	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 10:34:43 AM								
4		From File		WorkSheet.xls								
5		Full Precision		OFF								
6		Confidence Coefficient		0.95								
7												
8												
9	Chlordane											
10												
11					Num Obs	Num Miss	Num Valid	Detects	NDs	% NDs		
12				Raw Statistics	66	0	66	32	34	51.52%		
13												
14					Number	Minimum	Maximum	Mean	Median	SD		
15				Statistics (Non-Detects Only)	34	0.0438	0.91	0.349	0.44	0.223		
16				Statistics (Detects Only)	32	0.117	0.825	0.445	0.415	0.17		
17				Statistics (All: NDs treated as DL value)	66	0.0438	0.91	0.396	0.427	0.204		
18				Statistics (All: NDs treated as DL/2 value)	66	0.0219	0.825	0.306	0.29	0.197		
19				Statistics (Normal ROS Imputed Data)	66	0.0291	0.825	0.304	0.285	0.197		
20				Statistics (Gamma ROS Imputed Data)	66	0.117	0.825	0.325	0.292	0.174		
21				Statistics (Lognormal ROS Imputed Data)	66	0.117	0.825	0.329	0.279	0.169		
22												
23					K hat	K Star	Theta hat	Log Mean	Log Stdv	Log CV		
24				Statistics (Detects Only)	6.224	5.661	0.0716	-0.891	0.44	-0.494		
25				Statistics (NDs = DL)	2.672	2.561	0.148	-1.125	0.73	-0.649		
26				Statistics (NDs = DL/2)	1.828	1.755	0.167	-1.482	0.902	-0.609		
27				Statistics (Gamma ROS Estimates)	3.758	3.597	0.0865	--	--	--		
28				Statistics (Lognormal ROS Estimates)	--	--	--	-1.232	0.486	-0.395		
29												
30				Normal GOF Test Results								
31												
32					No NDs	NDs = DL	NDs = DL/2	lormal RO				
33				Correlation Coefficient R	0.98	0.983	0.979	0.953				
34												
35					Test value	Crit. (0.05)	Conclusion with Alpha(0.05)					
36				Shapiro-Wilk (Detects Only)	0.956	0.93	Data Appear Normal					
37				Lilliefors (Detects Only)	0.134	0.157	Data Appear Normal					
38				Shapiro-Wilk (NDs = DL)	N/A	N/A						
39				Lilliefors (NDs = DL)	0.0969	0.109	Data Appear Normal					
40				Shapiro-Wilk (NDs = DL/2)	N/A	N/A						
41				Lilliefors (NDs = DL/2)	0.101	0.109	Data Appear Normal					
42				Shapiro-Wilk (Normal ROS Estimates)	N/A	N/A						
43				Lilliefors (Normal ROS Estimates)	0.0902	0.109	Data Appear Normal					
44												
45				Gamma GOF Test Results								
46												
47					No NDs	NDs = DL	NDs = DL/2	amma RO				
48				Correlation Coefficient R	0.98	0.955	0.977	0.99				
49												
50					Test value	Crit. (0.05)	Conclusion with Alpha(0.05)					
51				Anderson-Darling (Detects Only)	0.659	0.747						
52				Kolmogorov-Smirnov (Detects Only)	0.147	0.156	Detected Data Appear Gamma Distributed					
53				Anderson-Darling (NDs = DL)	2.398	0.759						
54				Kolmogorov-Smirnov (NDs = DL)	0.177	0.111	Data Not Gamma Distributed					
55				Anderson-Darling (NDs = DL/2)	1.117	0.765						
56				Kolmogorov-Smirnov (NDs = DL/2)	0.139	0.111	Data Not Gamma Distributed					
57				nderson-Darling (Gamma ROS Estimates)	0.822	0.756						
58				Kolmogorov-Smirnov (Gamma ROS Est.)	0.106	0.11	Detected Data appear Approximate Gamm					
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	0.954	0.931	0.95	0.982				
64												
65					Test value	Crit. (0.05)	Conclusion with Alpha(0.05)					
66				Shapiro-Wilk (Detects Only)	0.914	0.93	Data Not Lognormal					
67				Lilliefors (Detects Only)	0.175	0.157	Data Not Lognormal					
68				Shapiro-Wilk (NDs = DL)	N/A	N/A						
69				Lilliefors (NDs = DL)	0.214	0.109	Data Not Lognormal					
70				Shapiro-Wilk (NDs = DL/2)	N/A	N/A						
71				Lilliefors (NDs = DL/2)	0.192	0.109	Data Not Lognormal					
72				Shapiro-Wilk (Lognormal ROS Estimates)	N/A	N/A						
73				Lilliefors (Lognormal ROS Estimates)	0.101	0.109	Data Appear Lognormal					
74	**Note: Substitution methods such as DL or DL/2 are not recommended.**											