only)	20	0.18	1.8	0.986	0.93	0.297		
16				Statistics (Detects Only)	45	0.2	3.41	1.852	2.038	0.837		
17				Statistics (All: NDs treated as DL value)	65	0.18	3.41	1.586	1.3	0.818		
18				Statistics (All: NDs treated as DL/2 value)	65	0.09	3.41	1.434	1.164	0.942		
19				Statistics (Normal ROS Imputed Data)	65	-0.654	3.41	1.428	1.164	0.966		
20				Statistics (Gamma ROS Imputed Data)	65	0.2	3.41	1.511	1.164	0.871		
21				Statistics (Lognormal ROS Imputed Data)	65	0.2	3.41	1.465	1.164	0.911		
22												
23					K hat	K Star	Theta hat	Log Mean	Log Stdv	Log CV		
24				Statistics (Detects Only)	3.351	3.143	0.553	0.46	0.654	1.423		
25				Statistics (NDs = DL)	3.157	3.021	0.502	0.294	0.642	2.18		
26				Statistics (NDs = DL/2)	1.94	1.86	0.739	0.0811	0.823	10.14		
27				Statistics (Gamma ROS Estimates)	2.674	2.561	0.565	--	--	--		
28				Statistics (Lognormal ROS Estimates)	--	--	--	0.149	0.733	4.918		
29												
30				Normal GOF Test Results								
31												
32					No NDs	NDs = DL	NDs = DL/2	lormal RO				
33				Correlation Coefficient R	0.986	0.976	0.957	0.995				
34												
35					Test value	Crit. (0.05)	Conclusion with Alpha(0.05)					
36				Shapiro-Wilk (Detects Only)	0.956	0.945	Data Appear Normal					
37				Lilliefors (Detects Only)	0.106	0.132	Data Appear Normal					
38				Shapiro-Wilk (NDs = DL)	N/A	N/A						
39				Lilliefors (NDs = DL)	0.158	0.11	Data Not Normal					
40				Shapiro-Wilk (NDs = DL/2)	N/A	N/A						
41				Lilliefors (NDs = DL/2)	0.155	0.11	Data Not Normal					
42				Shapiro-Wilk (Normal ROS Estimates)	N/A	N/A						
43				Lilliefors (Normal ROS Estimates)	0.116	0.11	Data Not Normal					
44												
45				Gamma GOF Test Results								
46												
47					No NDs	NDs = DL	NDs = DL/2	amma RO				
48				Correlation Coefficient R	0.936	0.966	0.942	0.96				
49												
50					Test value	Crit. (0.05)	Conclusion with Alpha(0.05)					
51				Anderson-Darling (Detects Only)	1.403	0.755						
52				Kolmogorov-Smirnov (Detects Only)	0.168	0.133	Data Not Gamma Distributed					
53				Anderson-Darling (NDs = DL)	1.056	0.757						
54				Kolmogorov-Smirnov (NDs = DL)	0.101	0.111	Detected Data appear Approximate Gamm					
55				Anderson-Darling (NDs = DL/2)	1.859	0.764						
56				Kolmogorov-Smirnov (NDs = DL/2)	0.14	0.112	Data Not Gamma Distributed					
57				nderson-Darling (Gamma ROS Estimates)	1.136	0.76						
58				Kolmogorov-Smirnov (Gamma ROS Est.)	0.125	0.112	Data Not 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	0.92	0.953	0.958	0.97				
64												
65					Test value	Crit. (0.05)	Conclusion with Alpha(0.05)					
66				Shapiro-Wilk (Detects Only)	0.846	0.945	Data Not Lognormal					
67				Lilliefors (Detects Only)	0.182	0.132	Data Not Lognormal					
68				Shapiro-Wilk (NDs = DL)	N/A	N/A						
69				Lilliefors (NDs = DL)	0.121	0.11	Data Not Lognormal					
70				Shapiro-Wilk (NDs = DL/2)	N/A	N/A						
71				Lilliefors (NDs = DL/2)	0.148	0.11	Data Not Lognormal					
72				Shapiro-Wilk (Lognormal ROS Estimates)	N/A	N/A						
73				Lilliefors (Lognormal ROS Estimates)	0.147	0.11	Data Not Lognormal					
74	**Note: Substitution methods such as DL or DL/2 are not recommended.**											