	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		8/29/2013 7:27:06 AM								
4		From File		WorkSheet.xls								
5		Full Precision		OFF								
6		Confidence Coefficient		0.95								
7												
8												
9	Mercury											
10												
11					Num Obs	Num Miss	Num Valid	Detects	NDs	% NDs		
12				Raw Statistics	61	0	61	52	9	14.75%		
13												
14					Number	Minimum	Maximum	Mean	Median	SD		
15				Statistics (Non-Detects Only)	9	0.02	0.04	0.0267	0.02	0.00866		
16				Statistics (Detects Only)	52	0.009	0.061	0.0333	0.034	0.0118		
17				Statistics (All: NDs treated as DL value)	61	0.009	0.061	0.0323	0.032	0.0116		
18				Statistics (All: NDs treated as DL/2 value)	61	0.009	0.061	0.0304	0.03	0.0131		
19				Statistics (Normal ROS Imputed Data)	61	0.00621	0.061	0.031	0.0317	0.0126		
20				Statistics (Gamma ROS Imputed Data)	61	0.009	0.061	0.0312	0.0305	0.0122		
21				Statistics (Lognormal ROS Imputed Data)	61	0.009	0.061	0.0312	0.03	0.0121		
22												
23					K hat	K Star	Theta hat	Log Mean	Log Stdv	Log CV		
24				Statistics (Detects Only)	7.484	7.065	0.00445	-3.47	0.389	-0.112		
25				Statistics (NDs = DL)	7.558	7.197	0.00428	-3.499	0.383	-0.109		
26				Statistics (NDs = DL/2)	4.827	4.601	0.00629	-3.601	0.493	-0.137		
27				Statistics (Gamma ROS Estimates)	6.367	6.065	0.00491	--	--	--		
28				Statistics (Lognormal ROS Estimates)	--	--	--	-3.545	0.413	-0.117		
29												
30				Normal GOF Test Results								
31												
32					No NDs	NDs = DL	NDs = DL/2	lormal RO				
33				Correlation Coefficient R	0.993	0.987	0.989	0.675				
34												
35					Test value	Crit. (0.05)	Conclusion with Alpha(0.05)					
36				Lilliefors (Detects Only)	0.0657	0.123	Data Appear Normal					
37				Lilliefors (NDs = DL)	0.0862	0.113	Data Appear Normal					
38				Lilliefors (NDs = DL/2)	0.0806	0.113	Data Appear Normal					
39				Lilliefors (Normal ROS Estimates)	0.0721	0.113	Data Appear Normal					
40												
41				Gamma GOF Test Results								
42												
43					No NDs	NDs = DL	NDs = DL/2	amma RO				
44				Correlation Coefficient R	0.993	0.992	0.986	0.994				
45												
46					Test value	Crit. (0.05)	Conclusion with Alpha(0.05)					
47				Anderson-Darling (Detects Only)	0.233	0.752						
48				Kolmogorov-Smirnov (Detects Only)	0.0893	0.123	Detected Data Appear Gamma Distributed					
49				Anderson-Darling (NDs = DL)	0.419	0.752						
50				Kolmogorov-Smirnov (NDs = DL)	0.0934	0.114	Data Appear Gamma Distributed					
51				Anderson-Darling (NDs = DL/2)	0.562	0.753						
52				Kolmogorov-Smirnov (NDs = DL/2)	0.0991	0.114	Data Appear Gamma Distributed					
53				nderson-Darling (Gamma ROS Estimates)	0.239	0.753						
54				Kolmogorov-Smirnov (Gamma ROS Est.)	0.0787	0.114	Data Appear Gamma Distributed					
55												
56				Lognormal GOF Test Results								
57												
58					No NDs	NDs = DL	NDs = DL/2	Log ROS				
59				Correlation Coefficient R	0.982	0.984	0.975	0.991				
60												
61					Test value	Crit. (0.05)	Conclusion with Alpha(0.05)					
62				Lilliefors (Detects Only)	0.109	0.123	Data Appear Lognormal					

	A	B	C	D	E	F	G	H	I	J	K	L
63				Lilliefors (NDs = DL)	0.0985	0.113	Data Appear Lognormal					
64				Lilliefors (NDs = DL/2)	0.118	0.113	Data Not Lognormal					
65				Lilliefors (Lognormal ROS Estimates)	0.0967	0.113	Data Appear Lognormal					
66	**Note: Substitution methods such as DL or DL/2 are not recommended.**											