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Obs	conc	total	mortos	mort	lconc
1	0.5	9	1	0.11111	-0.30103
2	0.5	9	0	0.00000	-0.30103
3	0.5	9	1	0.11111	-0.30103
4	0.5	9	0	0.00000	-0.30103
5	1.0	9	2	0.22222	0.00000
6	1.0	9	1	0.11111	0.00000
7	1.0	9	2	0.22222	0.00000
8	1.0	9	1	0.11111	0.00000
9	2.5	9	4	0.44444	0.39794
10	2.5	9	4	0.44444	0.39794
11	2.5	9	3	0.33333	0.39794
12	2.5	9	3	0.33333	0.39794
13	5.0	9	5	0.55556	0.69897
14	5.0	9	5	0.55556	0.69897
15	5.0	9	5	0.55556	0.69897
16	5.0	9	6	0.66667	0.69897
17	10.0	9	7	0.77778	1.00000
18	10.0	9	7	0.77778	1.00000
19	10.0	9	7	0.77778	1.00000
20	10.0	9	7	0.77778	1.00000
21	25.0	9	8	0.88889	1.39794
22	25.0	9	8	0.88889	1.39794
23	25.0	9	8	0.88889	1.39794
24	25.0	9	7	0.77778	1.39794
25	50.0	9	9	1.00000	1.69897
26	50.0	9	9	1.00000	1.69897
27	50.0	9	9	1.00000	1.69897
28	50.0	9	8	0.88889	1.69897

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The Probit Procedure

Iteration History for Parameter Estimates				
Iter	Ridge	Loglikelihood	Intercept	Log10(conc)
0	0	-174.67309	0	0
1	0	-114.6396	-0.733301587	1.2056567454
2	0	-111.25481	-0.941448946	1.5782609686
3	0	-111.20451	-0.968817264	1.6305930829
4	0	-111.20449	-0.969316925	1.6315839863
5	0	-111.20449	-0.969316925	1.6315839863

Model Information	
Data Set	WORK.UM
Events Variable	mortos
Trials Variable	total
Number of Observations	28
Number of Events	137
Number of Trials	252
Name of Distribution	Normal
Log Likelihood	-111.2044918

Number of Observations Read	28
Number of Observations Used	28
Number of Events	137
Number of Trials	252

Parameter Information	
Parameter	Effect
Intercept	Intercept
conc	conc

Last Evaluation of the Negative of the Gradient	
Intercept	Log10(conc)
-5.57714E-6	-0.000015374

Last Evaluation of the Negative of the Hessian		
	Intercept	Log10(conc)
Intercept	108.99198086	69.414370219
Log10(conc)	69.414370219	77.7325971

Algorithm converged.

Goodness-of-Fit Tests				
Statistic	Value	DF	Value/DF	Pr > ChiSq
Pearson Chi-Square	7.9515	26	0.3058	0.9997
L.R. Chi-Square	9.2359	26	0.3552	0.9990

Note: Since the Pearson Chi-Square is small (p > 0.1000), fiducial limits will be calculated using a z value of 1.96.

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The Probit Procedure

Response-Covariate Profile	
Response Levels	2
Number of Covariate Values	28

Type III Analysis of Effects			
Effect	DF	Wald Chi-Square	Pr > ChiSq
Log10(conc)	1	89.2438	<.0001

Analysis of Maximum Likelihood Parameter Estimates							
Parameter	DF	Estimate	Standard Error	95% Confidence Limits		Chi-Square	Pr > ChiSq
Intercept	1	-0.9693	0.1459	-1.2552	-0.6834	44.17	<.0001
Log10(conc)	1	1.6316	0.1727	1.2931	1.9701	89.24	<.0001
_C_	0	0.0000	0.0000	0.0000	0.0000		

Estimated Covariance Matrix		
	Intercept	Log10(conc)
Intercept	0.021274	-0.018997
Log10(conc)	-0.018997	0.029829

Probit Model in Terms of Tolerance Distribution	
MU	SIGMA
0.59409564	0.61290133

Estimated Covariance Matrix for Tolerance Parameters		
	MU	SIGMA
MU	0.003467	-0.000294
SIGMA	-0.000294	0.004209

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The Probit Procedure

Probit Analysis on Log10(conc)			
Probability	**Log10(conc)**	**95% Fiducial Limits**	
0.01	-0.83173	-1.23722	-0.55835
0.02	-0.66465	-1.02890	-0.41748
0.03	-0.55865	-0.89706	-0.32779
0.04	-0.47890	-0.79808	-0.26010
0.05	-0.41404	-0.71772	-0.20490
0.06	-0.35883	-0.64945	-0.15778
0.07	-0.31042	-0.58970	-0.11635
0.08	-0.26707	-0.53630	-0.07917
0.09	-0.22765	-0.48783	-0.04526
0.10	-0.19137	-0.44329	-0.01396
0.15	-0.04114	-0.25990	0.11663
0.20	0.07826	-0.11569	0.22197
0.25	0.18070	0.00650	0.31386
0.30	0.27269	0.11464	0.39798
0.35	0.35793	0.21312	0.47765
0.40	0.43882	0.30469	0.55513
0.45	0.51708	0.39123	0.63215
0.50	0.59410	0.47418	0.71016
0.55	0.67111	0.55480	0.79051
0.60	0.74937	0.63431	0.87456
0.65	0.83026	0.71408	0.96383
0.70	0.91550	0.79581	1.06026
0.75	1.00749	0.88171	1.16661
0.80	1.10993	0.97515	1.28726
0.85	1.22933	1.08181	1.43014
0.90	1.37956	1.21356	1.61237
0.91	1.41585	1.24508	1.65669
0.92	1.45527	1.27920	1.70496
0.93	1.49861	1.31660	1.75814
0.94	1.54702	1.35824	1.81768
0.95	1.60223	1.40557	1.88573
0.96	1.66709	1.46100	1.96587
0.97	1.74684	1.52891	2.06462
0.98	1.85284	1.61886	2.19621
0.99	2.01992	1.76003	2.40422

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The Probit Procedure

Probit Analysis on conc			
Probability	conc	95% Fiducial Limits	
0.01	0.14732	0.05791	0.27647
0.02	0.21645	0.09356	0.38240
0.03	0.27628	0.12675	0.47013
0.04	0.33197	0.15919	0.54941
0.05	0.38545	0.19155	0.62388
0.06	0.43770	0.22415	0.69538
0.07	0.48931	0.25721	0.76497
0.08	0.54066	0.29087	0.83336
0.09	0.59203	0.32522	0.90104
0.10	0.64362	0.36034	0.96836
0.15	0.90963	0.54967	1.30807
0.20	1.19747	0.76614	1.66712
0.25	1.51600	1.01509	2.05996
0.30	1.87366	1.30209	2.50021
0.35	2.27999	1.63352	3.00362
0.40	2.74675	2.01694	3.59027
0.45	3.28910	2.46168	4.28693
0.50	3.92731	2.97977	5.13051
0.55	4.68936	3.58753	6.17322
0.60	5.61529	4.30831	7.49132
0.65	6.76486	5.17708	9.20090
0.70	8.23193	6.24893	11.48849
0.75	10.17399	7.61576	14.67610
0.80	12.88031	9.44382	19.37588
0.85	16.95614	12.07286	26.92413
0.90	23.96405	16.35171	40.96100
0.91	26.05231	17.58233	45.36212
0.92	28.52764	19.01954	50.69385
0.93	31.52172	20.73005	57.29839
0.94	35.23858	22.81585	65.71704
0.95	40.01553	25.44312	76.86550
0.96	46.46153	28.90675	92.44161
0.97	55.82600	33.79956	116.04214
0.98	71.25922	41.57761	157.11317
0.99	104.69293	57.54839	253.64244

NOTE: The above quantiles and fiducial limits refer to effects due to the independent variable and do not include any effect due to the natural threshold.

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The REG Procedure

Model: MODEL1

Dependent Variable: mort

Number of Observations Read	28
Number of Observations Used	28

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	1	2.92273	2.92273	619.40	<.0001
Error	26	0.12269	0.00472		
Corrected Total	27	3.04541			

Root MSE	0.06869	**R-Square**	0.9597
Dependent Mean	0.54365	**Adj R-Sq**	0.9582
Coeff Var	12.63541		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	0.20745	0.01874	11.07	<.0001
lconc	1	0.48099	0.01933	24.89	<.0001