Appendix H

Stressor-Response Relationships

APPENDIX H

Stressor-Response Relationships

This appendix contains the results of the regression analyses conducted for amphipod exposure to sediment and bivalve exposure to pore water. The results are presented in the following order:

1. Table H-1, Summary of confidence intervals on LC_{50}s and LC_{20}s[a] for chemical concentrations in sediment.
2. Scatterplots of chemical concentrations in sediments (untransformed) versus amphipod survival (numbers of individuals).
3. Scatterplots of chemical concentrations in sediments (natural-log transformed) versus amphipod survival (numbers of individuals).
4. Scatterplots of chemical concentrations in pore water (untransformed) versus *Mytilus* development (arcsine square root proportion of normal individuals).
5. Scatterplots of chemical concentrations in pore water (natural log transformed) versus *Mytilus* development (arcsine square root proportion of normal individuals).
6. Regression results and scatterplots of untransformed chemical concentrations in sediment and pore water.
7. Regression results and scatterplots of natural log transformed chemical concentrations in sediment and pore water.
8. Results of principal components analysis of chemical concentrations in sediment.

TABLE H-1

Summary of Confidence Intervals on LC_{50}s and LC_{20}s[a] for Chemical Concentrations in Sediment

Bolsa Chica Lowlands

Analyte	N	Slope	Intercept	p (model)	r-square	Sediment LC_{50}	5%LCL	95% UCL	Sediment LC_{20}	5%LCL	95% UCL	Units	Independent Variable Type for Best Fit
Chrysene	55	-0.01184	19.0193	0.0001	0.9394	761.77	565.43	961.92	255.01	59.73	450.63	µg/Kg	Untransformed
Phenanthrene	80	-3.4731	29.1244	0.0001	0.8864	246.27	57.38	1059.09	43.77	10.08	187.40	µg/Kg	natural-log transformed
Low MW PAHs	85	-3.1239	28.1928	0.0001	0.8306	338.24	46.14	2480.56	49.55	6.63	360.86	µg/Kg	natural-log transformed
Total PAHs	90	-3.0719	31.5187	0.0001	0.7725	1102.14	131.41	9446.20	156.31	18.33	1313.51	µg/Kg	natural-log transformed
Endrin ketone	25	-3.17168	8.8621	0.0001	0.7347	0.70	0.09	4.54	0.11	0.01	0.71	µg/Kg	natural-log transformed
TPH Diesel and Waste oil	100	-3.33	59.9	0.0001	0.67	3275.00	342.31	31421.08	539.00	54.56	5099.97	mg/Kg	natural-log transformed
Aldrin	20	-2.87045	16.6349	0.0001	0.6685	2.31	-0.63	5.31	0.22	-2.97	3.09	µg/Kg	Untransformed
Chromium	140	-0.10422	21.4632	0.0001	0.5859	109.99	50.77	170.97	52.42	-7.18	112.13	mg/Kg	Untransformed
Endrin aldehyde	30	-0.72675	17.4616	0.0001	0.5689	10.27	1.56	19.85	2.01	-7.31	10.80	µg/Kg	Untransformed
Nickel	195	-5.5113	32.3869	0.0001	0.4906	58.09	15.37	225.39	19.56	5.11	74.34	mg/Kg	natural-log transformed
TPH Diesel	110	-2.4159	41.3048	0.0001	0.4842	424.14	9.03	19894.07	35.39	0.69	1585.95	mg/Kg	natural-log transformed
Thallium	130	-25.1361	24.5455	0.0001	0.4525	0.58	0.36	0.81	0.34	0.12	0.56	mg/Kg	Untransformed
Fluorene	45	-1.954	14.4634	0.0001	0.4339	9.82	0.13	354.13	0.46	0.00	18.44	µg/Kg	natural-log transformed
Di-n-octyl phthalate	115	-3.31421	29.0906	0.0001	0.3817	317.42	17.37	6115.02	51.93	2.62	935.22	µg/Kg	natural-log transformed
BHC beta	40	-0.10518	14.0446	0.0001	0.3579	38.45	-63.64	146.08	-18.59	-130.56	81.23	µg/Kg	Untransformed
Waste oil	245	-2.52829	47.7264	0.0001	0.3508	3022.84	69.85	136715.32	281.69	6.18	12139.28	mg/Kg	natural-log transformed
Cobalt	150	-0.52383	21.2516	0.0001	0.3212	21.48	12.71	31.35	10.03	1.21	19.01	mg/Kg	Untransformed
Zinc	155	-4.0308	34.7057	0.0001	0.2941	459.08	63.15	3815.34	103.62	13.68	785.16	mg/Kg	natural-log transformed
Endrin	30	-2.56057	15.007	0.0034	0.2681	7.07	0.05	1279.55	0.68	0.00	61.04	µg/Kg	natural-log transformed
Beryllium	180	-3.44505	15.1249	0.0001	0.2554	4.43	0.60	38.32	0.78	0.10	6.00	mg/Kg	natural-log transformed
Benzo(b)fluoranthene	30	-1.4756	21.995	0.006	0.2402	3391.06	128.10	7062309.60	58.13	1.42	3603.27	µg/Kg	natural-log transformed
Selenium	115	-3.397	11.6983	0.0001	0.2352	1.65	0.13	26.85	0.28	0.02	3.77	mg/Kg	natural-log transformed
Vanadium	180	-0.0863	21.6369	0.0001	0.2185	134.84	38.70	238.22	65.32	-33.66	163.44	mg/Kg	Untransformed
Oil and Grease	235	-1.8141	26.606	0.0001	0.2153	9450.76	25.70	3958304.78	346.00	0.81	125690.96	mg/Kg	natural-log transformed

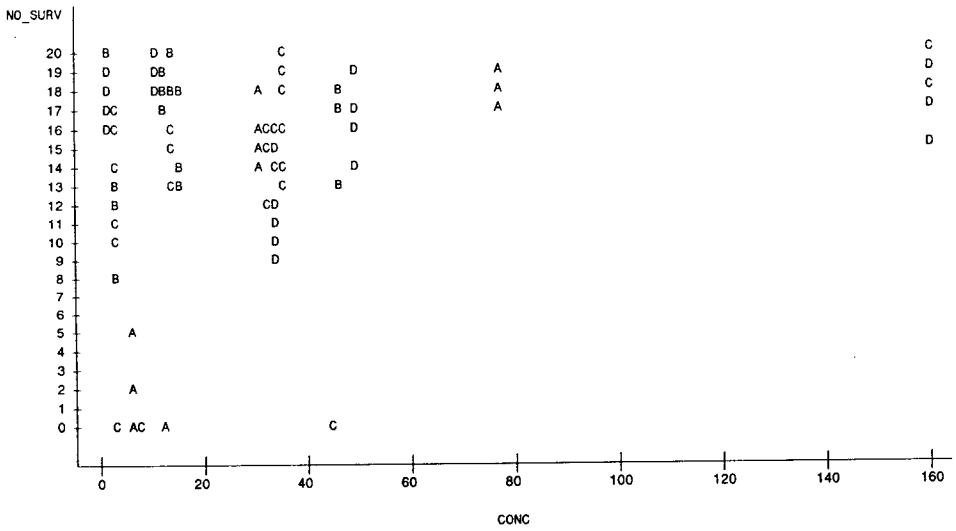
Note:

[a]LC_{50}s and LC_{20}s calculated from the best-fit univariate regression of amphipod survival (number of individuals) on chemical concentrations in sediment.

Models are based on all four media adjustment groups pooled.

---------- ANALYTE=44DDD ----------

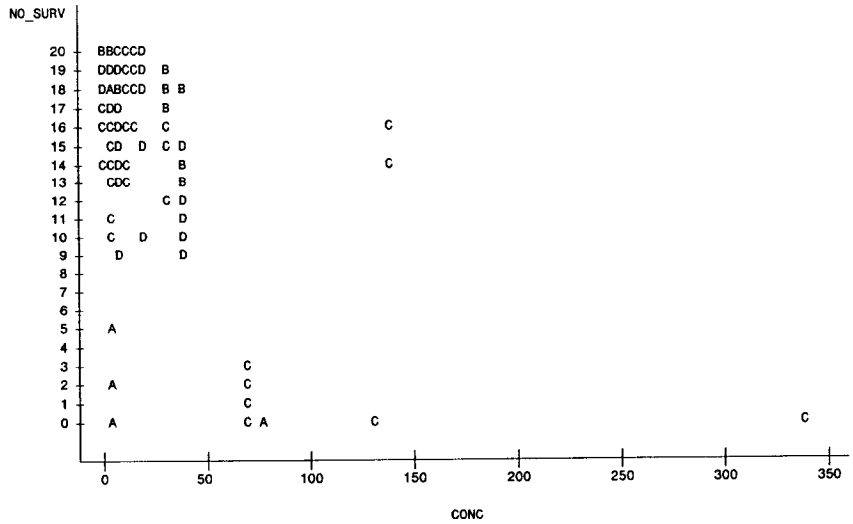
Plot of NO_SURV*CONC. Symbol is value of GROUP.



NOTE: 71 obs hidden.

---------- ANALYTE=44DDE ----------

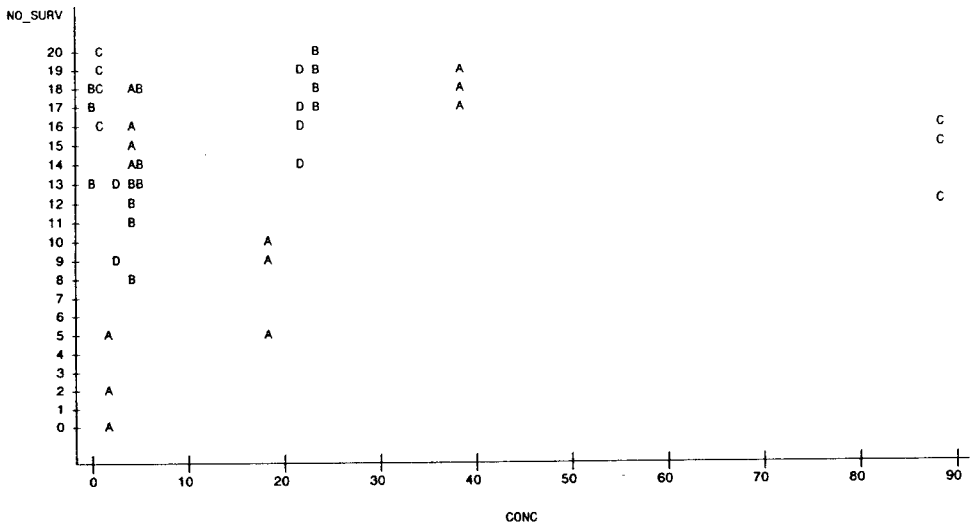
Plot of NO_SURV*CONC. Symbol is value of GROUP.



NOTE: 104 obs hidden.

---------- ANALYTE=44DDT ----------

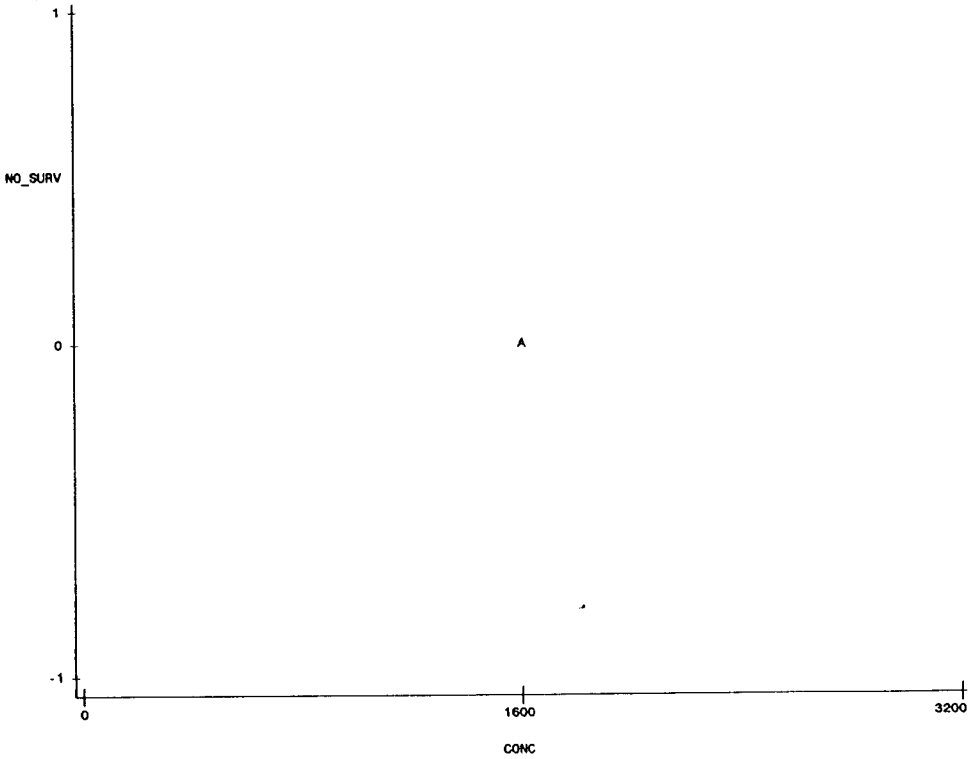
Plot of NO_SURV*CONC. Symbol is value of GROUP.



NOTE: 35 obs hidden.

---------- ANALYTE=4Methylp ----------

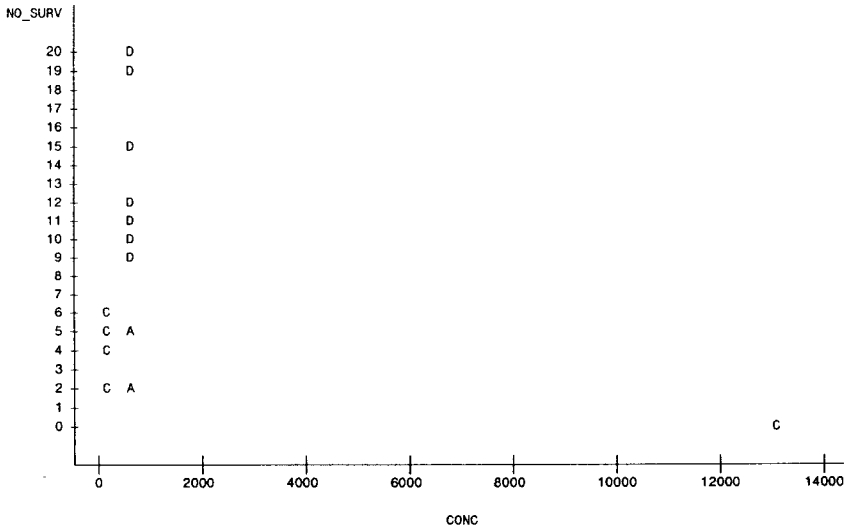
Plot of NO_SURV*CONC. Symbol is value of GROUP.



NOTE: 4 obs hidden.

---------- ANALYTE=4Nitroph ----------

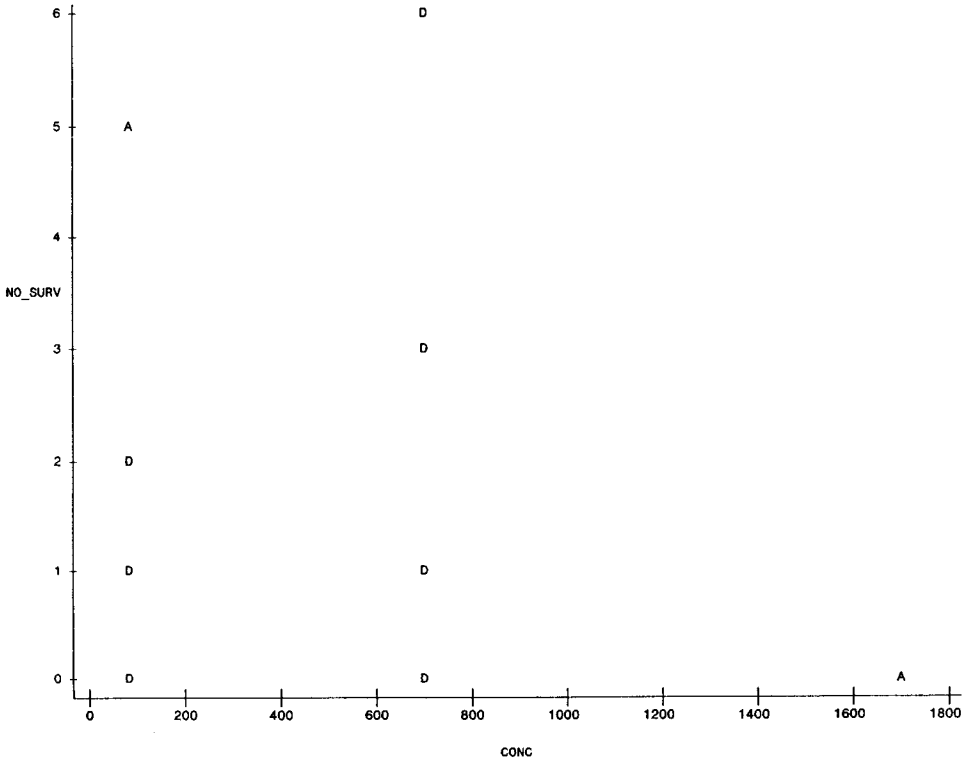
Plot of NO_SURV*CONC. Symbol is value of GROUP.



NOTE: 11 obs hidden.

---------- ANALYTE=Acenapht ----------

Plot of NO_SURV*CONC. Symbol is value of GROUP.

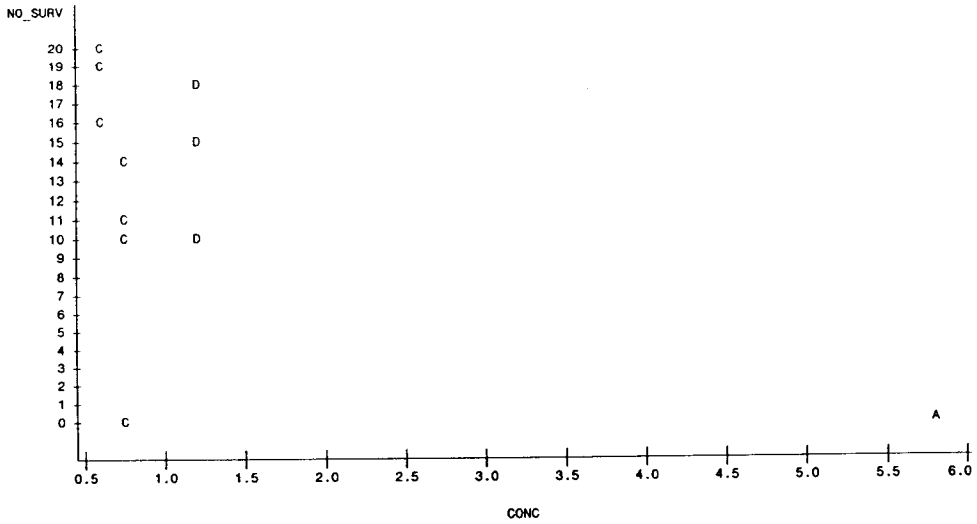


NOTE: 11 obs hidden.

Plot of revised data for amphipod survival- untransformed data
a= d+y, b= d+n, c= w+y, d= w+n 13:40 Tuesday, October 26, 1999

---------- ANALYTE=Aldrin ----------

Plot of NO_SURV*CONC. Symbol is value of GROUP.

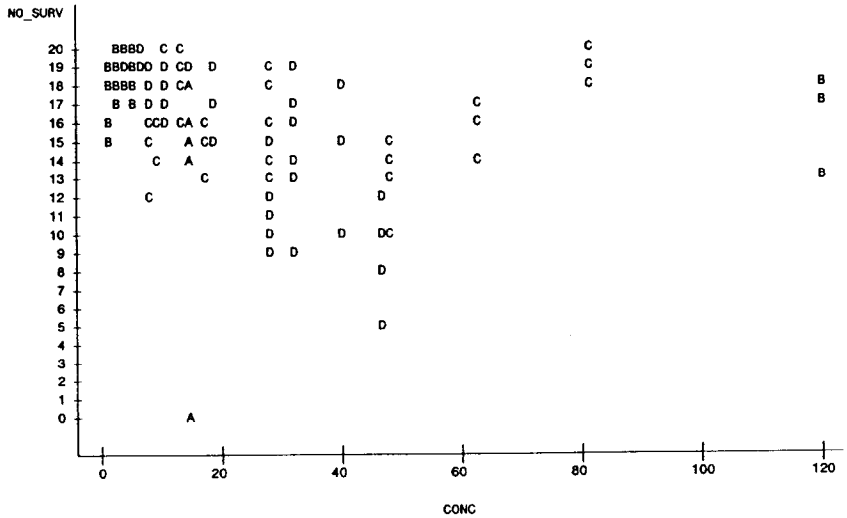


NOTE: 9 obs hidden.

Plot of revised data for amphipod survival- untransformed data
a= d+y, b= d+n, c= w+y, d= w+n 13:40 Tuesday, October 26, 1999

---------- ANALYTE=Arsenic ----------

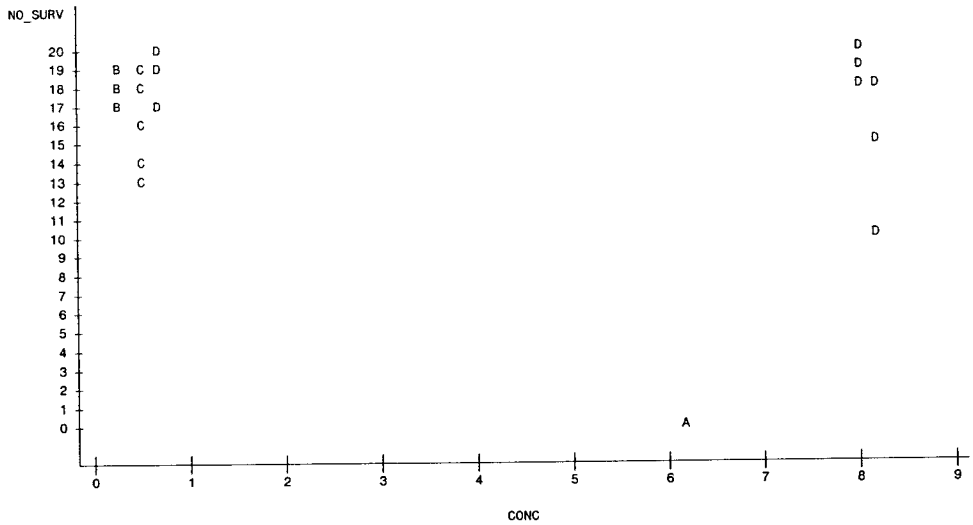
Plot of NO_SURV*CONC. Symbol is value of GROUP.



NOTE: 98 obs hidden.

---------- ANALYTE=BHCalpha ----------

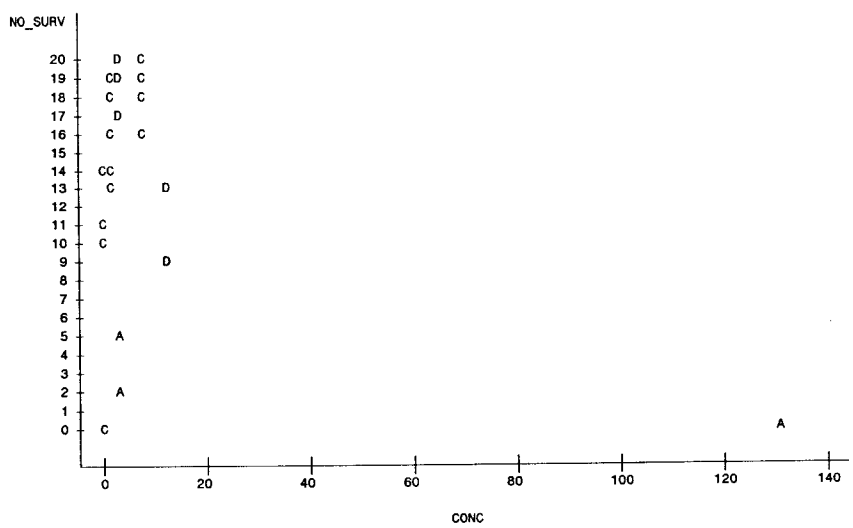
Plot of NO_SURV*CONC. Symbol is value of GROUP.



NOTE: 12 obs hidden.

---------- ANALYTE=BHCbeta ----------

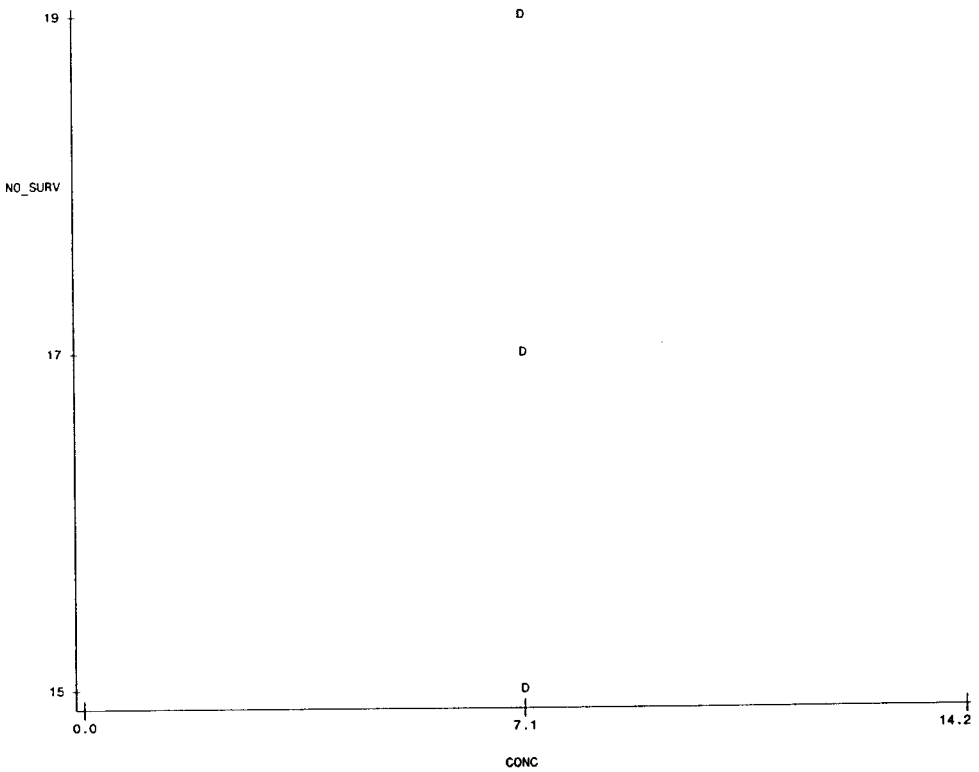
Plot of NO_SURV*CONC. Symbol is value of GROUP.



NOTE: 19 obs hidden.

---------- ANALYTE=BHCdelta ----------

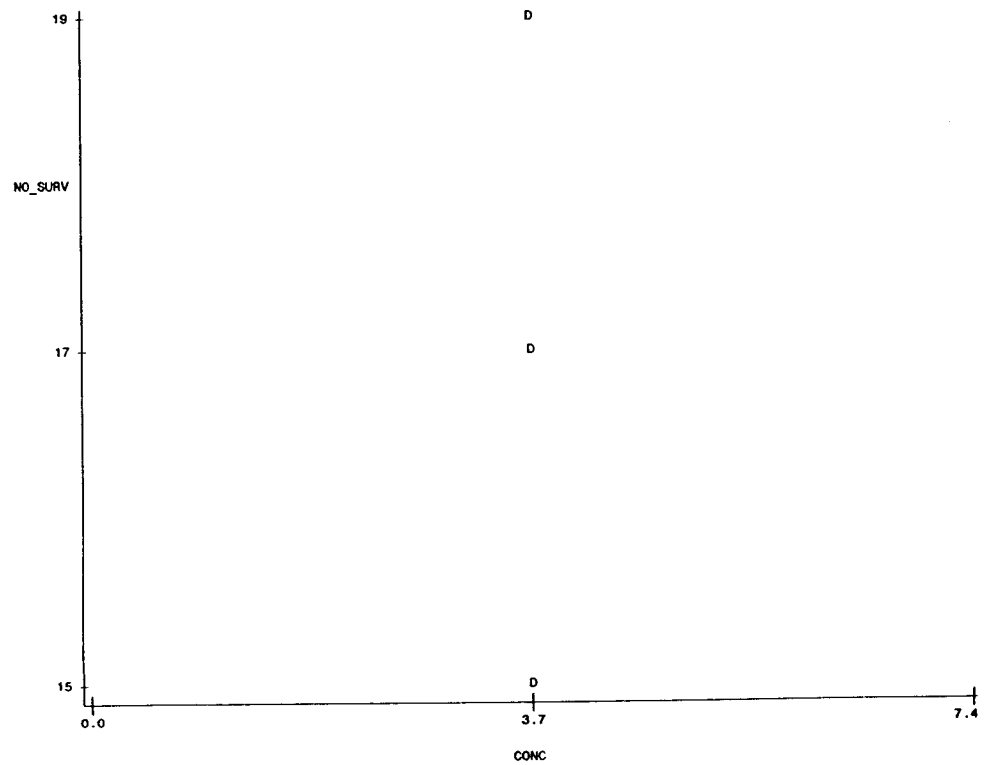
Plot of NO_SURV*CONC. Symbol is value of GROUP.



NOTE: 2 obs hidden.

---------- ANALYTE=BHCgamma ----------

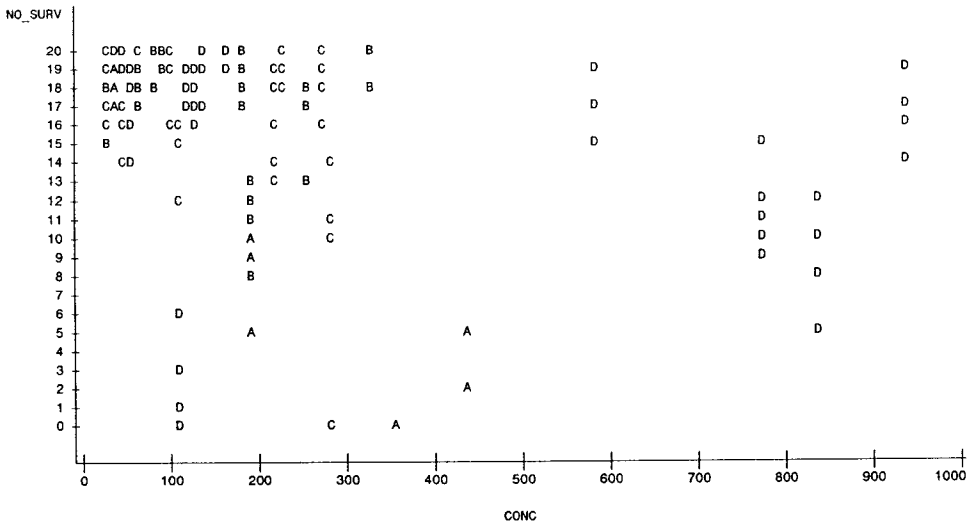
Plot of NO_SURV*CONC. Symbol is value of GROUP.



NOTE: 2 obs hidden.

---------- ANALYTE=Barium ----------

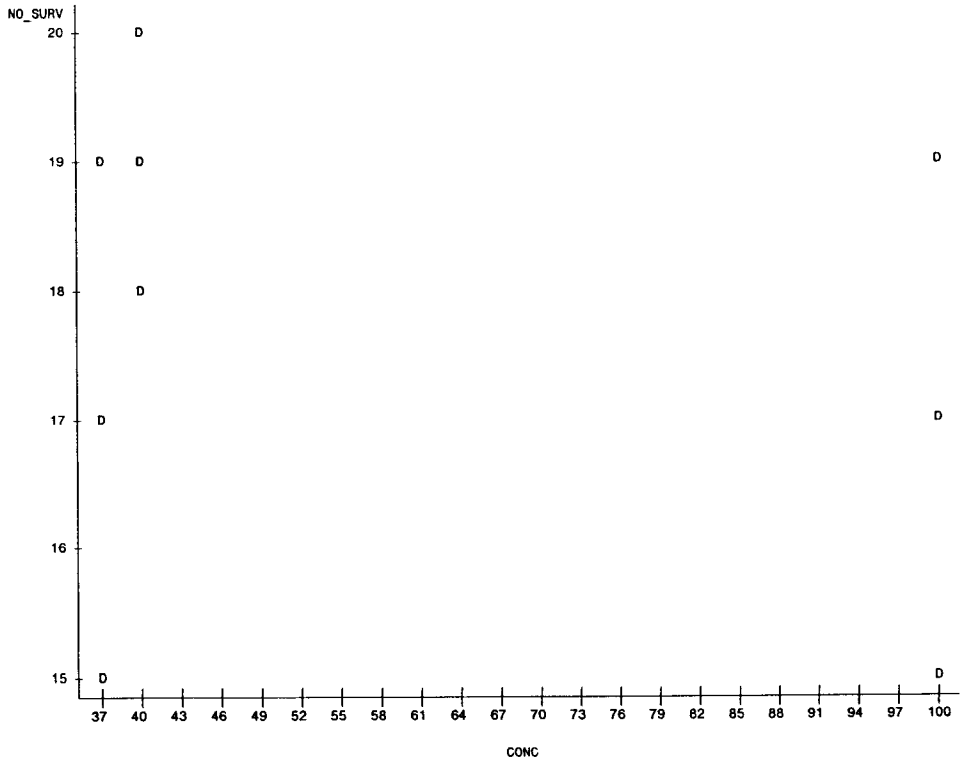
Plot of NO_SURV*CONC. Symbol is value of GROUP.



NOTE: 75 obs hidden.

---------- ANALYTE=Benzo(a) ----------

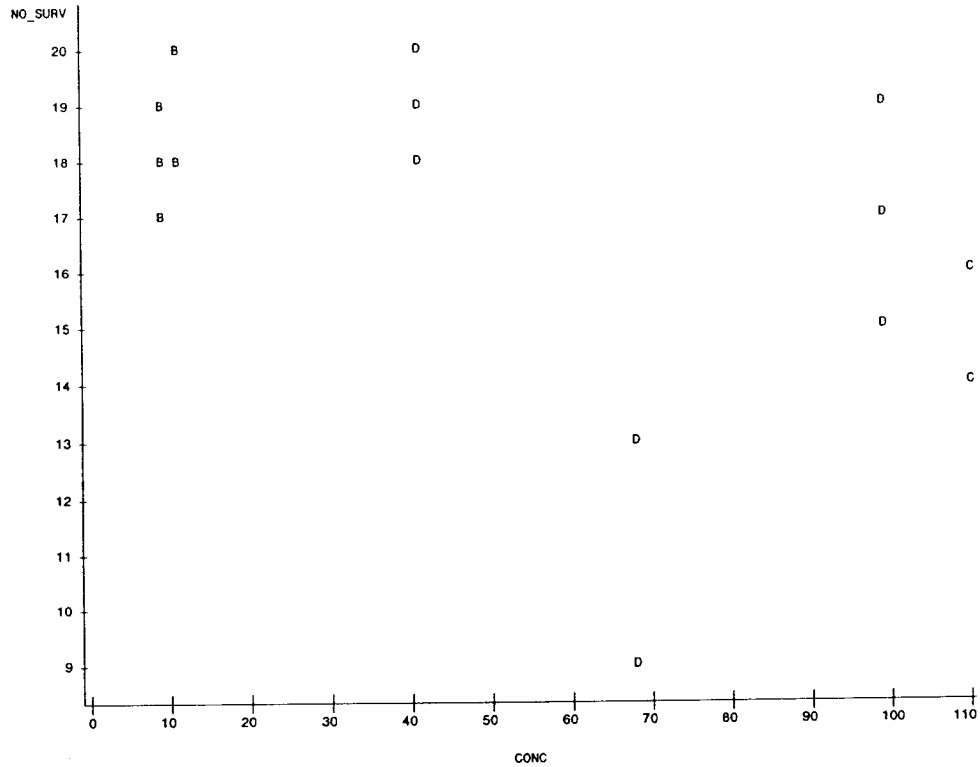
Plot of NO_SURV*CONC. Symbol is value of GROUP.



NOTE: 11 obs hidden.

---------- ANALYTE=Benzo(b) ----------

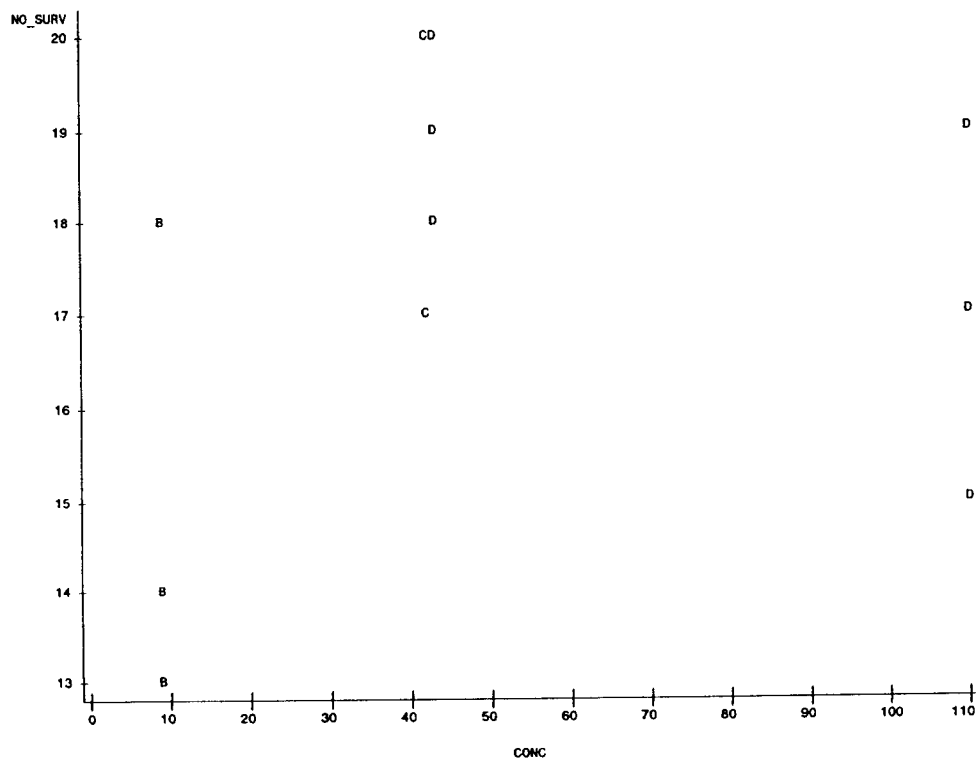
Plot of NO_SURV*CONC. Symbol is value of GROUP.



NOTE: 15 obs hidden.

---------- ANALYTE=Benzo(e) ----------

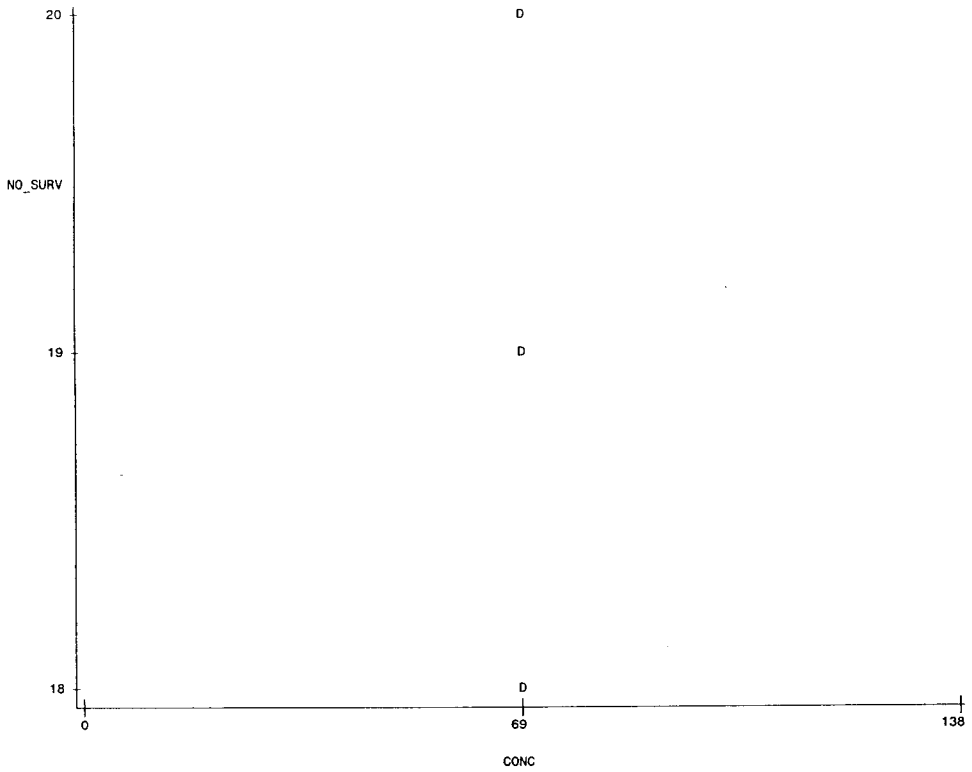
Plot of NO_SURV*CONC. Symbol is value of GROUP.



NOTE: 9 obs hidden.

---------- ANALYTE=Benzo(gh ----------

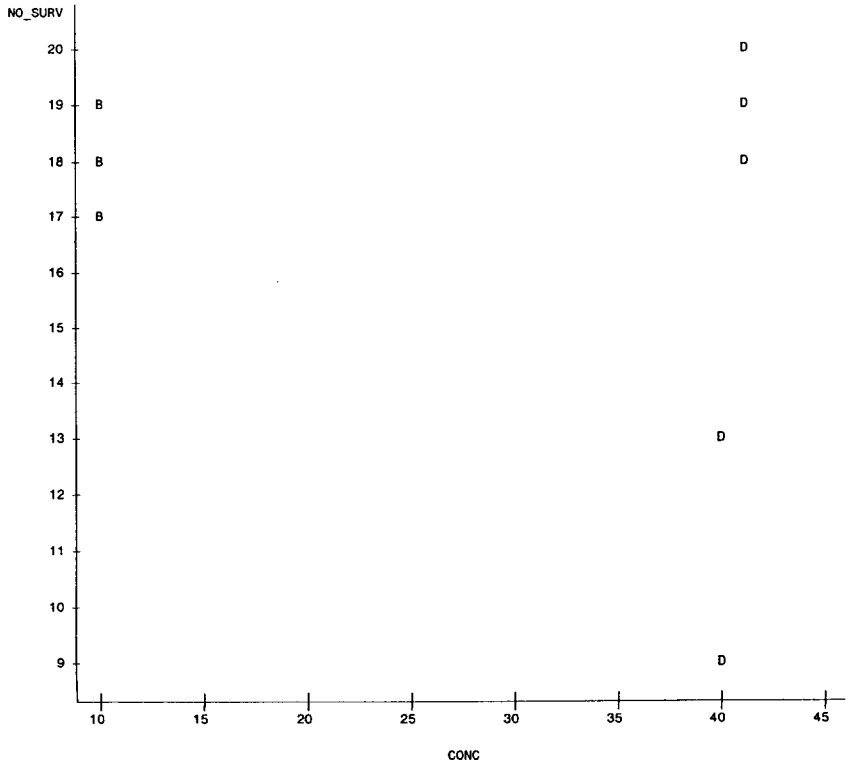
Plot of NO_SURV*CONC. Symbol is value of GROUP.



NOTE: 2 obs hidden.

---------- ANALYTE=Benzo(k) ----------

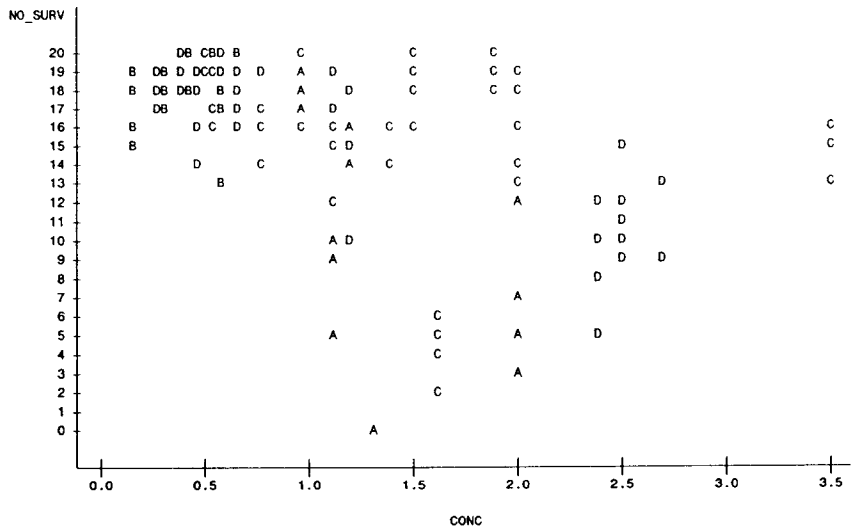
Plot of NO_SURV*CONC. Symbol is value of GROUP.



NOTE: 7 obs hidden.

---------- ANALYTE=Berylliu ----------

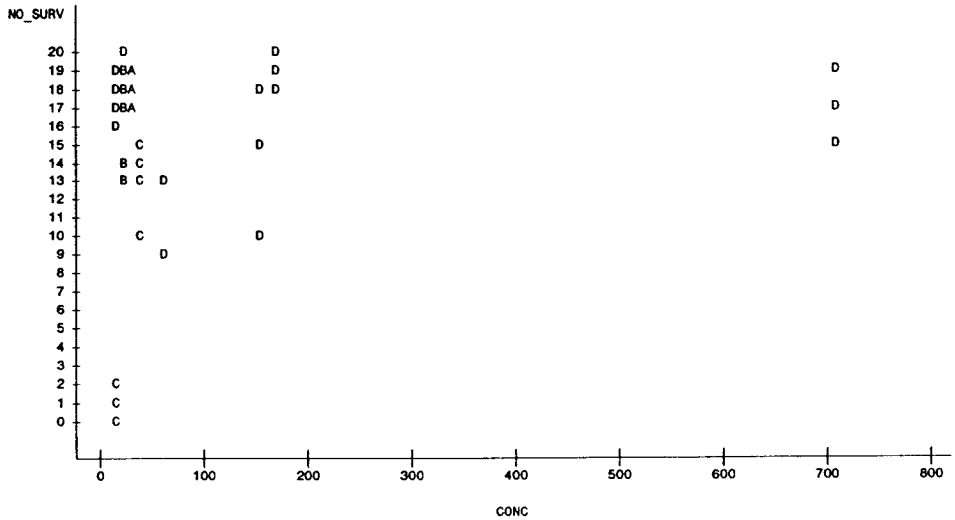
Plot of NO_SURV*CONC. Symbol is value of GROUP.



NOTE: 86 obs hidden.

---------- ANALYTE=Butylben ----------

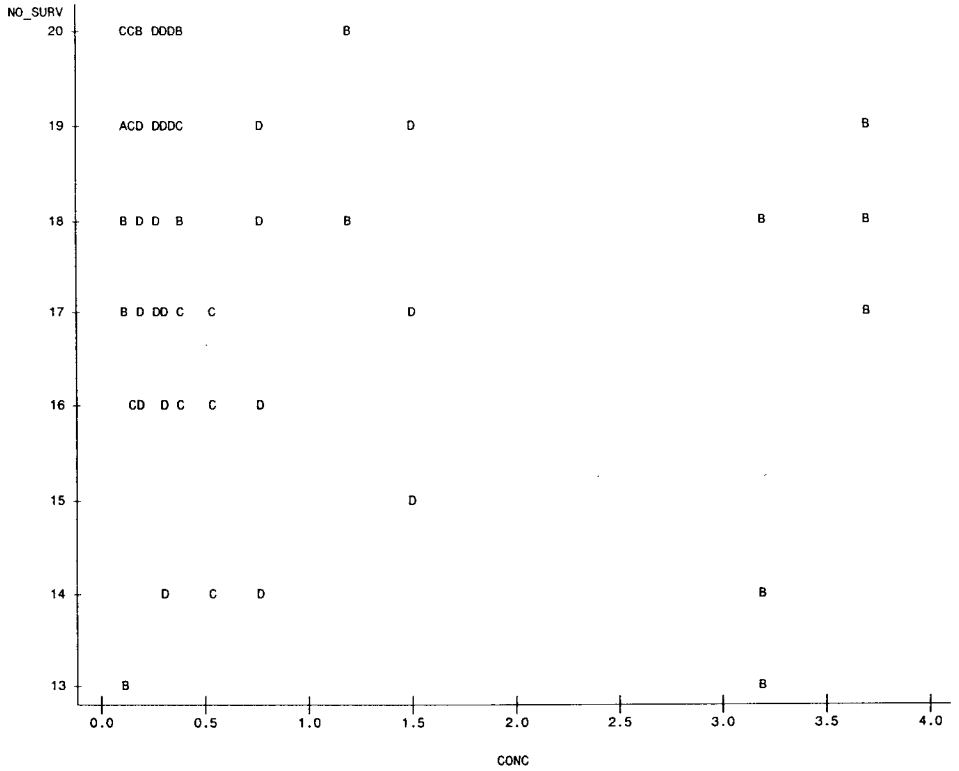
Plot of NO_SURV*CONC. Symbol is value of GROUP.



NOTE: 24 obs hidden.

---------- ANALYTE=Cadmium ----------

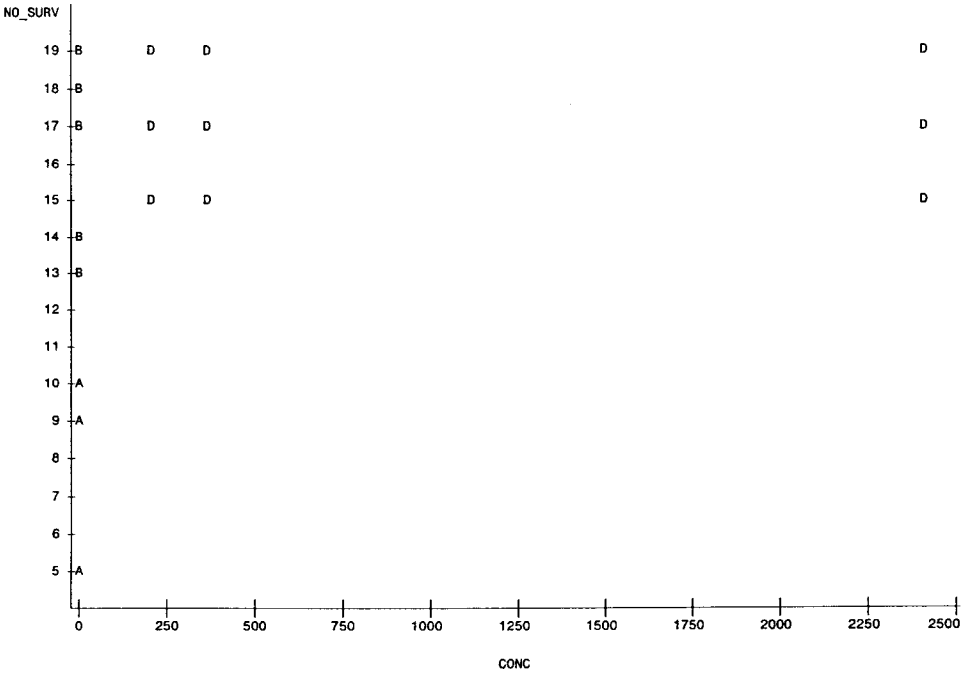
Plot of NO_SURV*CONC. Symbol is value of GROUP.



NOTE: 63 obs hidden.

---------- ANALYTE=Chlordan ----------

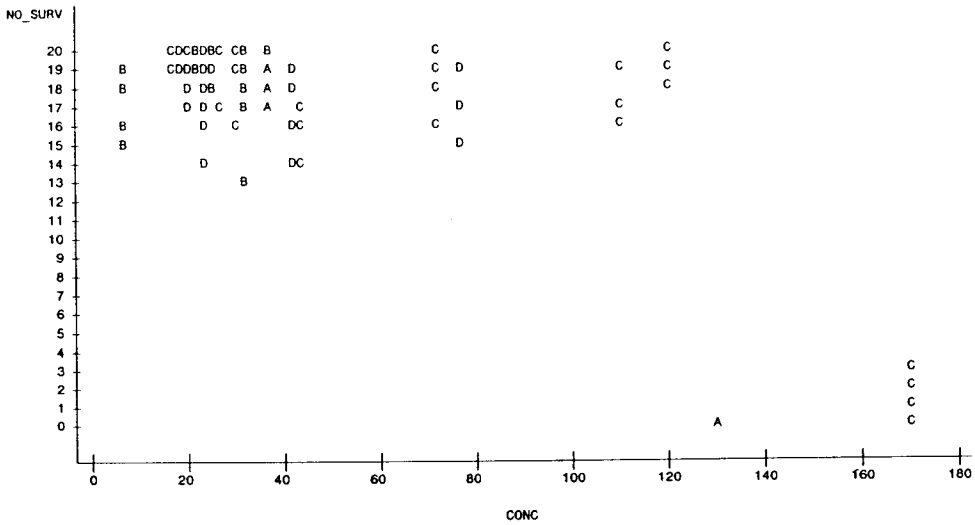
Plot of NO_SURV*CONC. Symbol is value of GROUP.



NOTE: 18 obs hidden.

---------- ANALYTE=Chromium ----------

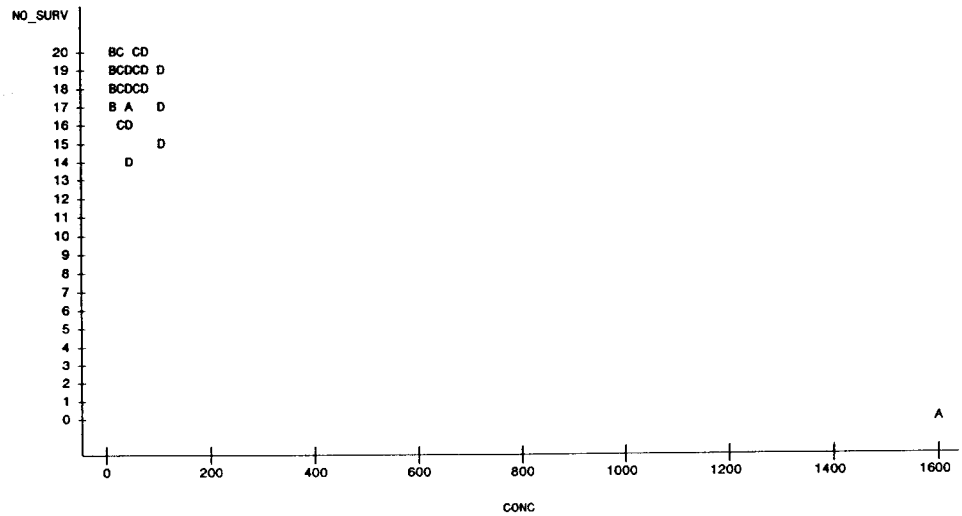
Plot of NO_SURV*CONC. Symbol is value of GROUP.



NOTE: 78 obs hidden.

---------- ANALYTE=Chrysene ----------

Plot of NO_SURV*CONC. Symbol is value of GROUP.

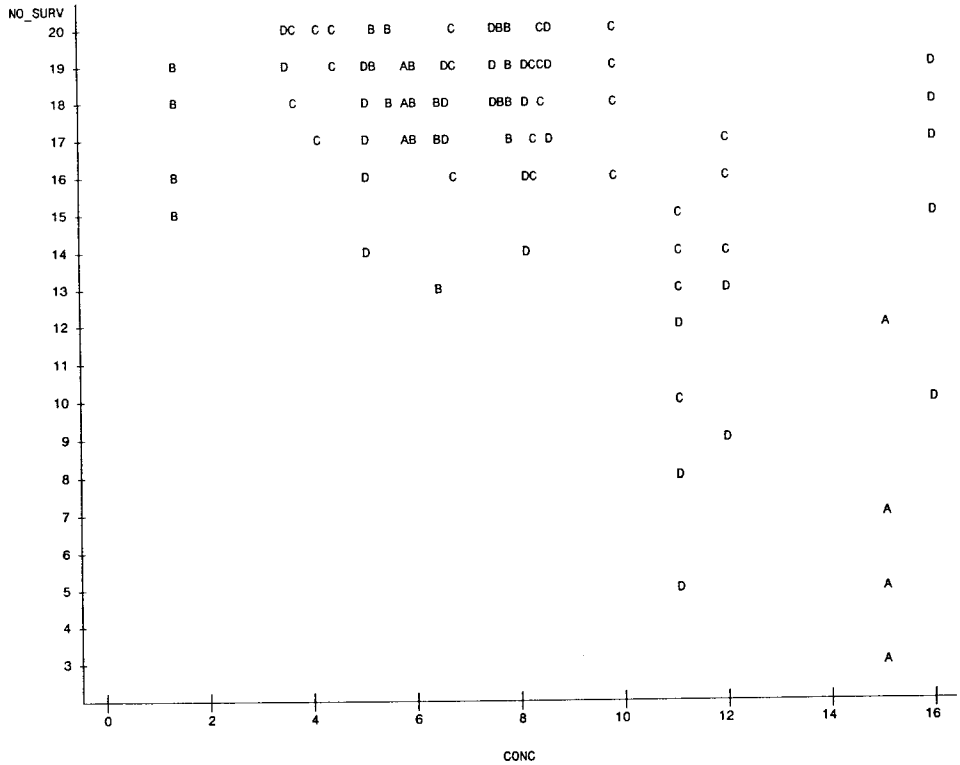


NOTE: 32 obs hidden.

Plot of revised data for amphipod survival- untransformed data
a= d+y, b= d+n, c= w+y, d= w+n 13:40 Tuesday, October 26, 1999

---------- ANALYTE=Cobalt ----------

Plot of NO_SURV*CONC. Symbol is value of GROUP.

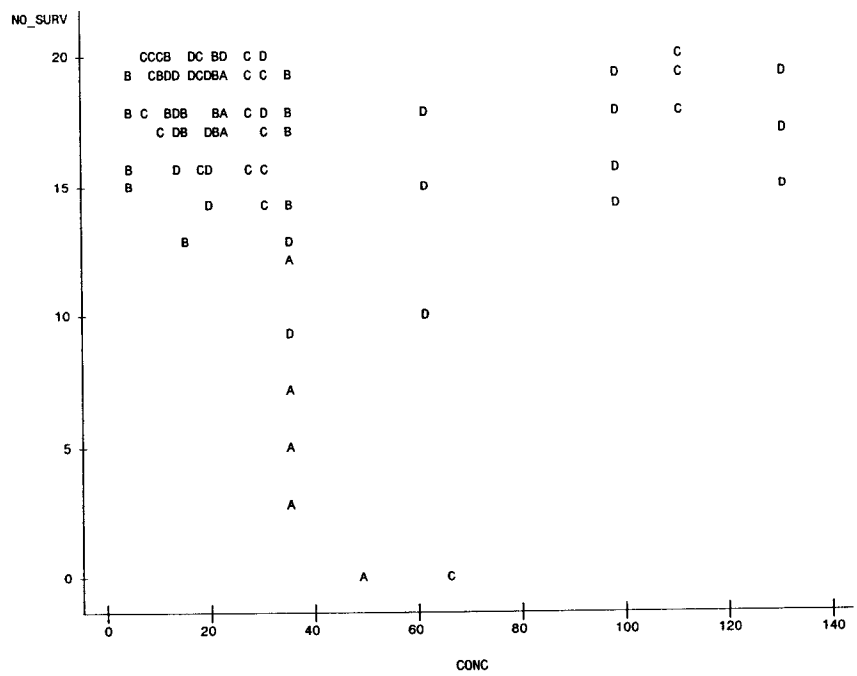


NOTE: 67 obs hidden.

Plot of revised data for amphipod survival- untransformed data
a= d+y, b= d+n, c= w+y, d= w+n 13:40 Tuesday, October 26, 1999

---------- ANALYTE=Copper ----------

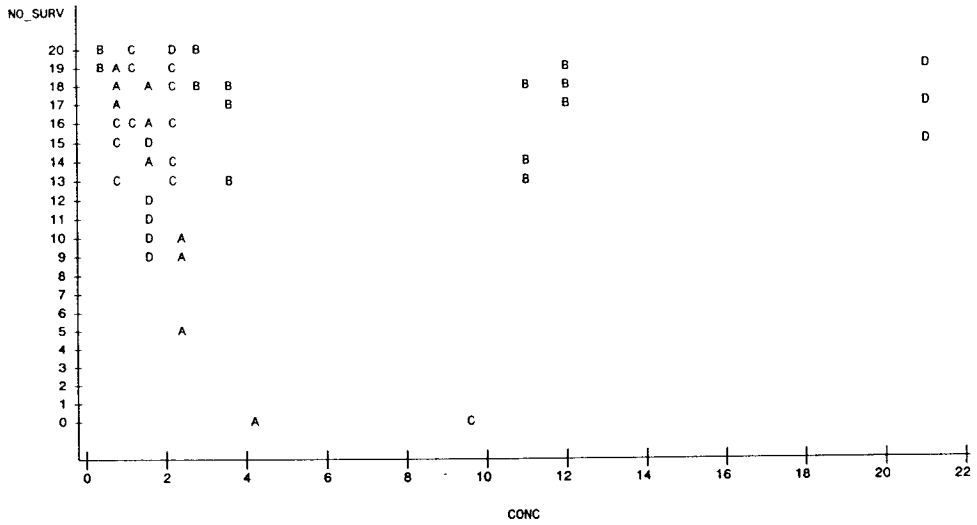
Plot of NO_SURV*CONC. Symbol is value of GROUP.



NOTE: 82 obs hidden.

---------- ANALYTE=Dieldrin ----------

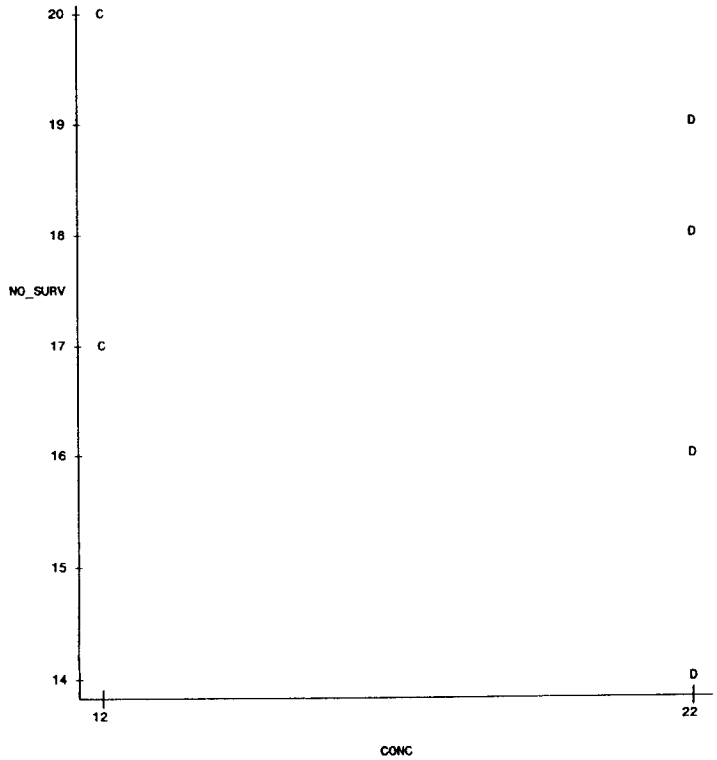
Plot of NO_SURV*CONC. Symbol is value of GROUP.



NOTE: 36 obs hidden.

---------- ANALYTE=Dimethyl ----------

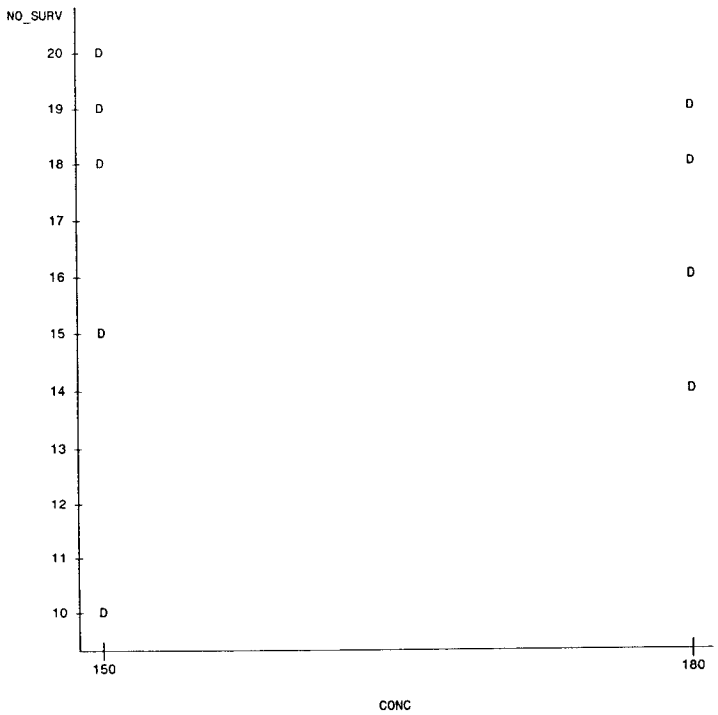
Plot of NO_SURV*CONC. Symbol is value of GROUP.



NOTE: 4 obs hidden.

---------- ANALYTE=Dinbutyl ----------

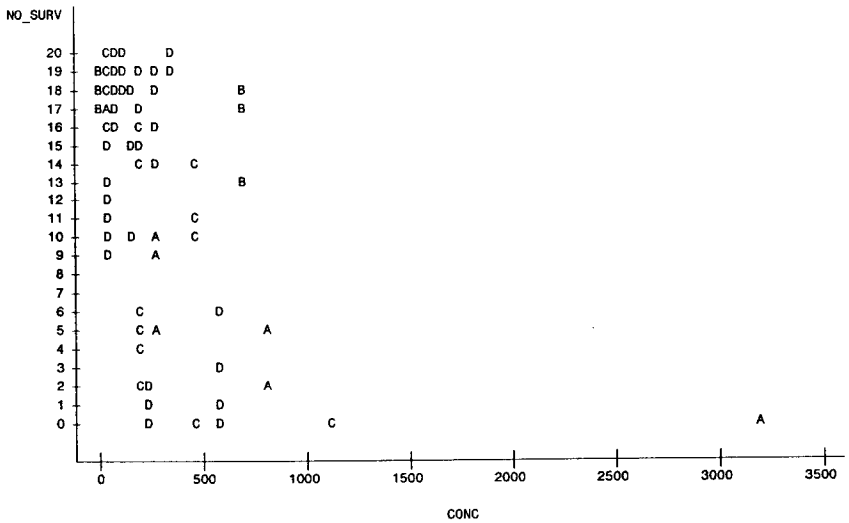
Plot of NO_SURV*CONC. Symbol is value of GROUP.



NOTE: 6 obs hidden.

---------- ANALYTE=Dinoctyl ----------

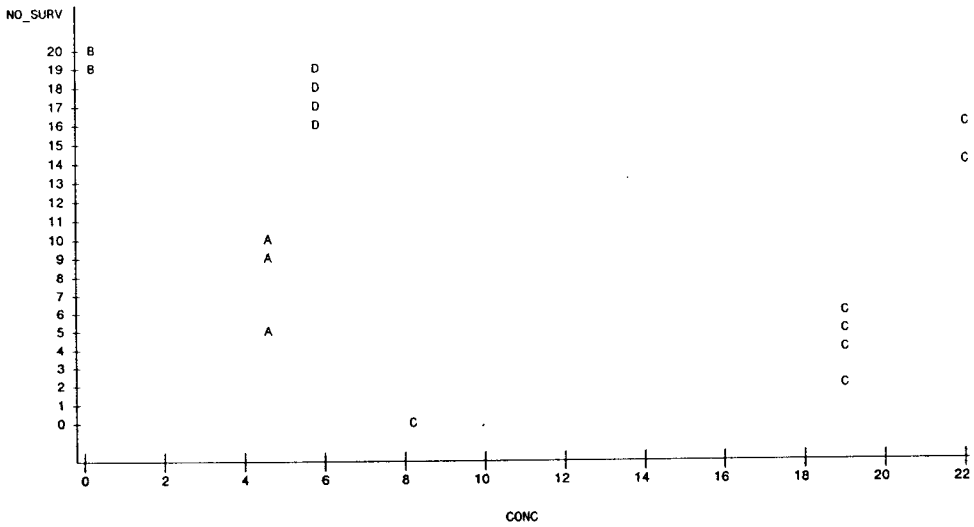
Plot of NO_SURV*CONC. Symbol is value of GROUP.



NOTE: 54 obs hidden.

---------- ANALYTE=Endrin ----------

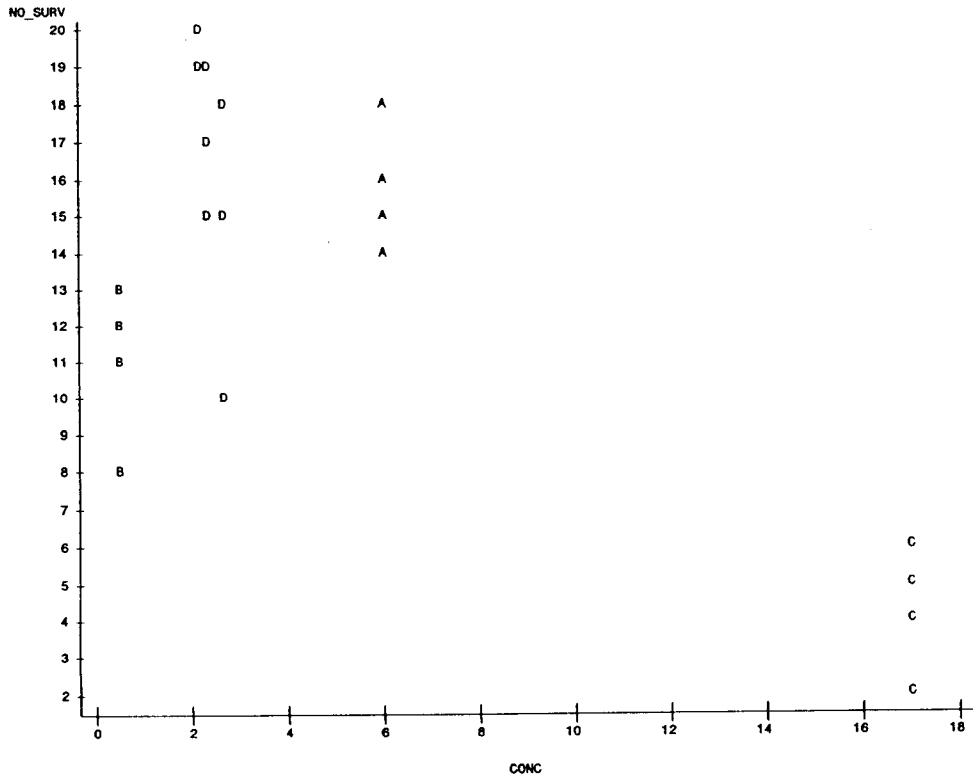
Plot of NO_SURV*CONC. Symbol is value of GROUP.



NOTE: 14 obs hidden.

---------- ANALYTE=Endrinal ----------

Plot of NO_SURV*CONC. Symbol is value of GROUP.

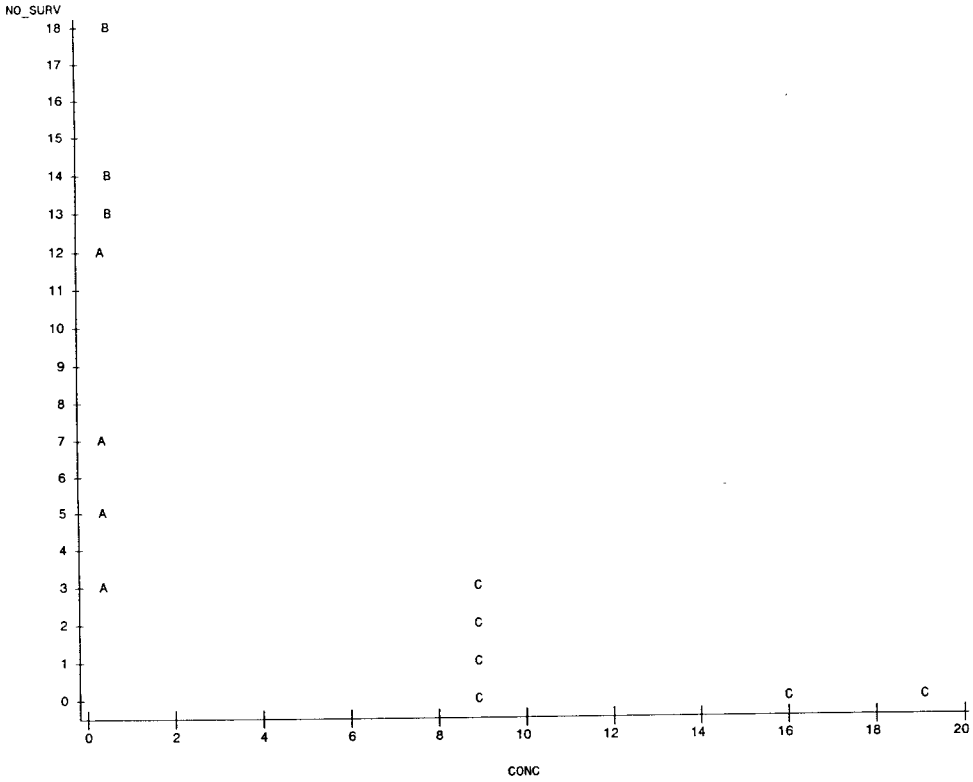


NOTE: 10 obs hidden.

Plot of revised data for amphipod survival- untransformed data
a= d+y, b= d+n, c= w+y, d= w+n 13:40 Tuesday, October 26, 1999

---------- ANALYTE=Endrinke ----------

Plot of NO_SURV*CONC. Symbol is value of GROUP.

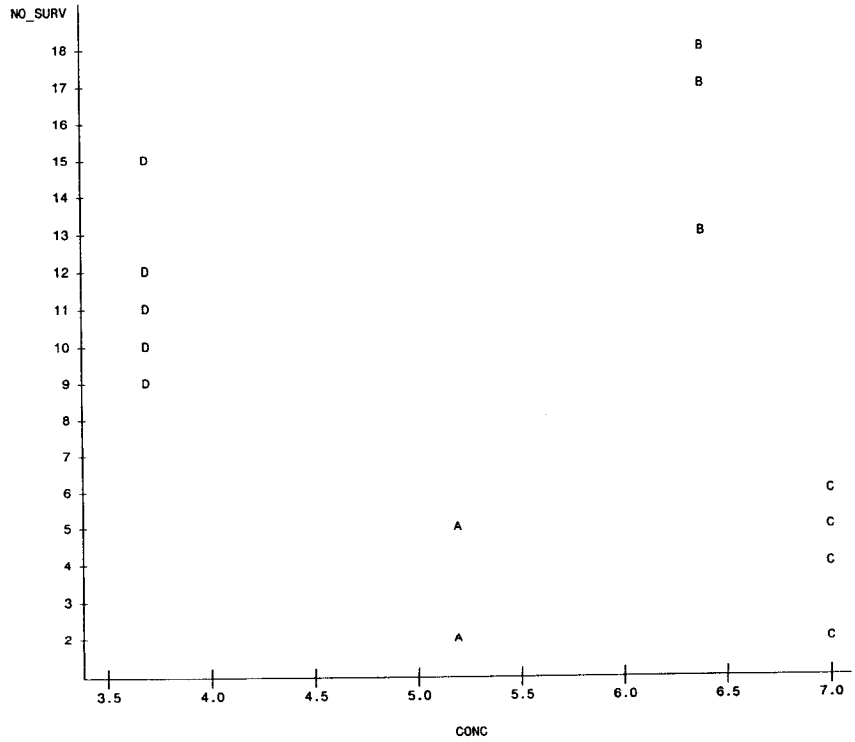


NOTE: 12 obs hidden.

Plot of revised data for amphipod survival- untransformed data
a= d+y, b= d+n, c= w+y, d= w+n 13:40 Tuesday, October 26, 1999

---------- ANALYTE=EndslfI ----------

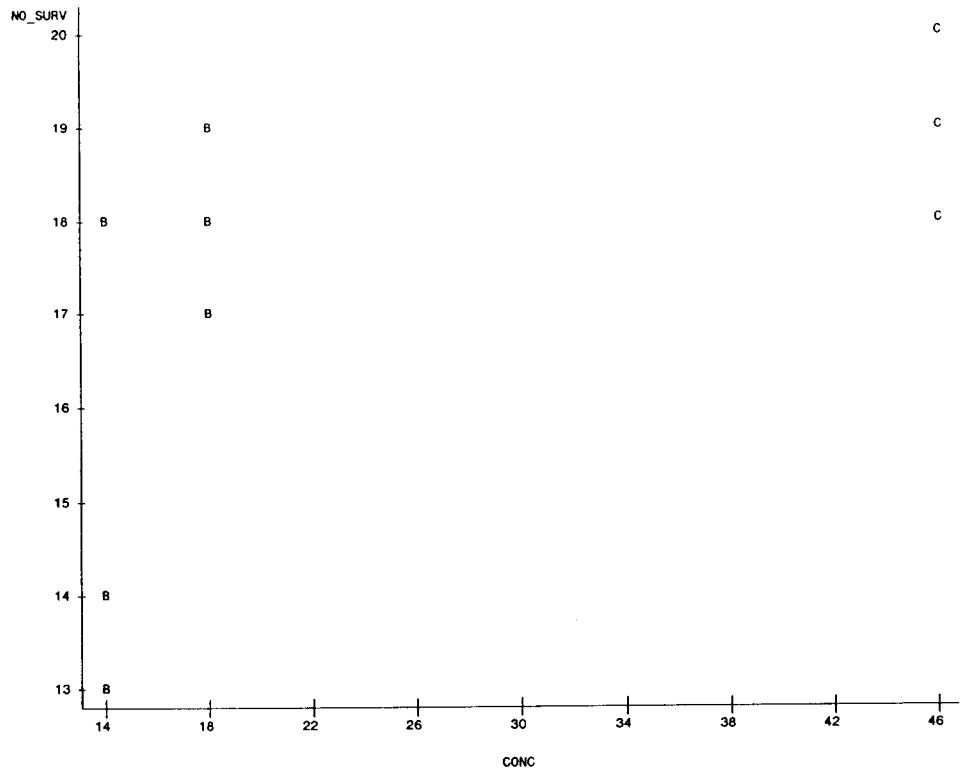
Plot of NO_SURV*CONC. Symbol is value of GROUP.



NOTE: 6 obs hidden.

---------- ANALYTE=PCB153 ----------

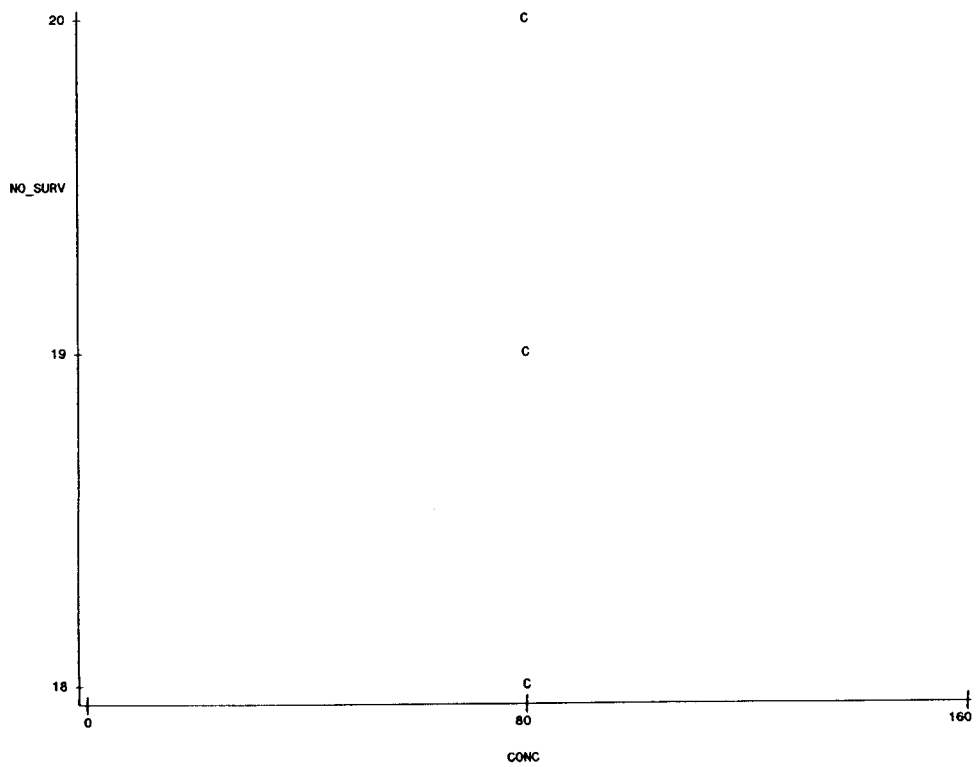
Plot of NO_SURV*CONC. Symbol is value of GROUP.



NOTE: 6 obs hidden.

---------- ANALYTE=PCB180 ----------

Plot of NO_SURV*CONC. Symbol is value of GROUP.

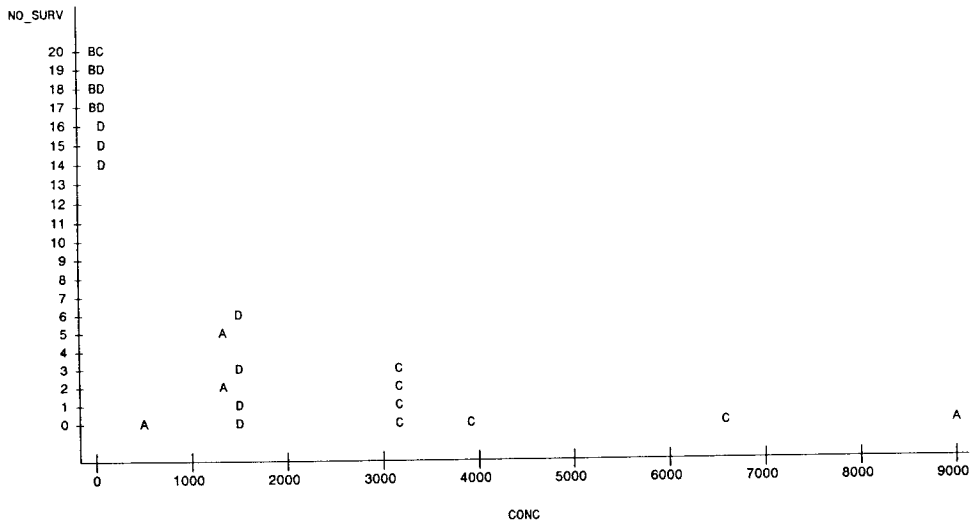


NOTE: 2 obs hidden.

Plot of revised data for amphipod survival- untransformed data
a= d+y, b= d+n, c= w+y, d= w+n 13:40 Tuesday, October 26, 1999

---------- ANALYTE=Phenanth ----------

Plot of NO_SURV*CONC. Symbol is value of GROUP.

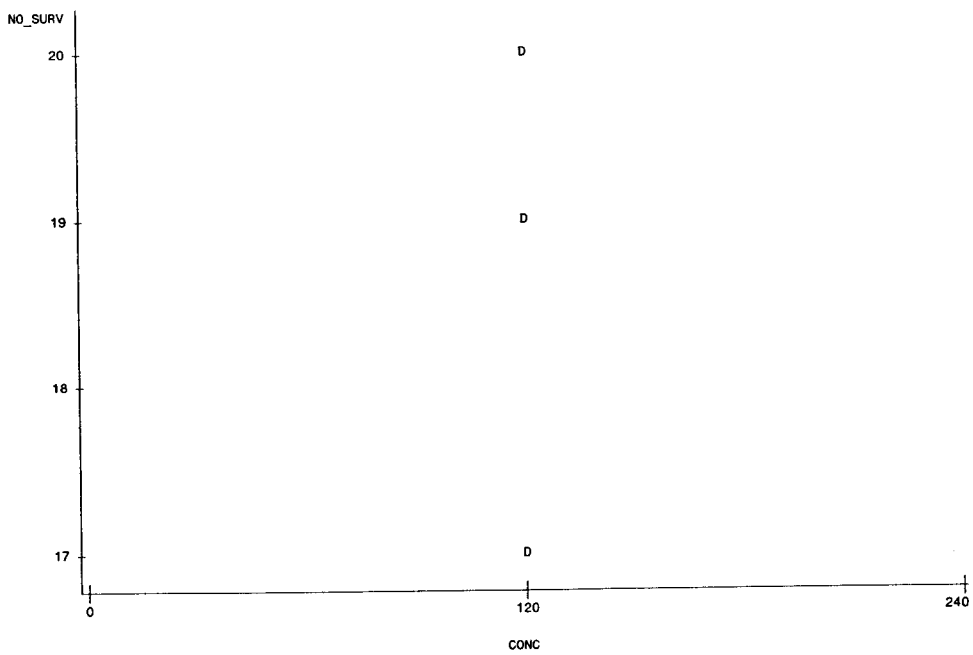


NOTE: 55 obs hidden.

Plot of revised data for amphipod survival- untransformed data
a= d+y, b= d+n, c= w+y, d= w+n 13:40 Tuesday, October 26, 1999

---------- ANALYTE=Phenol ----------

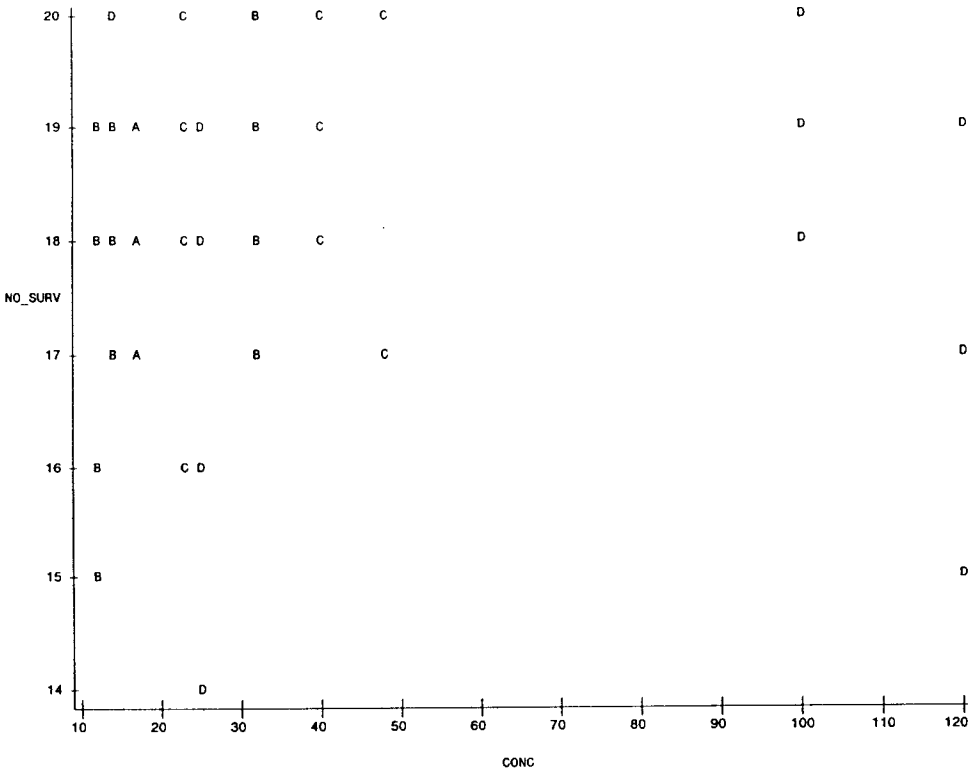
Plot of NO_SURV*CONC. Symbol is value of GROUP.



NOTE: 2 obs hidden.

---------- ANALYTE=Pyrene ----------

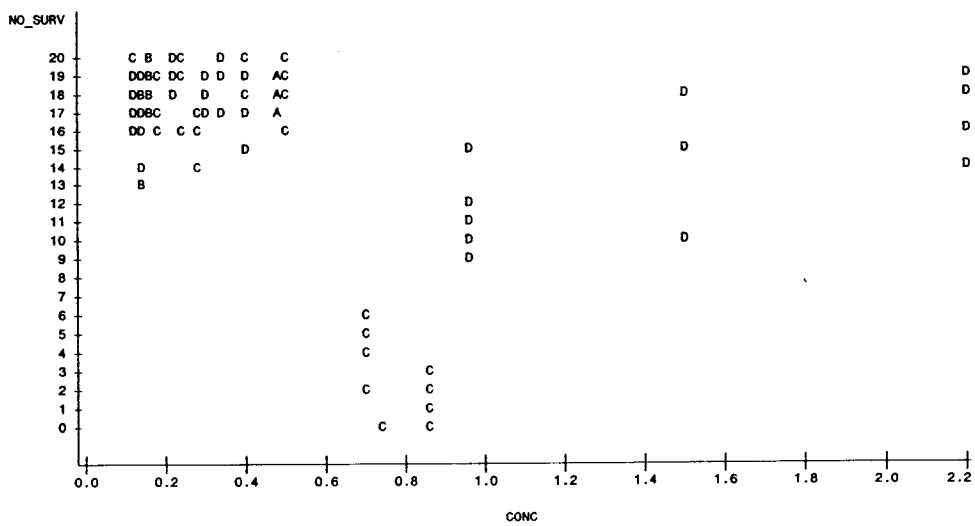
Plot of NO_SURV*CONC. Symbol is value of GROUP.



NOTE: 21 obs hidden.

---------- ANALYTE=Selenium ----------

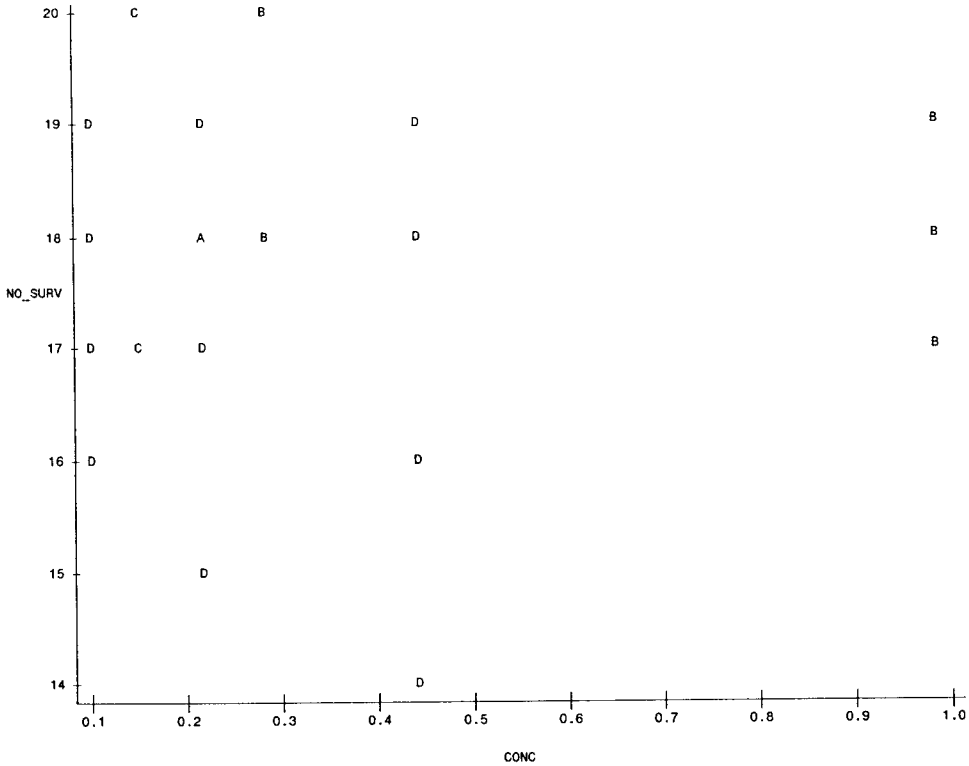
Plot of NO_SURV*CONC. Symbol is value of GROUP.



NOTE: 49 obs hidden.

---------- ANALYTE=Silver ----------

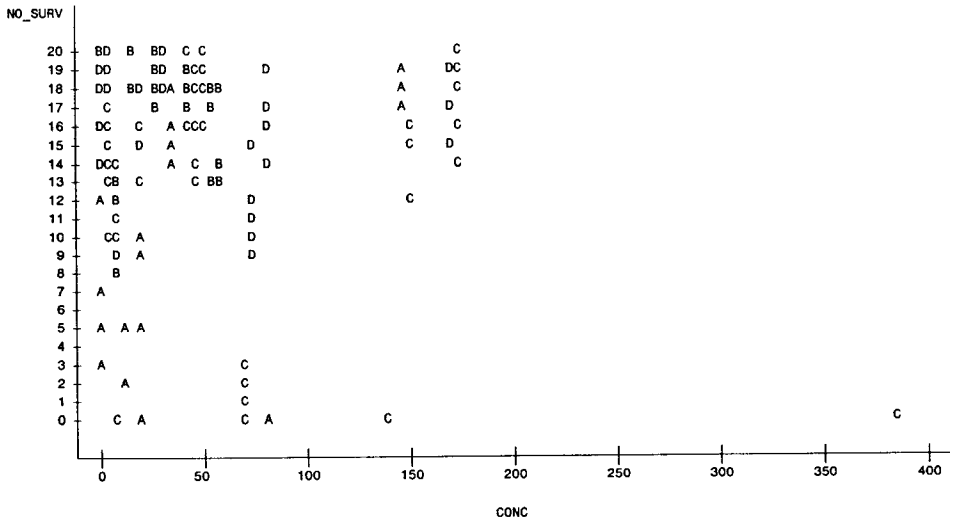
Plot of NO_SURV*CONC. Symbol is value of GROUP.



NOTE: 16 obs hidden.

---------- ANALYTE=TDDT ----------

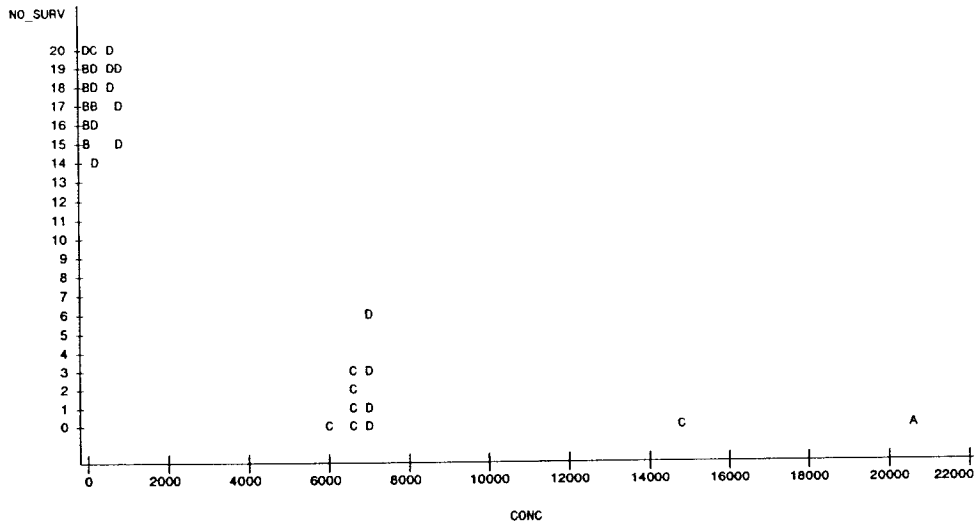
Plot of NO_SURV*CONC. Symbol is value of GROUP.



NOTE: 91 obs hidden.

---------- ANALYTE=TPAHs ----------

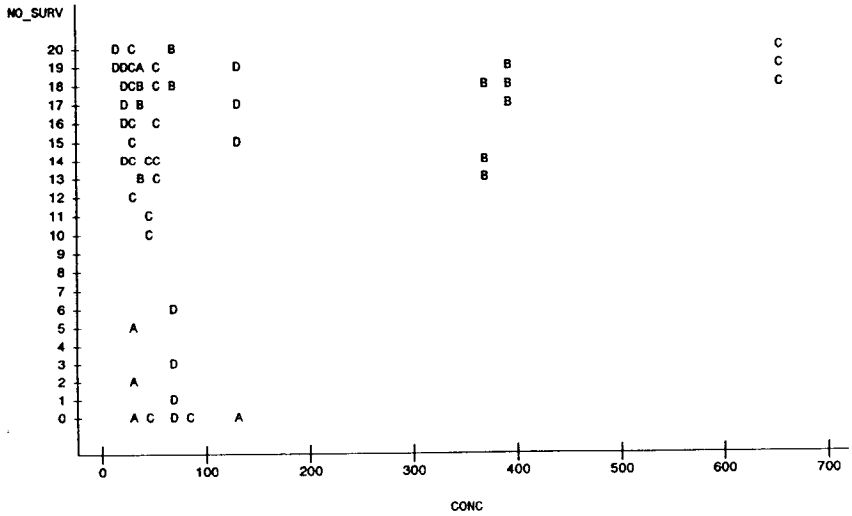
Plot of NO_SURV*CONC. Symbol is value of GROUP.



NOTE: 61 obs hidden.

---------- ANALYTE=TPCB ----------

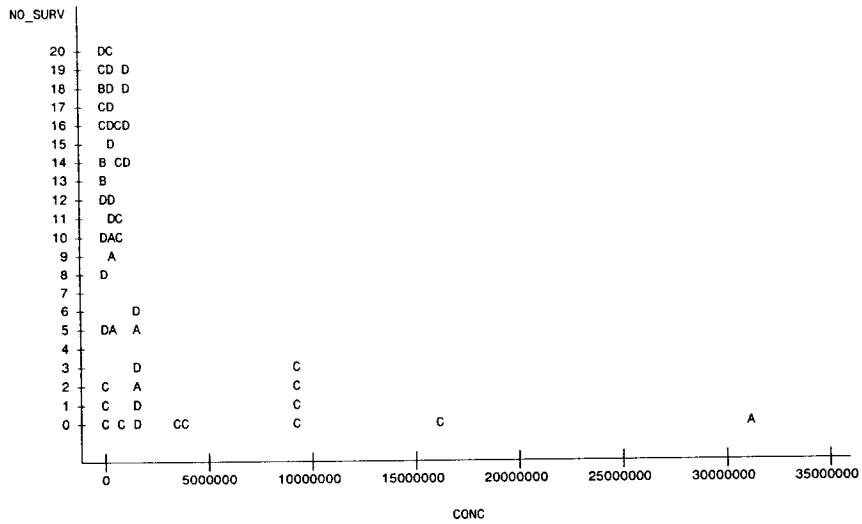
Plot of NO_SURV*CONC. Symbol is value of GROUP.



NOTE: 50 obs hidden.

---------- ANALYTE=TPHDiese ----------

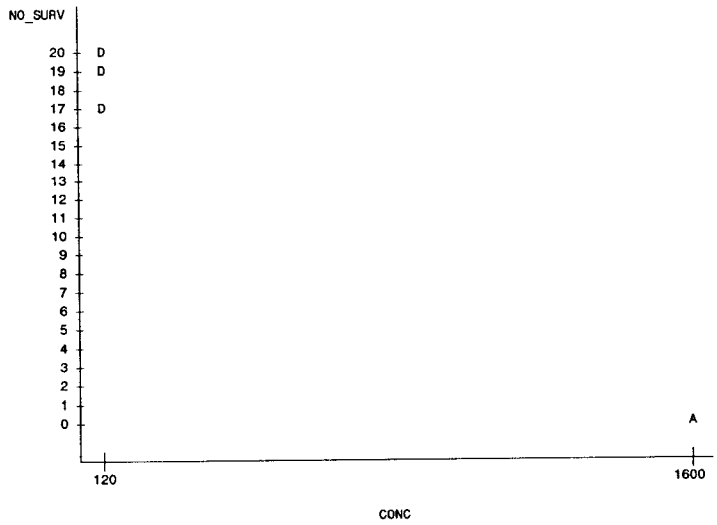
Plot of NO_SURV*CONC. Symbol is value of GROUP.



NOTE: 62 obs hidden.

---------- ANALYTE=TPhenol ----------

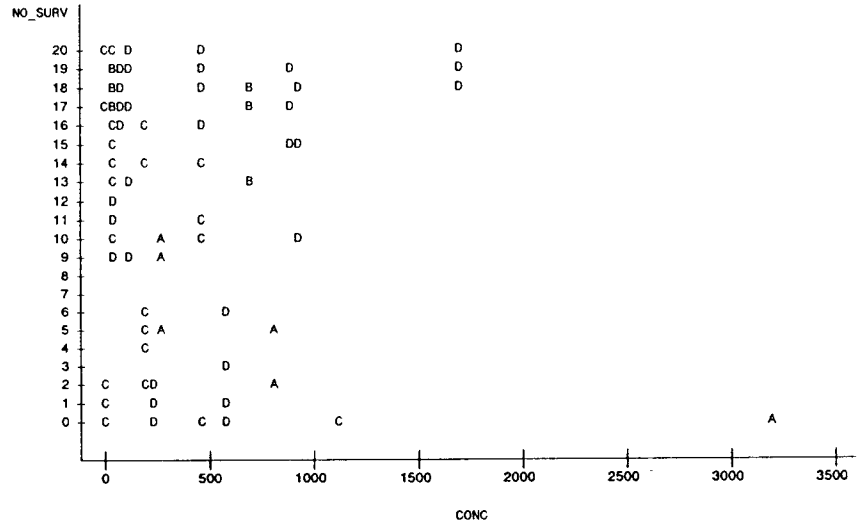
Plot of NO_SURV*CONC. Symbol is value of GROUP.



NOTE: 6 obs hidden.

---------- ANALYTE=TPhthala ----------

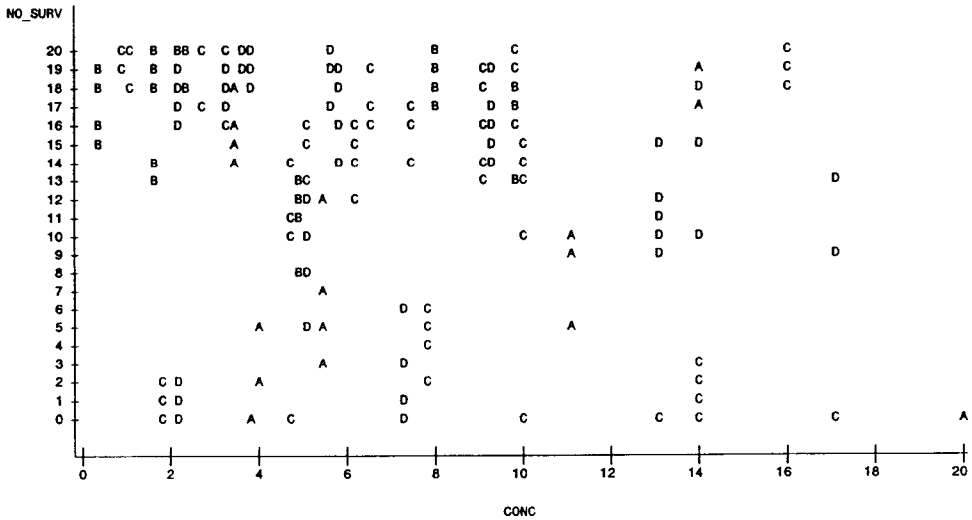
Plot of NO_SURV*CONC. Symbol is value of GROUP.



NOTE: 69 obs hidden.

---------- ANALYTE=TVolatil ----------

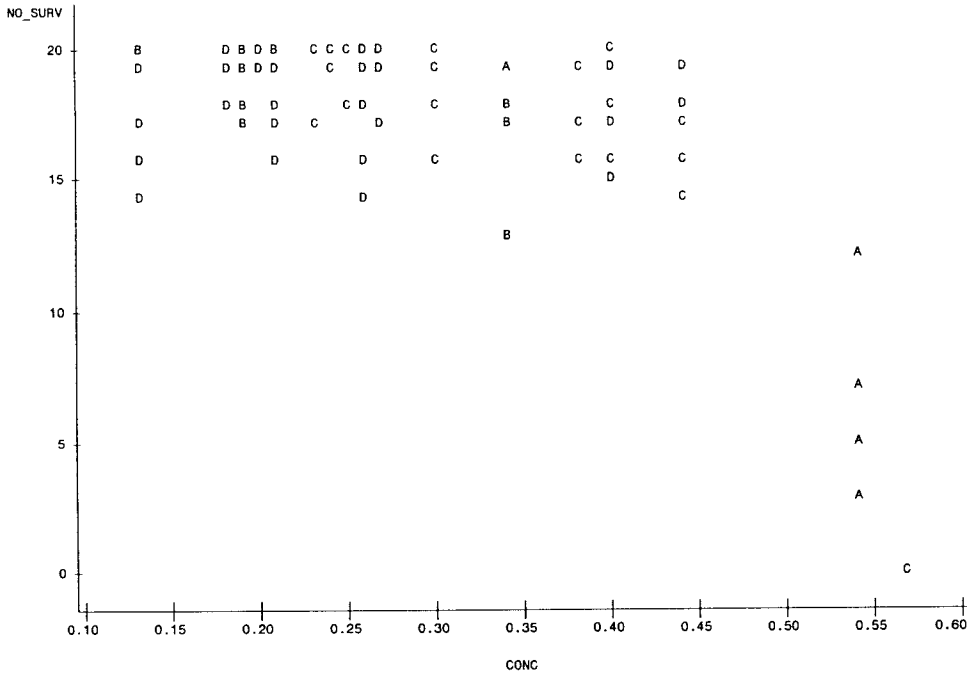
Plot of NO_SURV*CONC. Symbol is value of GROUP.



NOTE: 116 obs hidden.

---------- ANALYTE=Thallium ----------

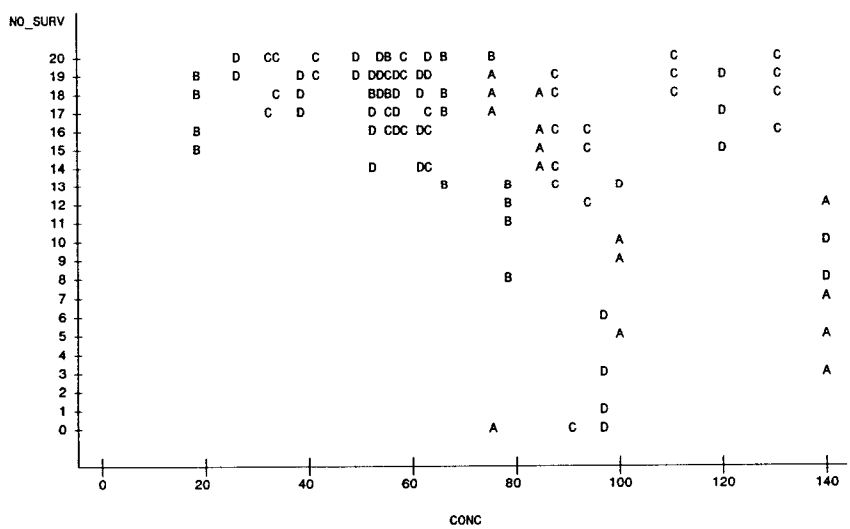
Plot of NO_SURV*CONC. Symbol is value of GROUP.



NOTE: 70 obs hidden.

---------- ANALYTE=Vanadium ----------

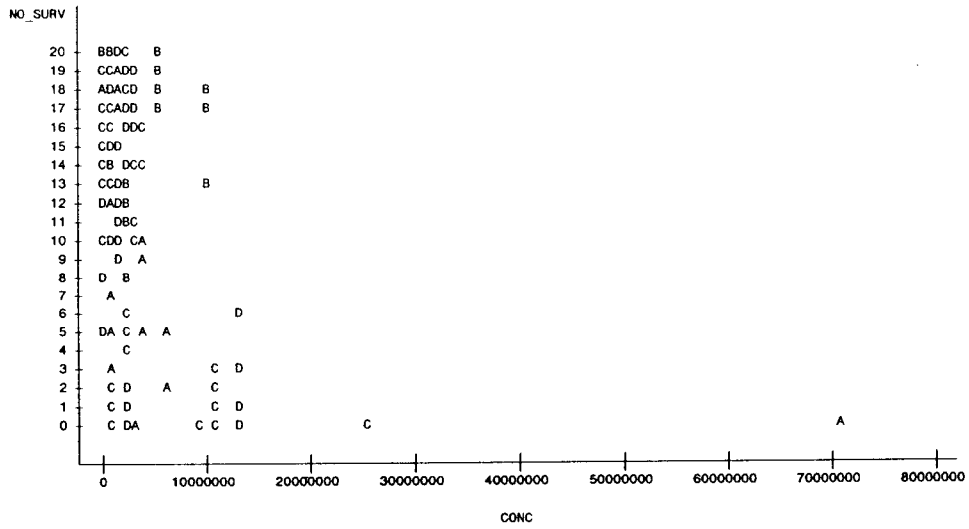
Plot of NO_SURV*CONC. Symbol is value of GROUP.



NOTE: 84 obs hidden.

---------- ANALYTE=Wasteoil ----------

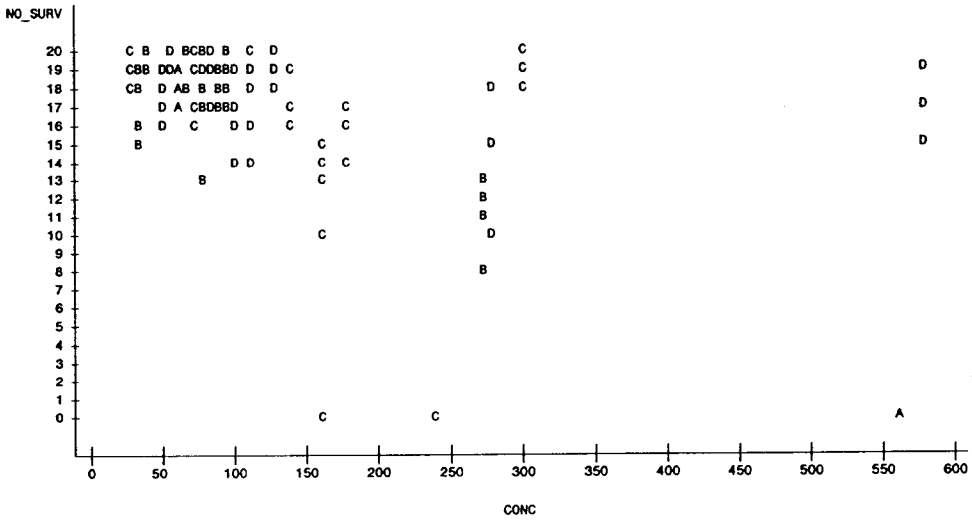
Plot of NO_SURV*CONC. Symbol is value of GROUP.



NOTE: 158 obs hidden.

---------- ANALYTE=Zinc ----------

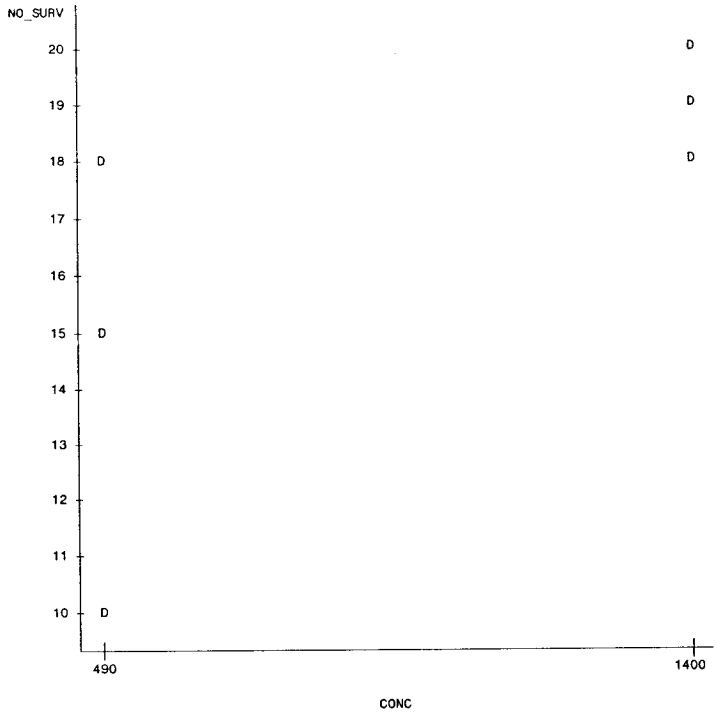
Plot of NO_SURV*CONC. Symbol is value of GROUP.



NOTE: 78 obs hidden.

---------- ANALYTE=bis(2eth ----------

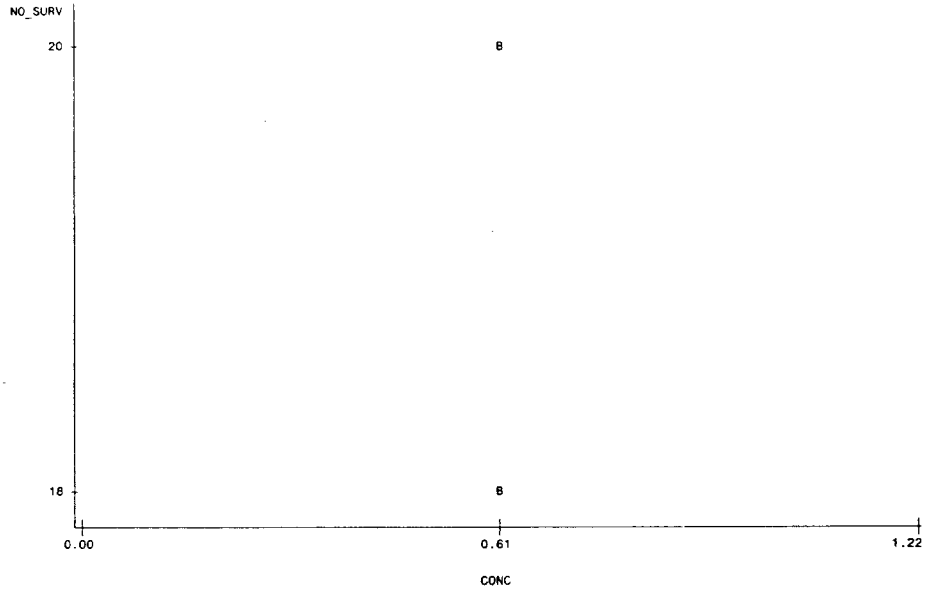
Plot of NO_SURV*CONC. Symbol is value of GROUP.



NOTE: 4 obs hidden.

---------- ANALYTE=EndslfII ----------

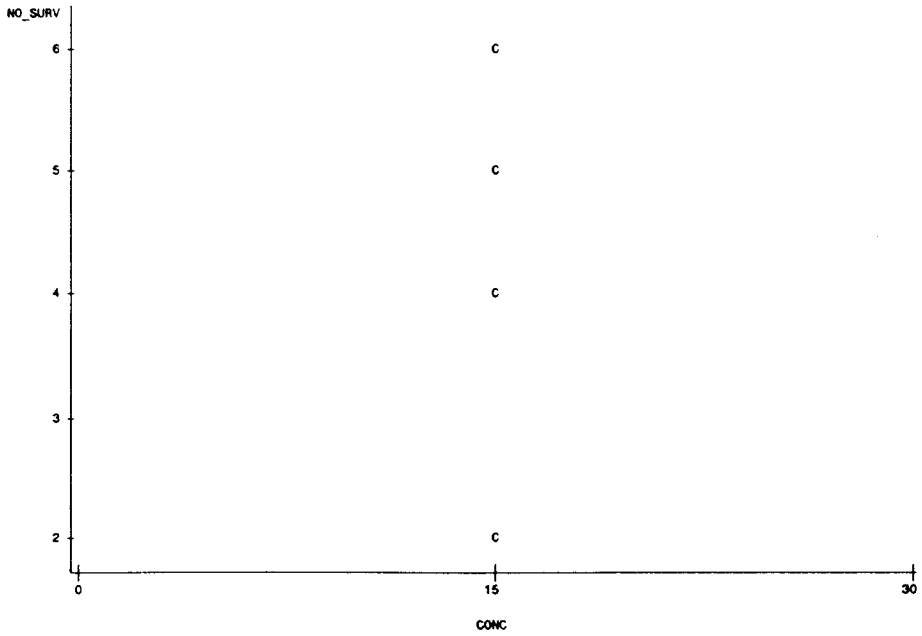
Plot of NO_SURV*CONC. Symbol is value of GROUP



NOTE: 3 obs hidden.

---------- ANALYTE=Endslfsu ----------

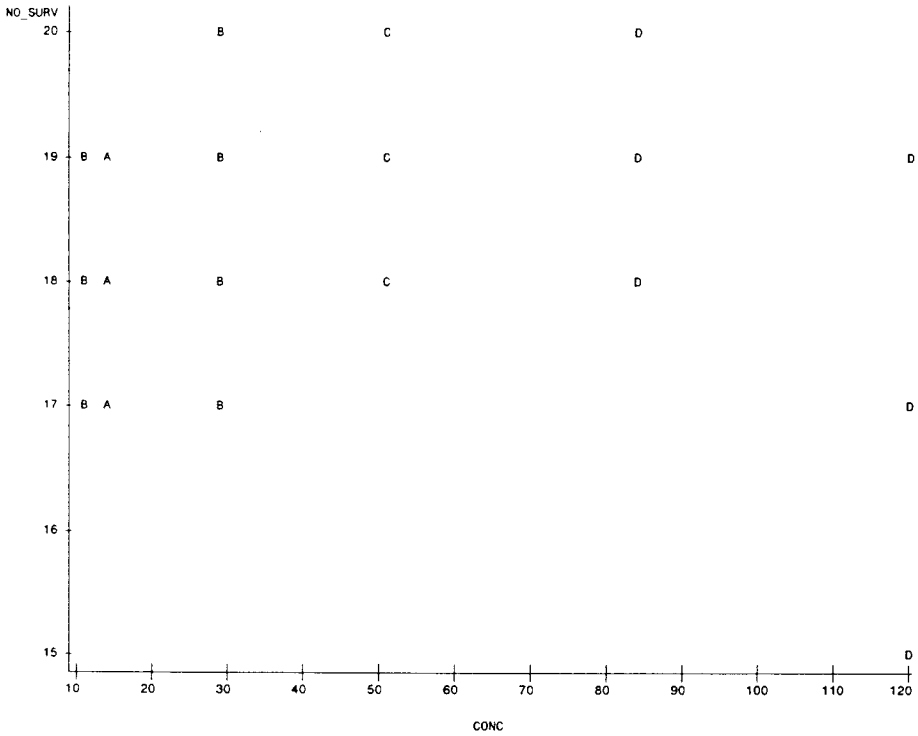
Plot of NO_SURV*CONC. Symbol is value of GROUP.



NOTE: 1 obs hidden.

---------- ANALYTE=Fluorant ----------

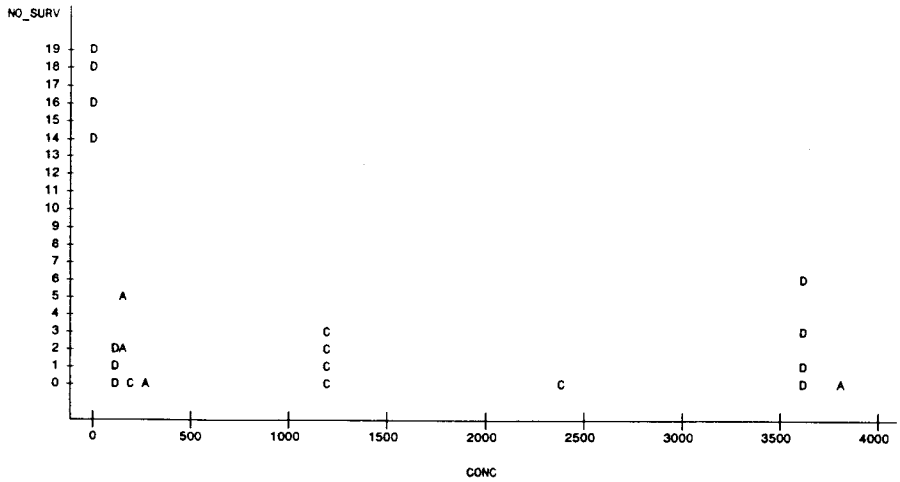
Plot of NO_SURV*CONC. Symbol is value of GROUP.



NOTE: 11 obs hidden.

---------- ANALYTE=Fluorene ----------

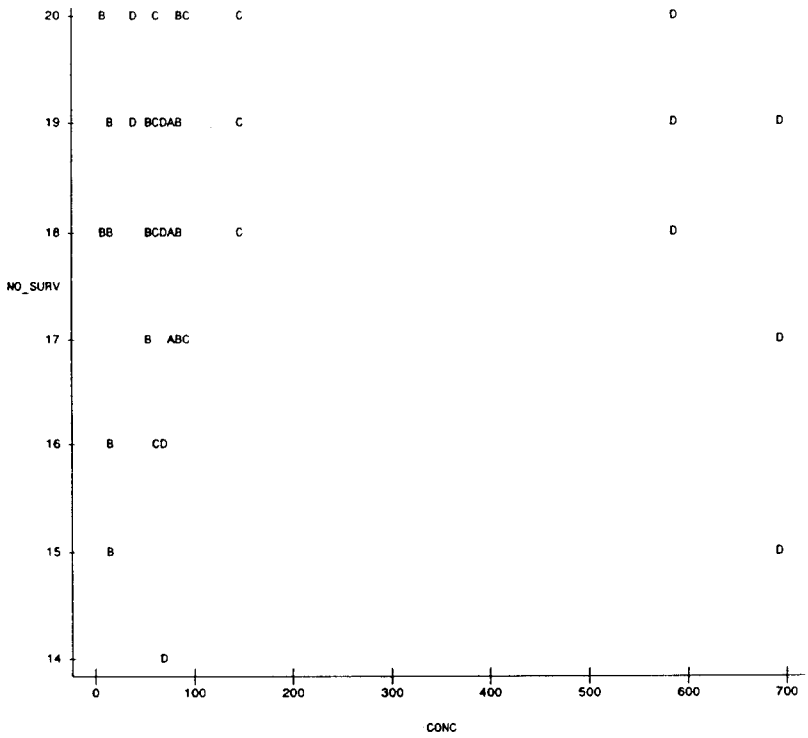
Plot of NO_SURV*CONC. Symbol is value of GROUP.



NOTE: 24 obs hidden.

---------- ANALYTE=HighMWPA ----------

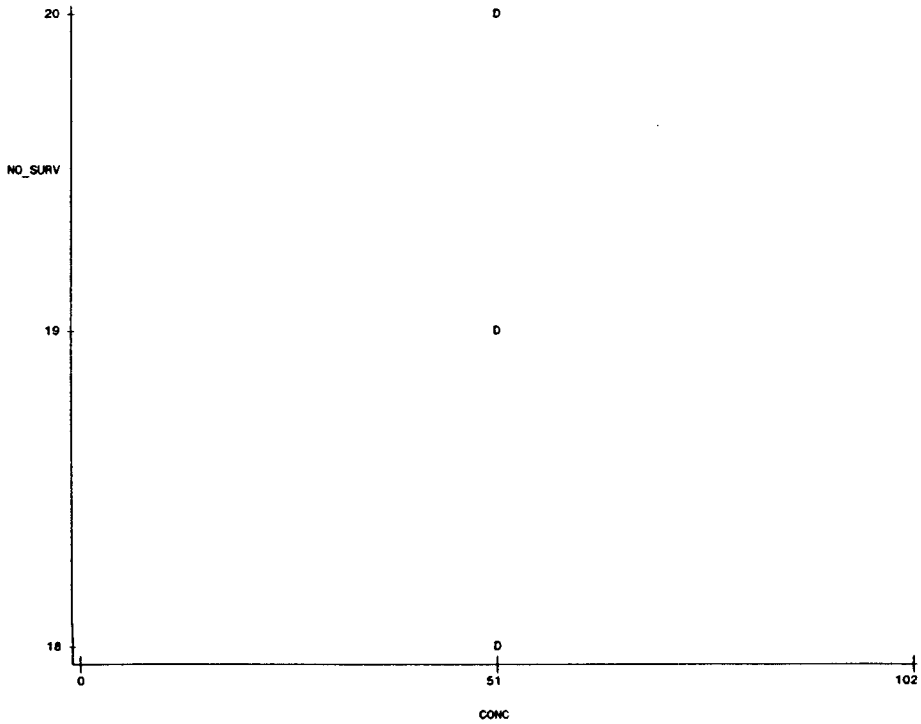
Plot of NO_SURV*CONC. Symbol is value of GROUP.



NOTE: 28 obs hidden.

---------- ANALYTE=Indeno(1 ----------

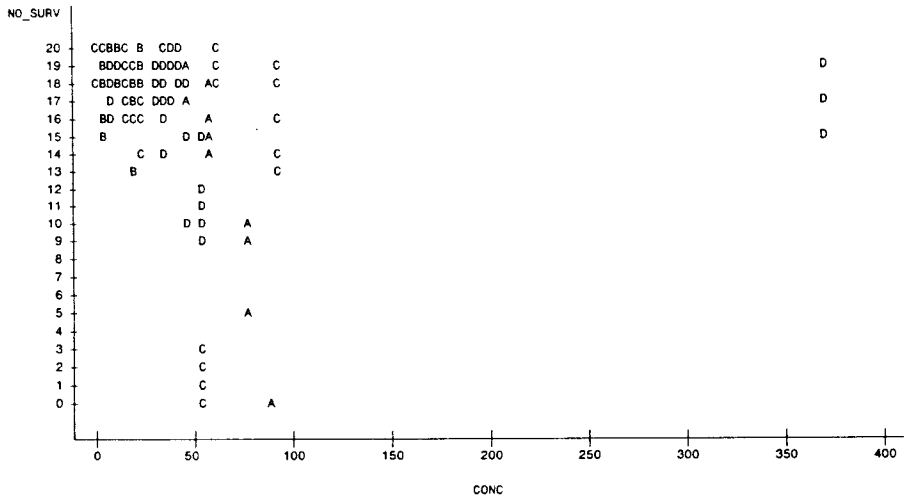
Plot of NO_SURV*CONC. Symbol is value of GROUP.



NOTE: 2 obs hidden.

---------- ANALYTE=Lead ----------

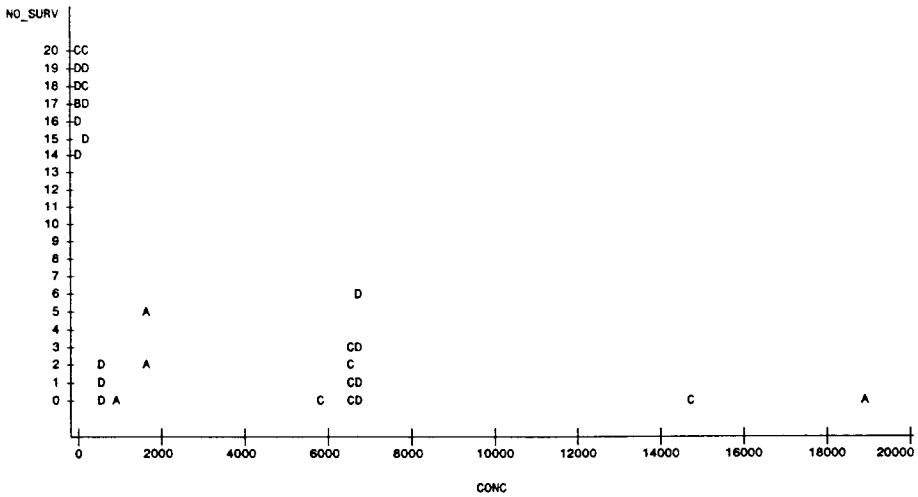
Plot of NO_SURV*CONC. Symbol is value of GROUP.



NOTE: 81 obs hidden.

---------- ANALYTE=LoMWPAHs ----------

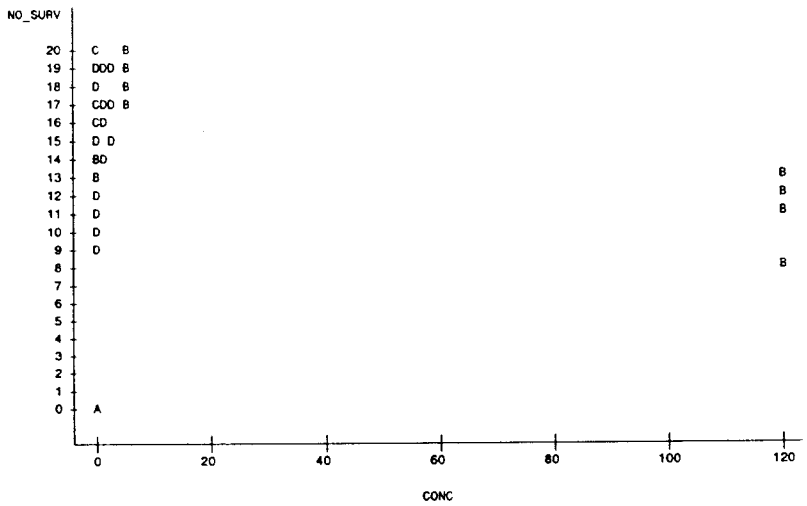
Plot of NO_SURV*CONC. Symbol is value of GROUP.



NOTE: 57 obs hidden.

---------- ANALYTE=Mercury ----------

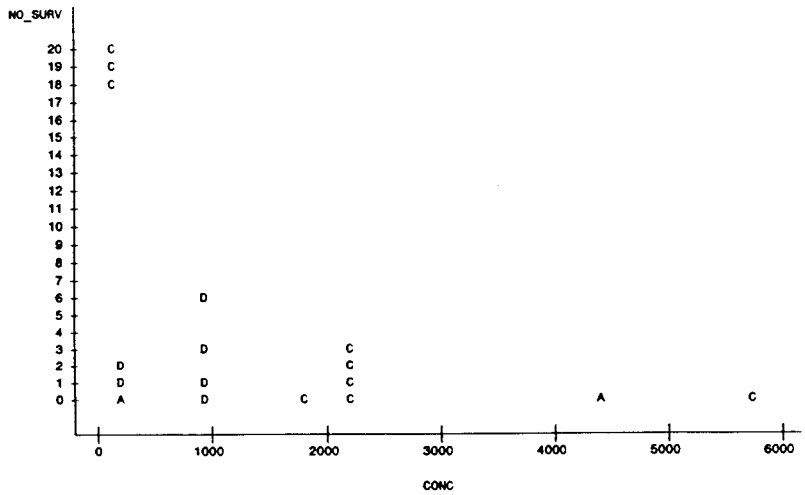
Plot of NO_SURV*CONC. Symbol is value of GROUP.



NOTE: 102 obs hidden.

---------- ANALYTE=Naphthal ----------

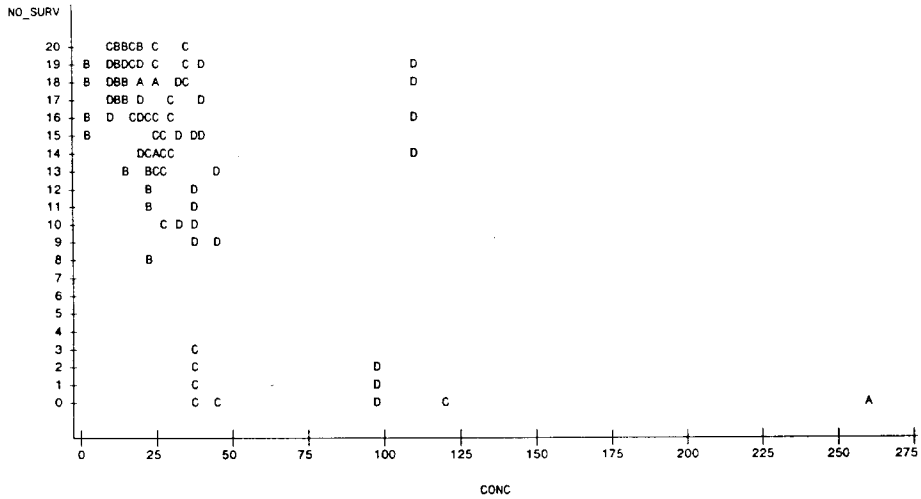
Plot of NO_SURV*CONC. Symbol is value of GROUP.



NOTE: 23 obs hidden.

---------- ANALYTE=Nickel ----------

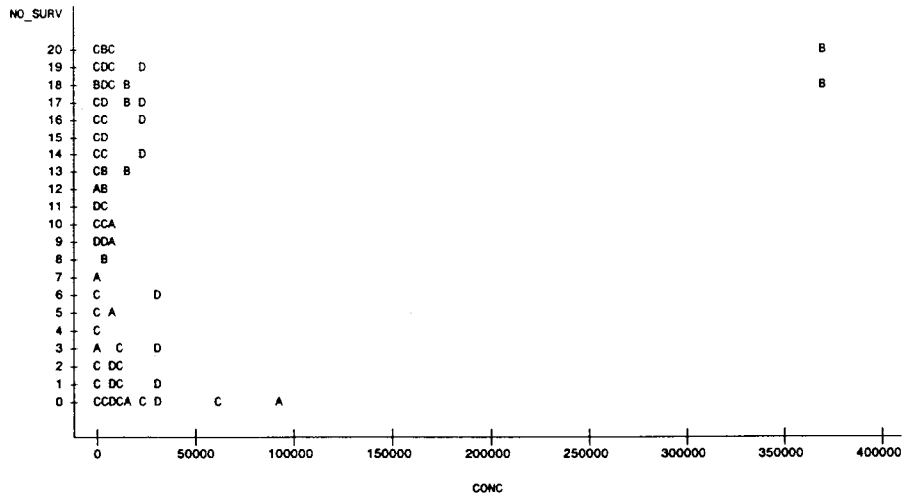
Plot of NO_SURV*CONC. Symbol is value of GROUP.



NOTE: 118 obs hidden.

---------- ANALYTE=OilandGr ----------

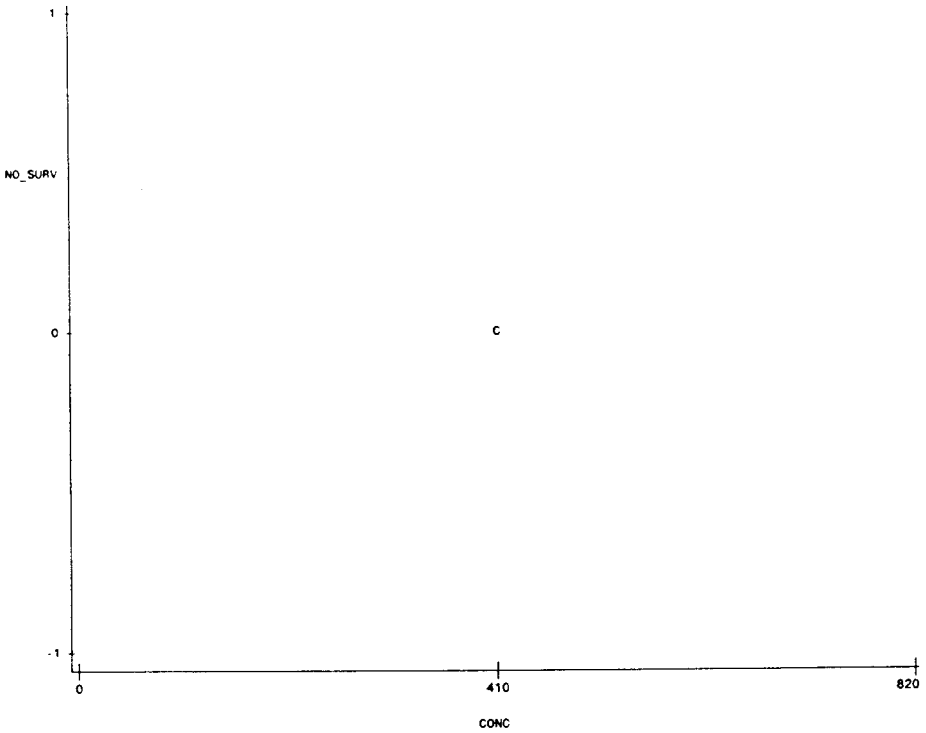
Plot of NO_SURV*CONC. Symbol is value of GROUP.



NOTE: 171 obs hidden.

---------- ANALYTE=PCB008 ----------

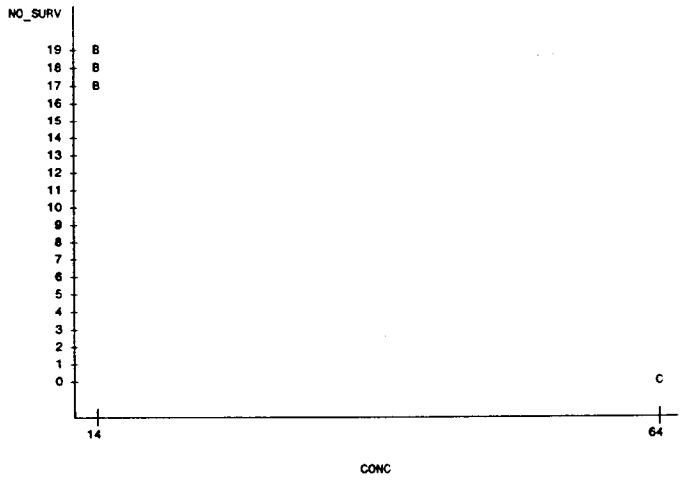
Plot of NO_SURV*CONC. Symbol is value of GROUP.



NOTE: 4 obs hidden.

---------- ANALYTE=PCB028 ----------

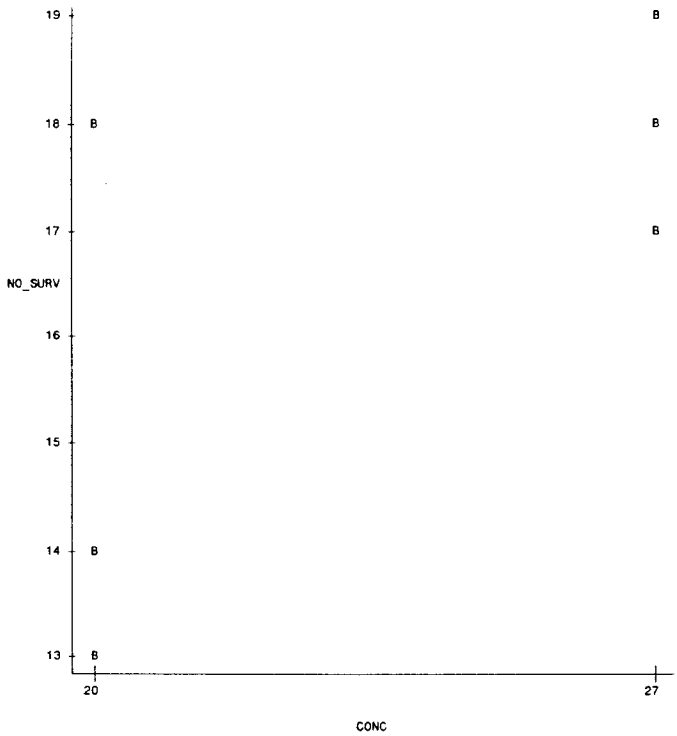
Plot of NO_SURV*CONC. Symbol is value of GROUP.



NOTE: 6 obs hidden.

---------- ANALYTE=PCB044 ----------

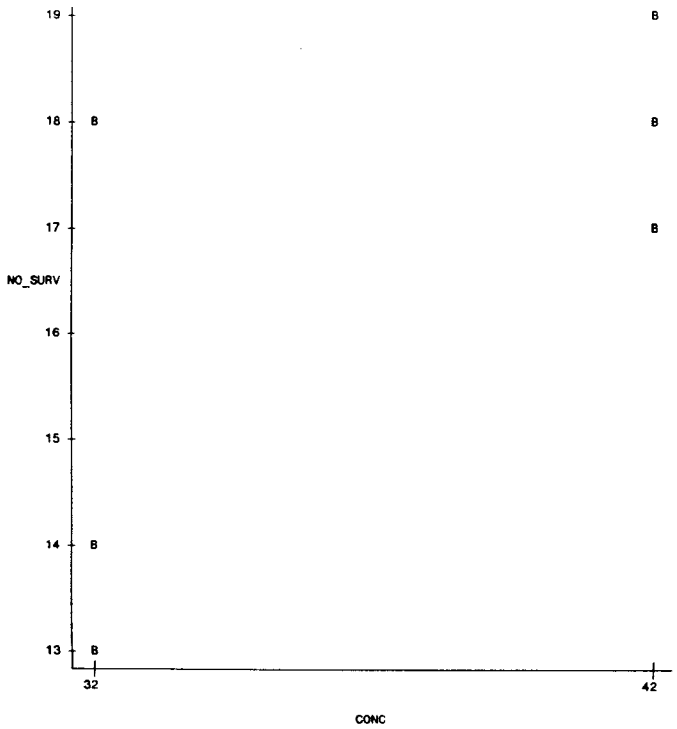
Plot of NO_SURV*CONC. Symbol is value of GROUP.



NOTE: 4 obs hidden.

---------- ANALYTE=PCB052 ----------

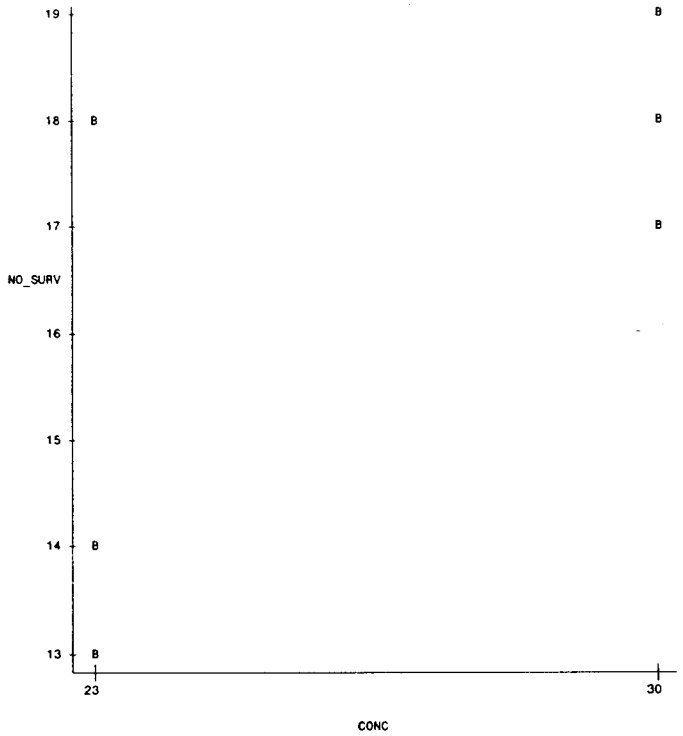
Plot of NO_SURV*CONC. Symbol is value of GROUP.



NOTE: 4 obs hidden.

---------- ANALYTE=PCB066 ----------

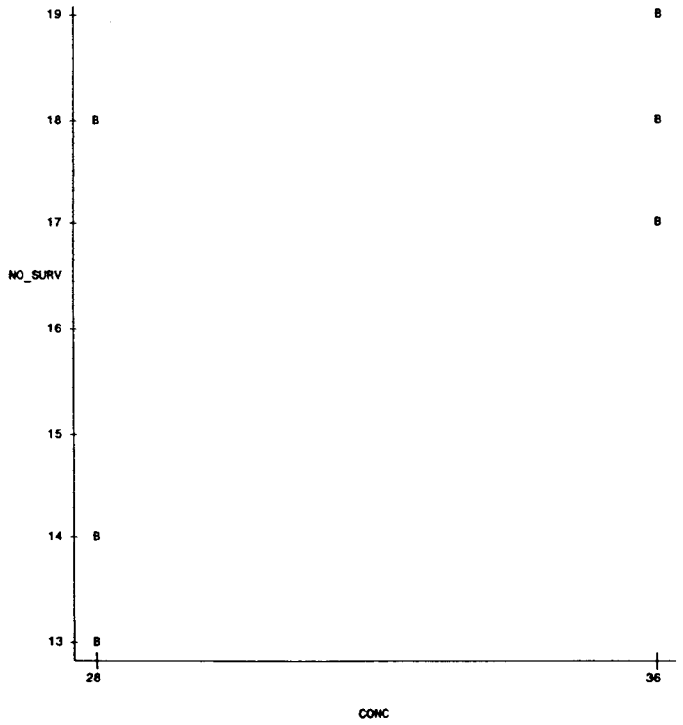
Plot of NO_SURV*CONC. Symbol is value of GROUP.



NOTE: 4 obs hidden.

---------- ANALYTE=PCB101 ----------

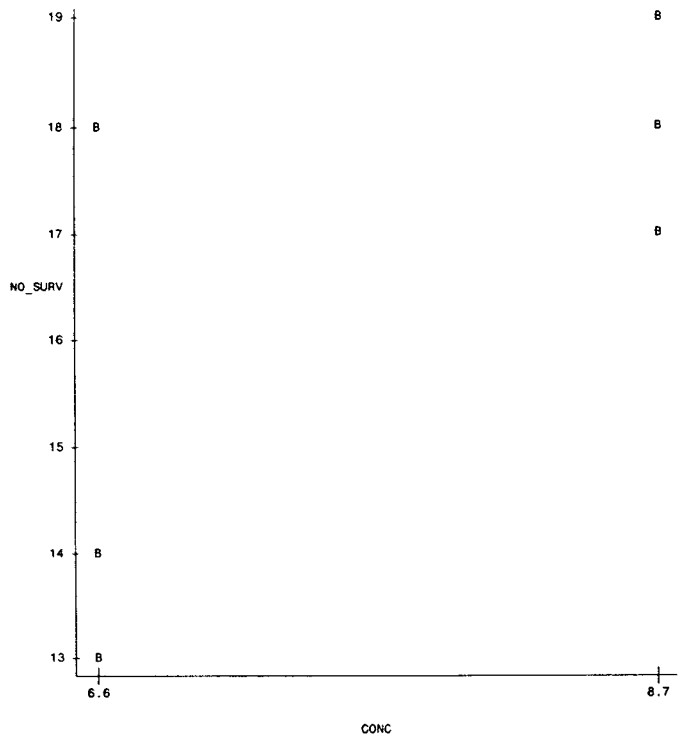
Plot of NO_SURV*CONC. Symbol is value of GROUP.



NOTE: 4 obs hidden.

---------- ANALYTE=PCB105 ----------

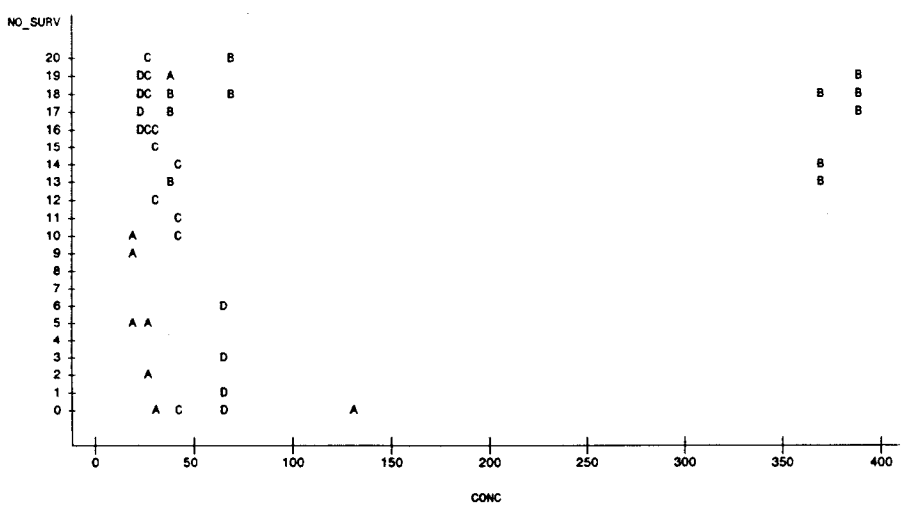
Plot of NO_SURV*CONC. Symbol is value of GROUP.



NOTE: 4 obs hidden.

---------- ANALYTE=PCB1254 ----------

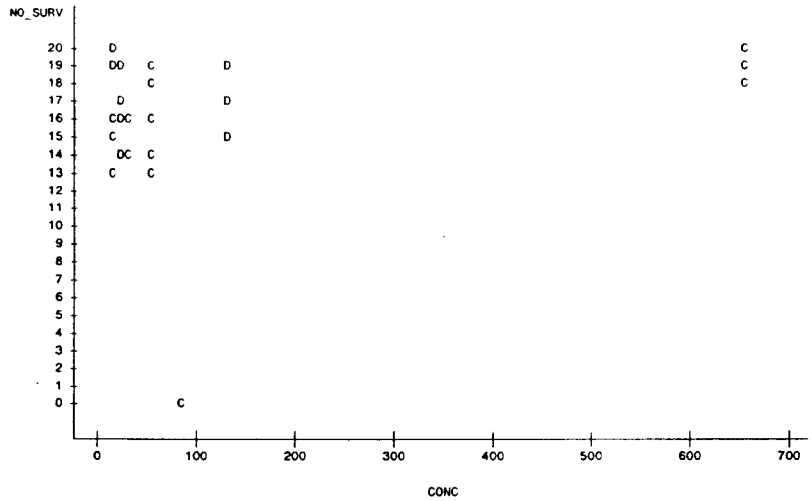
Plot of NO_SURV*CONC. Symbol is value of GROUP.



NOTE: 32 obs hidden.

ANALYTE=PCB1260

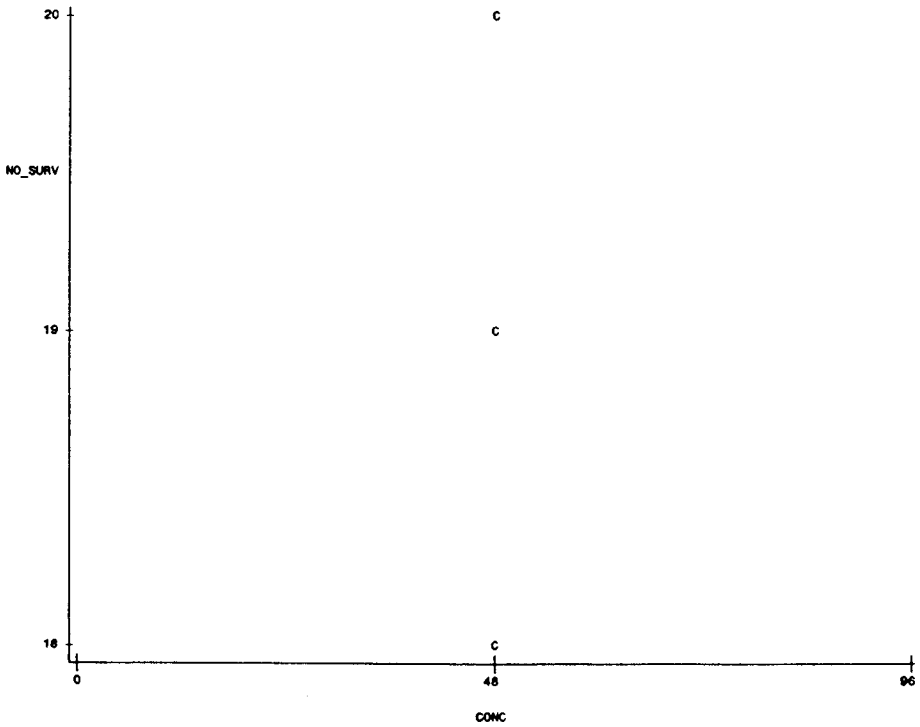
Plot of NO_SURV*CONC. Symbol is value of GROUP



NOTE: 17 obs hidden.

ANALYTE=PCB138

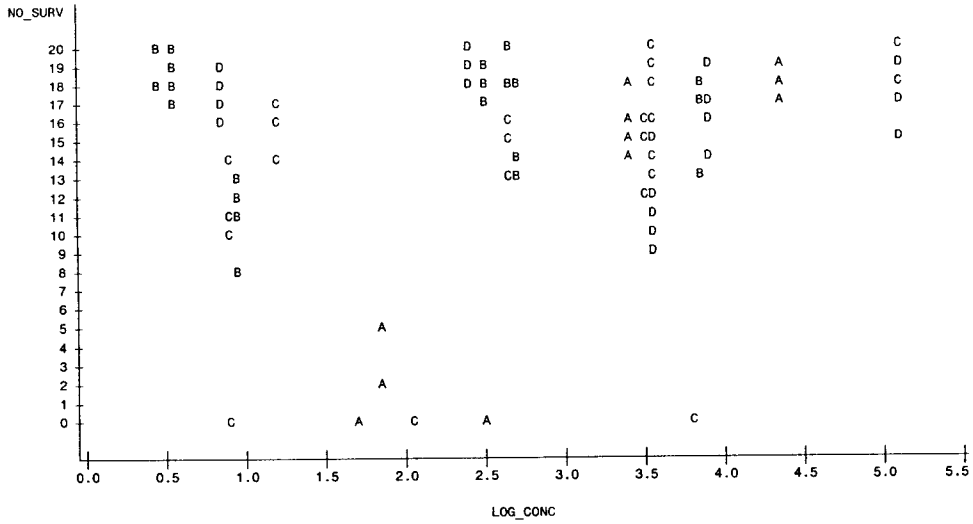
Plot of NO_SURV*CONC. Symbol is value of GROUP.



NOTE: 2 obs hidden.

---------- ANALYTE=44DDD ----------

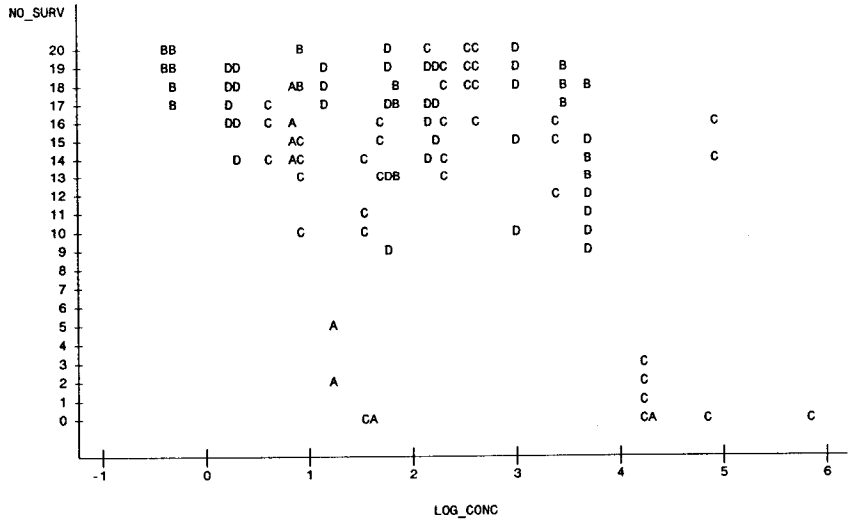
Plot of NO_SURV*LOG_CONC. Symbol is value of GROUP.



NOTE: 66 obs hidden.

---------- ANALYTE=44DDE ----------

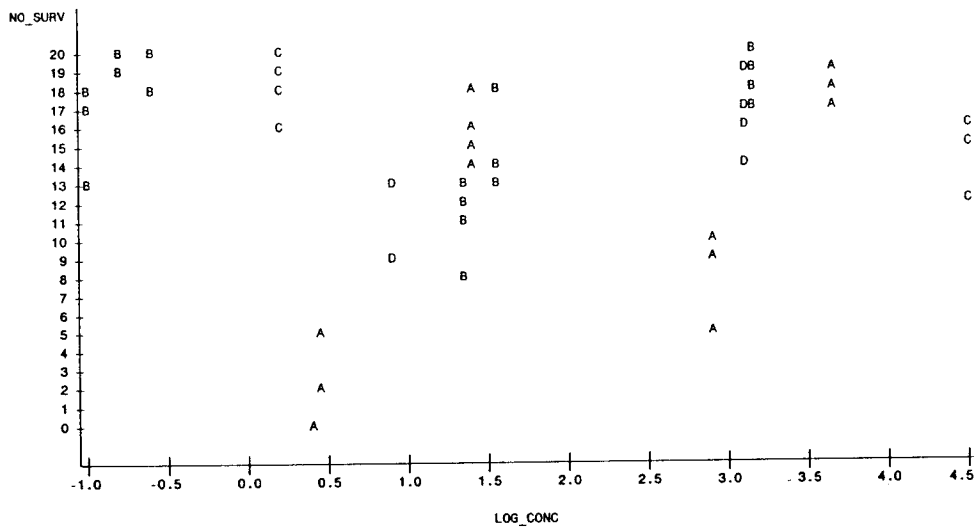
Plot of NO_SURV*LOG_CONC. Symbol is value of GROUP.



NOTE: 74 obs hidden.

---------- ANALYTE=44DDT ----------

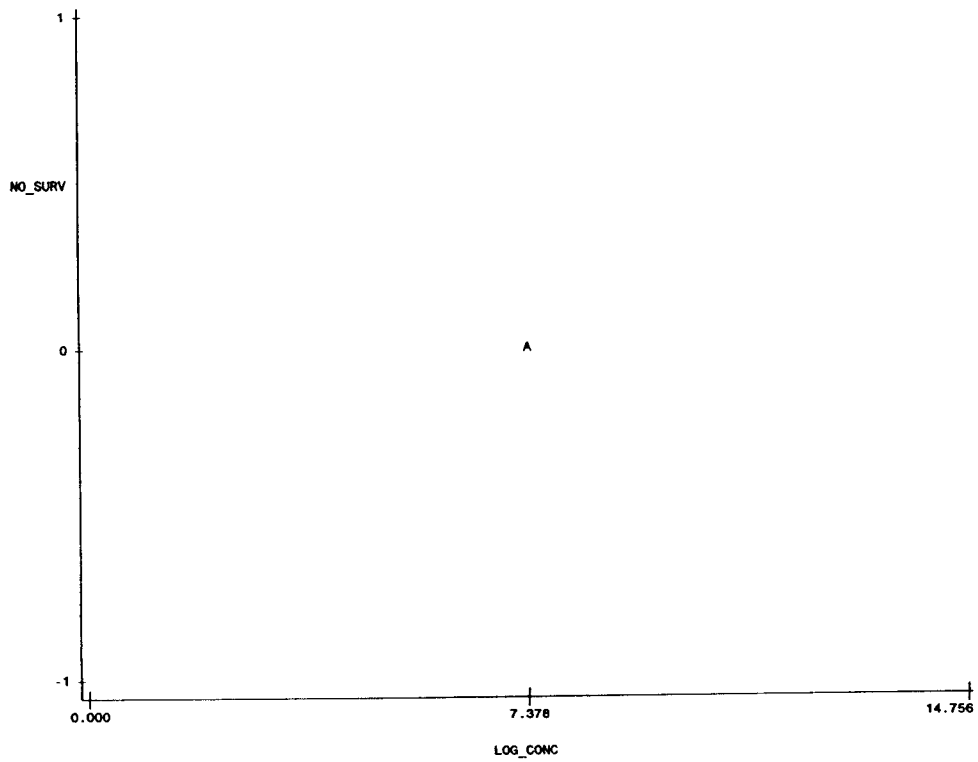
Plot of NO_SURV*LOG_CONC. Symbol is value of GROUP.



NOTE: 31 obs hidden.

---------- ANALYTE=4Methylp ----------

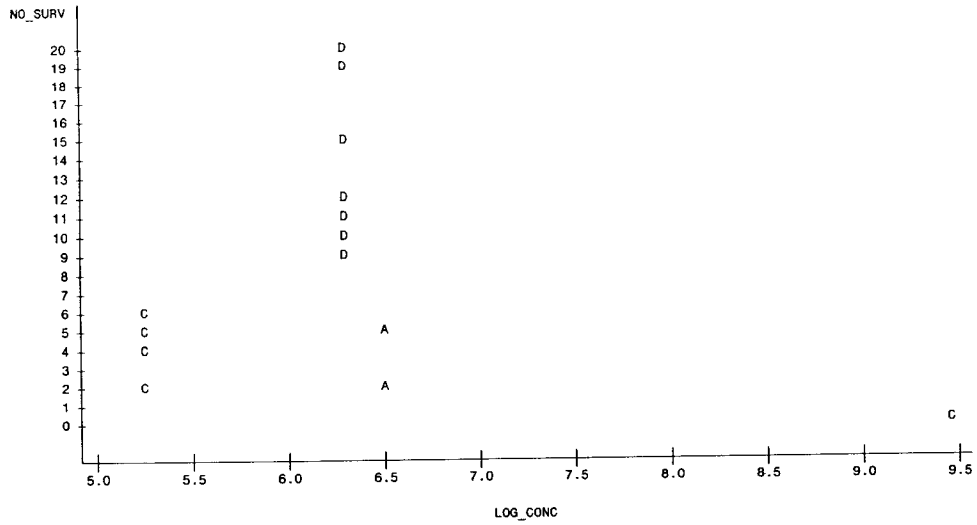
Plot of NO_SURV*LOG_CONC. Symbol is value of GROUP.



NOTE: 4 obs hidden.

---------- ANALYTE=4Nitroph ----------

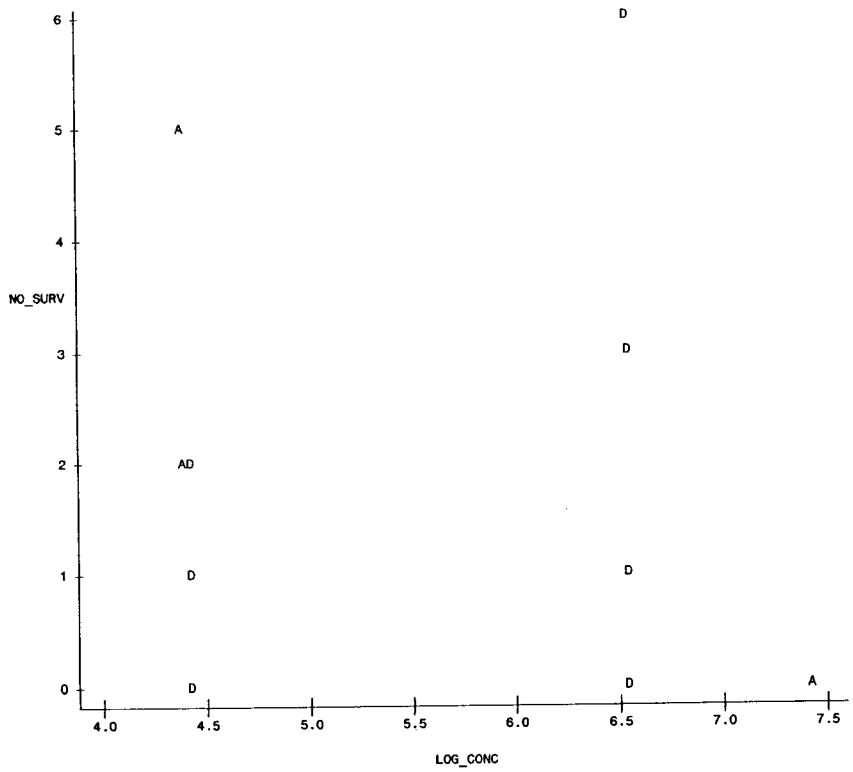
Plot of NO_SURV*LOG_CONC. Symbol is value of GROUP.



NOTE: 11 obs hidden.

---------- ANALYTE=Acenapht ----------

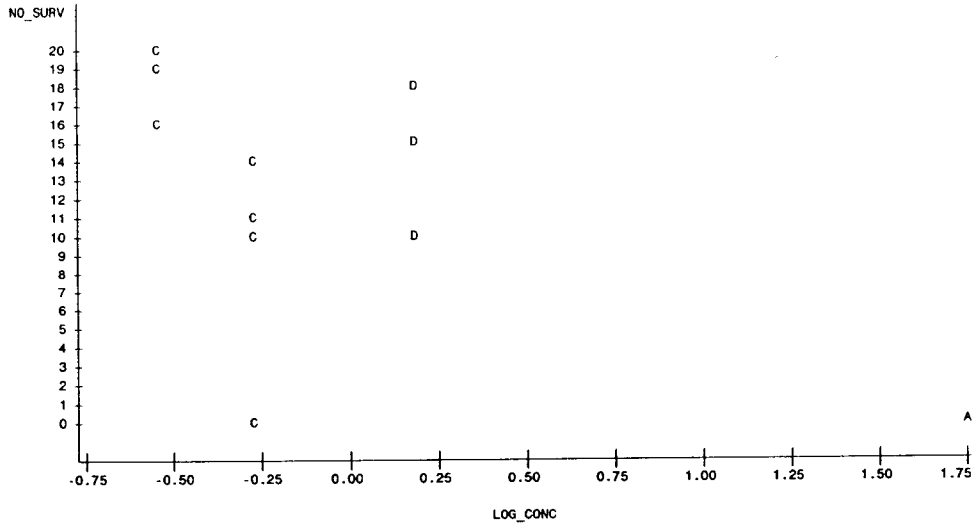
Plot of NO_SURV*LOG_CONC. Symbol is value of GROUP.



NOTE: 10 obs hidden.

---------- ANALYTE=Aldrin ----------

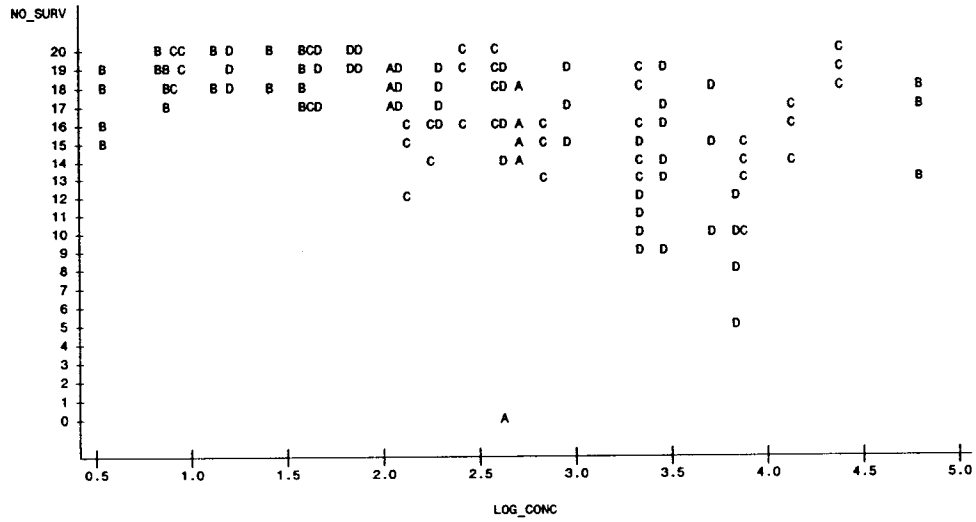
Plot of NO_SURV*LOG_CONC. Symbol is value of GROUP.



NOTE: 9 obs hidden.

---------- ANALYTE=Arsenic ----------

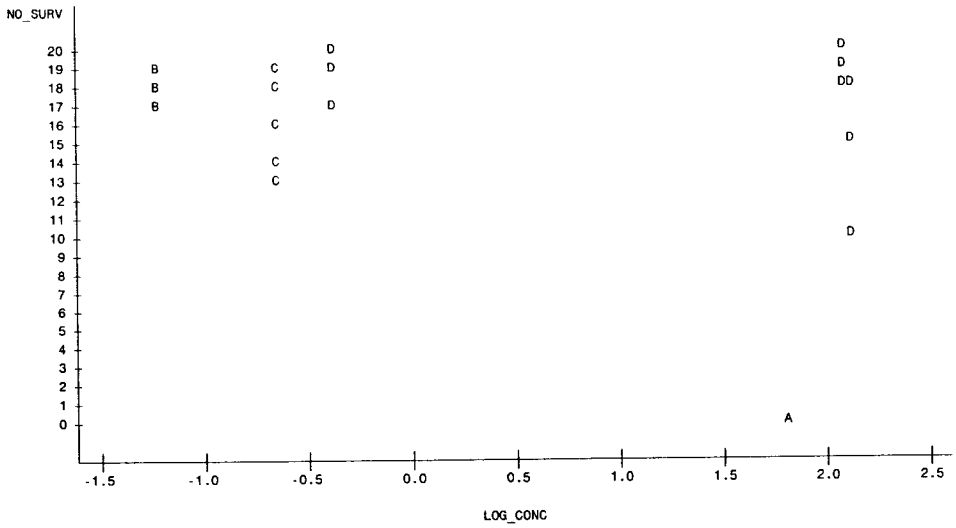
Plot of NO_SURV*LOG_CONC. Symbol is value of GROUP.



NOTE: 74 obs hidden.

---------- ANALYTE=BHCalpha ----------

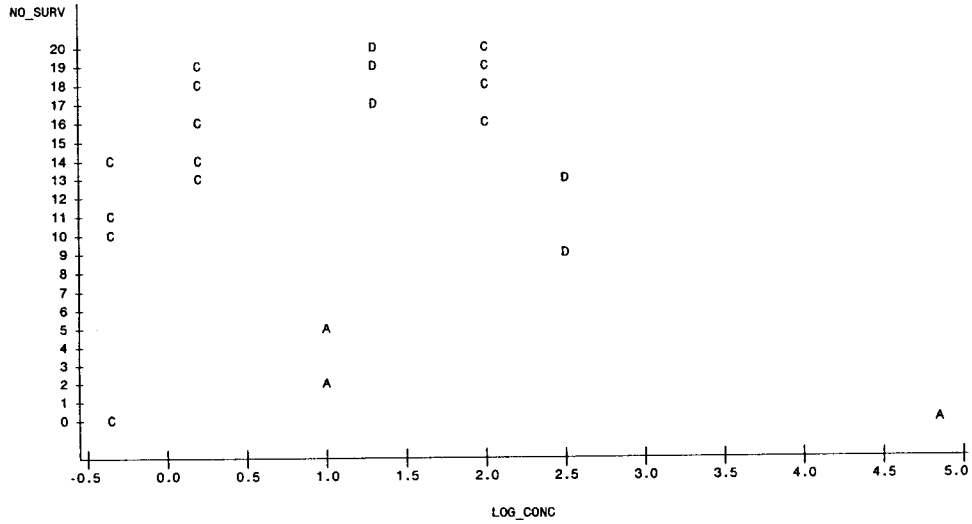
Plot of NO_SURV*LOG_CONC. Symbol is value of GROUP.



NOTE: 12 obs hidden.

---------- ANALYTE=BHCbeta ----------

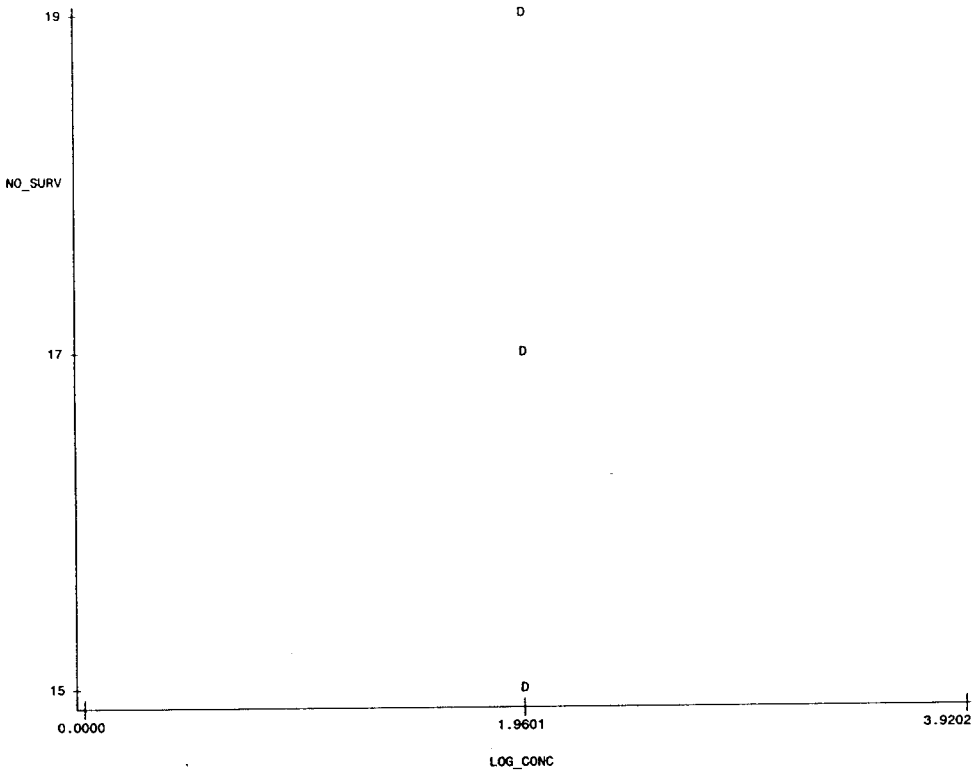
Plot of NO_SURV*LOG_CONC. Symbol is value of GROUP.



NOTE: 19 obs hidden.

---------- ANALYTE=BHCdelta ----------

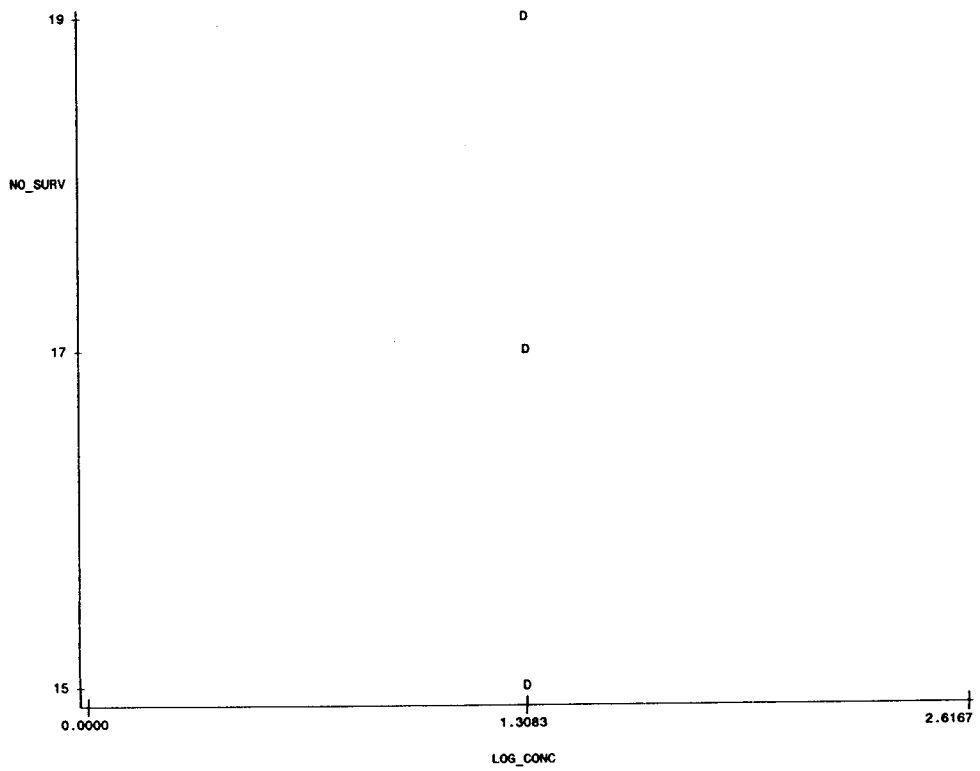
Plot of NO_SURV*LOG_CONC. Symbol is value of GROUP.



NOTE: 2 obs hidden.

---------- ANALYTE=BHCgamma ----------

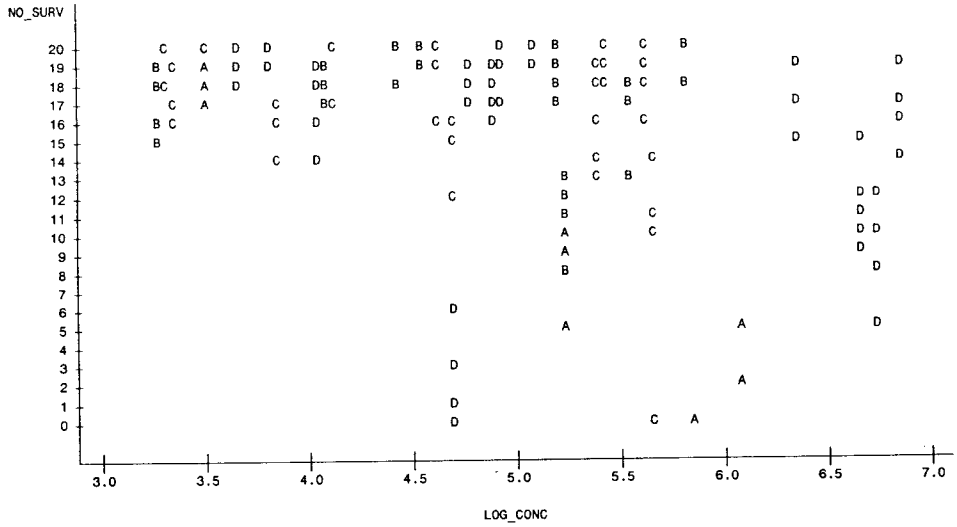
Plot of NO_SURV*LOG_CONC. Symbol is value of GROUP.



NOTE: 2 obs hidden.

---------- ANALYTE=Barium ----------

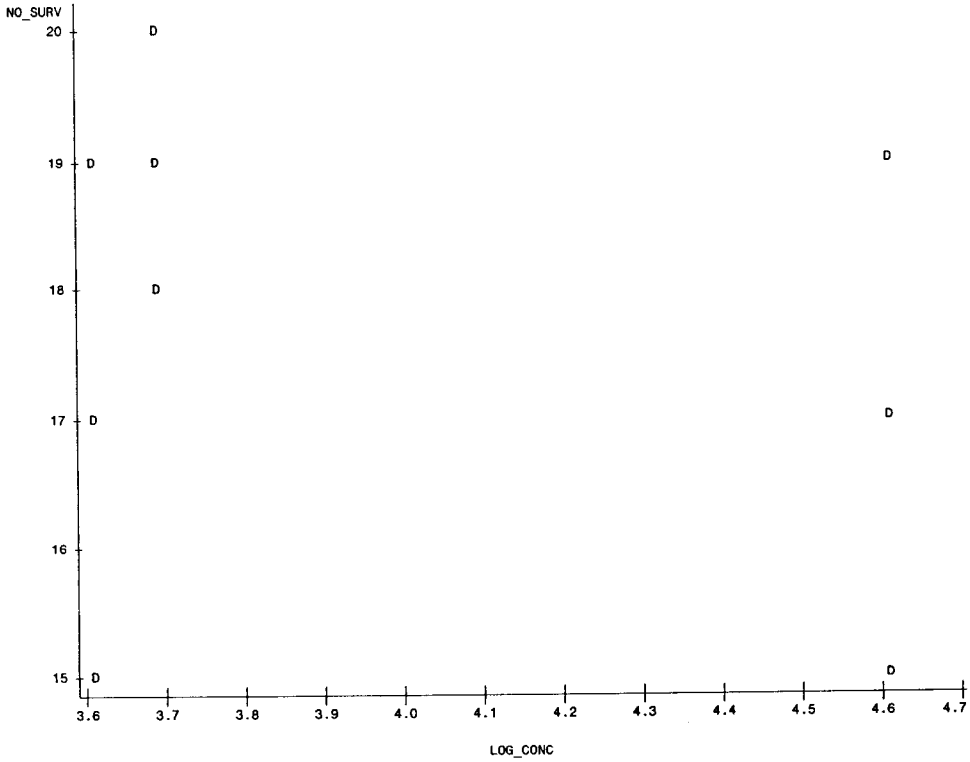
Plot of NO_SURV*LOG_CONC. Symbol is value of GROUP.



NOTE: 68 obs hidden.

---------- ANALYTE=Benzo(a) ----------

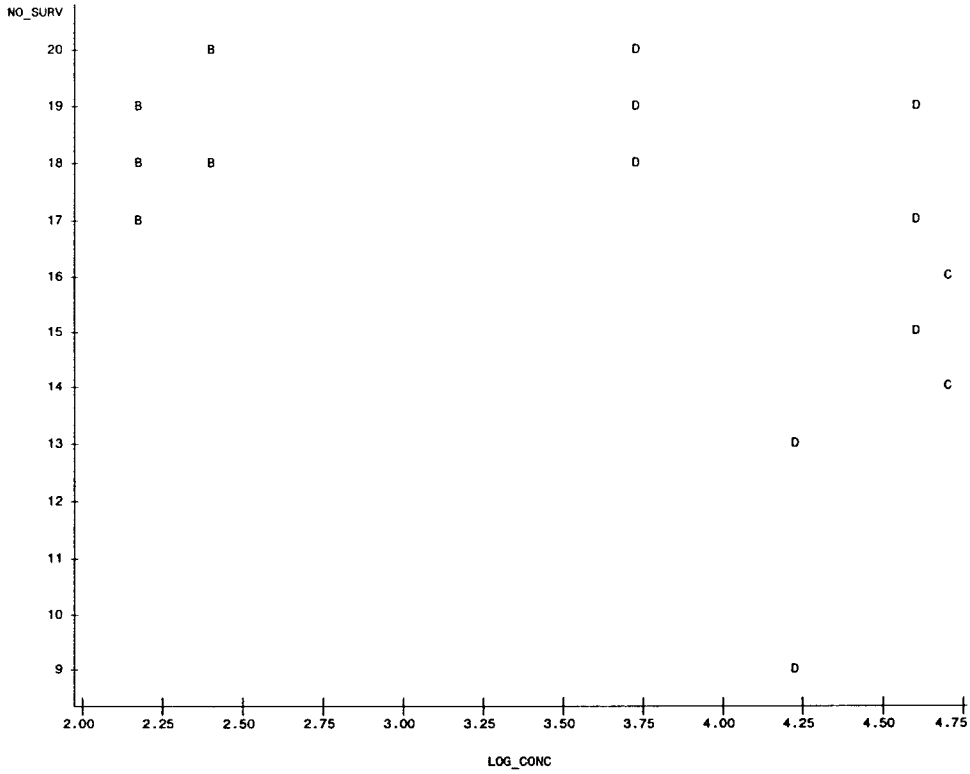
Plot of NO_SURV*LOG_CONC. Symbol is value of GROUP.



NOTE: 11 obs hidden.

ANALYTE=Benzo(b)

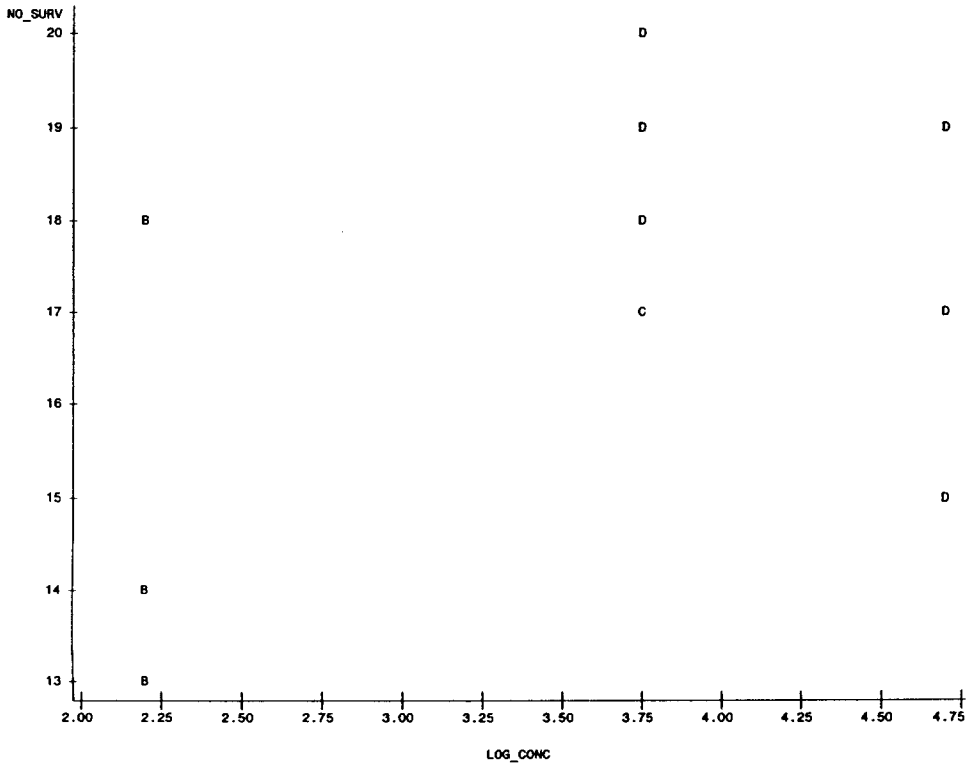
Plot of NO_SURV*LOG_CONC. Symbol is value of GROUP.



NOTE: 15 obs hidden.

ANALYTE=Benzo(e)

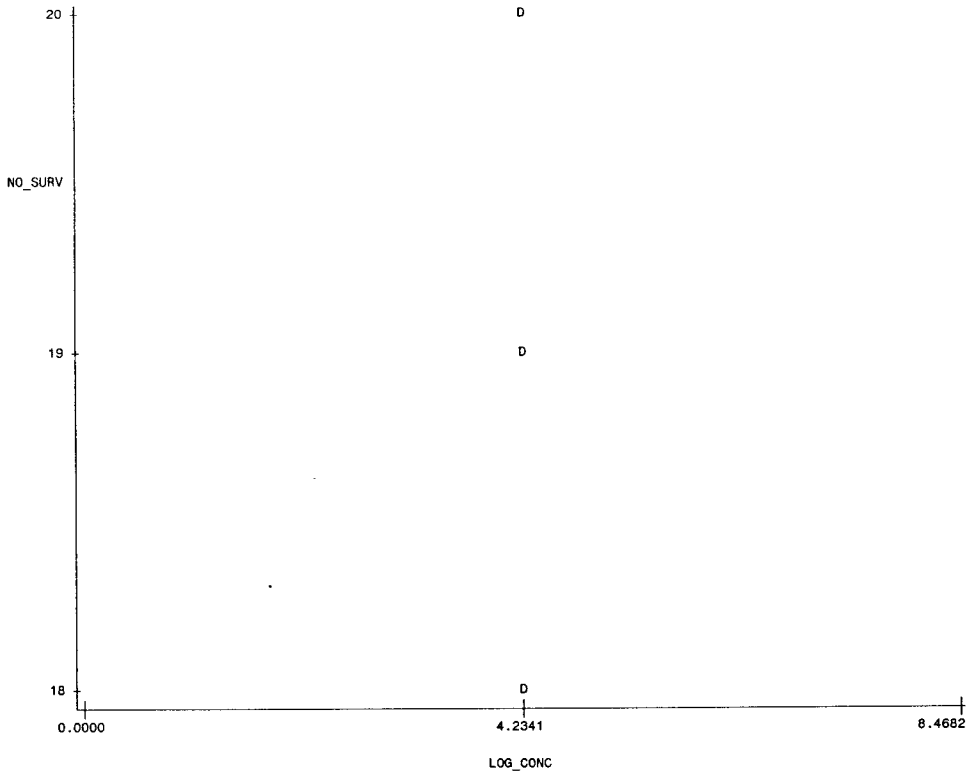
Plot of NO_SURV*LOG_CONC. Symbol is value of GROUP.



NOTE: 10 obs hidden.

---------- ANALYTE=Benzo(gh ----------

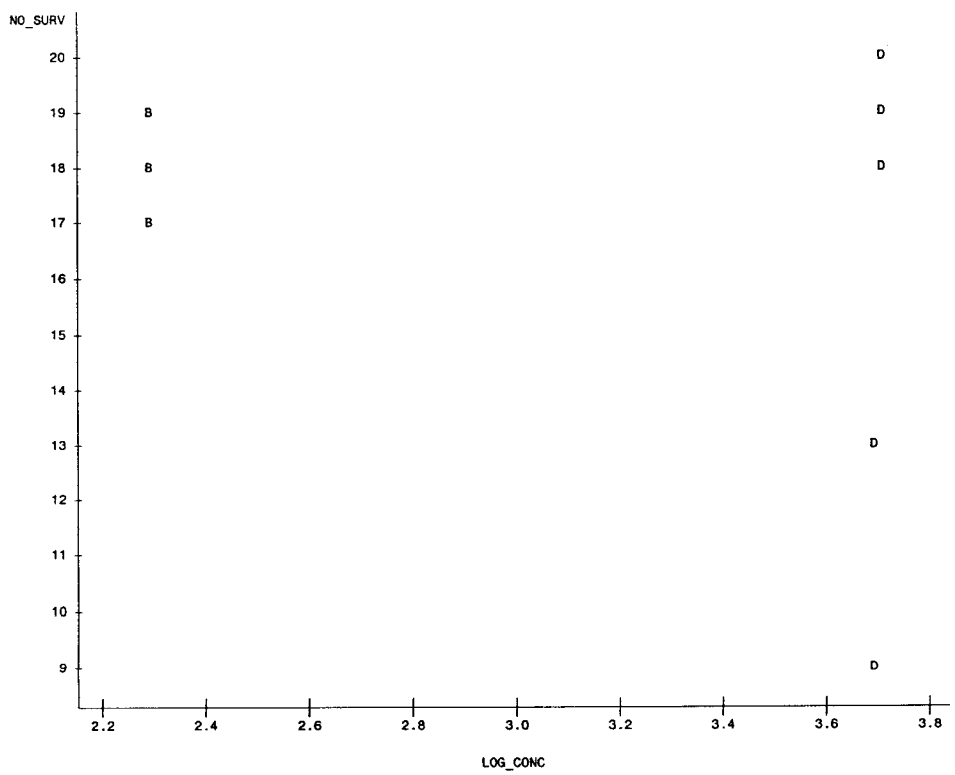
Plot of NO_SURV*LOG_CONC. Symbol is value of GROUP.



NOTE: 2 obs hidden.

---------- ANALYTE=Benzo(k) ----------

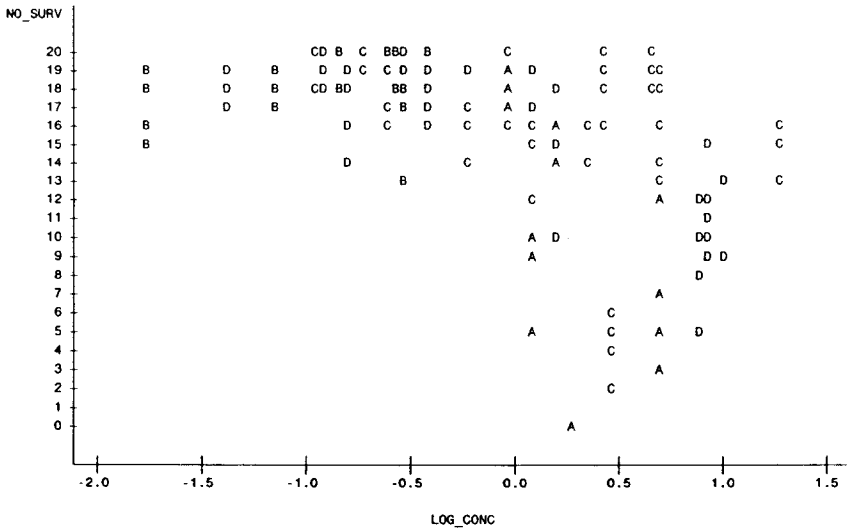
Plot of NO_SURV*LOG_CONC. Symbol is value of GROUP.



NOTE: 7 obs hidden.

---------- ANALYTE=Berylliu ----------

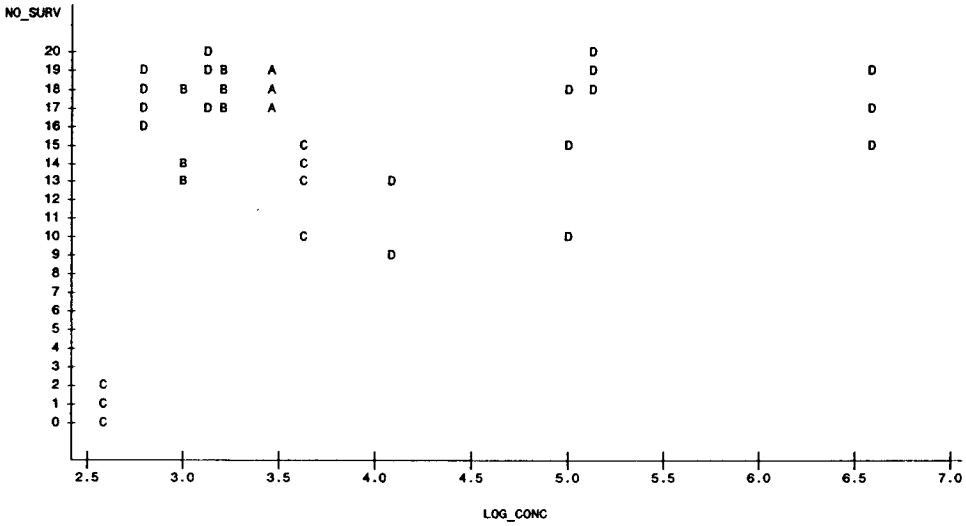
Plot of NO_SURV*LOG_CONC. Symbol is value of GROUP.



NOTE: 82 obs hidden.

---------- ANALYTE=Butylben ----------

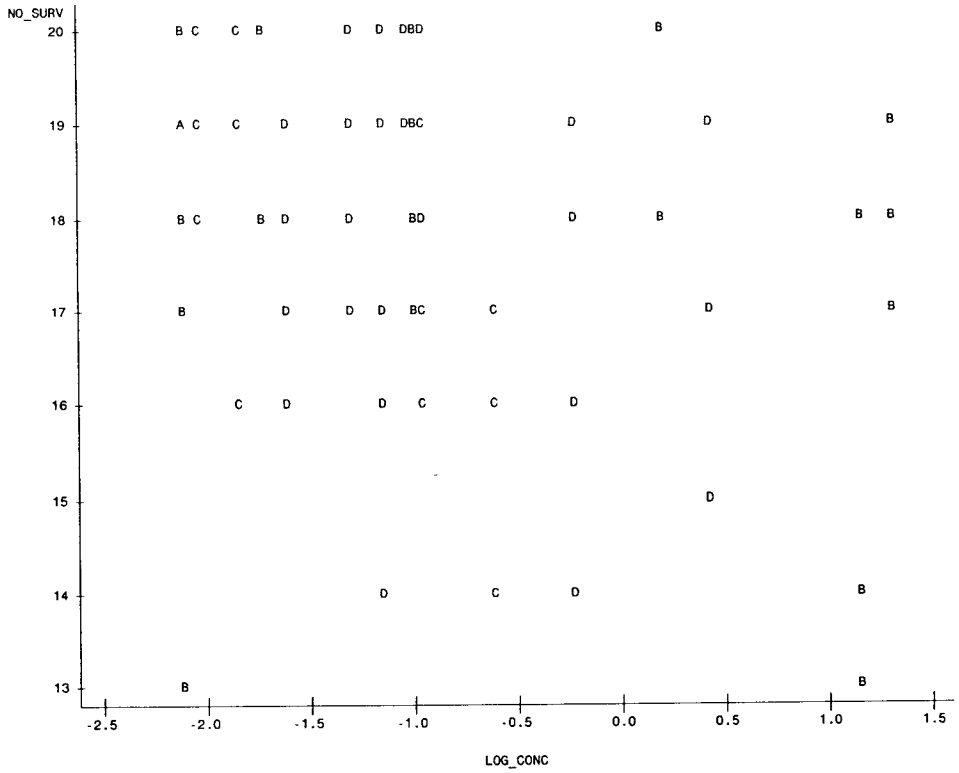
Plot of NO_SURV*LOG_CONC. Symbol is value of GROUP.



NOTE: 21 obs hidden.

---------- ANALYTE=Cadmium ----------

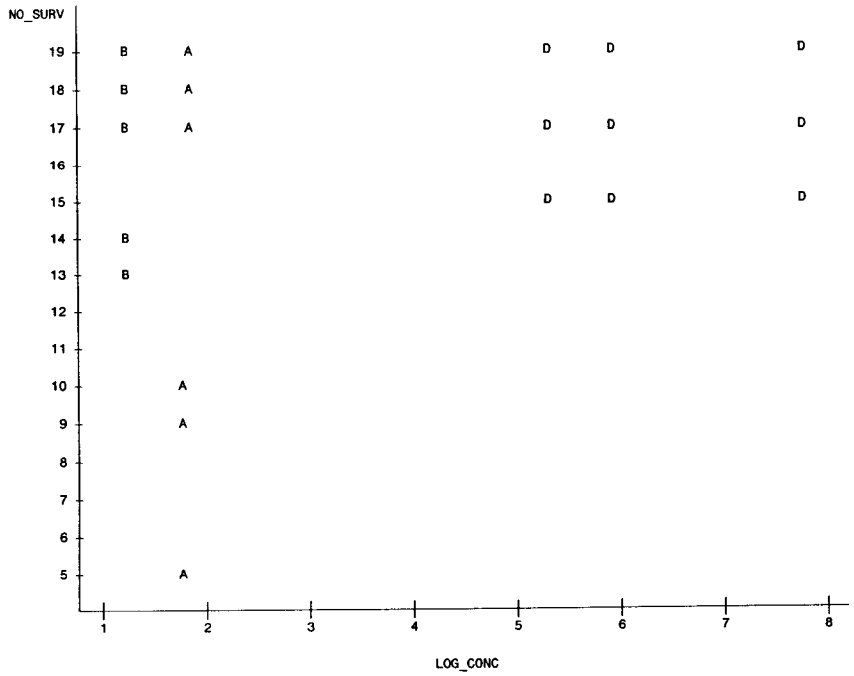
Plot of NO_SURV*LOG_CONC. Symbol is value of GROUP.



NOTE: 55 obs hidden.

---------- ANALYTE=Chlordan ----------

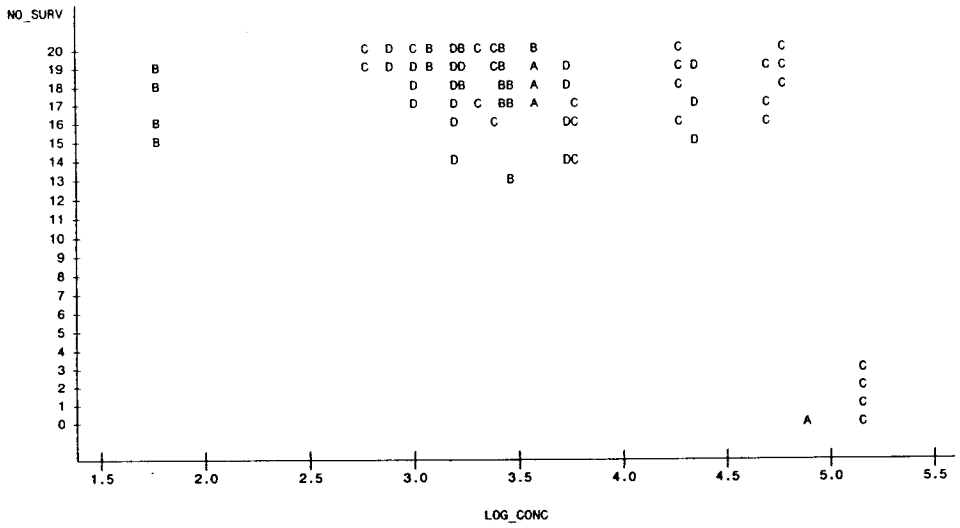
Plot of NO_SURV*LOG_CONC. Symbol is value of GROUP.



NOTE: 15 obs hidden.

---------- ANALYTE=Chromium ----------

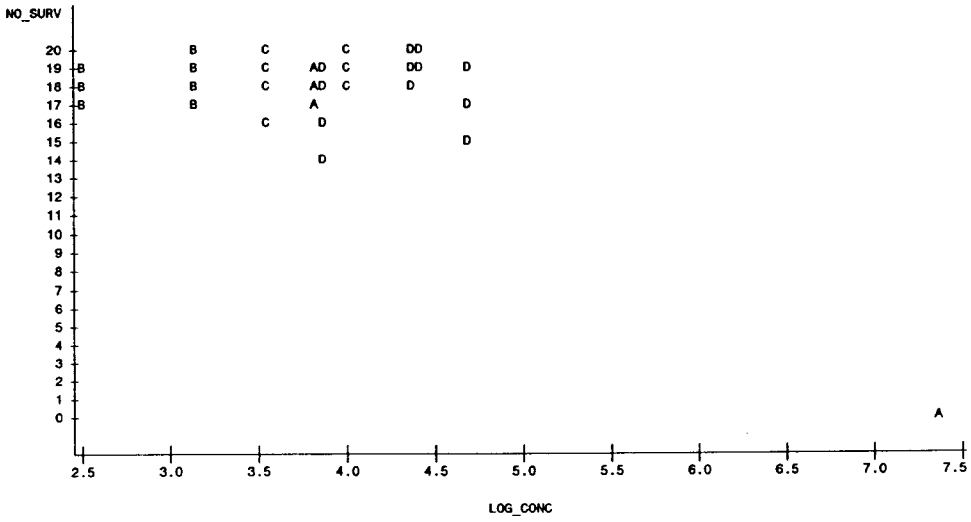
Plot of NO_SURV*LOG_CONC. Symbol is value of GROUP.



NOTE: 76 obs hidden.

---------- ANALYTE=Chrysene ----------

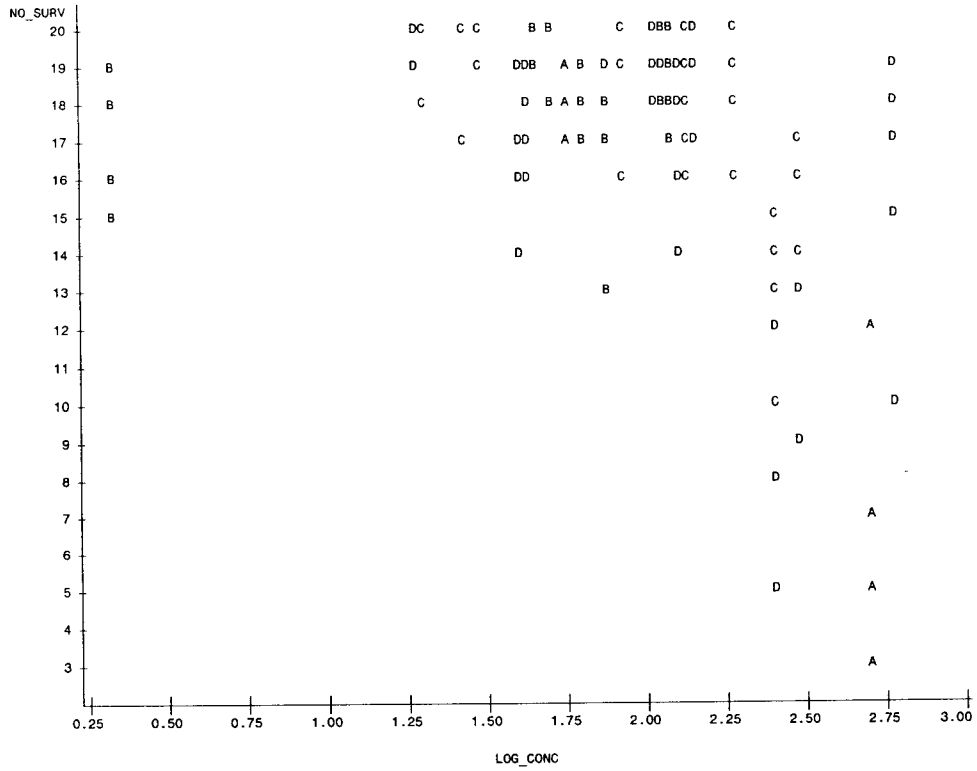
Plot of NO_SURV*LOG_CONC. Symbol is value of GROUP.



NOTE: 25 obs hidden.

---------- ANALYTE=Cobalt ----------

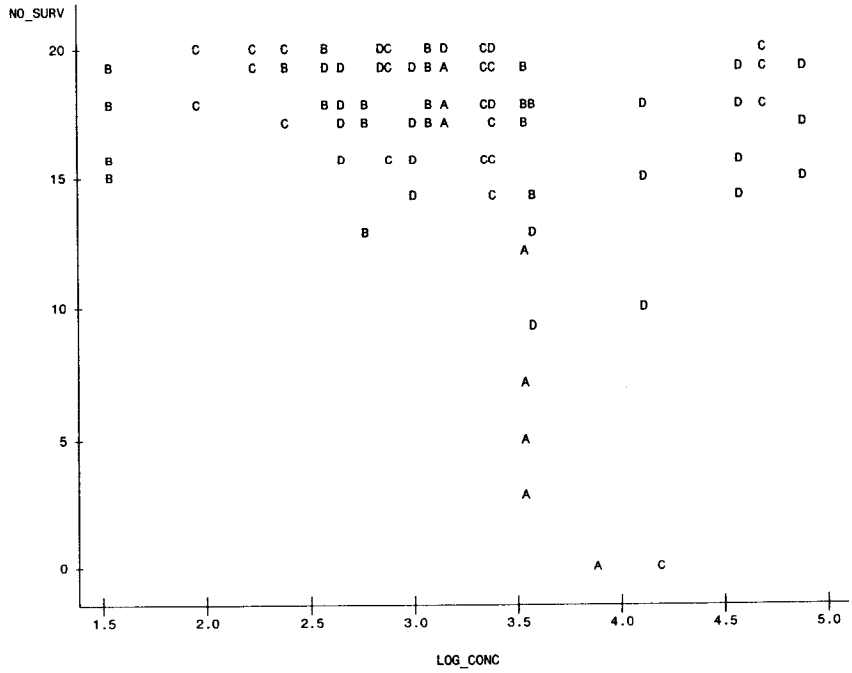
Plot of NO_SURV*LOG_CONC. Symbol is value of GROUP.



NOTE: 66 obs hidden.

---------- ANALYTE=Copper ----------

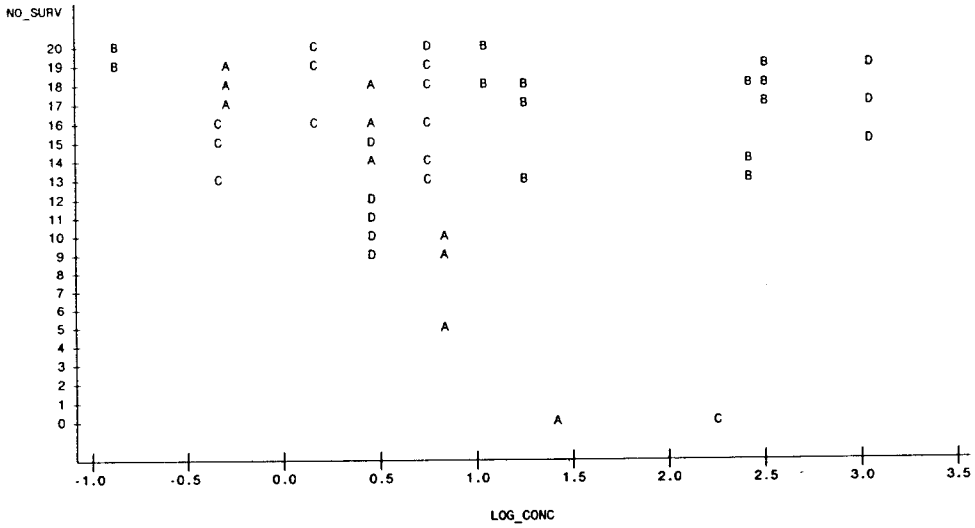
Plot of NO_SURV*LOG_CONC. Symbol is value of GROUP.



NOTE: 81 obs hidden.

ANALYTE=Dieldrin

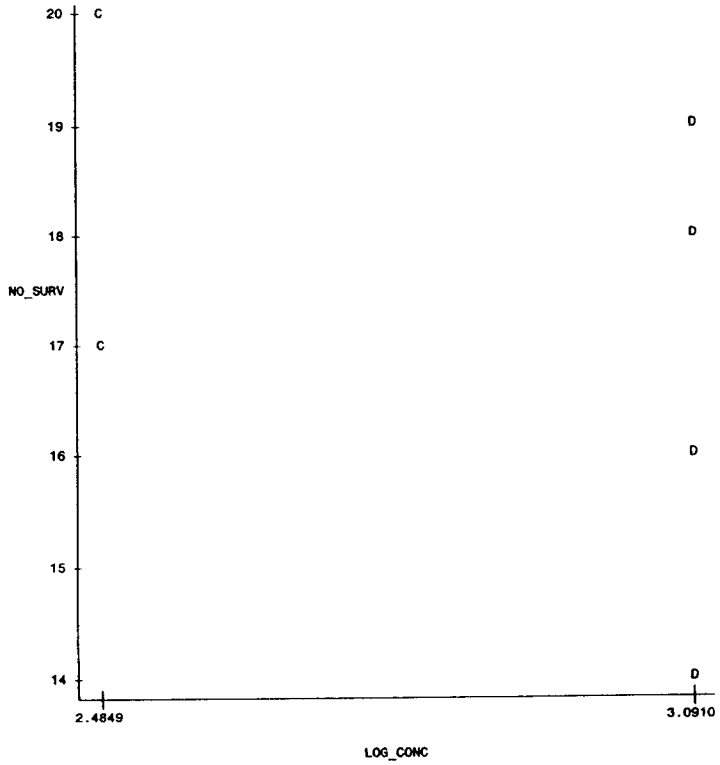
Plot of NO_SURV*LOG_CONC. Symbol is value of GROUP.



NOTE: 36 obs hidden.

ANALYTE=Dimethyl

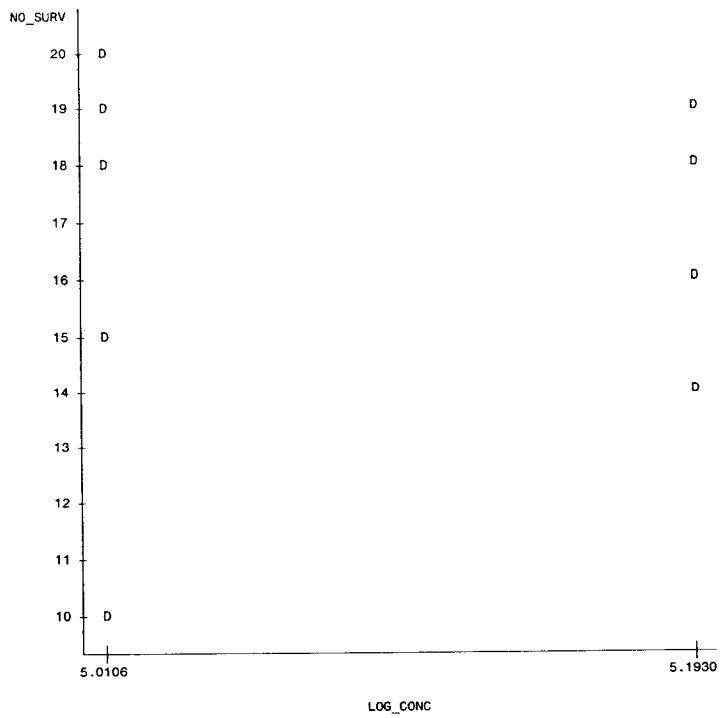
Plot of NO_SURV*LOG_CONC. Symbol is value of GROUP.



NOTE: 4 obs hidden.

---------- ANALYTE=Dinbutyl ----------

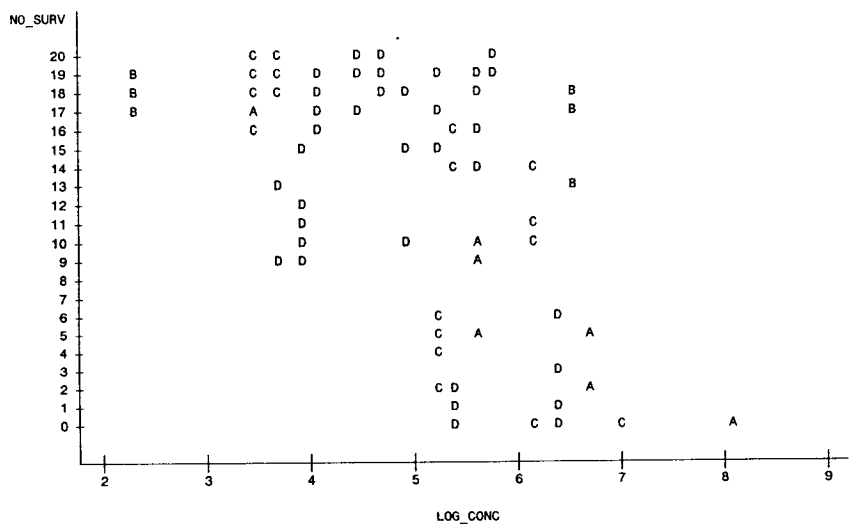
Plot of NO_SURV*LOG_CONC. Symbol is value of GROUP.



NOTE: 6 obs hidden.

---------- ANALYTE=Dinoctyl ----------

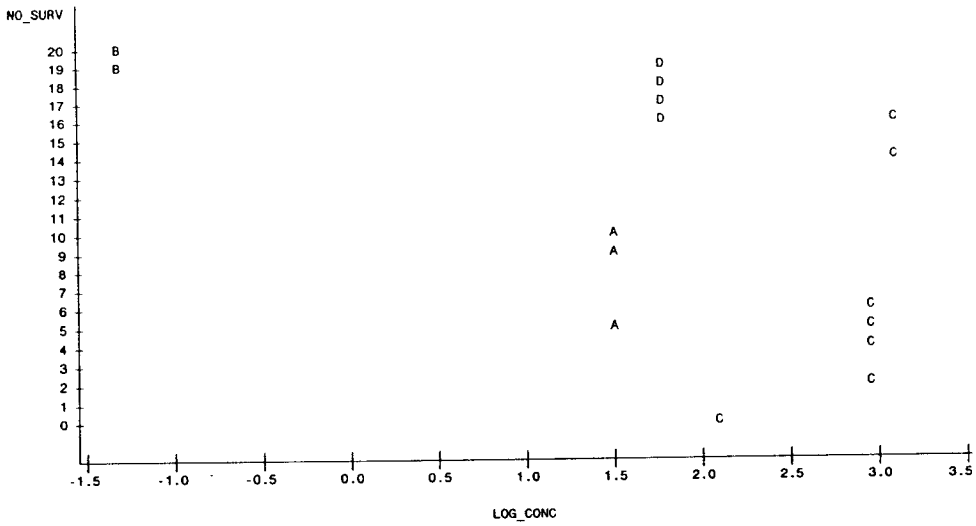
Plot of NO_SURV*LOG_CONC. Symbol is value of GROUP.



NOTE: 48 obs hidden.

---------- ANALYTE=Endrin ----------

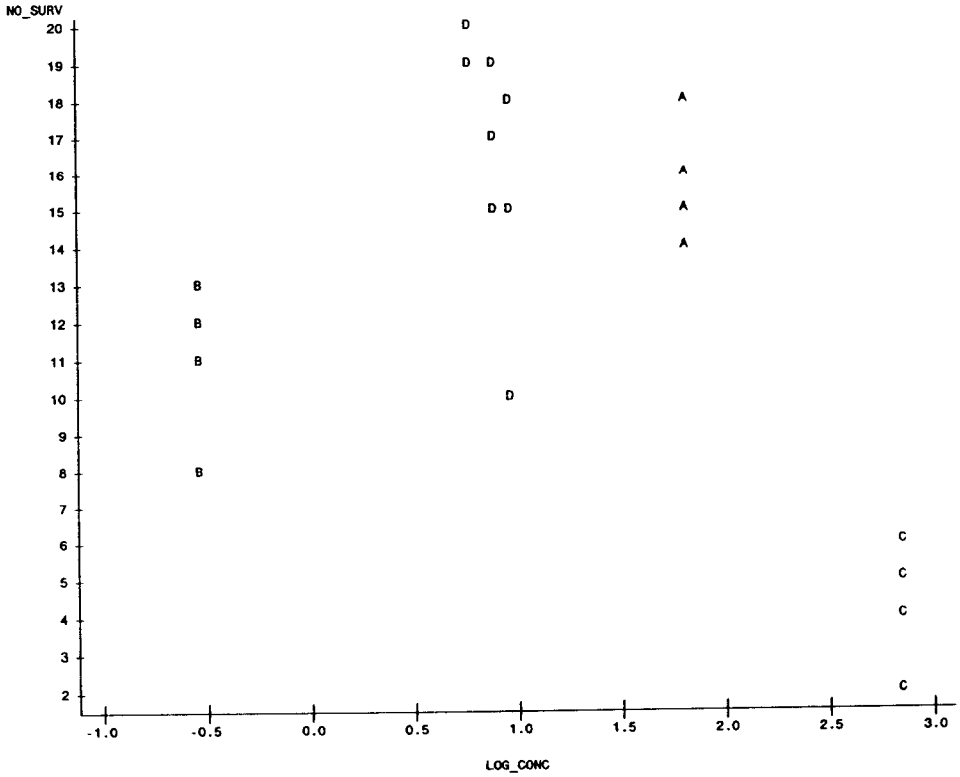
Plot of NO_SURV*LOG_CONC. Symbol is value of GROUP.



NOTE: 14 obs hidden.

---------- ANALYTE=Endrinal ----------

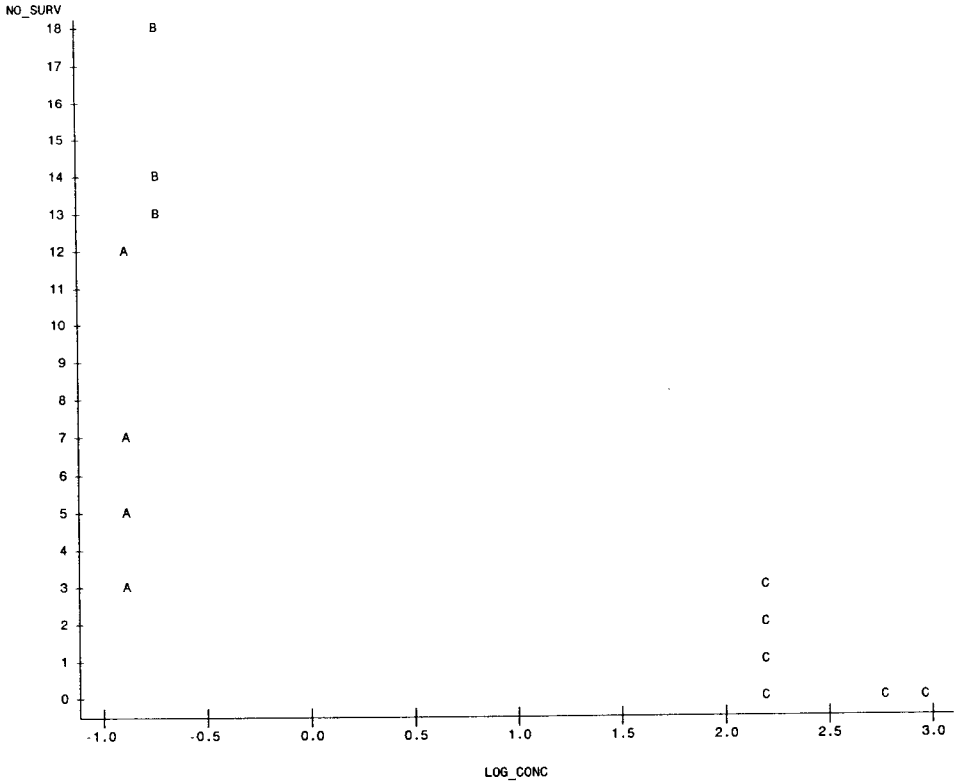
Plot of NO_SURV*LOG_CONC. Symbol is value of GROUP.



NOTE: 10 obs hidden.

---------- ANALYTE=Endrinke ----------

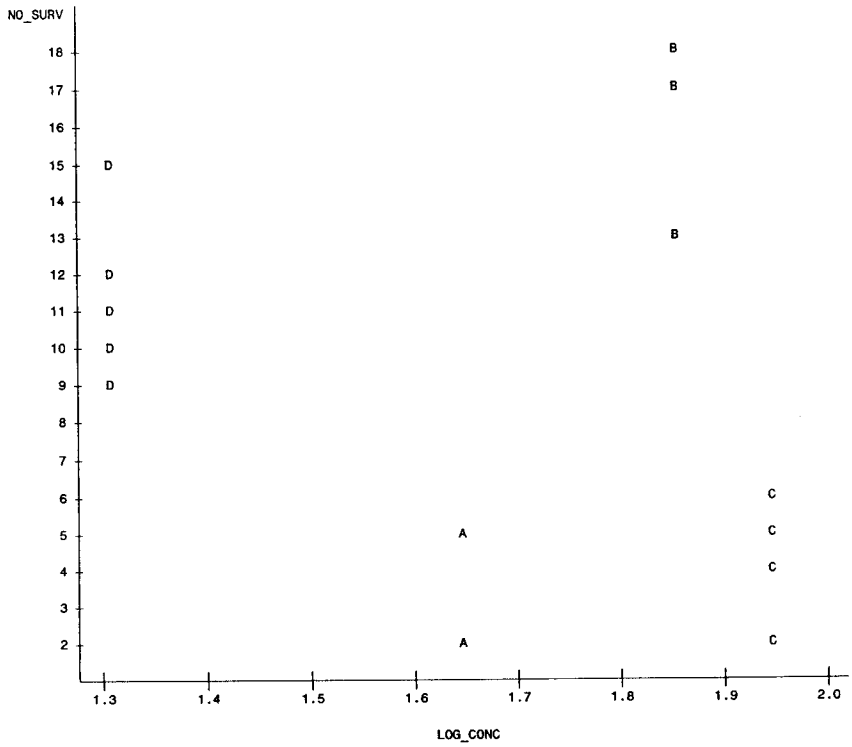
Plot of NO_SURV*LOG_CONC. Symbol is value of GROUP.



NOTE: 12 obs hidden.

---------- ANALYTE=EndslfI ----------

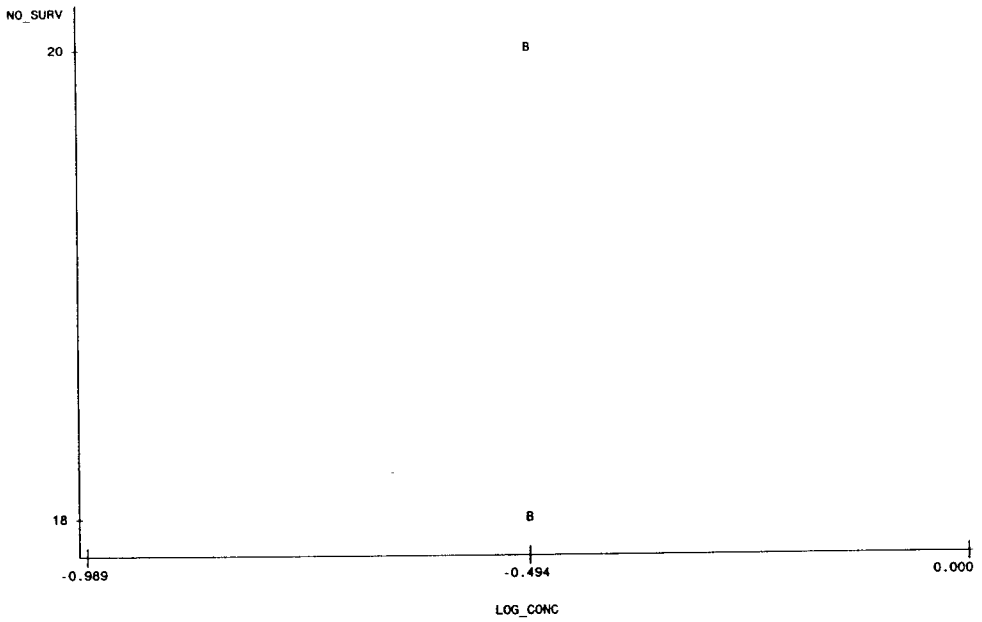
Plot of NO_SURV*LOG_CONC. Symbol is value of GROUP.



NOTE: 6 obs hidden.

---------- ANALYTE=EndslfII ----------

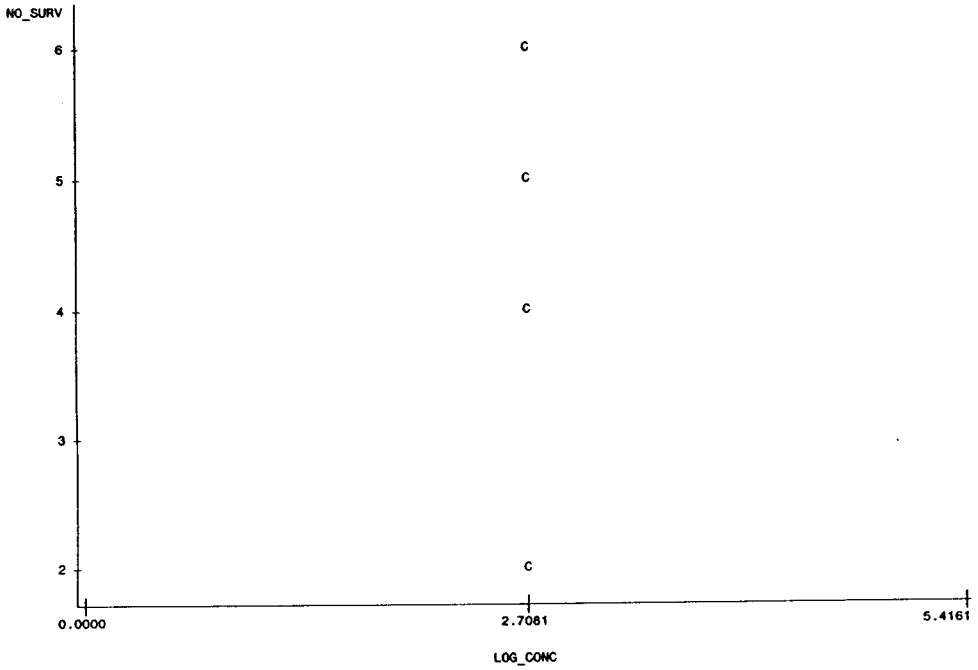
Plot of NO_SURV*LOG_CONC. Symbol is value of GROUP.



NOTE: 3 obs hidden.

---------- ANALYTE=Endslfsu ----------

Plot of NO_SURV*LOG_CONC. Symbol is value of GROUP.

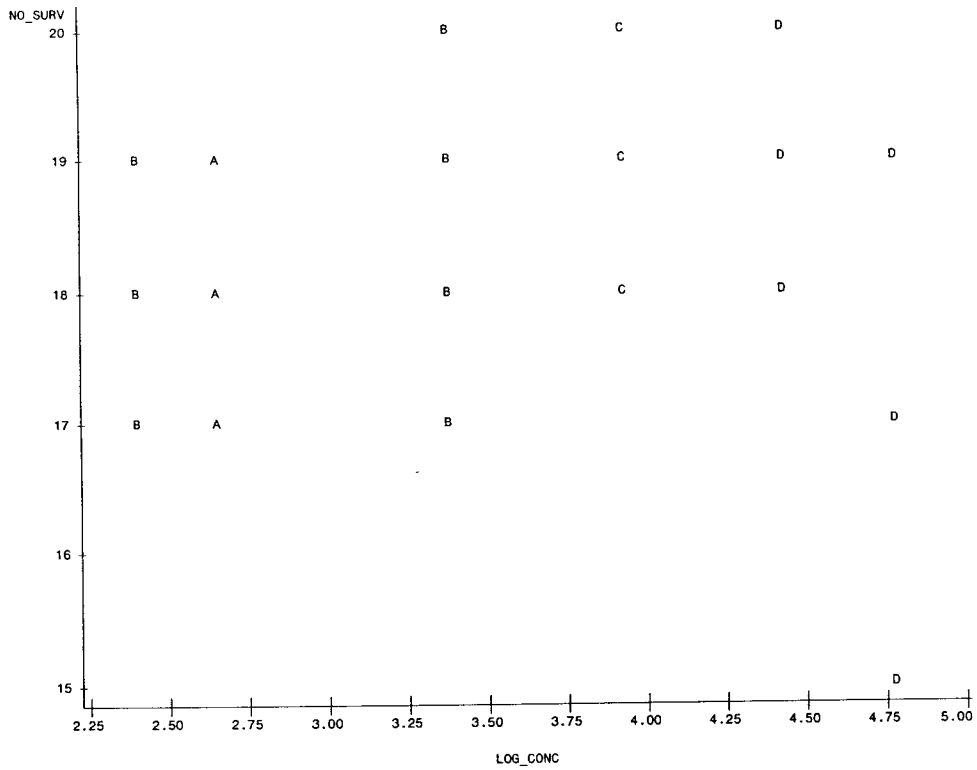


NOTE: 1 obs hidden.

Plot of revised data for amphipod survival- log transformed data
a= d+y, b= d+n, c= w+y, d= w+n 13:40 Tuesday, October 26, 1999

---------- ANALYTE=Fluorant ----------

Plot of NO_SURV*LOG_CONC. Symbol is value of GROUP.

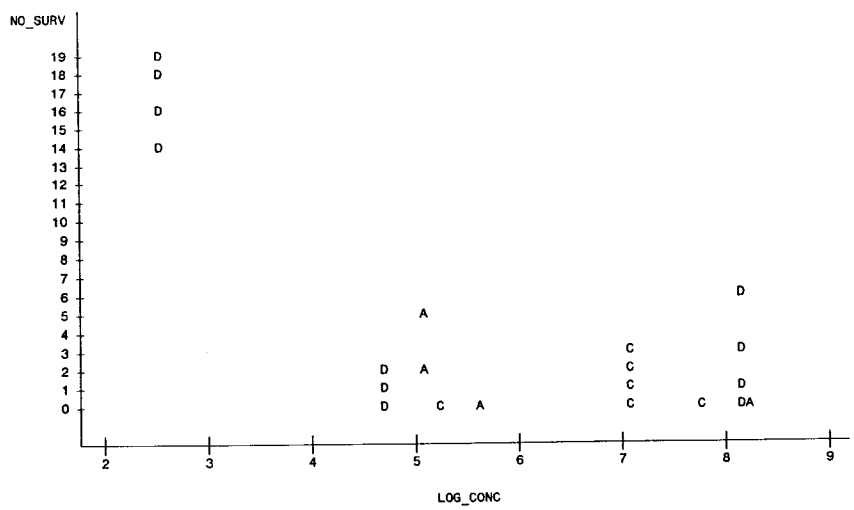


NOTE: 11 obs hidden.

Plot of revised data for amphipod survival- log transformed data
a= d+y, b= d+n, c= w+y, d= w+n 13:40 Tuesday, October 26, 1999

---------- ANALYTE=Fluorene ----------

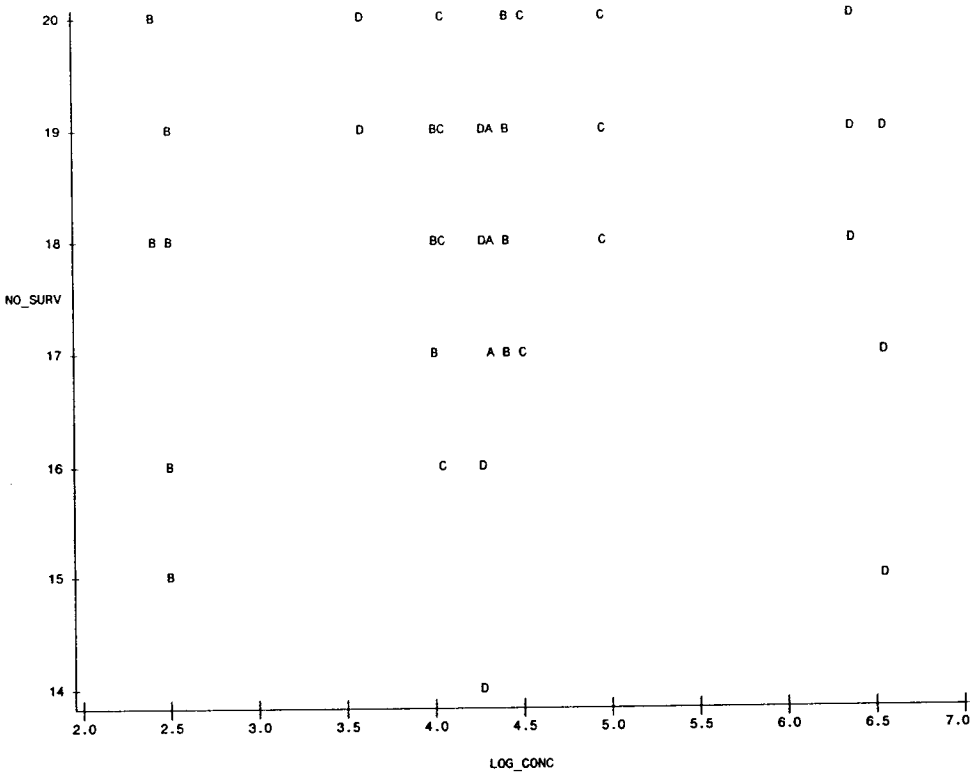
Plot of NO_SURV*LOG_CONC. Symbol is value of GROUP.



NOTE: 24 obs hidden.

---------- ANALYTE=HighMWPA ----------

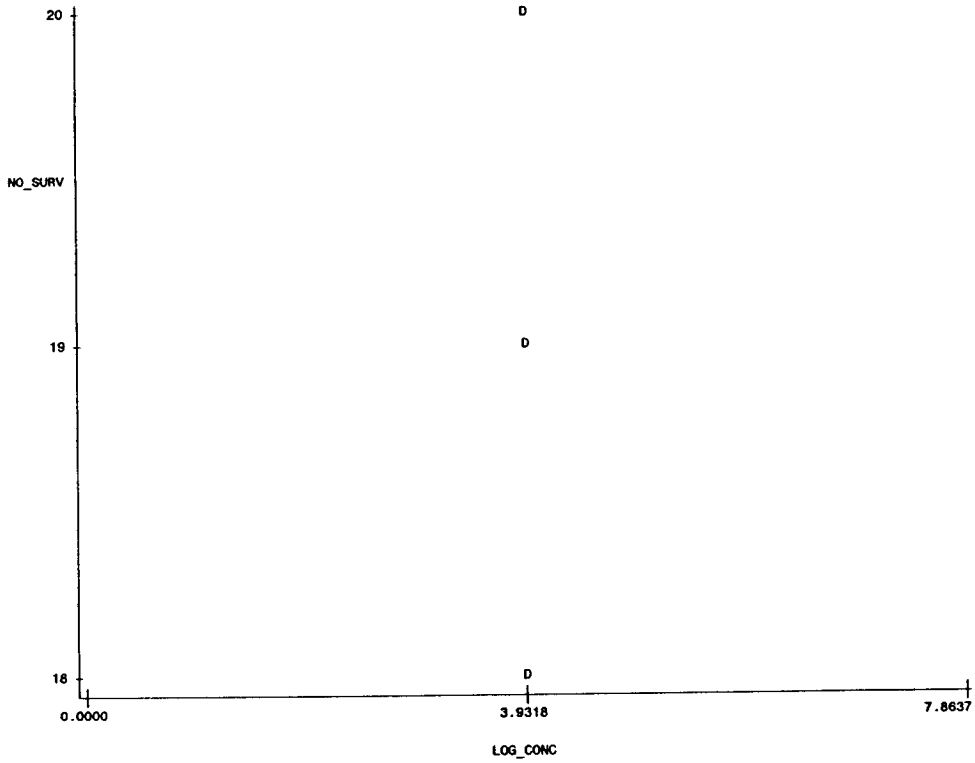
Plot of NO_SURV*LOG_CONC. Symbol is value of GROUP.



NOTE: 28 obs hidden.

---------- ANALYTE=Indeno(1 ----------

Plot of NO_SURV*LOG_CONC. Symbol is value of GROUP.

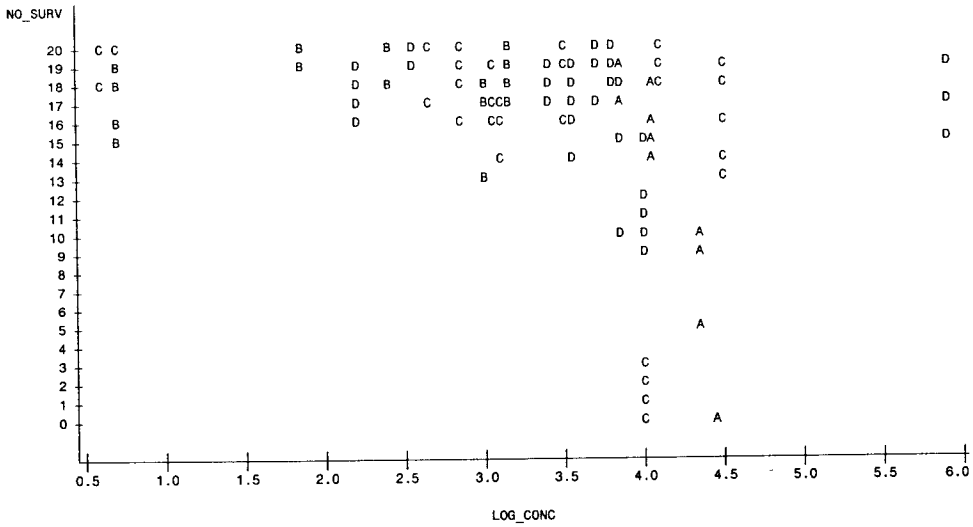


NOTE: 2 obs hidden.

Plot of revised data for amphipod survival- log transformed data
a= d+y, b= d+n, c= w+y, d= w+n 13:40 Tuesday, October 26, 1999

---------- ANALYTE=Lead ----------

Plot of NO_SURV*LOG_CONC. Symbol is value of GROUP.

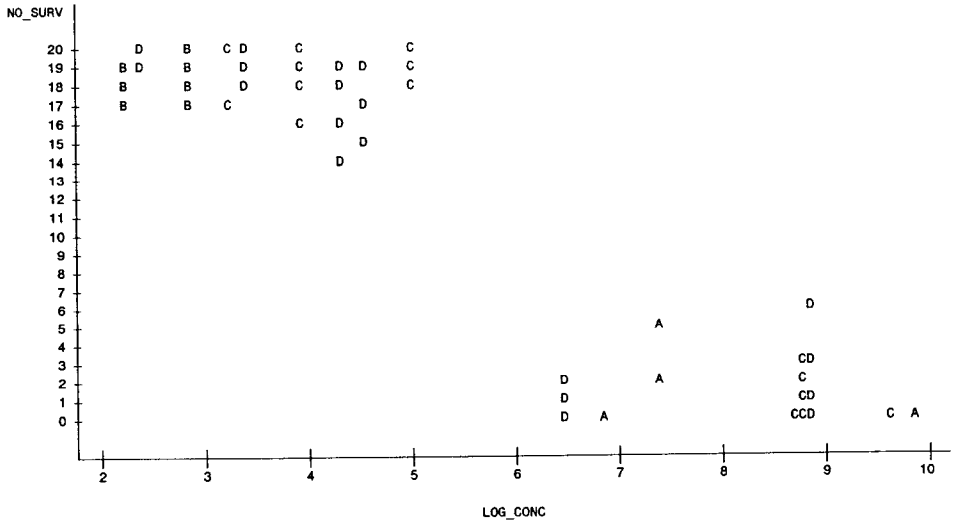


NOTE: 74 obs hidden.

Plot of revised data for amphipod survival- log transformed data
a= d+y, b= d+n, c= w+y, d= w+n 13:40 Tuesday, October 26, 1999

---------- ANALYTE=LoMWPAHs ----------

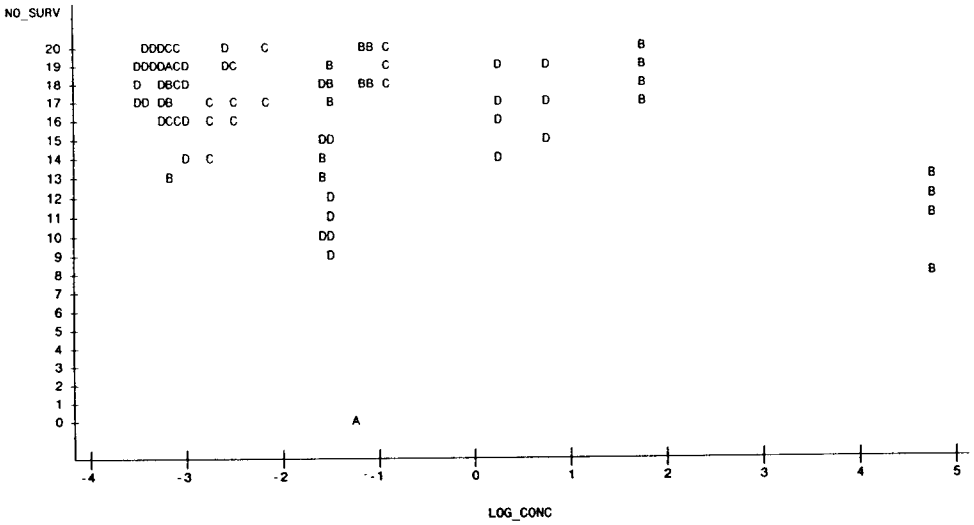
Plot of NO_SURV*LOG_CONC. Symbol is value of GROUP.



NOTE: 40 obs hidden.

---------- ANALYTE=Mercury ----------

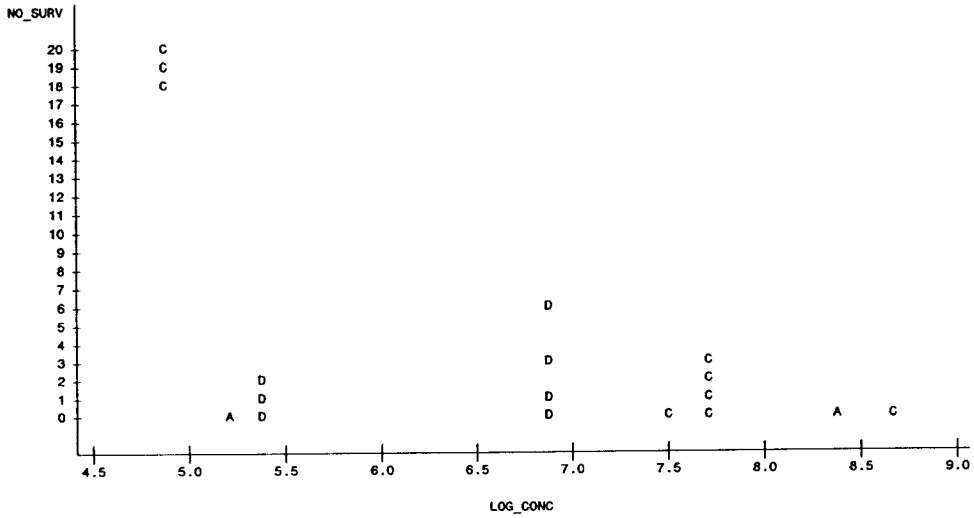
Plot of NO_SURV*LOG_CONC. Symbol is value of GROUP.



NOTE: 57 obs hidden.

---------- ANALYTE=Naphthal ----------

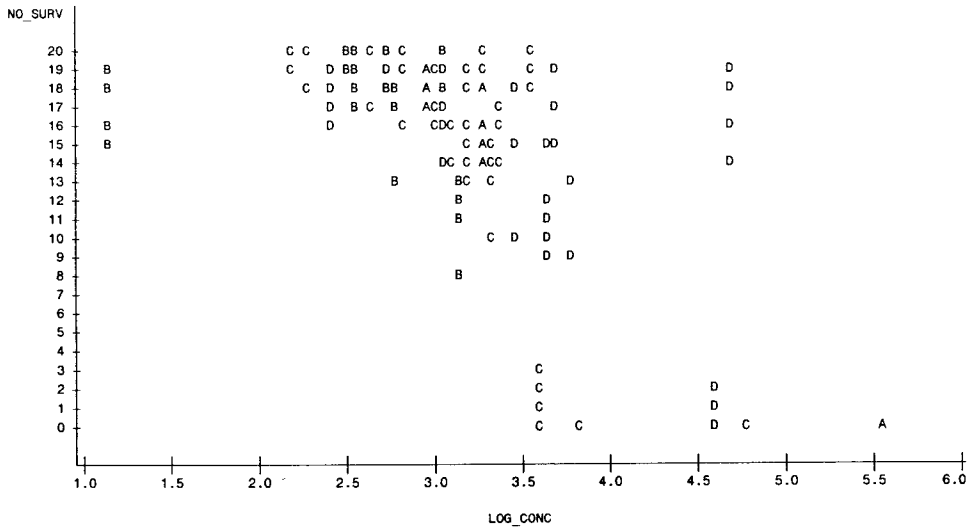
Plot of NO_SURV*LOG_CONC. Symbol is value of GROUP.



NOTE: 22 obs hidden.

---------- ANALYTE=Nickel ----------

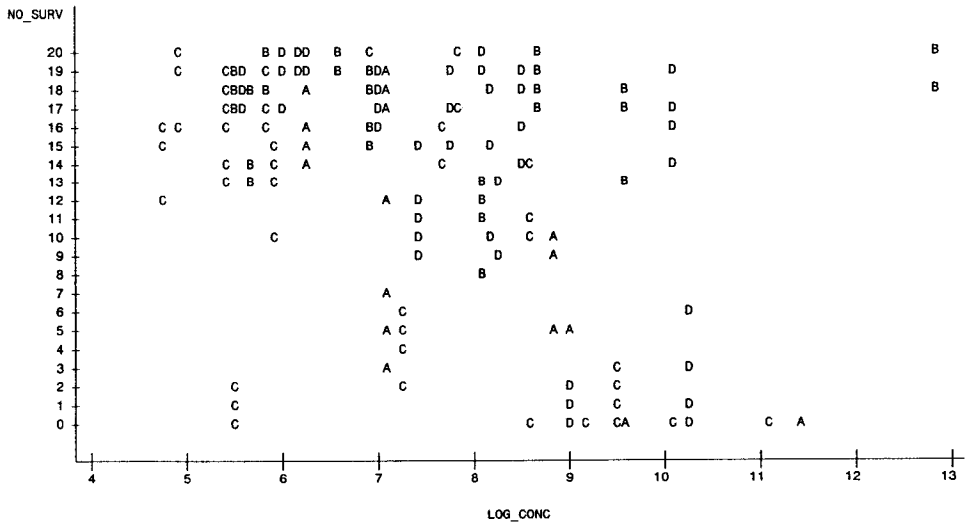
Plot of NO_SURV*LOG_CONC. Symbol is value of GROUP.



NOTE: 99 obs hidden.

---------- ANALYTE=OilandGr ----------

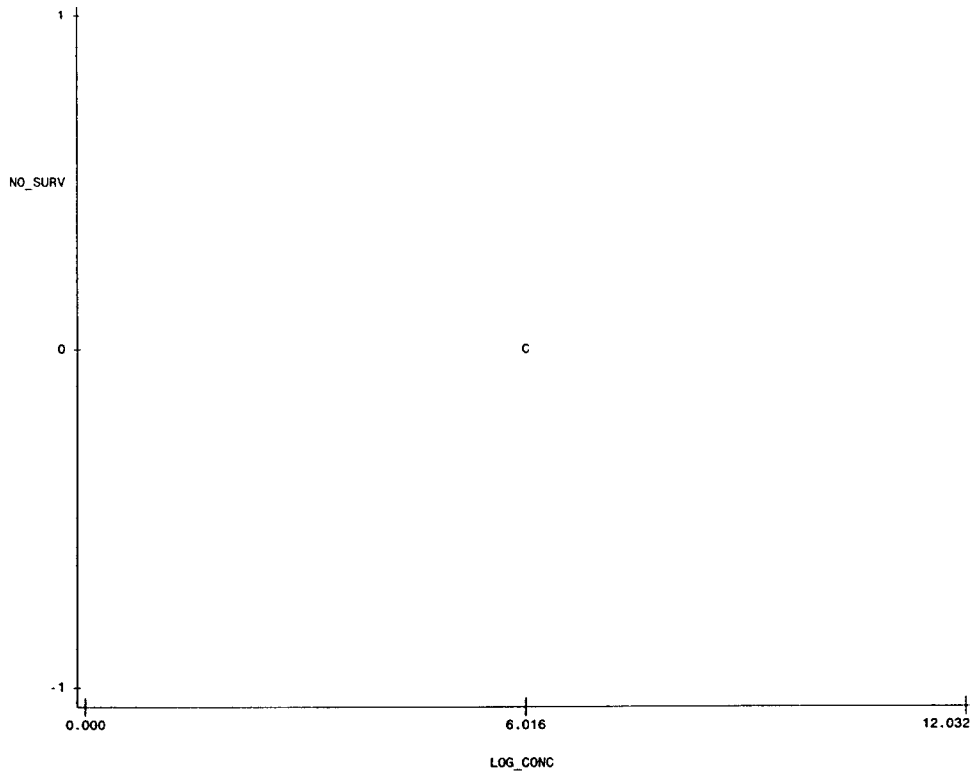
Plot of NO_SURV*LOG_CONC. Symbol is value of GROUP.



NOTE: 105 obs hidden.

---------- ANALYTE=PCB008 ----------

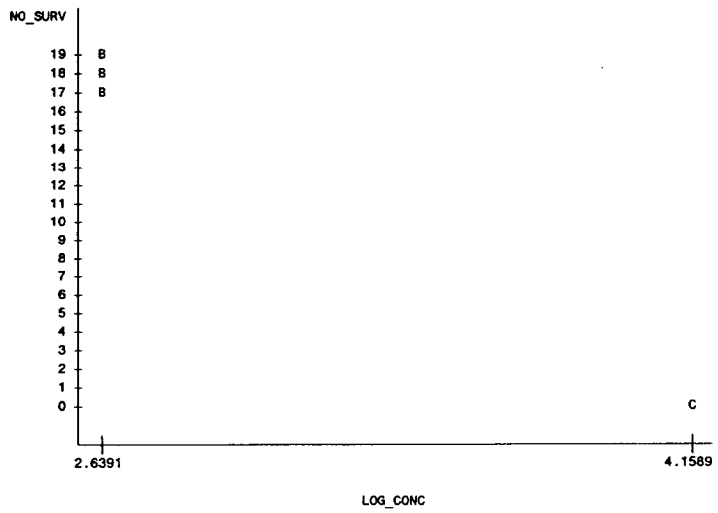
Plot of NO_SURV*LOG_CONC. Symbol is value of GROUP.



NOTE: 4 obs hidden.

---------- ANALYTE=PCB028 ----------

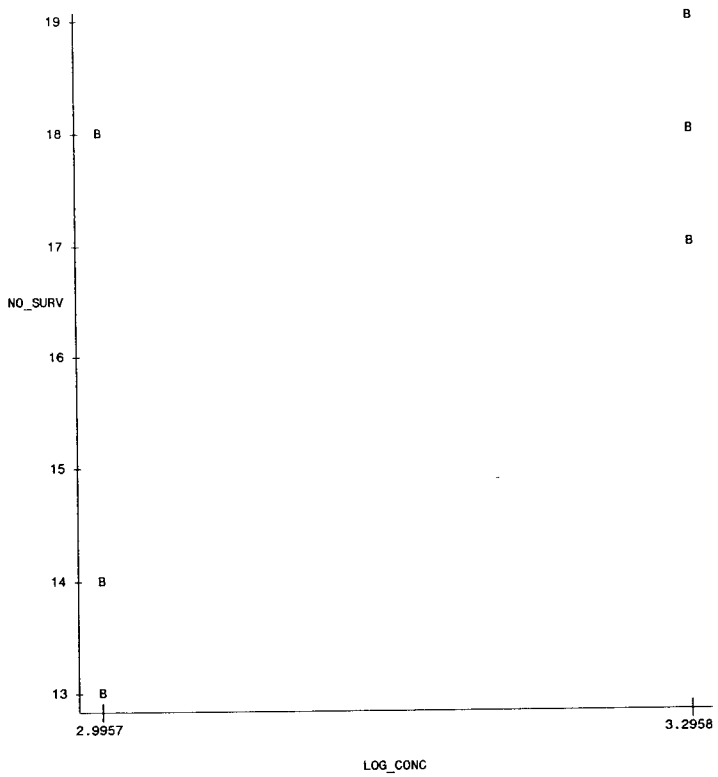
Plot of NO_SURV*LOG_CONC. Symbol is value of GROUP.



NOTE: 6 obs hidden.

---------- ANALYTE=PCB044 ----------

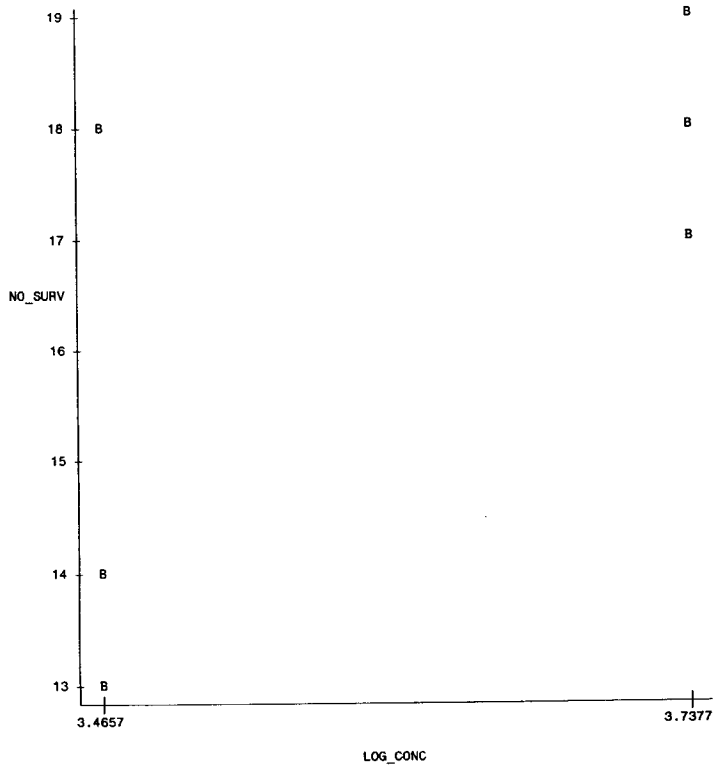
Plot of NO_SURV*LOG_CONC. Symbol is value of GROUP.



NOTE: 4 obs hidden.

---------- ANALYTE=PCB052 ----------

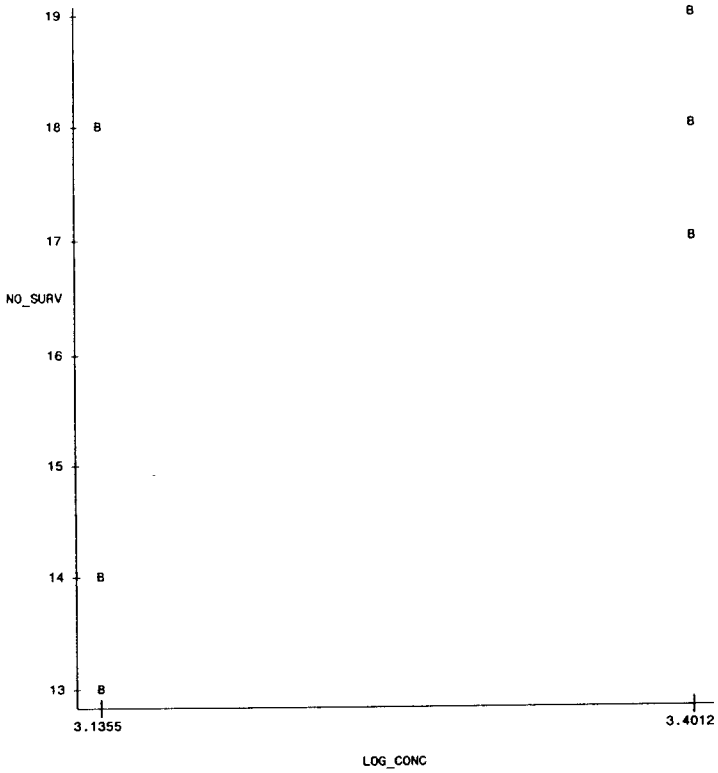
Plot of NO_SURV*LOG_CONC. Symbol is value of GROUP.



NOTE: 4 obs hidden.

ANALYTE=PCB066

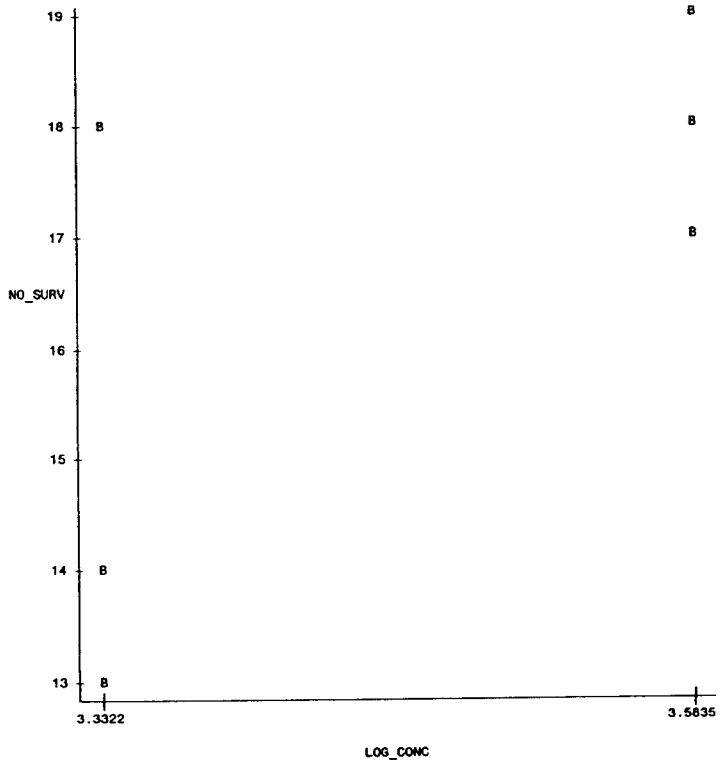
Plot of NO_SURV*LOG_CONC. Symbol is value of GROUP.



NOTE: 4 obs hidden.

ANALYTE=PCB101

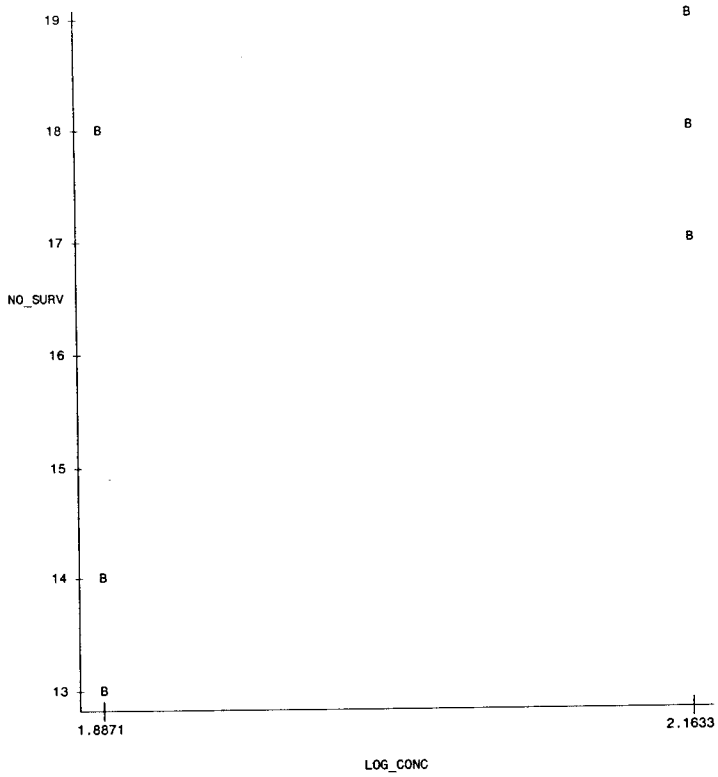
Plot of NO_SURV*LOG_CONC. Symbol is value of GROUP.



NOTE: 4 obs hidden.

---------- ANALYTE=PCB105 ----------

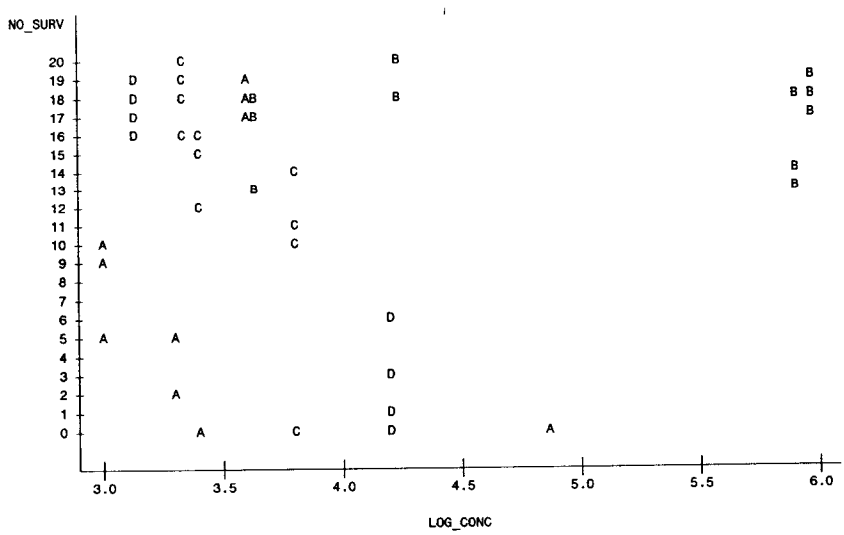
Plot of NO_SURV*LOG_CONC. Symbol is value of GROUP.



NOTE: 4 obs hidden.

---------- ANALYTE=PCB1254 ----------

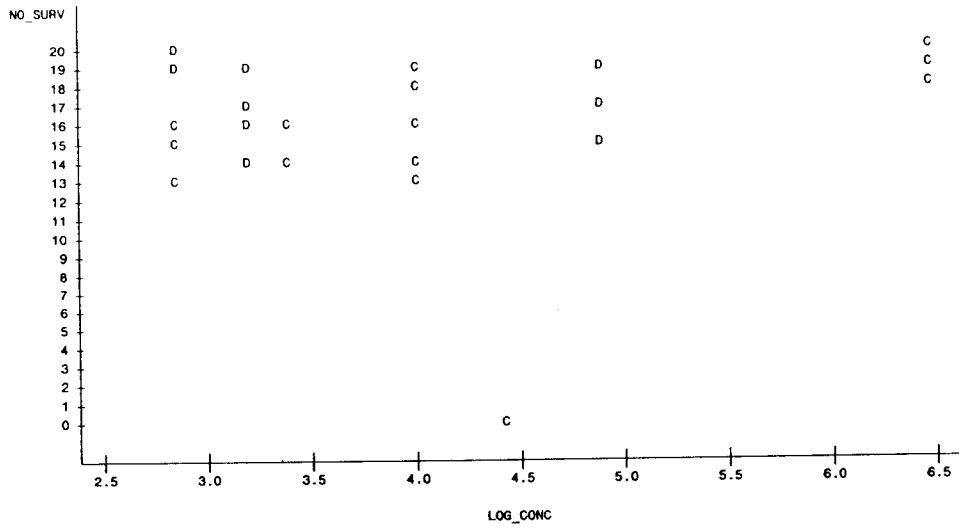
Plot of NO_SURV*LOG_CONC. Symbol is value of GROUP.



NOTE: 30 obs hidden.

ANALYTE=PCB1260

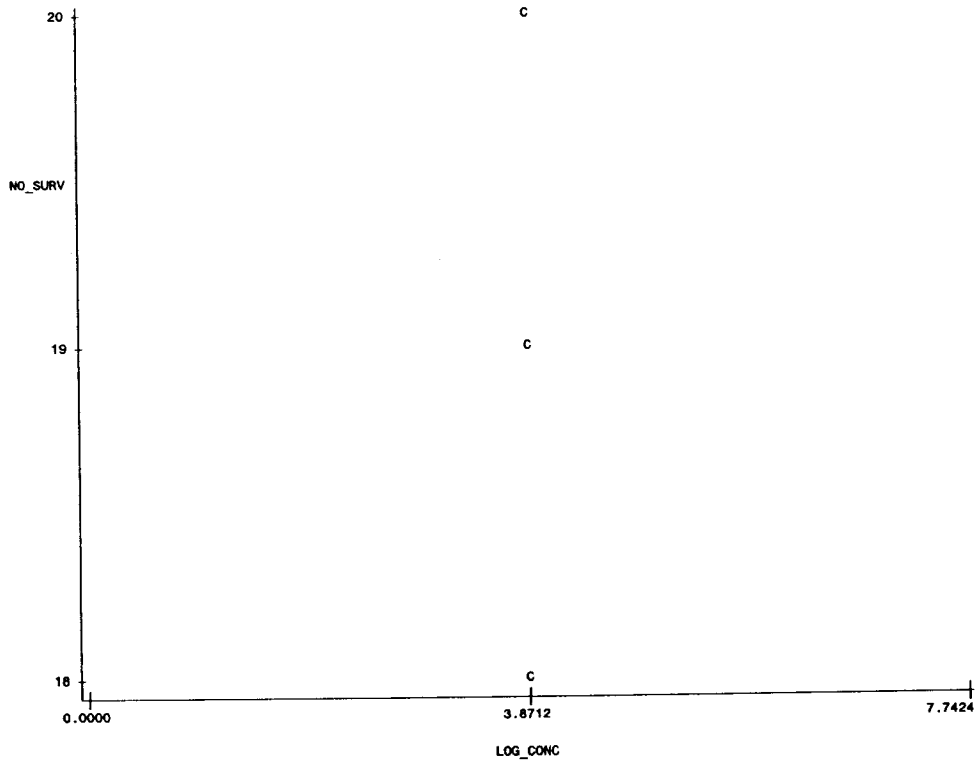
Plot of NO_SURV*LOG_CONC. Symbol is value of GROUP.



NOTE: 17 obs hidden.

ANALYTE=PCB138

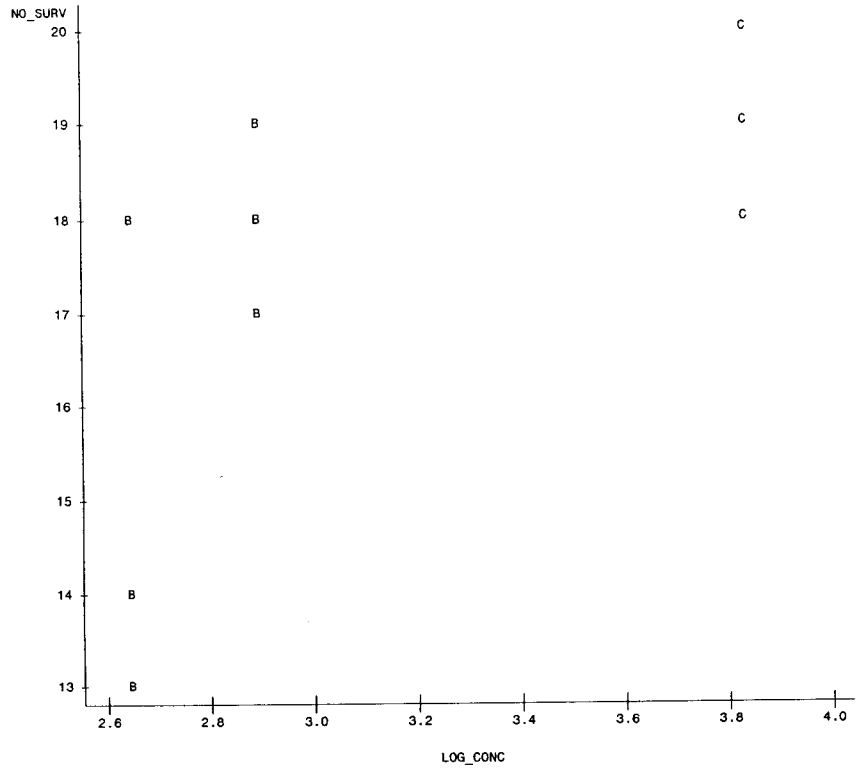
Plot of NO_SURV*LOG_CONC. Symbol is value of GROUP.



NOTE: 2 obs hidden.

---------- ANALYTE=PCB153 ----------

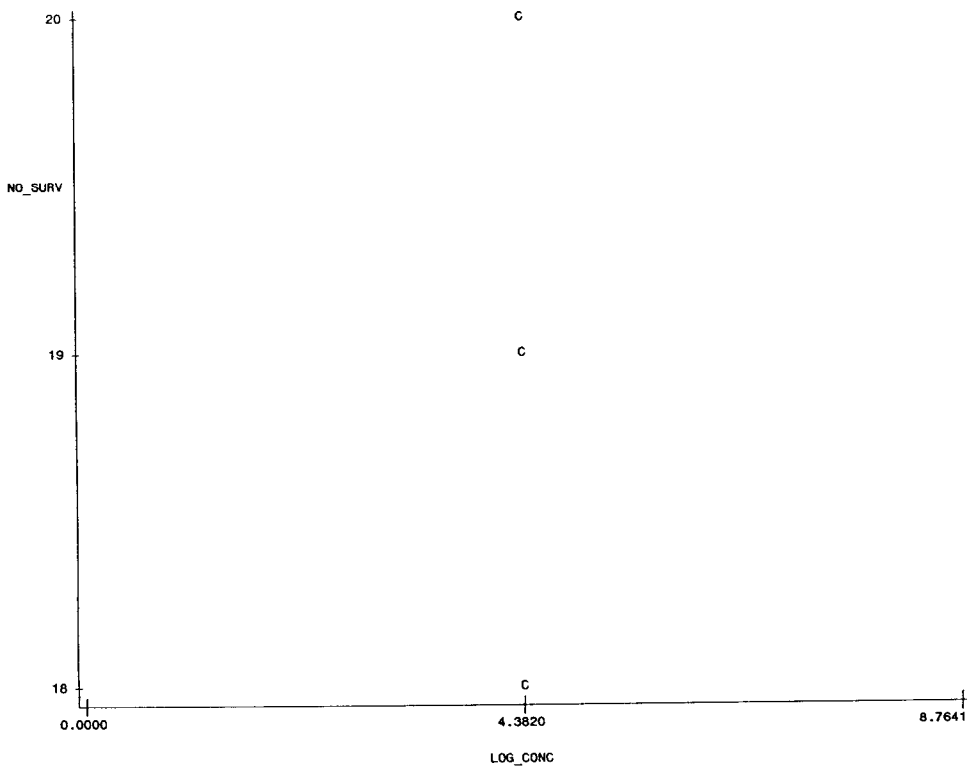
Plot of NO_SURV*LOG_CONC. Symbol is value of GROUP.



NOTE: 6 obs hidden.

---------- ANALYTE=PCB180 ----------

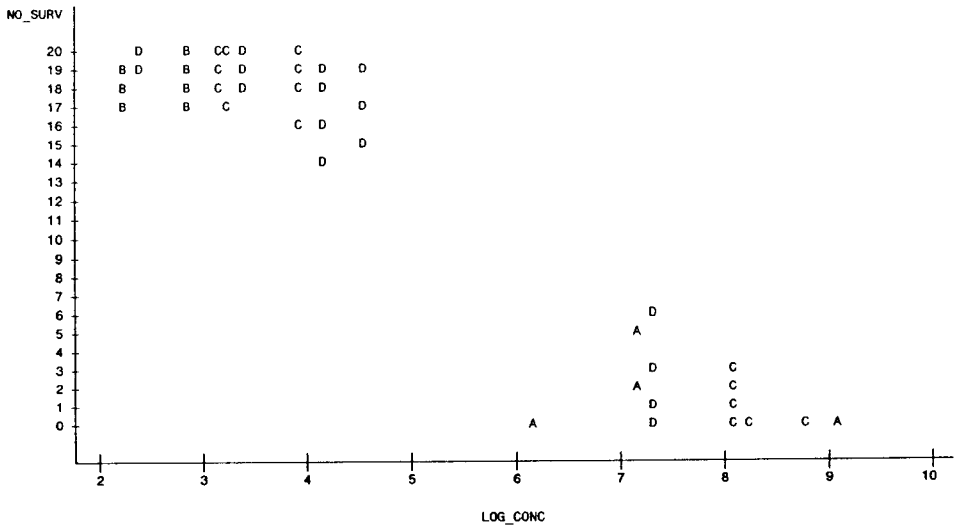
Plot of NO_SURV*LOG_CONC. Symbol is value of GROUP.



NOTE: 2 obs hidden.

---------- ANALYTE=Phenanth ----------

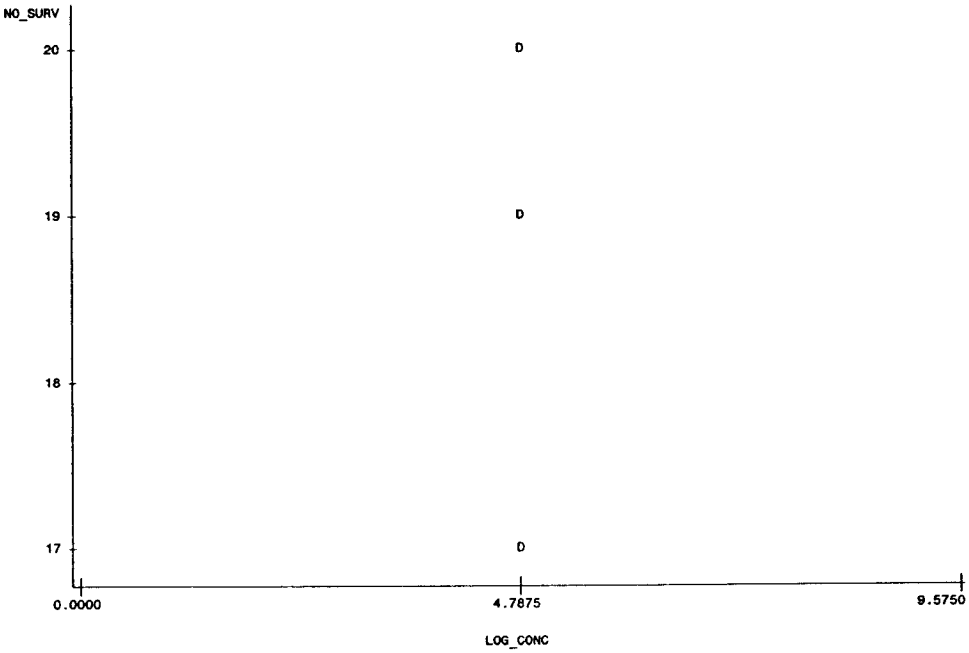
Plot of NO_SURV*LOG_CONC. Symbol is value of GROUP.



NOTE: 38 obs hidden.

---------- ANALYTE=Phenol ----------

Plot of NO_SURV*LOG_CONC. Symbol is value of GROUP.

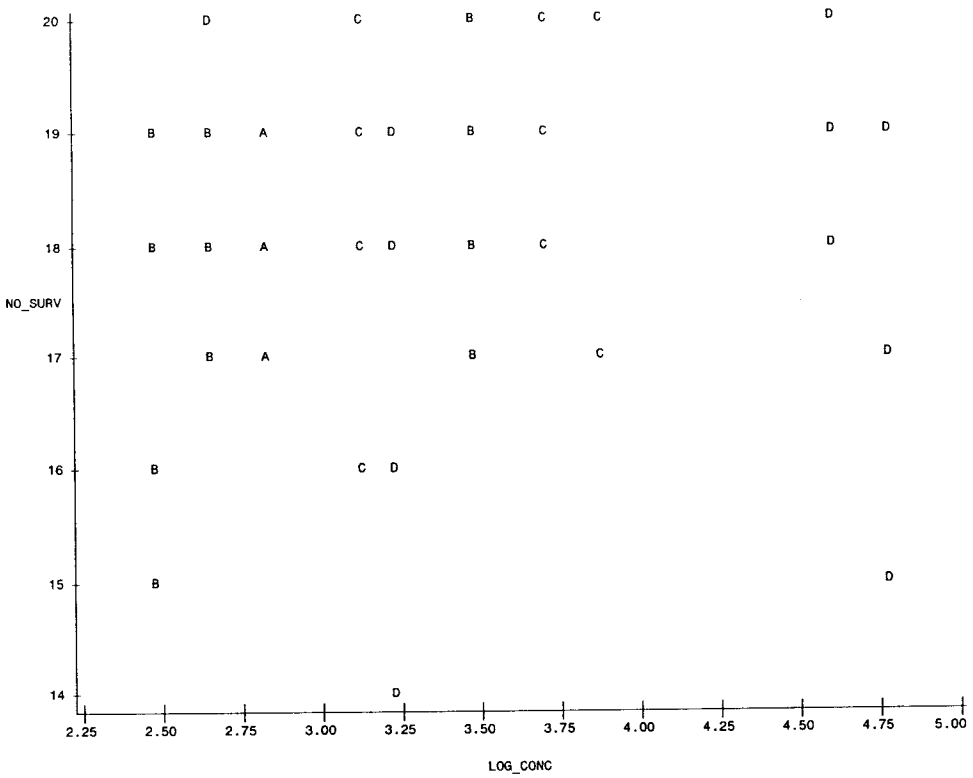


NOTE: 2 obs hidden.

Plot of revised data for amphipod survival- log transformed data
a= d+y, b= d+n, c= w+y, d= w+n 13:40 Tuesday, October 26, 1999

---------- ANALYTE=Pyrene ----------

Plot of NO_SURV*LOG_CONC. Symbol is value of GROUP.

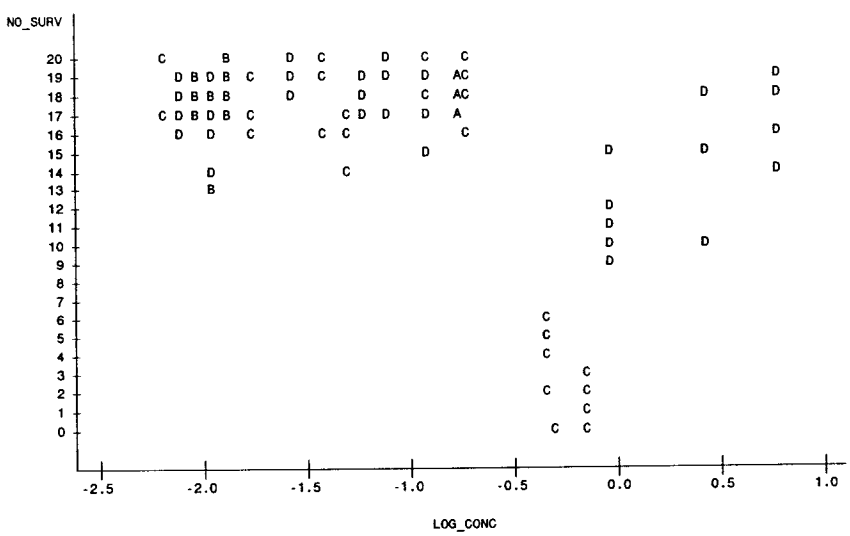


NOTE: 21 obs hidden.

Plot of revised data for amphipod survival- log transformed data
a= d+y, b= d+n, c= w+y, d= w+n 13:40 Tuesday, October 26, 1999

---------- ANALYTE=Selenium ----------

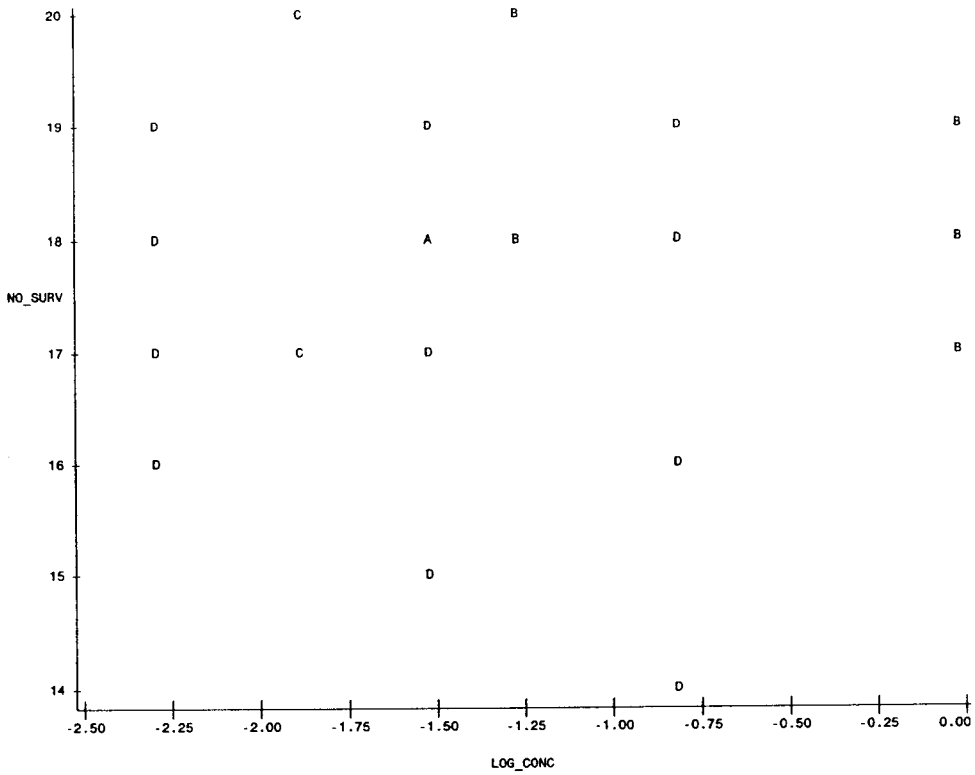
Plot of NO_SURV*LOG_CONC. Symbol is value of GROUP.



NOTE: 45 obs hidden.

---------- ANALYTE=Silver ----------

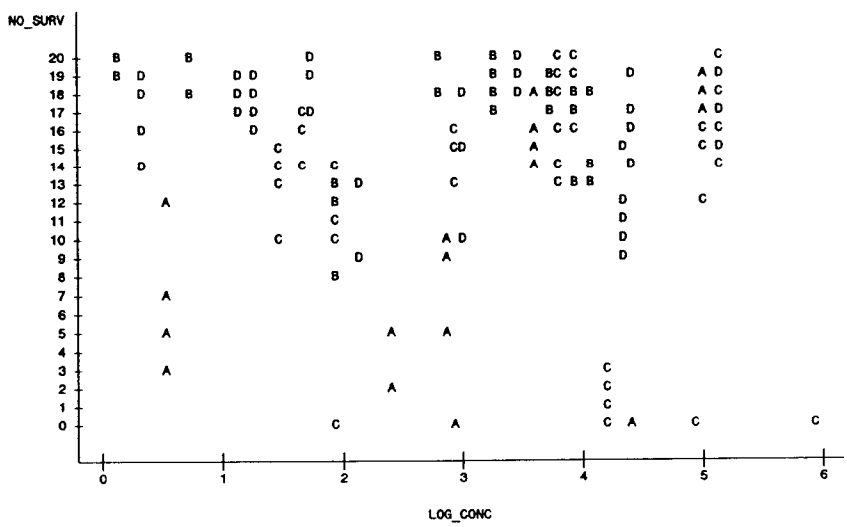
Plot of NO_SURV*LOG_CONC. Symbol is value of GROUP.



NOTE: 16 obs hidden.

---------- ANALYTE=TDDT ----------

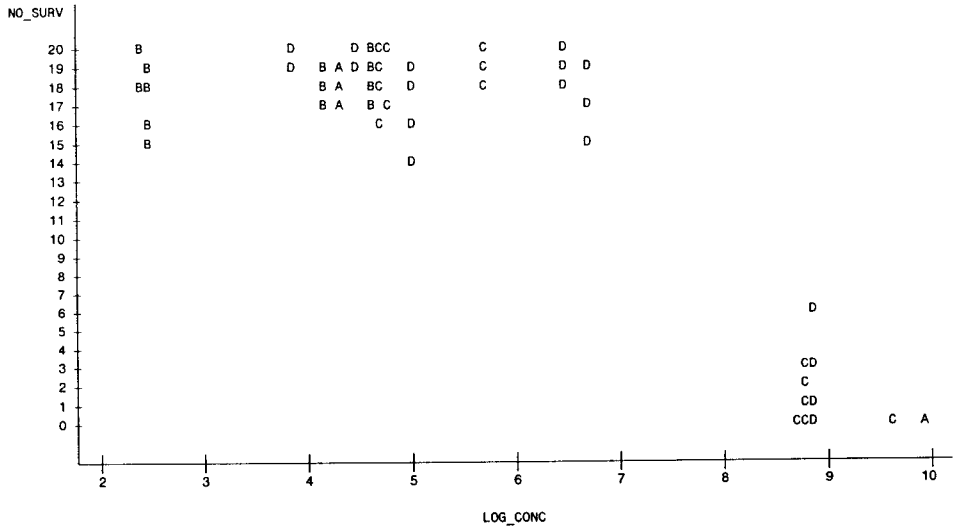
Plot of NO_SURV*LOG_CONC. Symbol is value of GROUP.



NOTE: 80 obs hidden.

---------- ANALYTE=TPAHs ----------

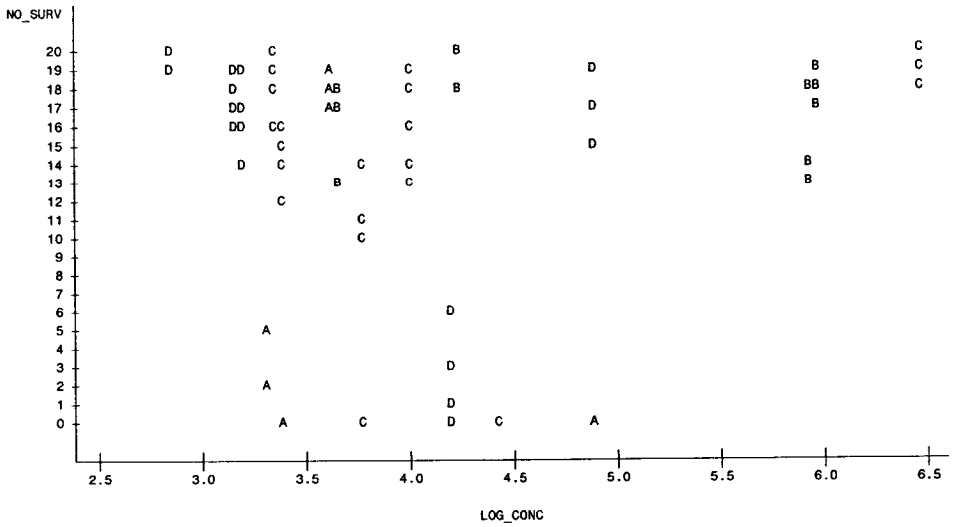
Plot of NO_SURV*LOG_CONC. Symbol is value of GROUP.



NOTE: 40 obs hidden.

---------- ANALYTE=TPCB ----------

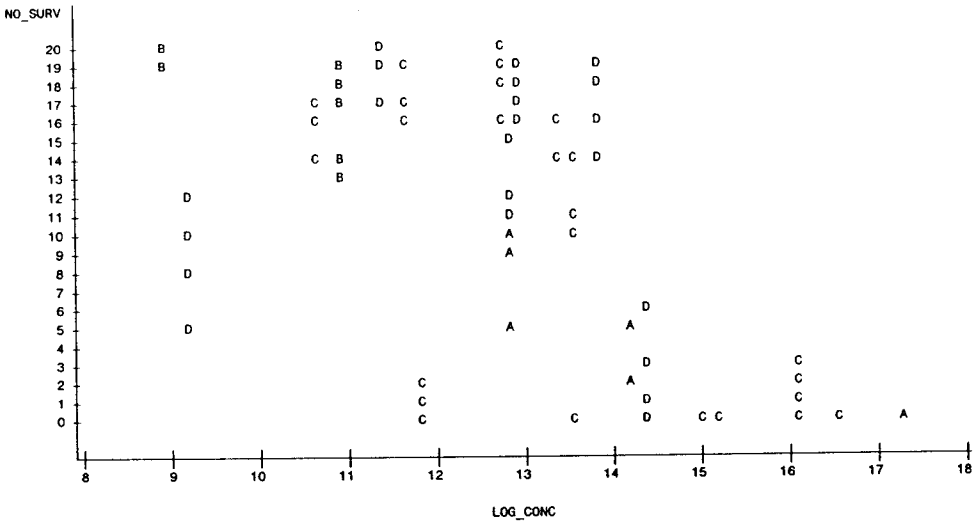
Plot of NO_SURV*LOG_CONC. Symbol is value of GROUP.



NOTE: 44 obs hidden.

---------- ANALYTE=TPHDiese ----------

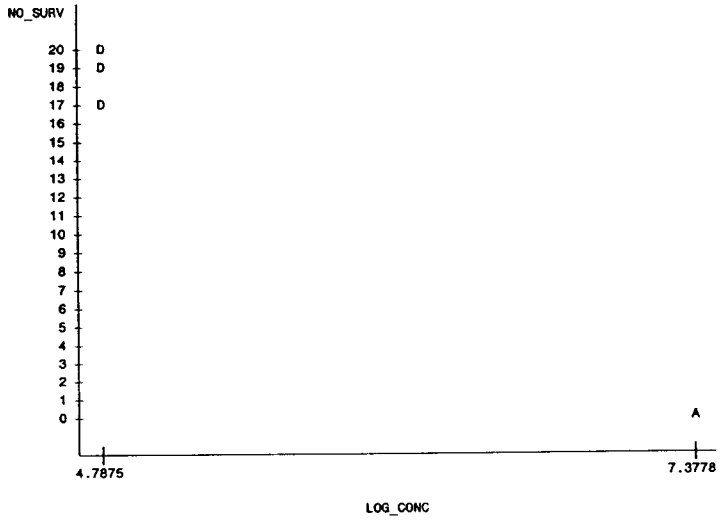
Plot of NO_SURV*LOG_CONC. Symbol is value of GROUP.



NOTE: 49 obs hidden.

---------- ANALYTE=TPhenol ----------

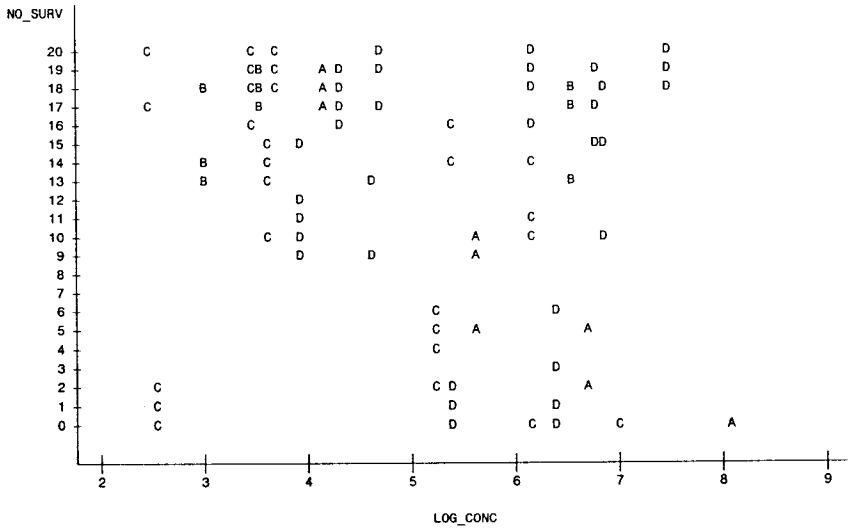
Plot of NO_SURV*LOG_CONC. Symbol is value of GROUP.



NOTE: 6 obs hidden.

---------- ANALYTE=TPhthala ----------

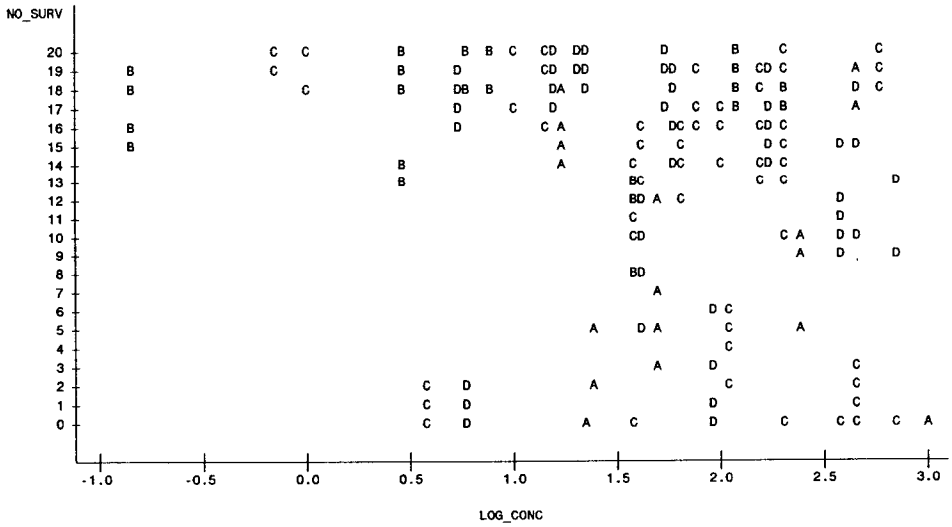
Plot of NO_SURV*LOG_CONC. Symbol is value of GROUP.



NOTE: 56 obs hidden.

---------- ANALYTE=TVolatil ----------

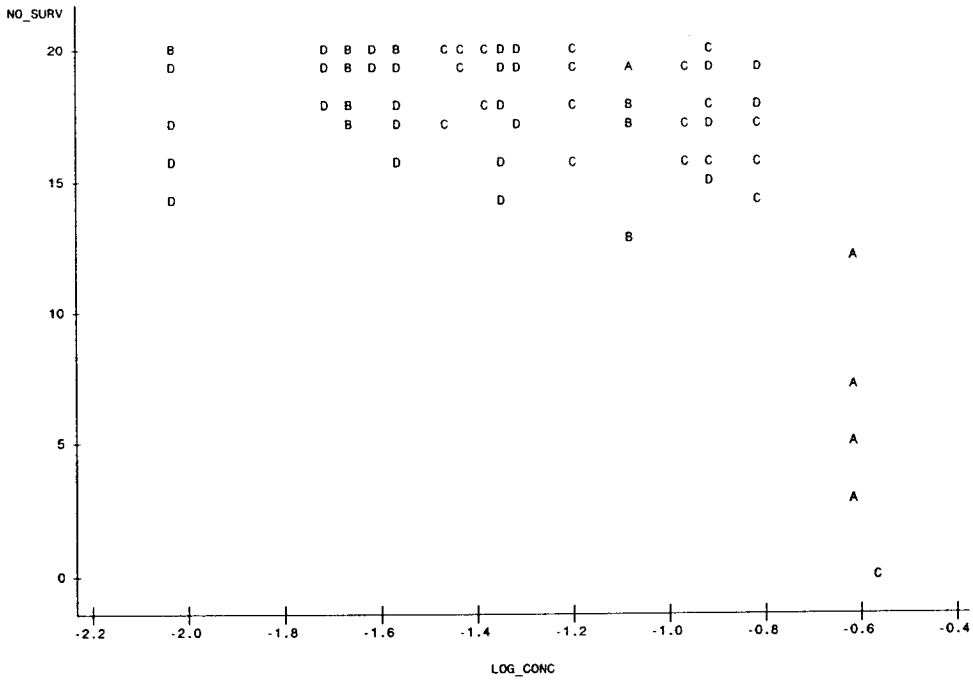
Plot of NO_SURV*LOG_CONC. Symbol is value of GROUP.



NOTE: 115 obs hidden.

---------- ANALYTE=Thallium ----------

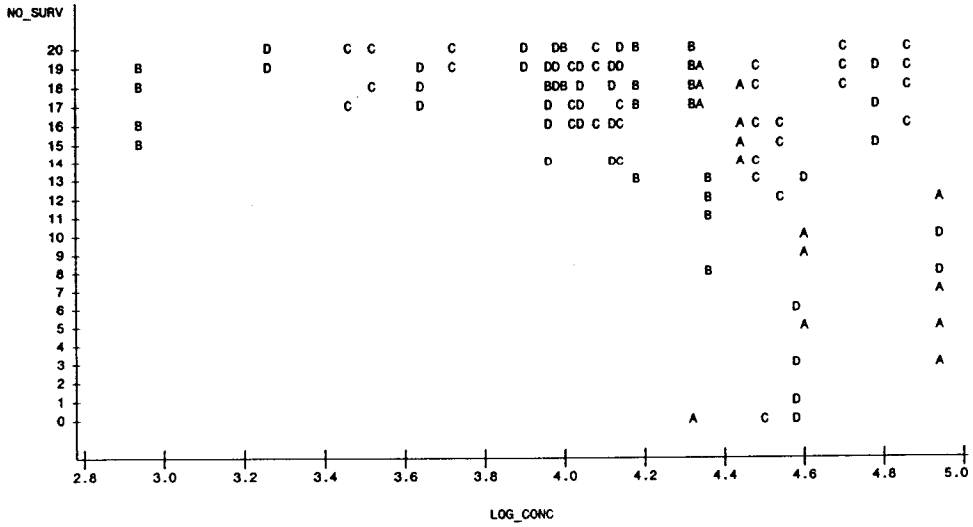
Plot of NO_SURV*LOG_CONC. Symbol is value of GROUP.



NOTE: 70 obs hidden.

---------- ANALYTE=Vanadium ----------

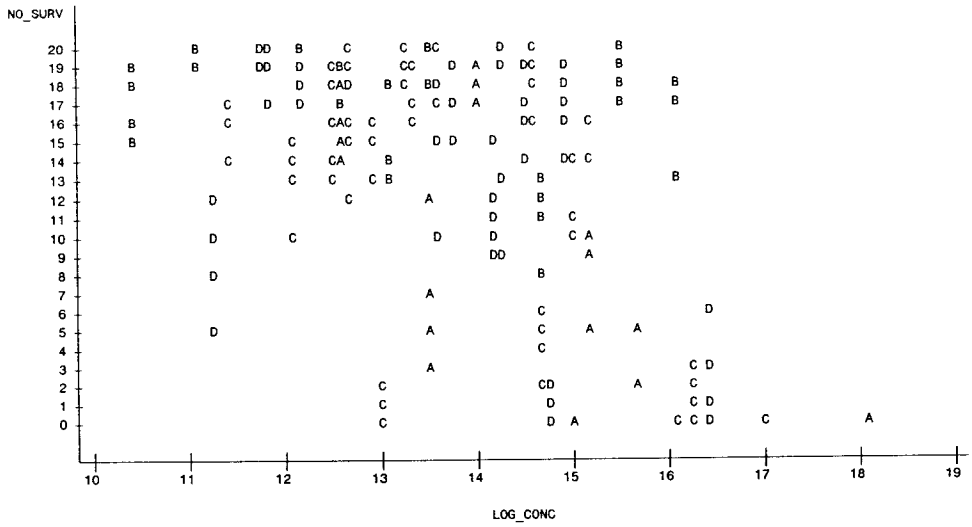
Plot of NO_SURV*LOG_CONC. Symbol is value of GROUP.



NOTE: 81 obs hidden.

---------- ANALYTE=Wasteoil ----------

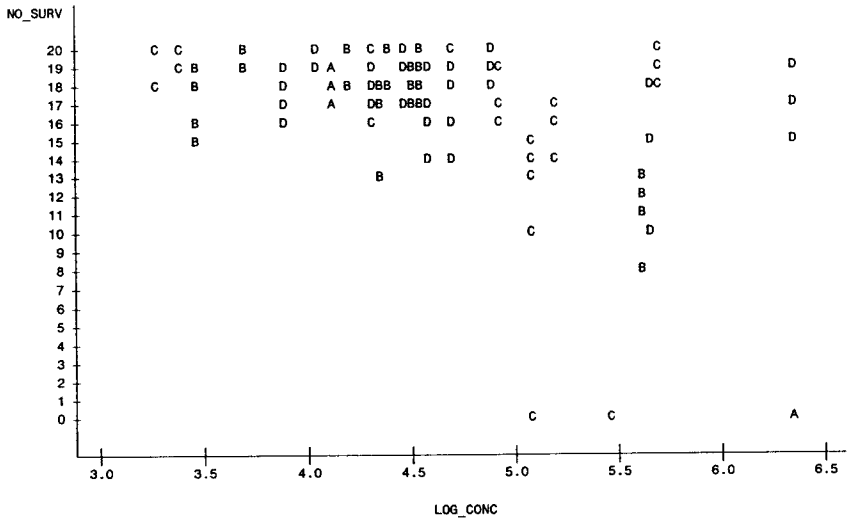
Plot of NO_SURV*LOG_CONC. Symbol is value of GROUP.



NOTE: 108 obs hidden.

---------- ANALYTE=Zinc ----------

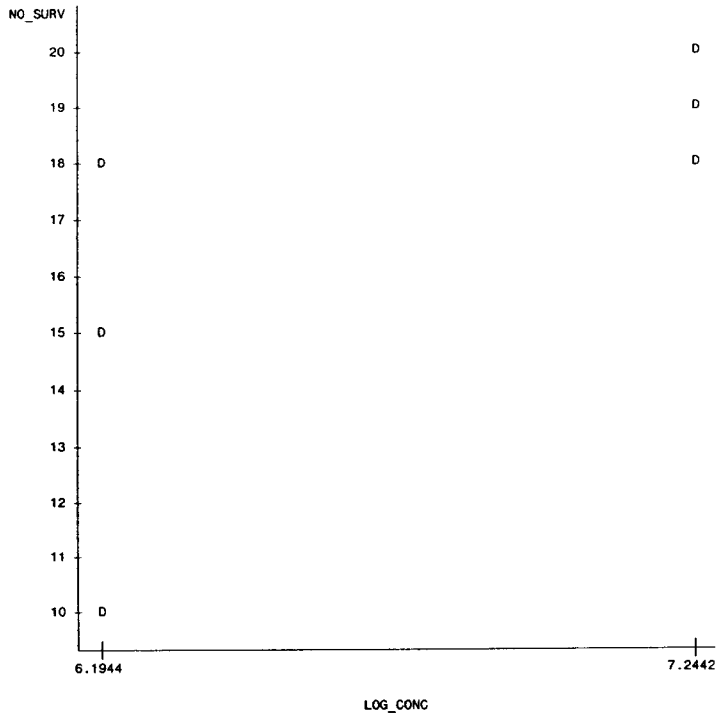
Plot of NO_SURV*LOG_CONC. Symbol is value of GROUP.



NOTE: 76 obs hidden.

---------- ANALYTE=bis(2eth ----------

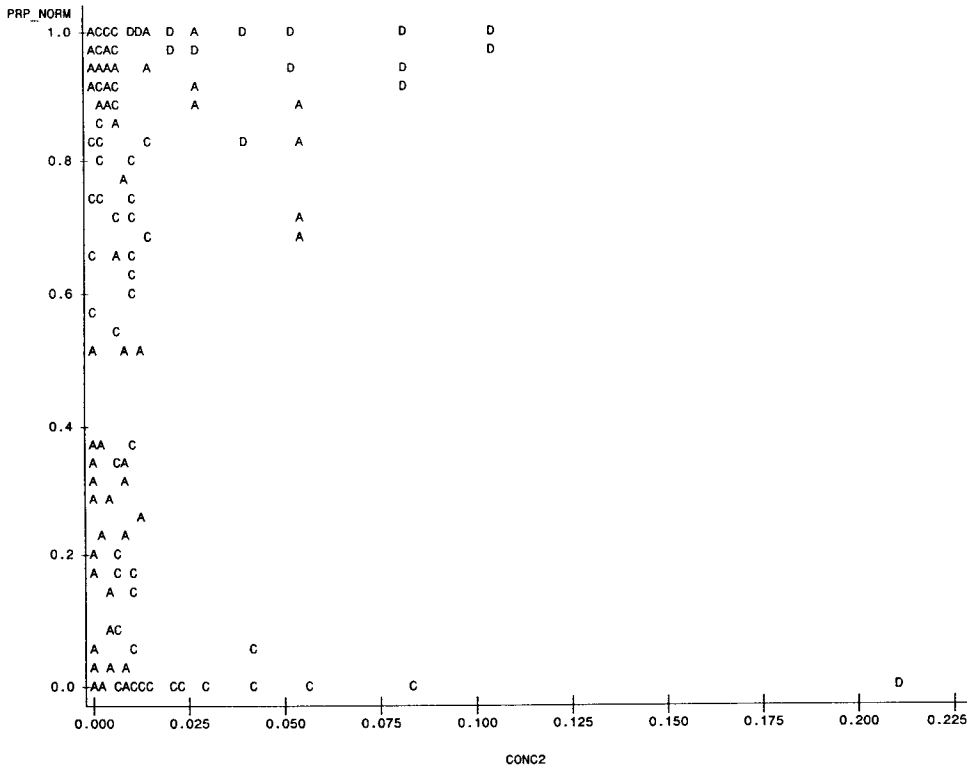
Plot of NO_SURV*LOG_CONC. Symbol is value of GROUP.



NOTE: 4 obs hidden.

---------- ANALYTE=44DDD ----------

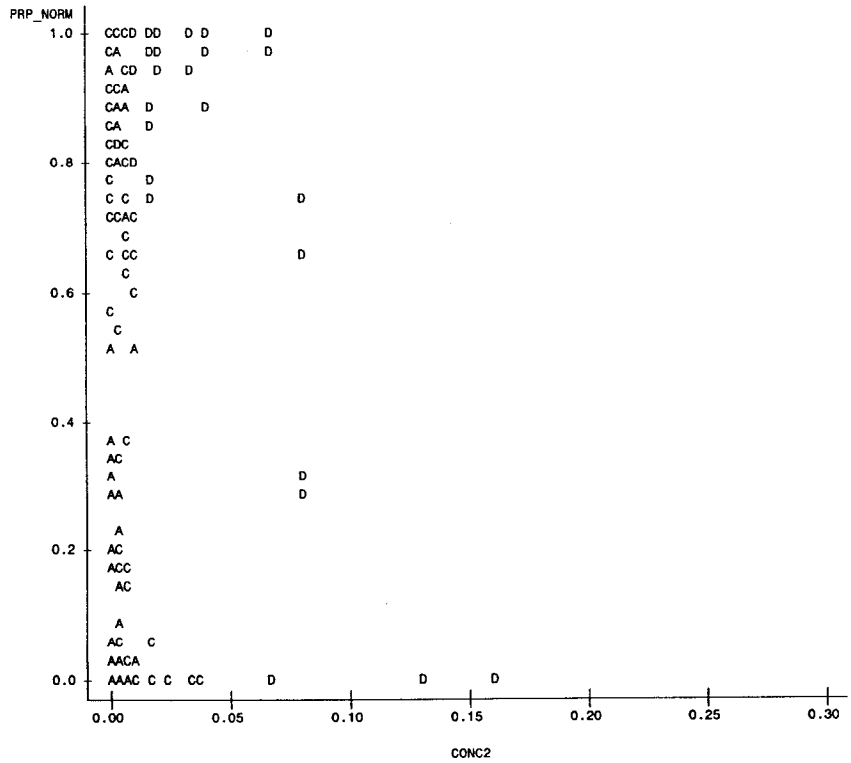
Plot of PRP_NORM*CONC2. Symbol is value of GROUP.



NOTE: 11 obs had missing values. 201 obs hidden.

---------- ANALYTE=44DDE ----------

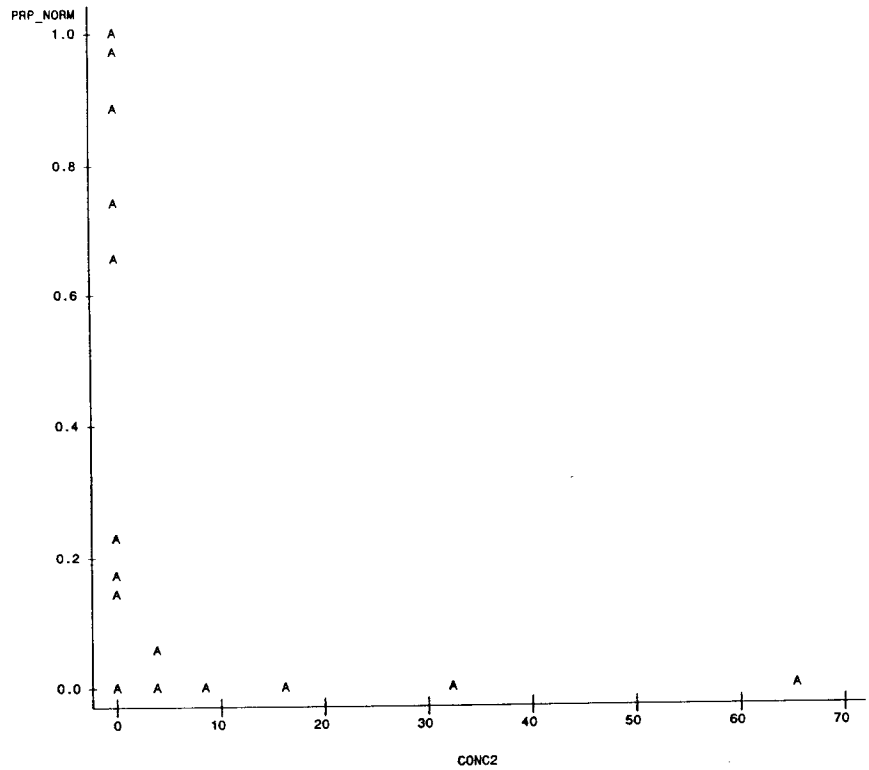
Plot of PRP_NORM*CONC2. Symbol is value of GROUP.



NOTE: 27 obs had missing values. 238 obs hidden.

---------- ANALYTE=4Methylp ----------

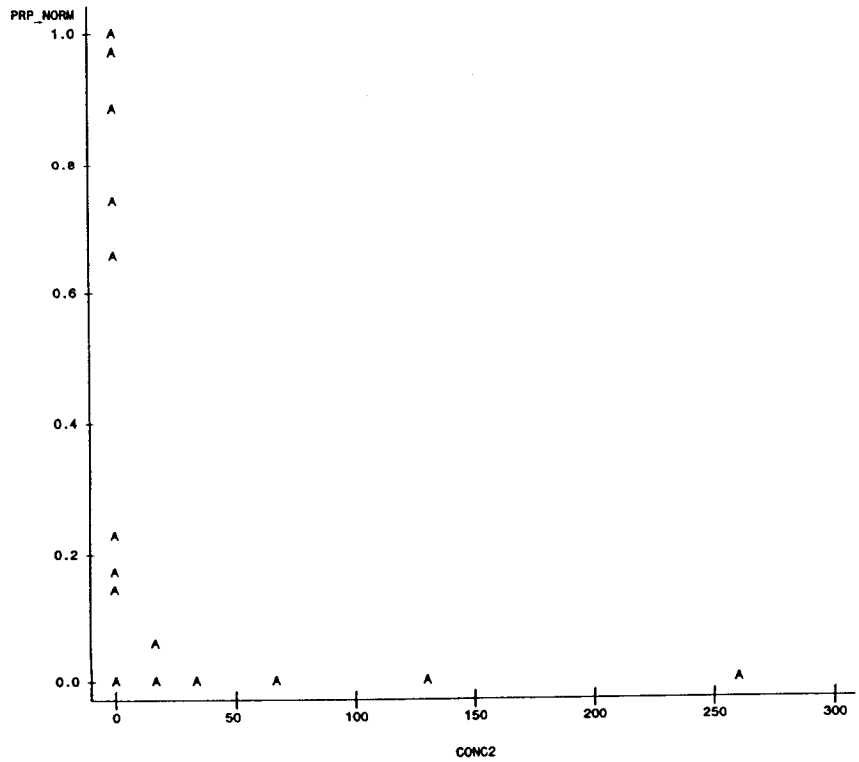
Plot of PRP_NORM*CONC2. Symbol is value of GROUP.



NOTE: 25 obs hidden.

---------- ANALYTE=4Nitroph ----------

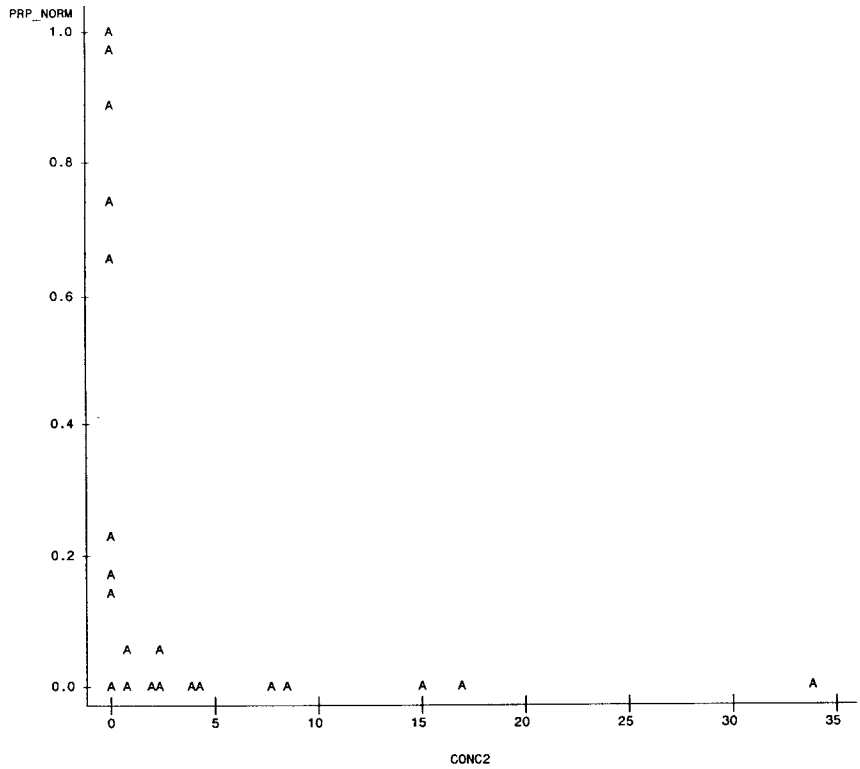
Plot of PRP_NORM*CONC2. Symbol is value of GROUP.



NOTE: 25 obs hidden.

---------- ANALYTE=Acenapht ----------

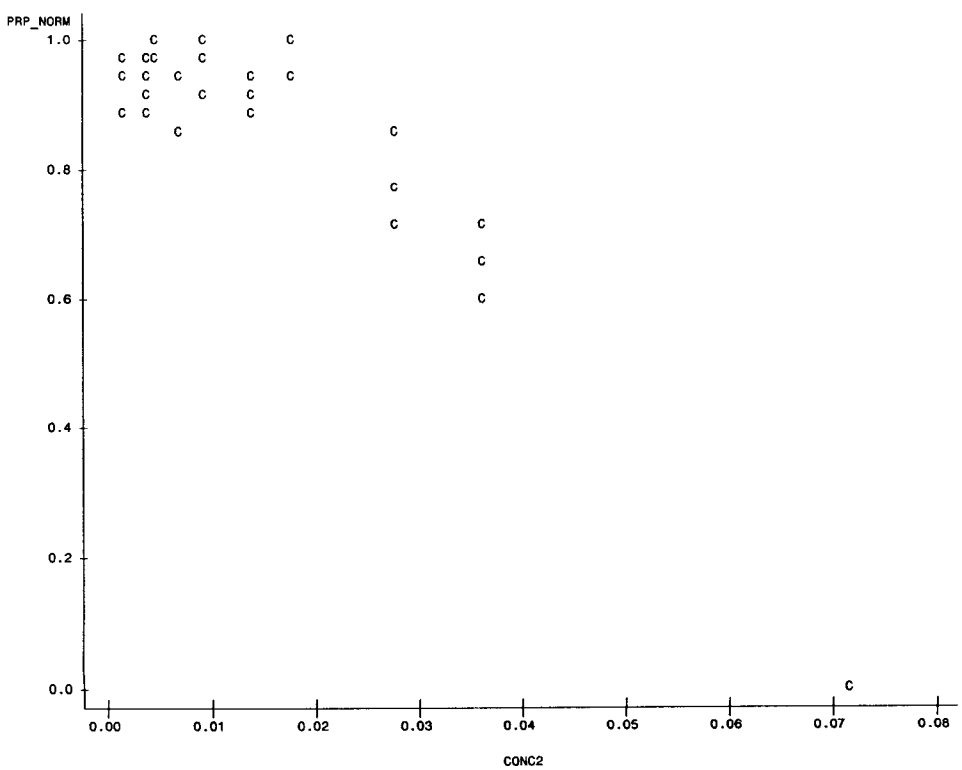
Plot of PRP_NORM*CONC2. Symbol is value of GROUP.



NOTE: 59 obs hidden.

---------- ANALYTE=Aldrin ----------

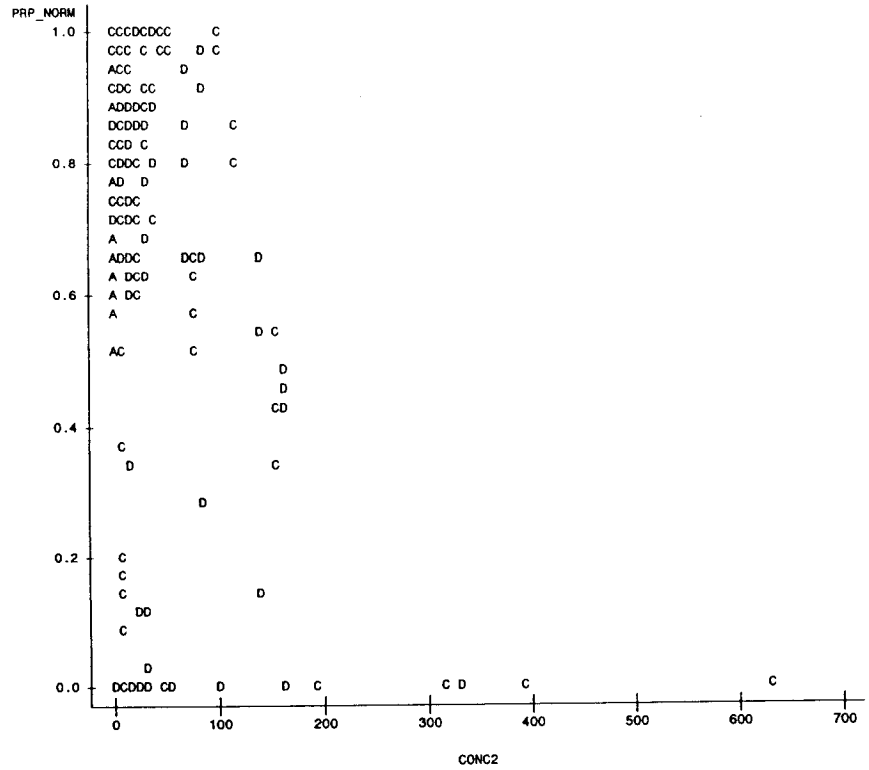
Plot of PRP_NORM*CONC2. Symbol is value of GROUP.



NOTE: 14 obs hidden.

---------- ANALYTE=Arsenic ----------

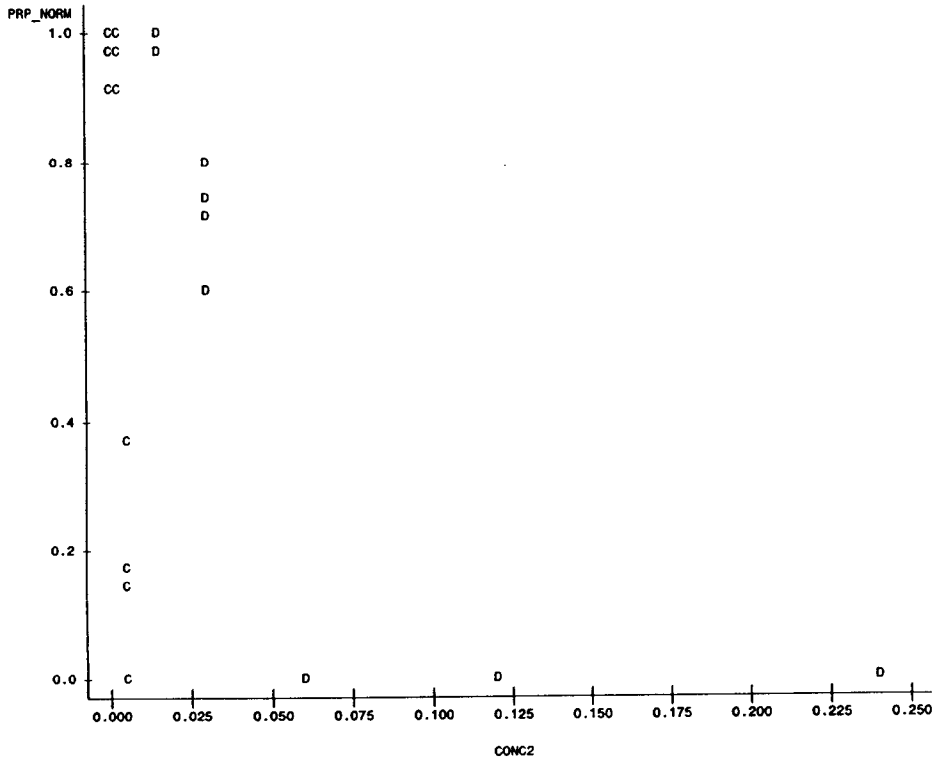
Plot of PRP_NORM*CONC2. Symbol is value of GROUP.



NOTE: 16 obs had missing values. 326 obs hidden.

---------- ANALYTE=BHCalpha ----------

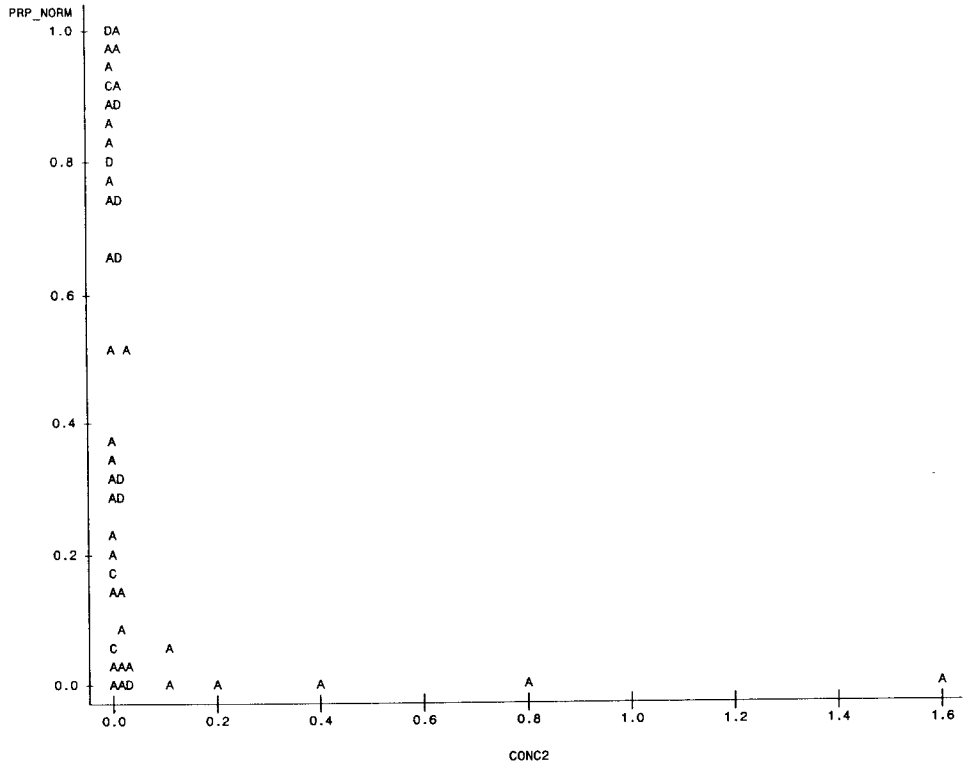
Plot of PRP_NORM*CONC2. Symbol is value of GROUP.



NOTE: 21 obs hidden.

---------- ANALYTE=BHCbeta ----------

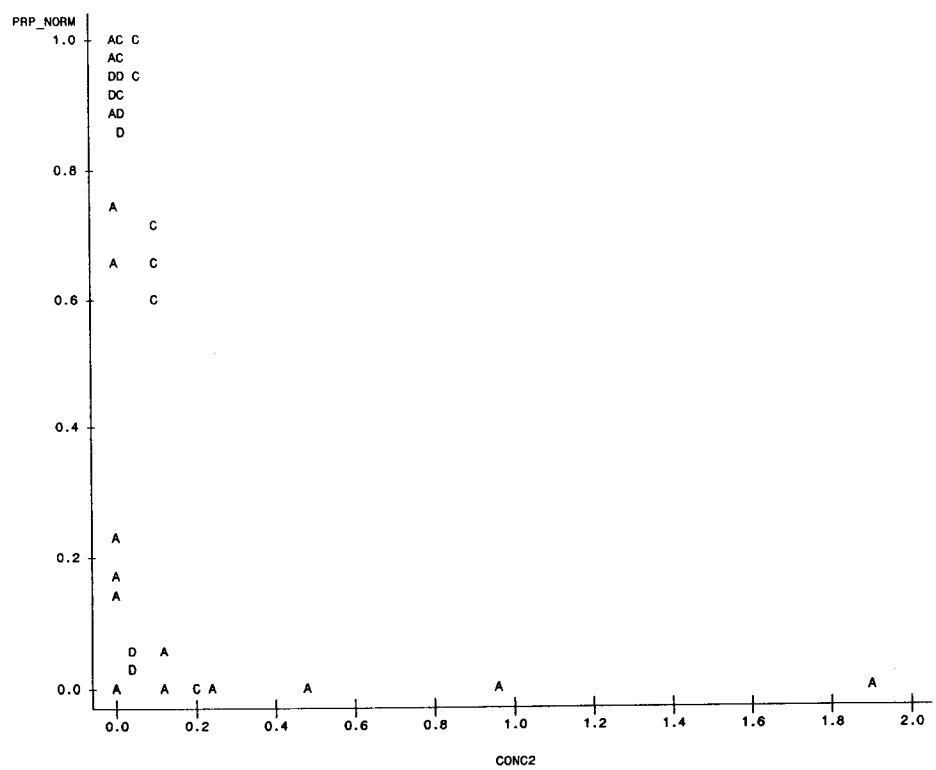
Plot of PRP_NORM*CONC2. Symbol is value of GROUP.



NOTE: 11 obs had missing values. 165 obs hidden.

---------- ANALYTE=BHCdelta ----------

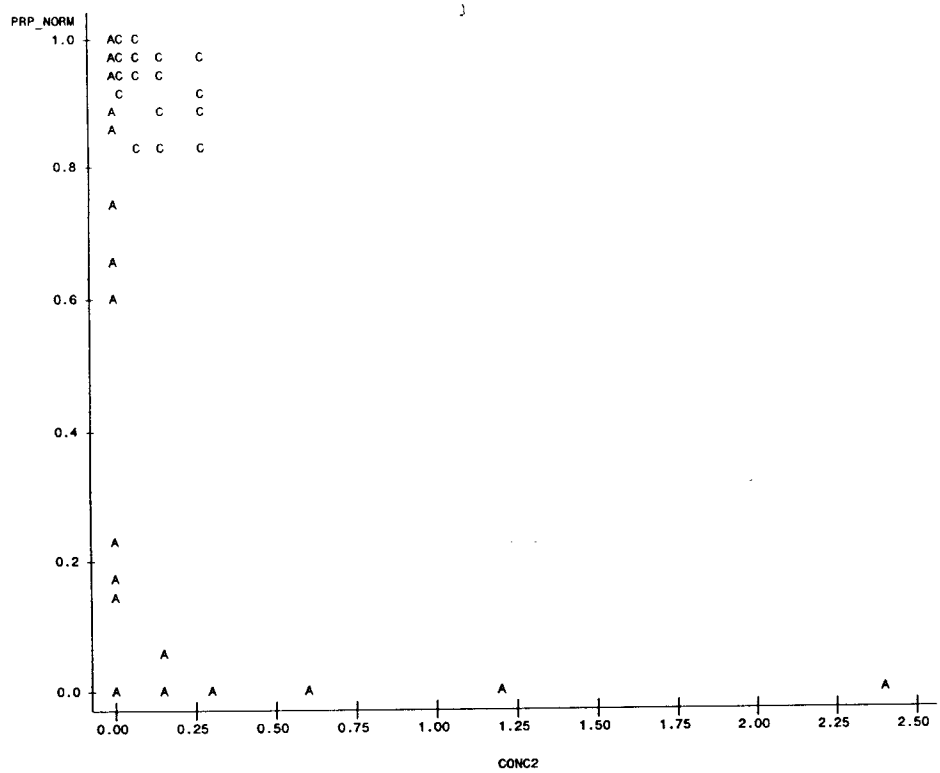
Plot of PRP_NORM*CONC2. Symbol is value of GROUP.



NOTE: 49 obs hidden.

---------- ANALYTE=BHCgamma ----------

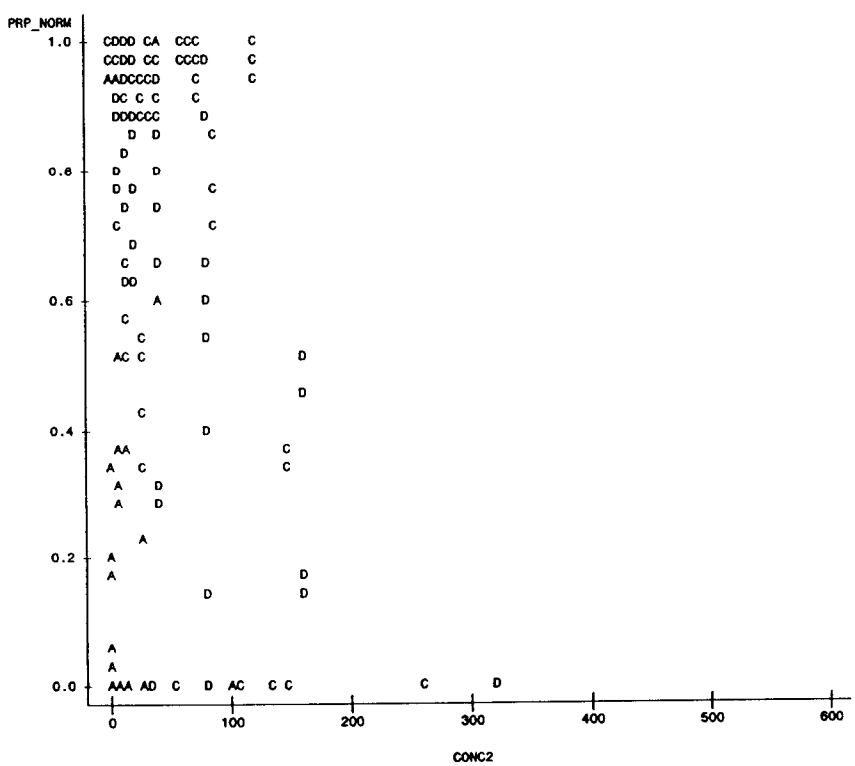
Plot of PRP_NORM*CONC2. Symbol is value of GROUP.



NOTE: 46 obs hidden.

---------- ANALYTE=Barium ----------

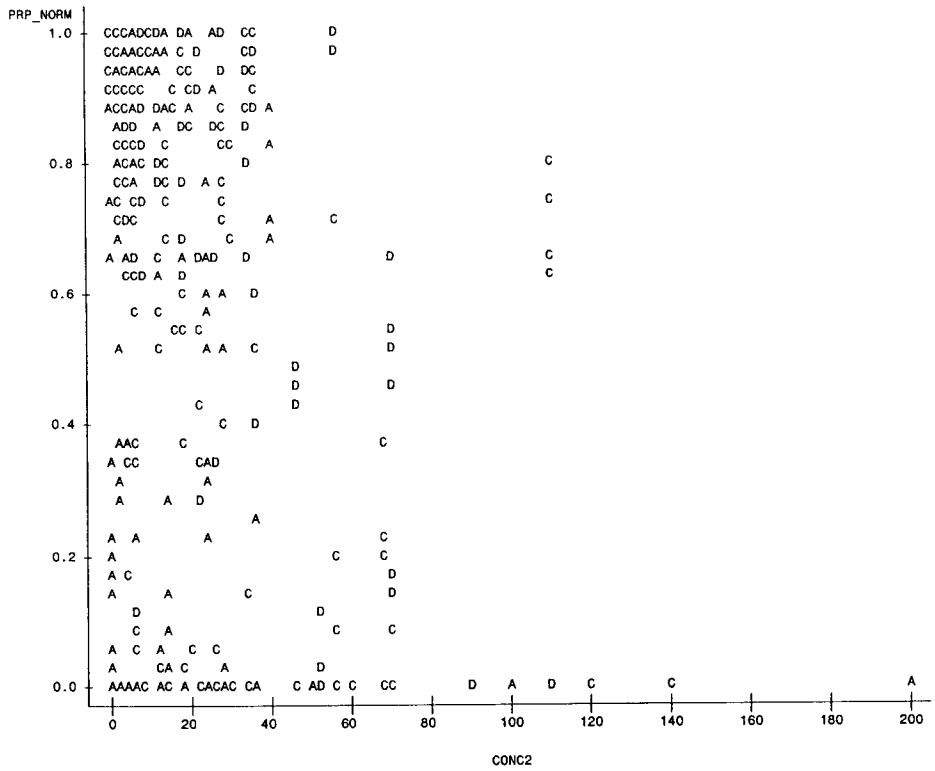
Plot of PRP_NORM*CONC2. Symbol is value of GROUP.



NOTE: 23 obs had missing values. 173 obs hidden.

---------- ANALYTE=Berylliu ----------

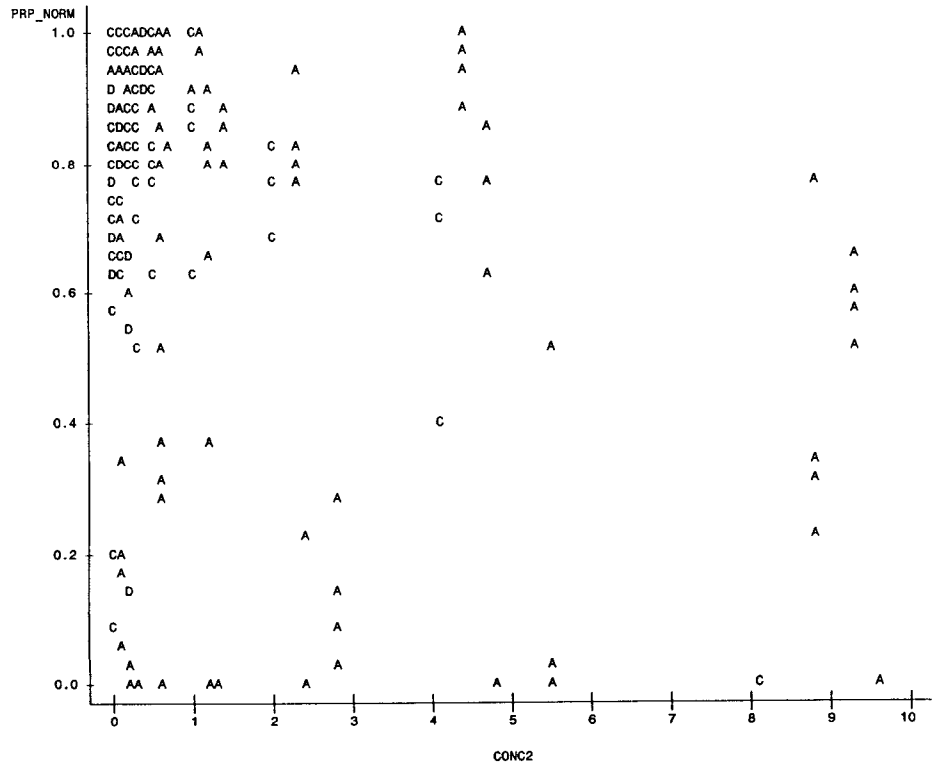
Plot of PRP_NORM*CONC2. Symbol is value of GROUP.



NOTE: 11 obs had missing values. 438 obs hidden.

---------- ANALYTE=Cadmium ----------

Plot of PRP_NORM*CONC2. Symbol is value of GROUP.

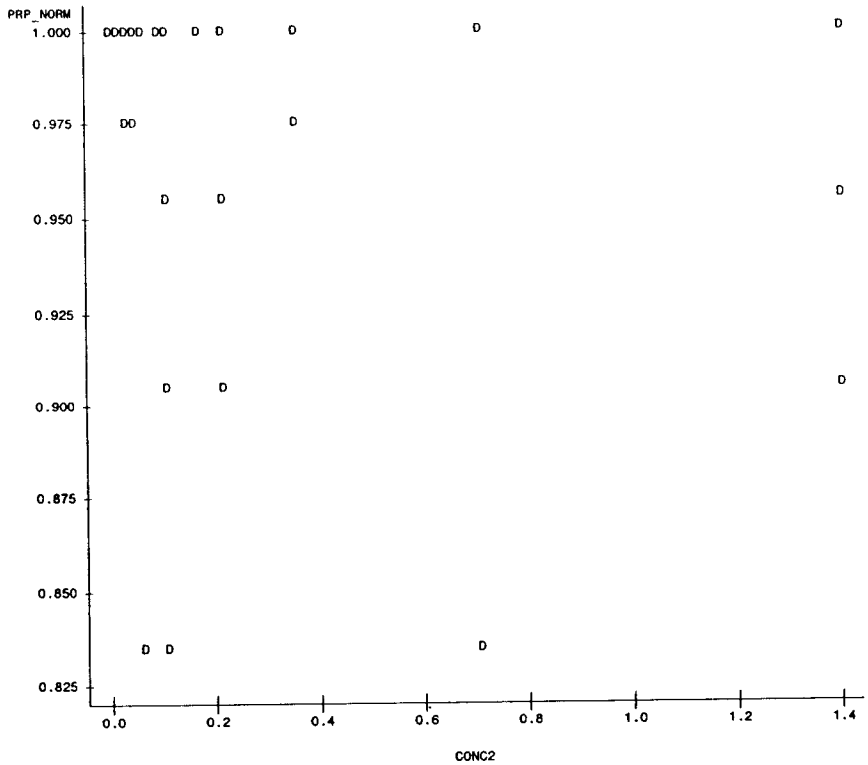


NOTE: 7 obs had missing values. 255 obs hidden.

Plot of revised data for mytilus development- untransformed data
a= d+y, b= d+n, c= w+y, d= w+n 13:40 Tuesday, October 26, 1999

---------- ANALYTE=Chlordan ----------

Plot of PRP_NORM*CONC2. Symbol is value of GROUP.

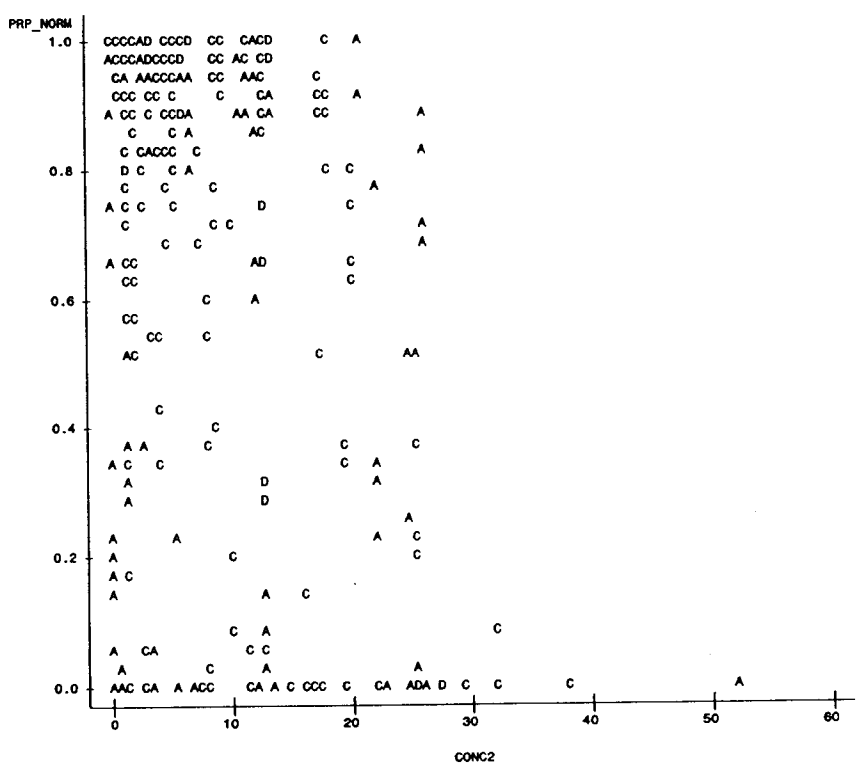


NOTE: 36 obs hidden.

Plot of revised data for mytilus development- untransformed data
a= d+y, b= d+n, c= w+y, d= w+n 13:40 Tuesday, October 26, 1999

---------- ANALYTE=Chromium ----------

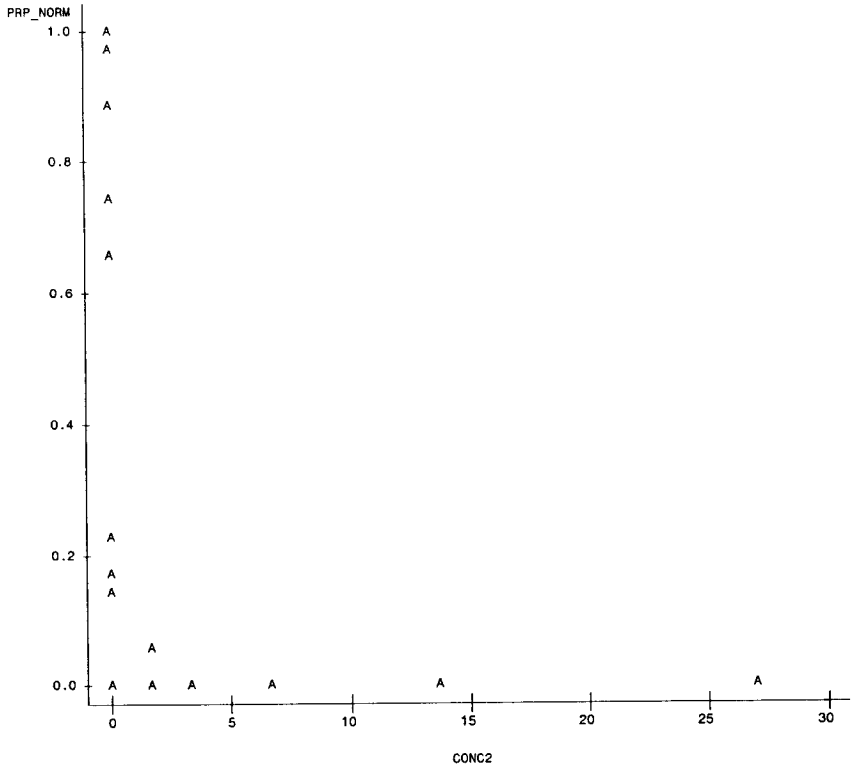
Plot of PRP_NORM*CONC2. Symbol is value of GROUP.



NOTE: 11 obs had missing values. 367 obs hidden.

---------- ANALYTE=Chrysene ----------

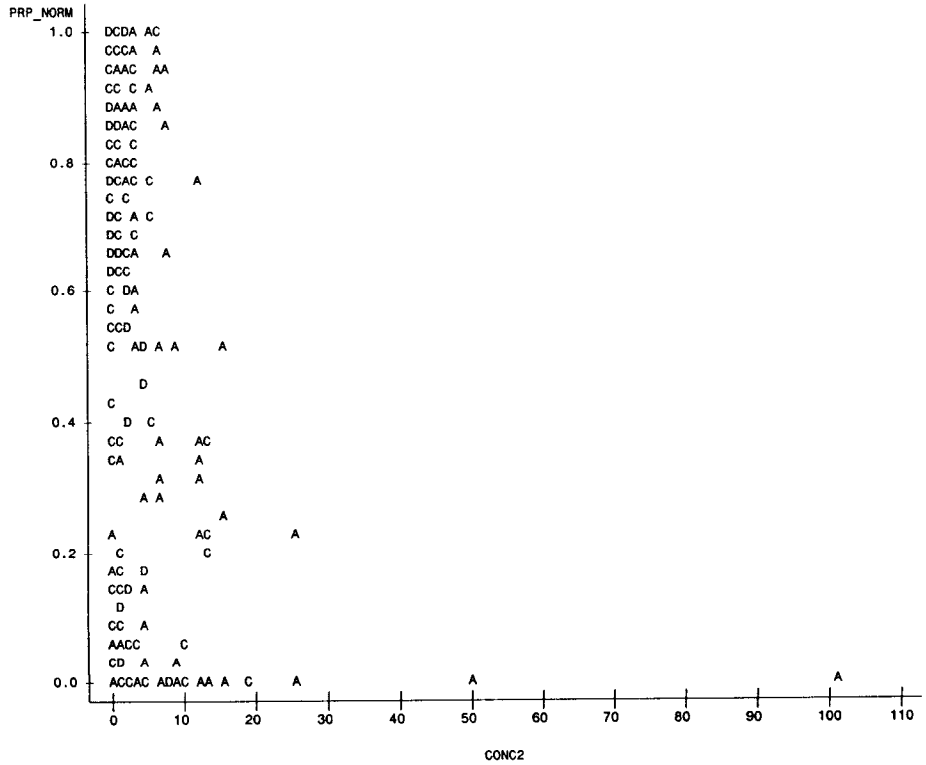
Plot of PRP_NORM*CONC2. Symbol is value of GROUP.



NOTE: 25 obs hidden.

---------- ANALYTE=Cobalt ----------

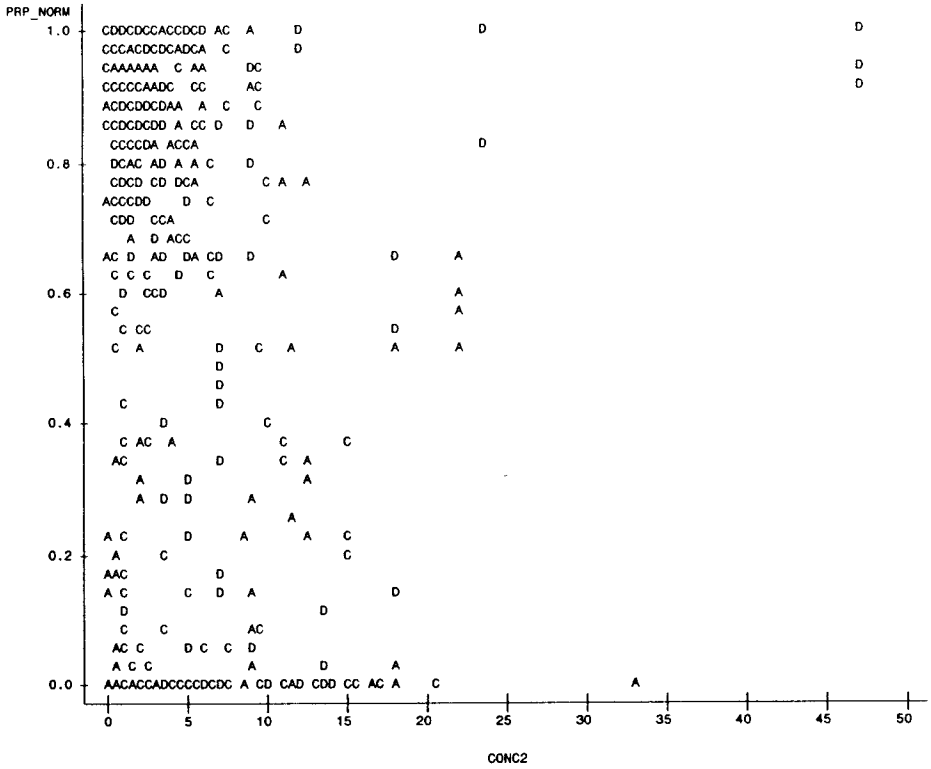
Plot of PRP_NORM*CONC2. Symbol is value of GROUP.



NOTE: 27 obs had missing values. 599 obs hidden.

---------- ANALYTE=Copper ----------

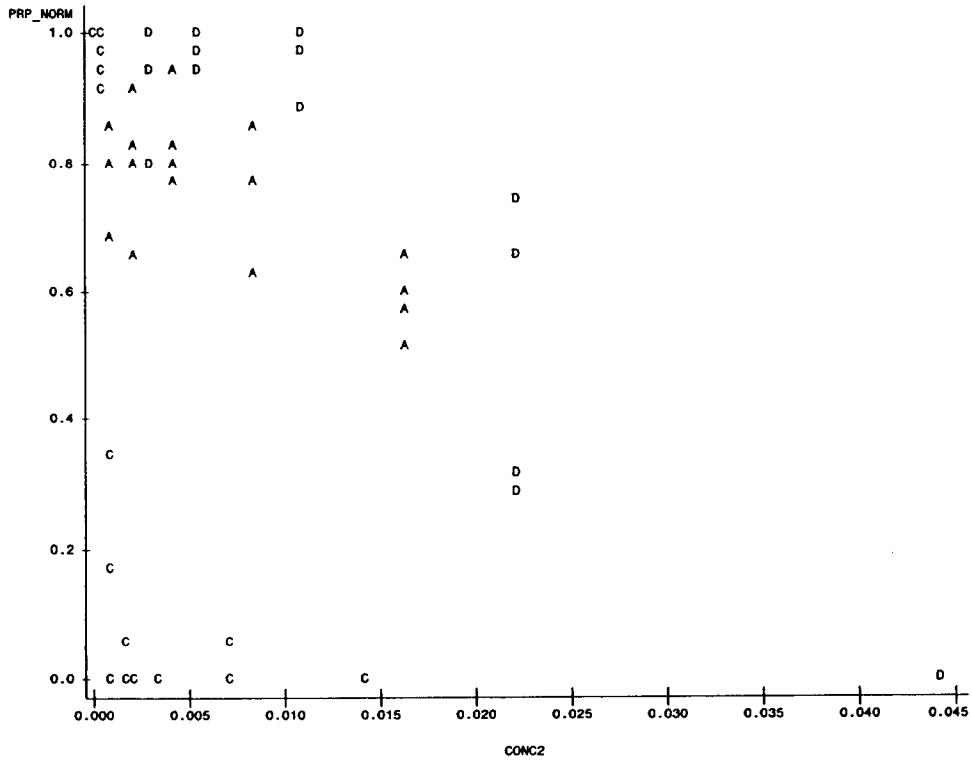
Plot of PRP_NORM*CONC2. Symbol is value of GROUP.



NOTE: 27 obs had missing values. 660 obs hidden.

---------- ANALYTE=Dieldrin ----------

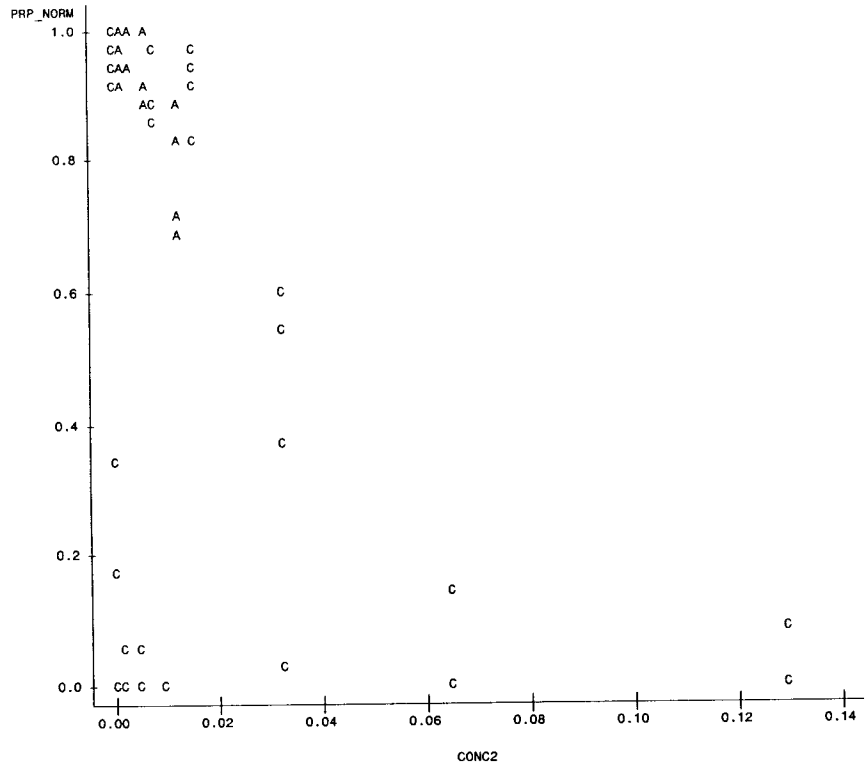
Plot of PRP_NORM*CONC2. Symbol is value of GROUP.



NOTE: 4 obs had missing values. 29 obs hidden.

---------- ANALYTE=Endrin ----------

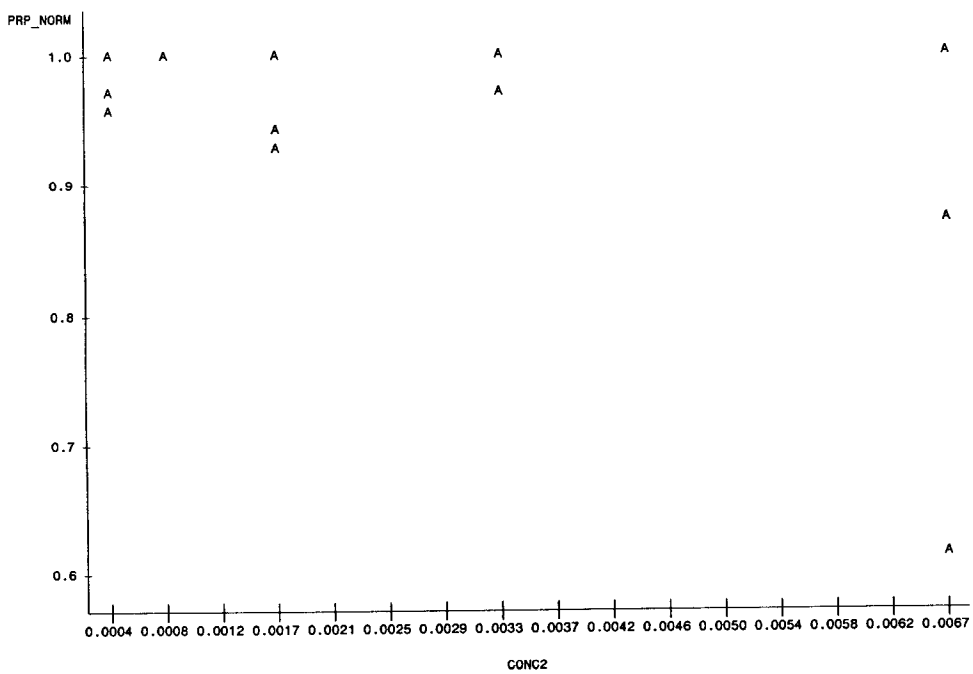
Plot of PRP_NORM*CONC2. Symbol is value of GROUP.



NOTE: 4 obs had missing values. 36 obs hidden.

---------- ANALYTE=Endrinal ----------

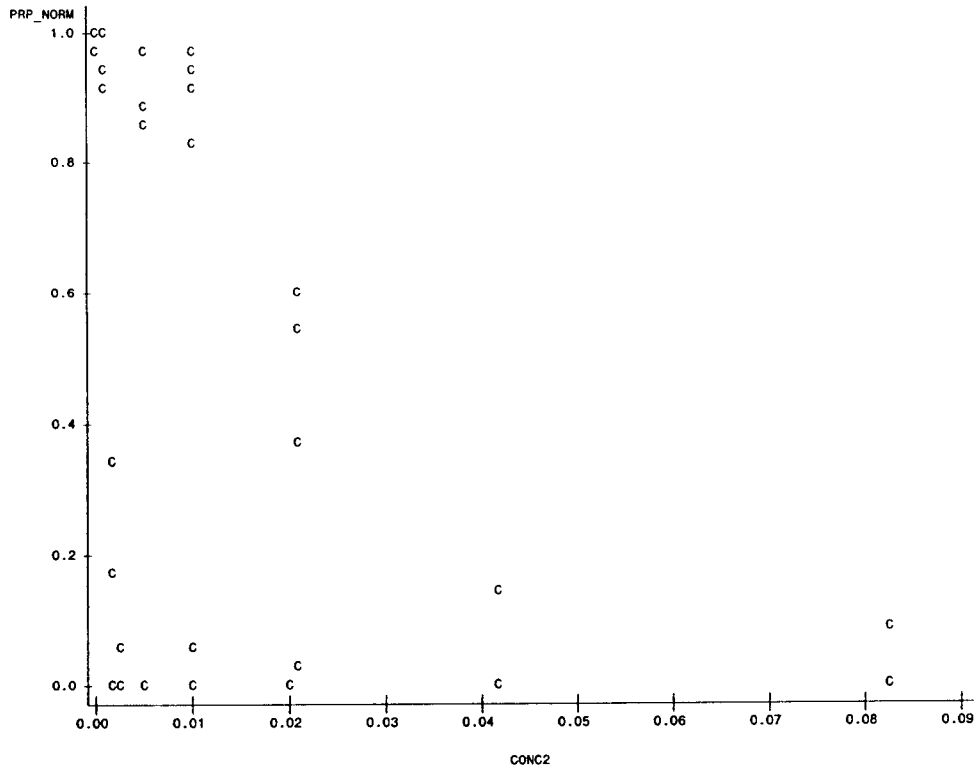
Plot of PRP_NORM*CONC2. Symbol is value of GROUP.



NOTE: 8 obs hidden.

---------- ANALYTE=Endrinke ----------

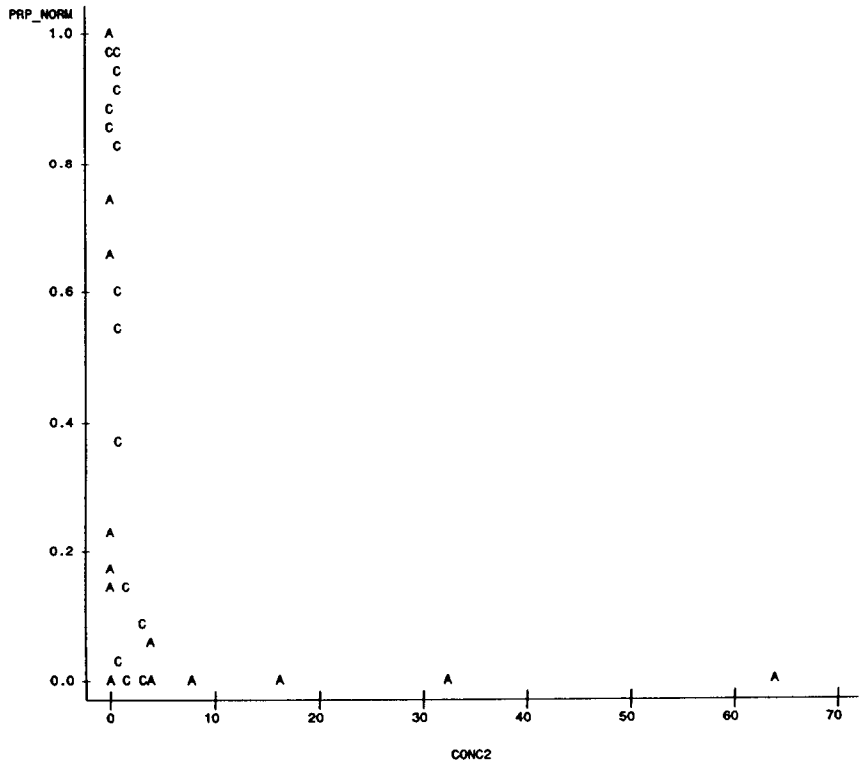
Plot of PRP_NORM*CONC2. Symbol is value of GROUP.



NOTE: 4 obs had missing values. 27 obs hidden.

---------- ANALYTE=Fluorene ----------

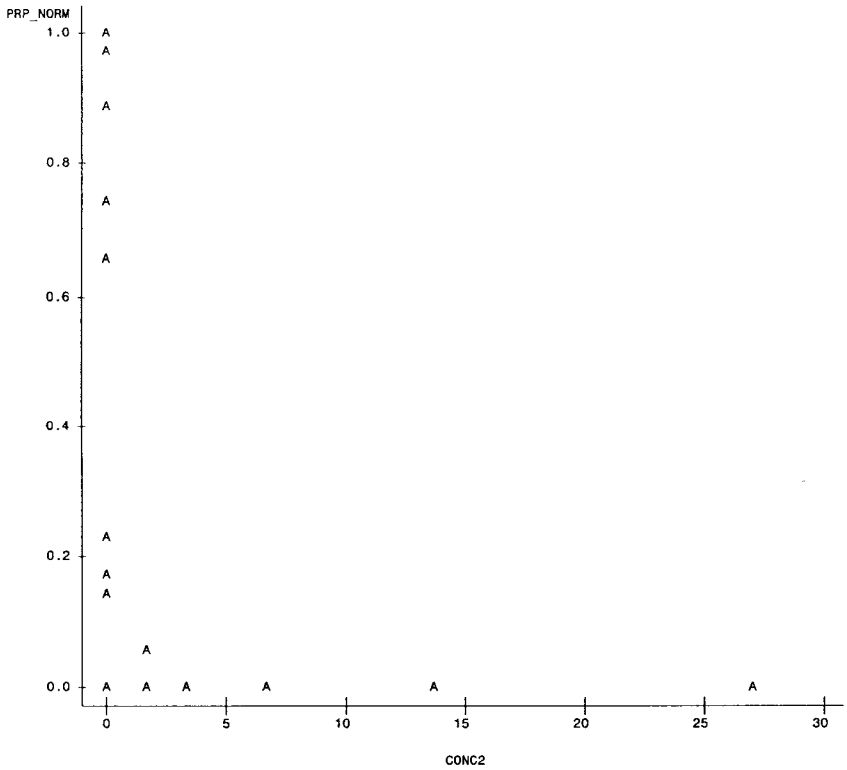
Plot of PRP_NORM*CONC2. Symbol is value of GROUP.



NOTE: 32 obs hidden.

---------- ANALYTE=HighMWPA ----------

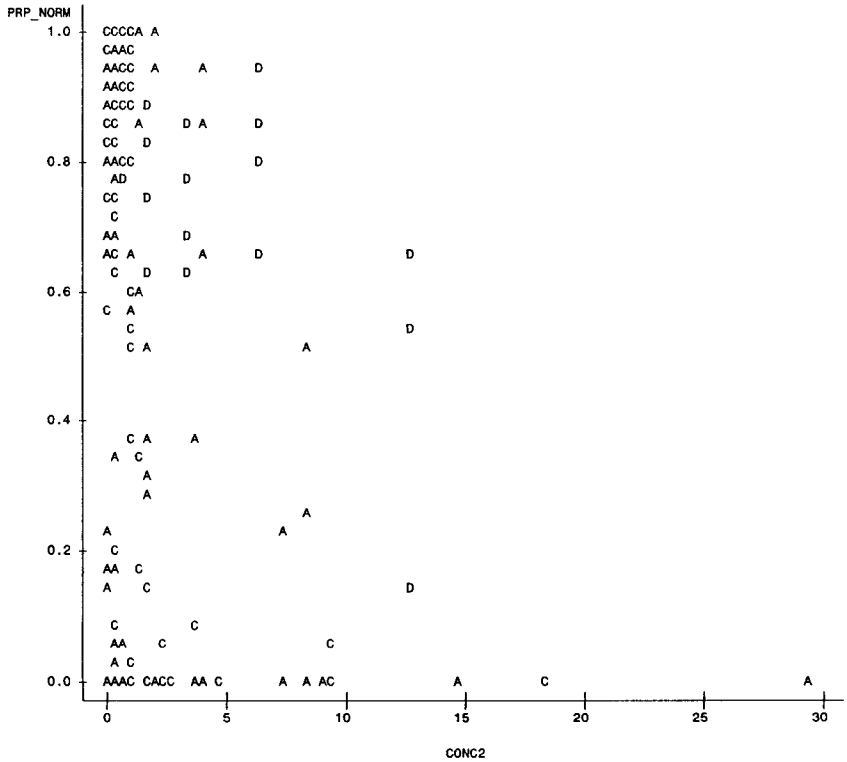
Plot of PRP_NORM*CONC2. Symbol is value of GROUP.



NOTE: 25 obs hidden.

---------- ANALYTE=Lead ----------

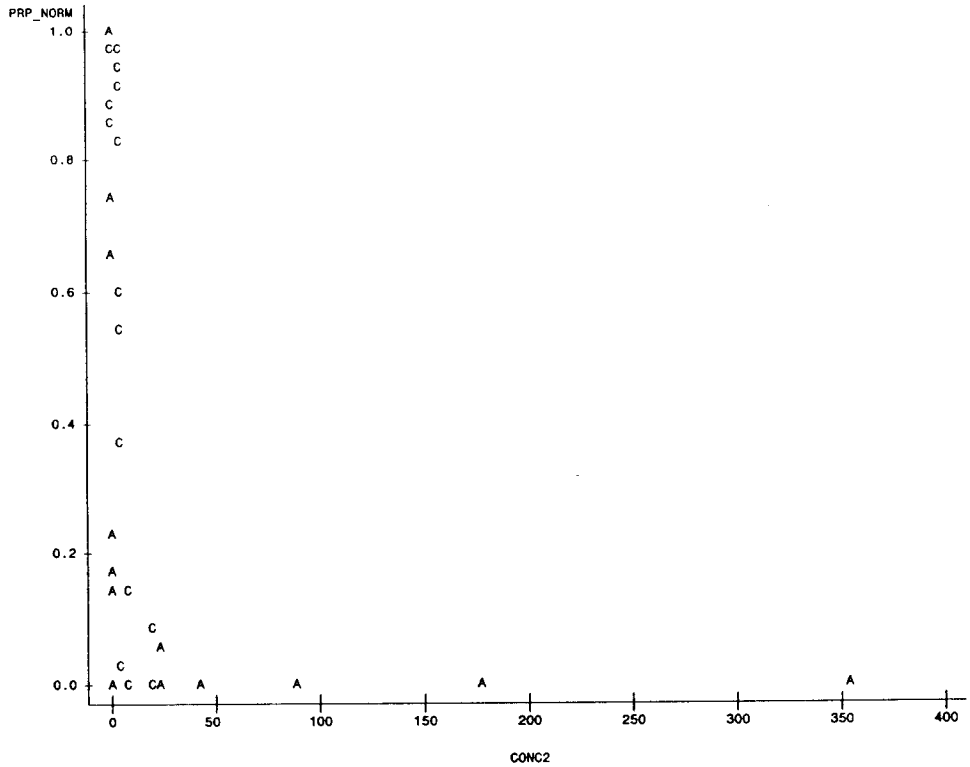
Plot of PRP_NORM*CONC2. Symbol is value of GROUP.



NOTE: 11 obs had missing values. 358 obs hidden.

---------- ANALYTE=LowMWPAH ----------

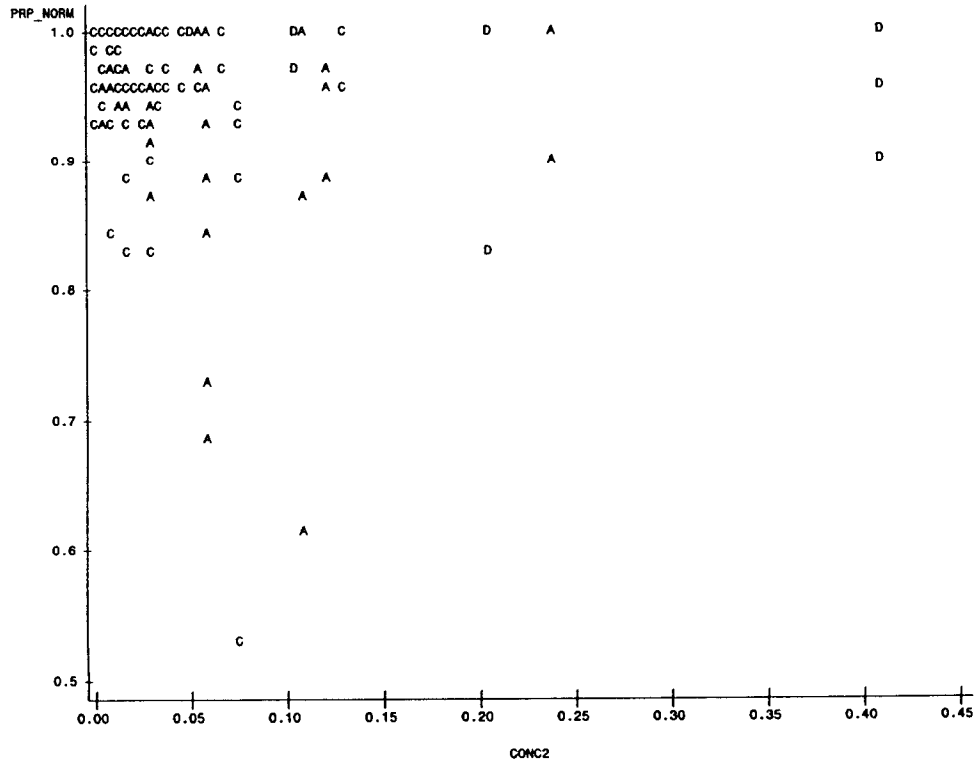
Plot of PRP_NORM*CONC2. Symbol is value of GROUP.



NOTE: 32 obs hidden.

---------- ANALYTE=Mercury ----------

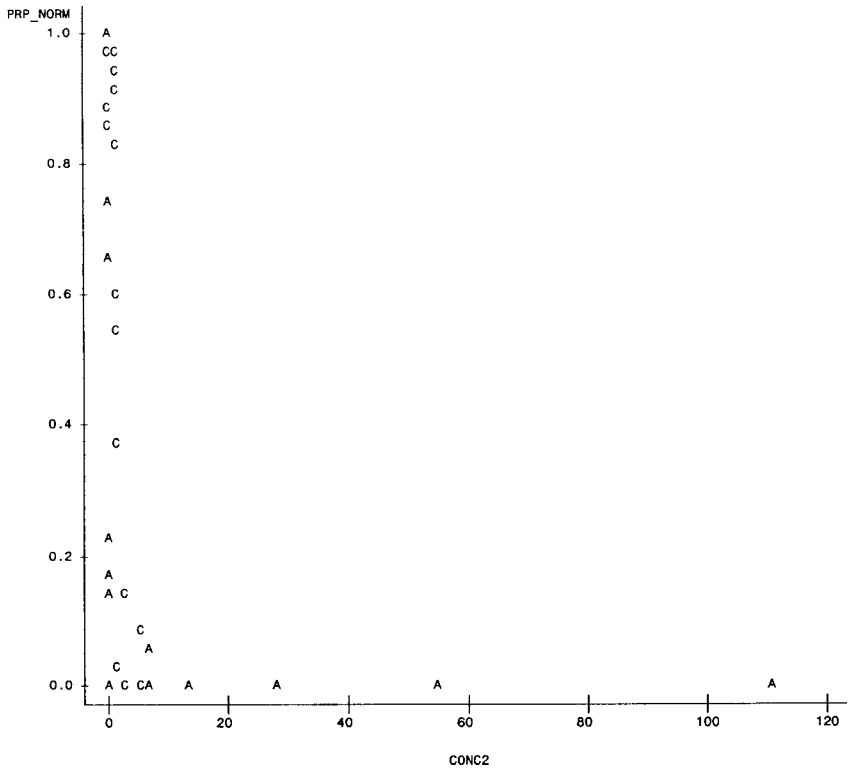
Plot of PRP_NORM*CONC2. Symbol is value of GROUP.



NOTE: 97 obs hidden.

---------- ANALYTE=Naphthal ----------

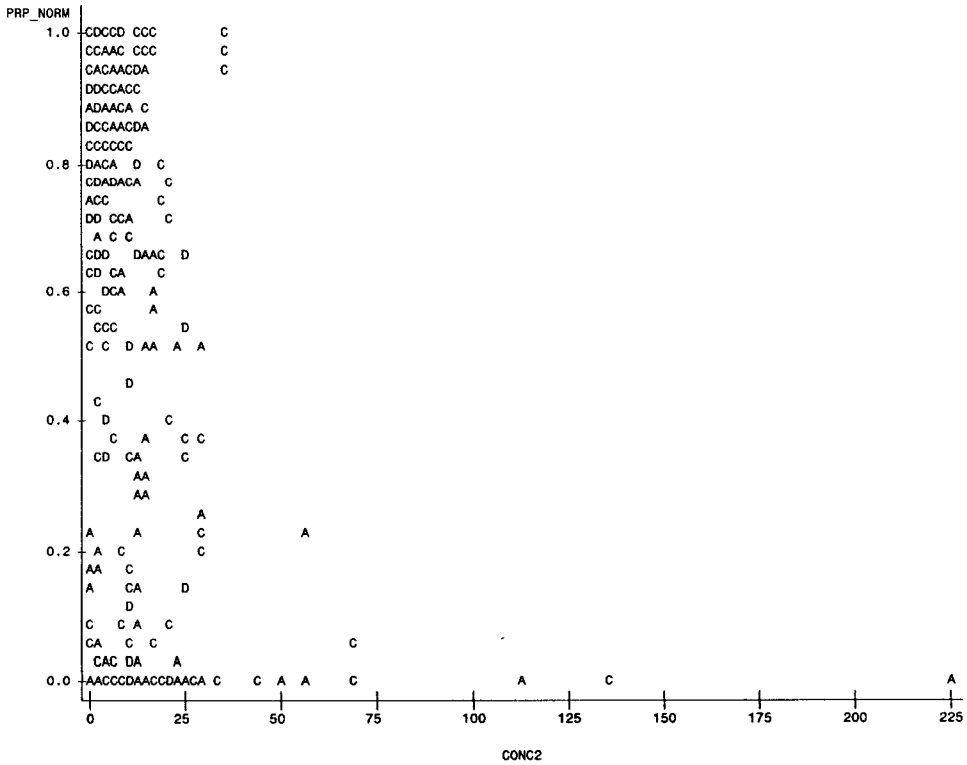
Plot of PRP_NORM*CONC2. Symbol is value of GROUP.



NOTE: 32 obs hidden.

---------- ANALYTE=Nickel ----------

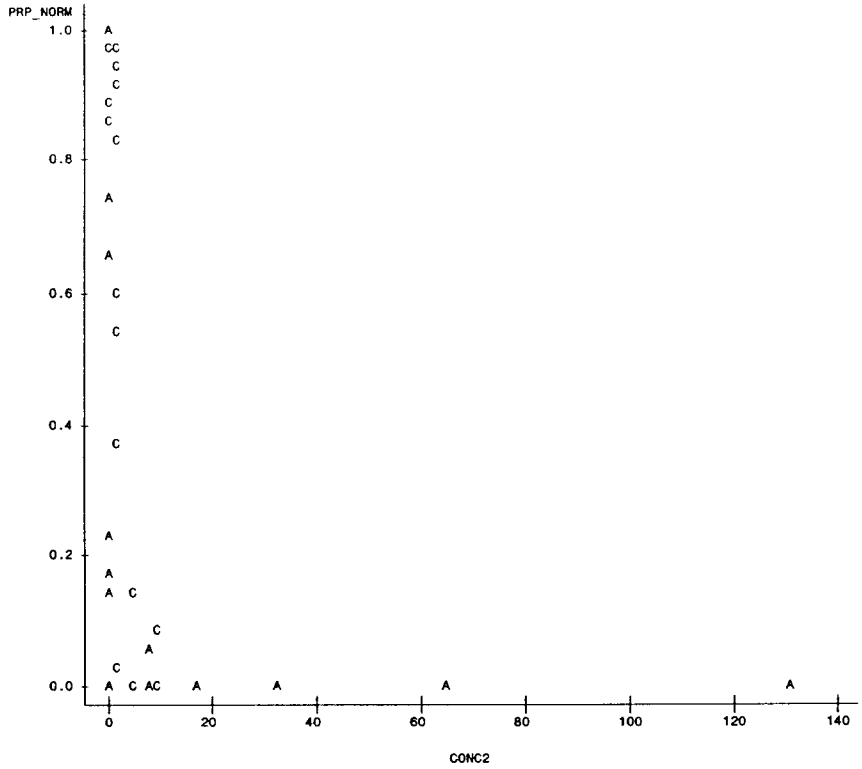
Plot of PRP_NORM*CONC2. Symbol is value of GROUP.



NOTE: 27 obs had missing values. 549 obs hidden.

---------- ANALYTE=Phenanth ----------

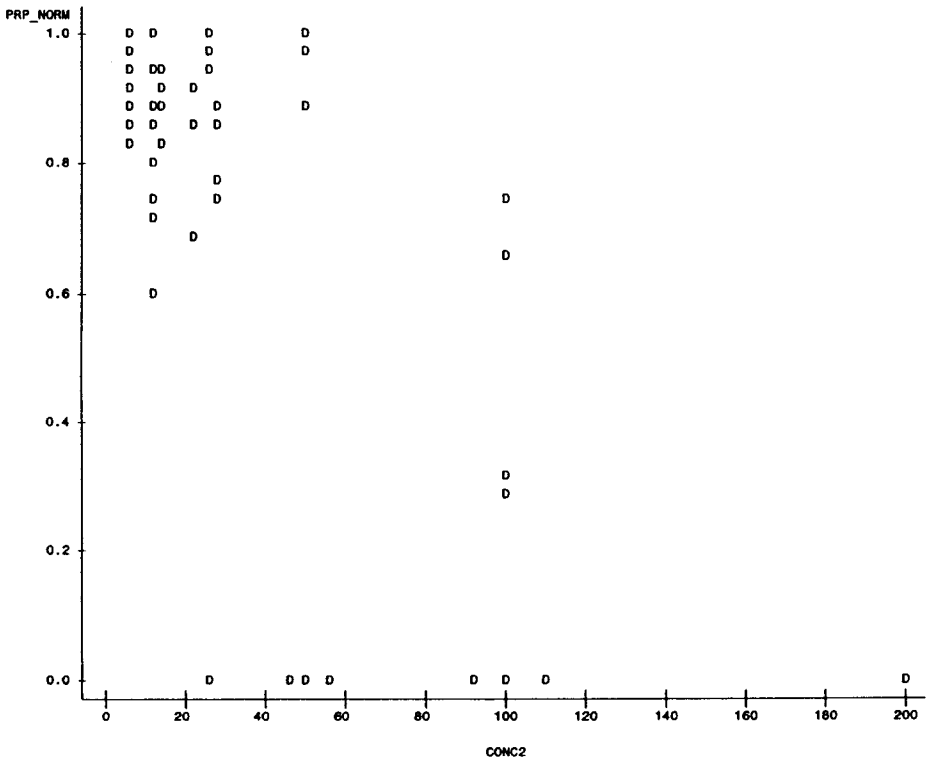
Plot of PRP_NORM*CONC2. Symbol is value of GROUP.



NOTE: 32 obs hidden.

---------- ANALYTE=Phenol ----------

Plot of PRP_NORM*CONC2. Symbol is value of GROUP.

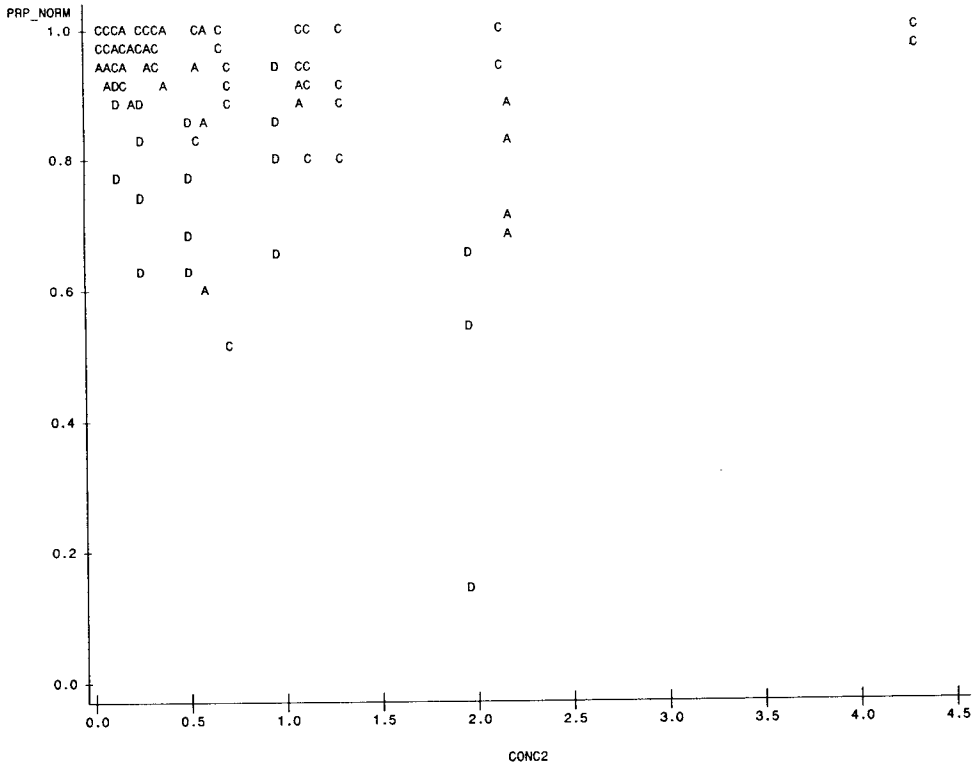


NOTE: 36 obs hidden.

Plot of revised data for mytilus development- untransformed data
a= d+y, b= d+n, c= w+y, d= w+n 13:40 Tuesday, October 26, 1999

---------- ANALYTE=Selenium ----------

Plot of PRP_NORM*CONC2. Symbol is value of GROUP.

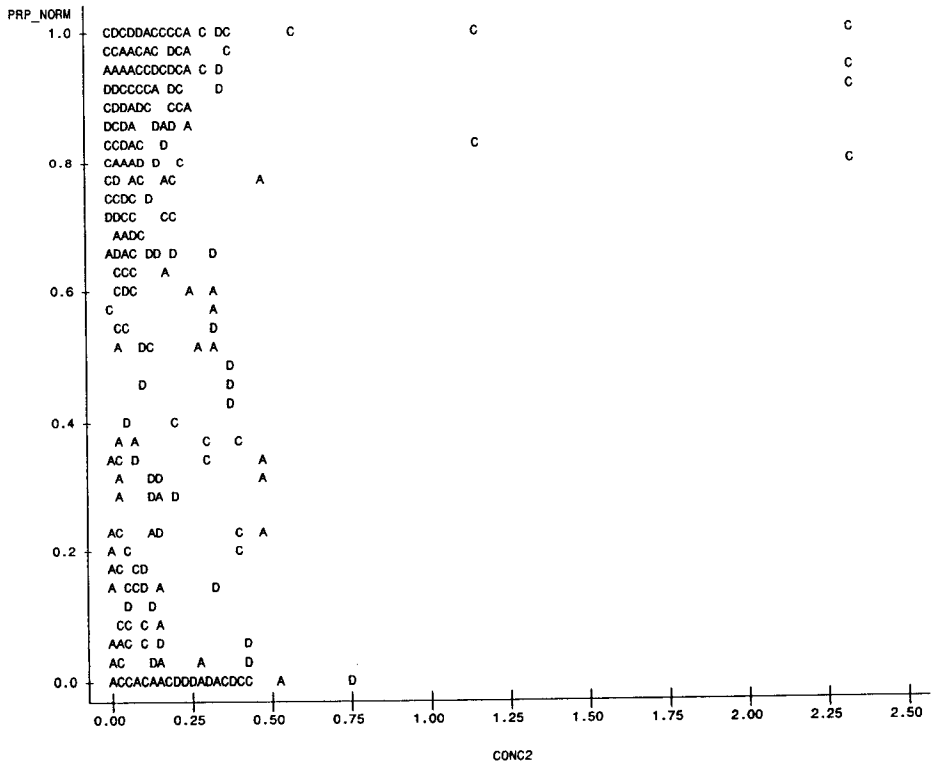


NOTE: 84 obs hidden.

Plot of revised data for mytilus development- untransformed data
a= d+y, b= d+n, c= w+y, d= w+n 13:40 Tuesday, October 26, 1999

---------- ANALYTE=Silver ----------

Plot of PRP_NORM*CONC2. Symbol is value of GROUP.

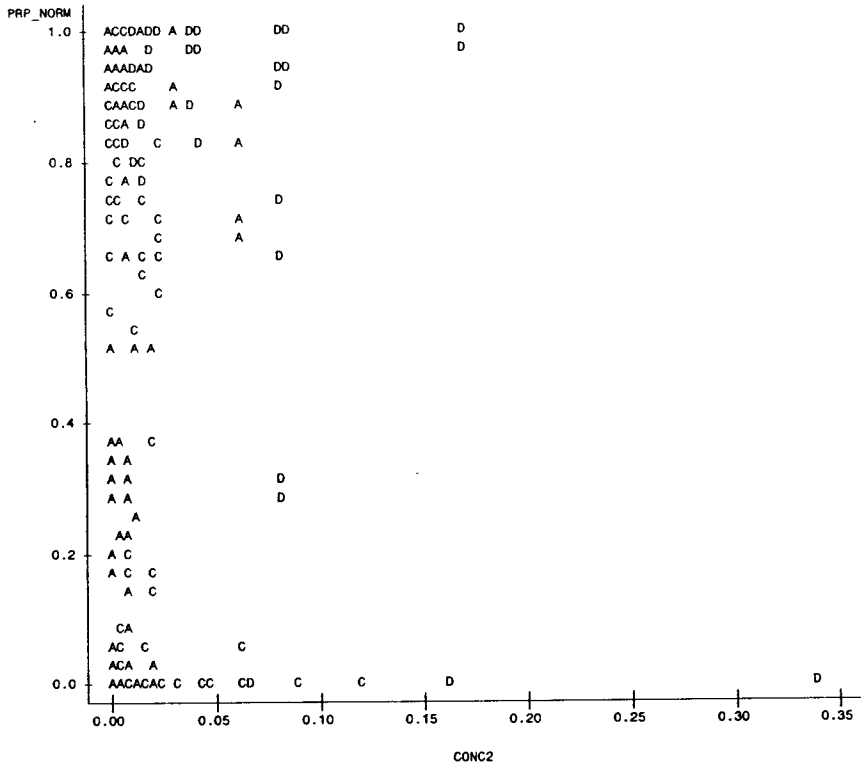


NOTE: 27 obs had missing values. 639 obs hidden.

Plot of revised data for mytilus development- untransformed data
a= d+y, b= d+n, c= w+y, d= w+n 13:40 Tuesday, October 26, 1999

---------- ANALYTE=TDDT ----------

Plot of PRP_NORM*CONC2. Symbol is value of GROUP.

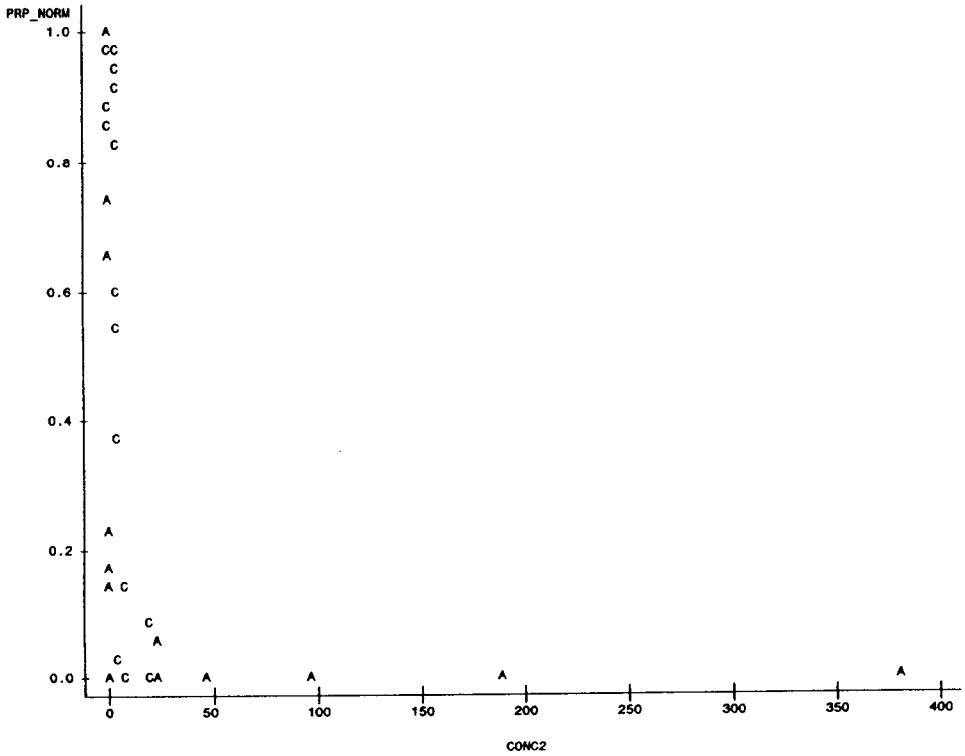


NOTE: 27 obs had missing values. 266 obs hidden.

Plot of revised data for mytilus development- untransformed data
a= d+y, b= d+n, c= w+y, d= w+n 13:40 Tuesday, October 26, 1999

---------- ANALYTE=TPAHs ----------

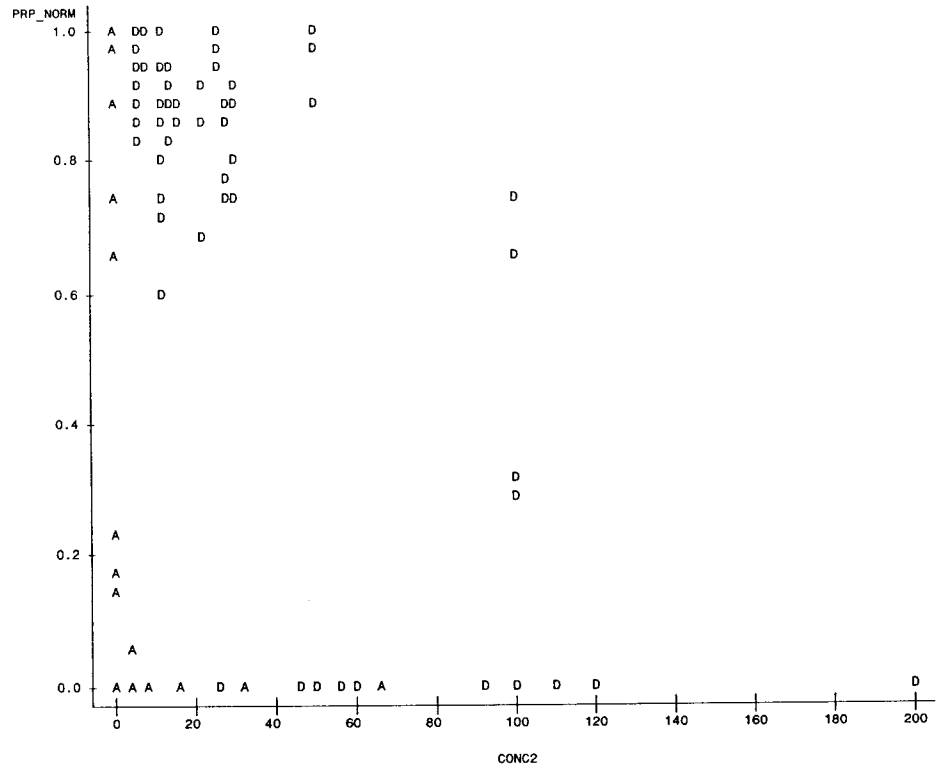
Plot of PRP_NORM*CONC2. Symbol is value of GROUP.



NOTE: 32 obs hidden.

---------- ANALYTE=TPhenol ----------

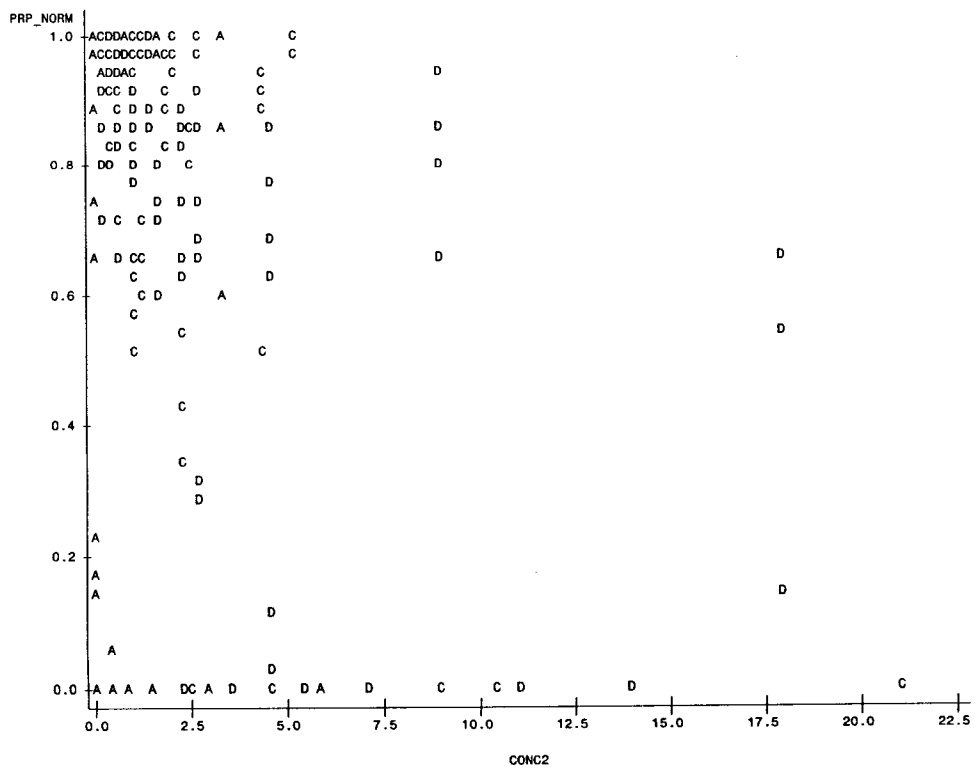
Plot of PRP_NORM*CONC2. Symbol is value of GROUP.



NOTE: 71 obs hidden.

---------- ANALYTE=Vanadium ----------

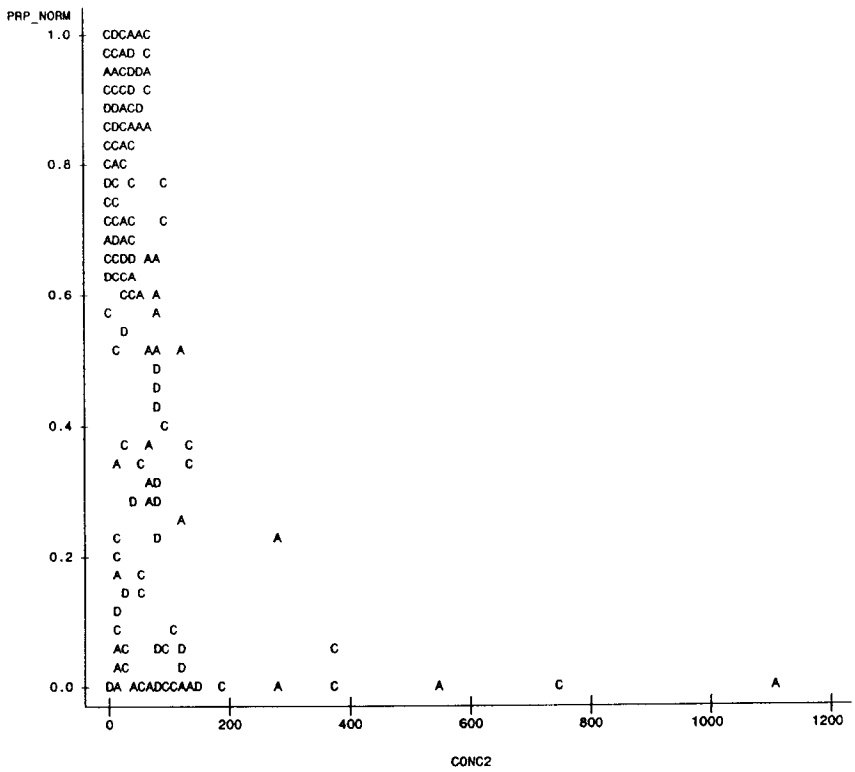
Plot of PRP_NORM*CONC2. Symbol is value of GROUP.



NOTE: 16 obs had missing values. 156 obs hidden.

---------- ANALYTE=Zinc ----------

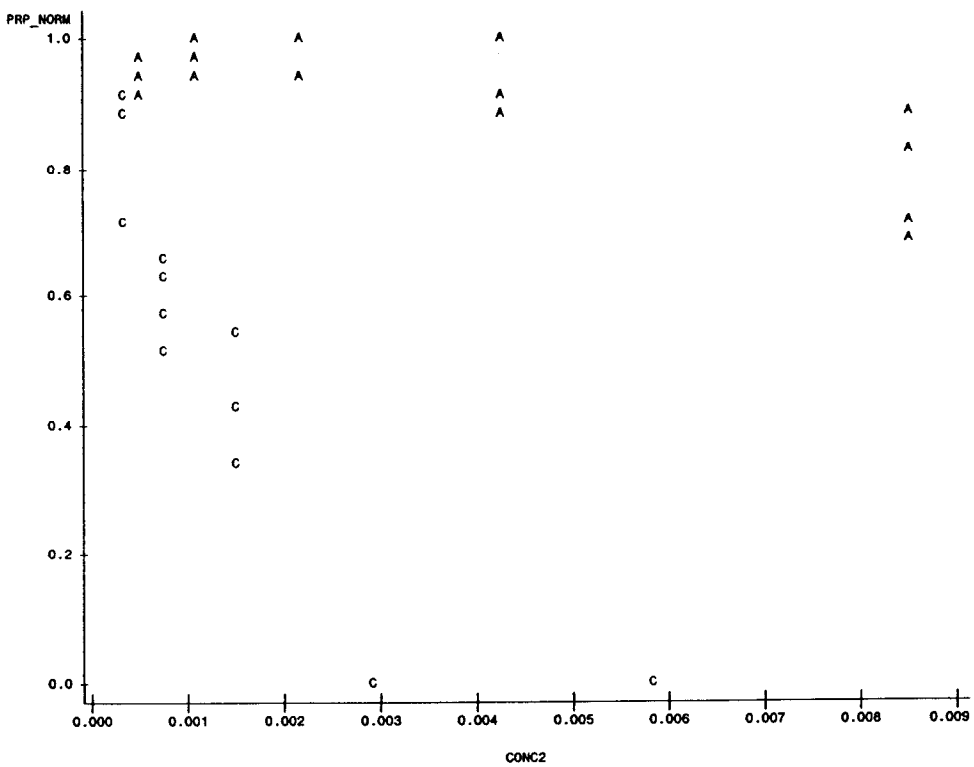
Plot of PRP_NORM*CONC2. Symbol is value of GROUP.



NOTE: 27 obs had missing values. 504 obs hidden.

---------- ANALYTE=endsulfI ----------

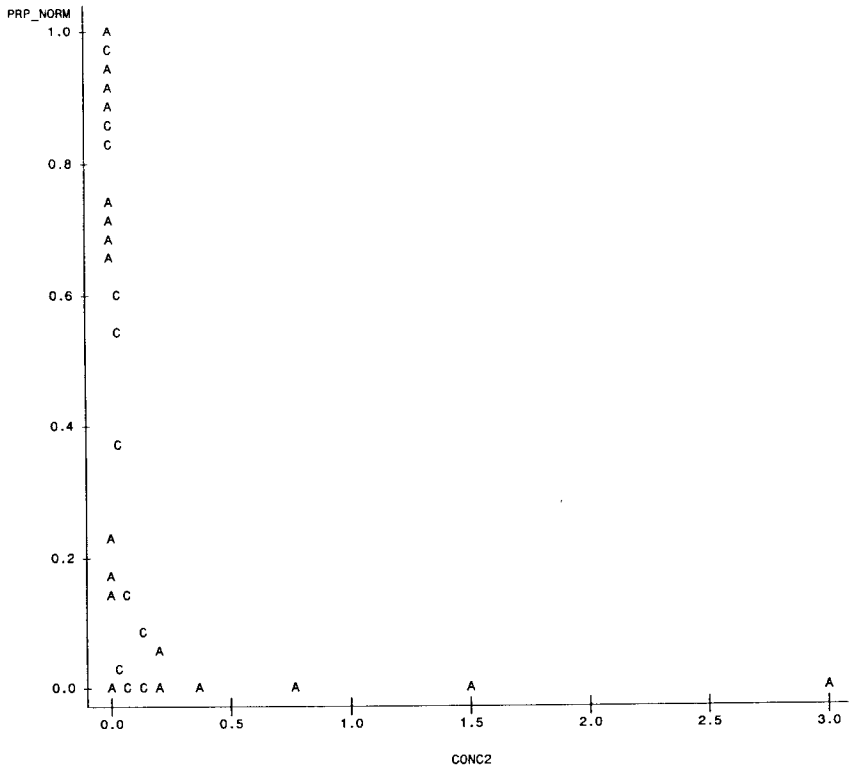
Plot of PRP_NORM*CONC2. Symbol is value of GROUP.



NOTE: 13 obs hidden.

---------- ANALYTE=endsulfs ----------

Plot of PRP_NORM*CONC2. Symbol is value of GROUP.

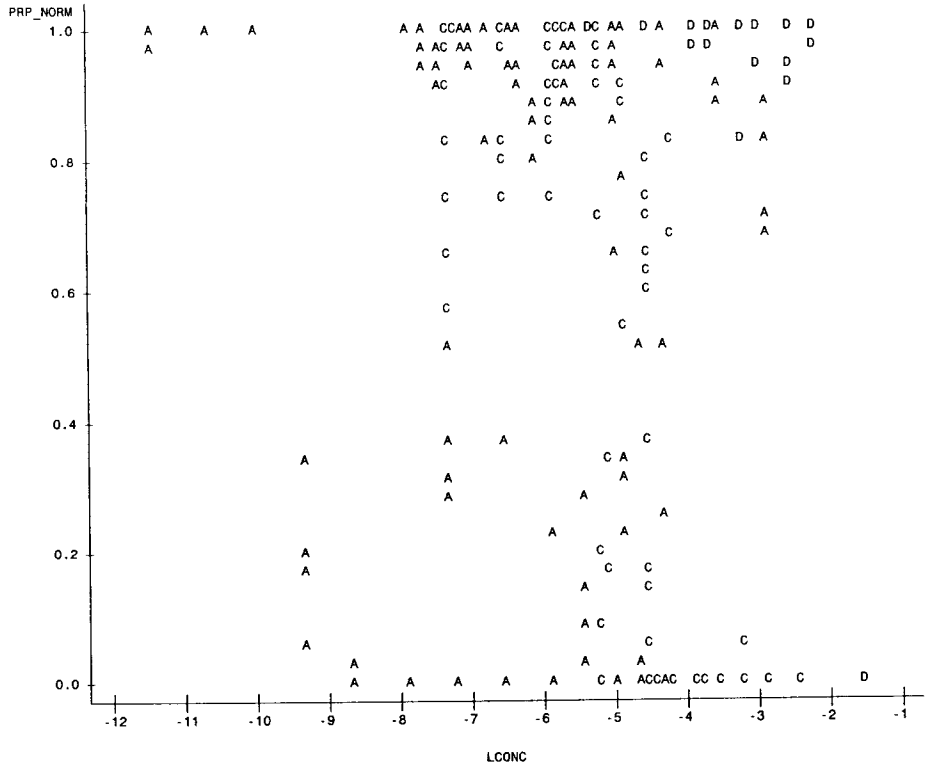


NOTE: 51 obs hidden.

Plot of revised for mytilus development- log transformed data
a= d+y, b= d+n, c= w+y, d= w+n 13:40 Tuesday, October 26, 1999

---------- ANALYTE=44DDD ----------

Plot of PRP_NORM*LCONC. Symbol is value of GROUP.

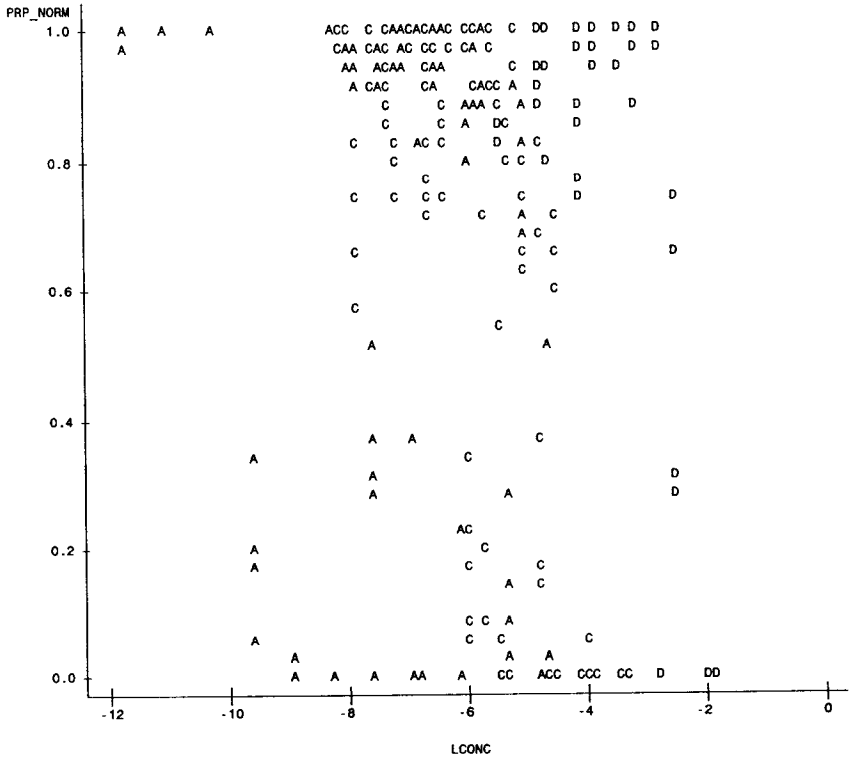


NOTE: 11 obs had missing values. 154 obs hidden.

Plot of revised for mytilus development- log transformed data
a= d+y, b= d+n, c= w+y, d= w+n 13:40 Tuesday, October 26, 1999

---------- ANALYTE=44DDE ----------

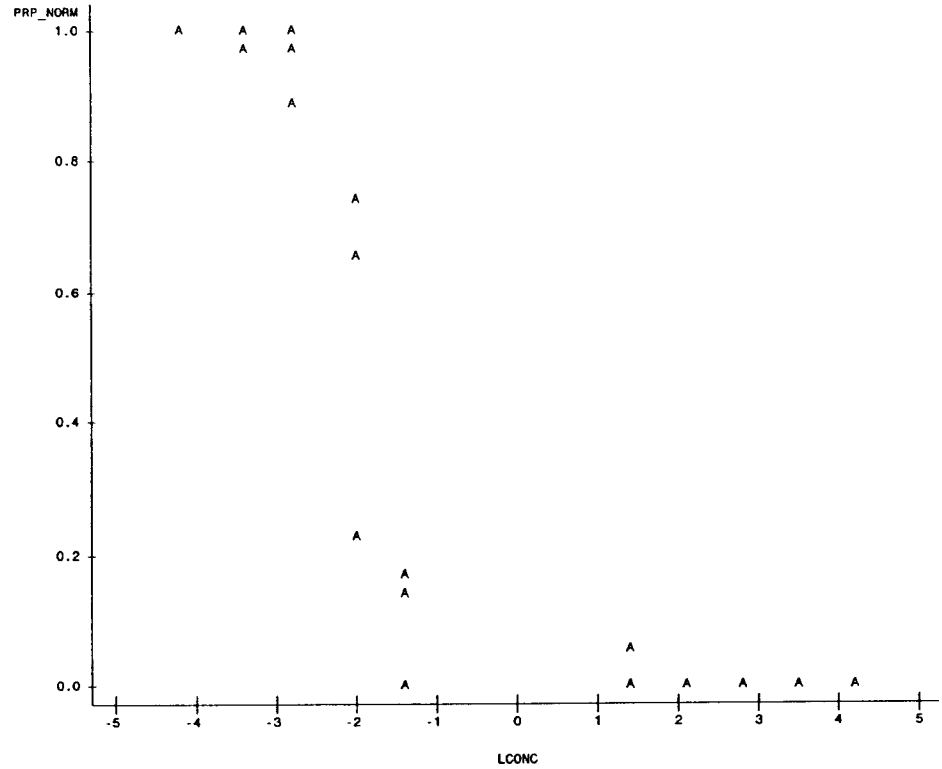
Plot of PRP_NORM*LCONC. Symbol is value of GROUP.



NOTE: 27 obs had missing values. 158 obs hidden.

---------- ANALYTE=4Methylp ----------

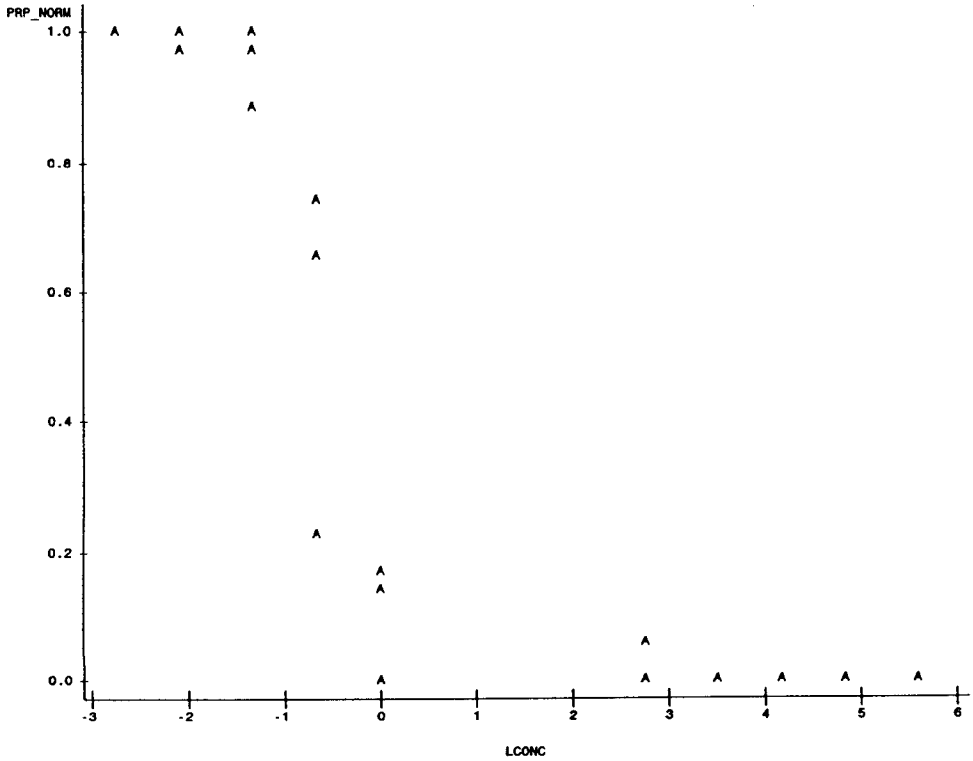
Plot of PRP_NORM*LCONC. Symbol is value of GROUP.



NOTE: 22 obs hidden.

---------- ANALYTE=4Nitroph ----------

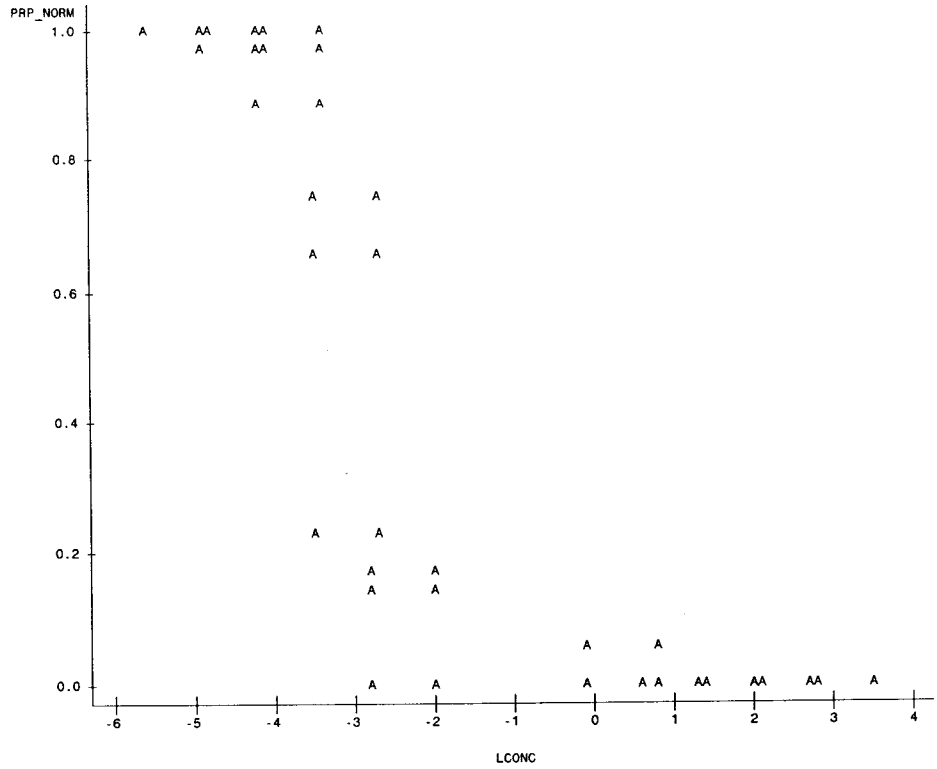
Plot of PRP_NORM*LCONC. Symbol is value of GROUP.



NOTE: 22 obs hidden.

---------- ANALYTE=Acenapht ----------

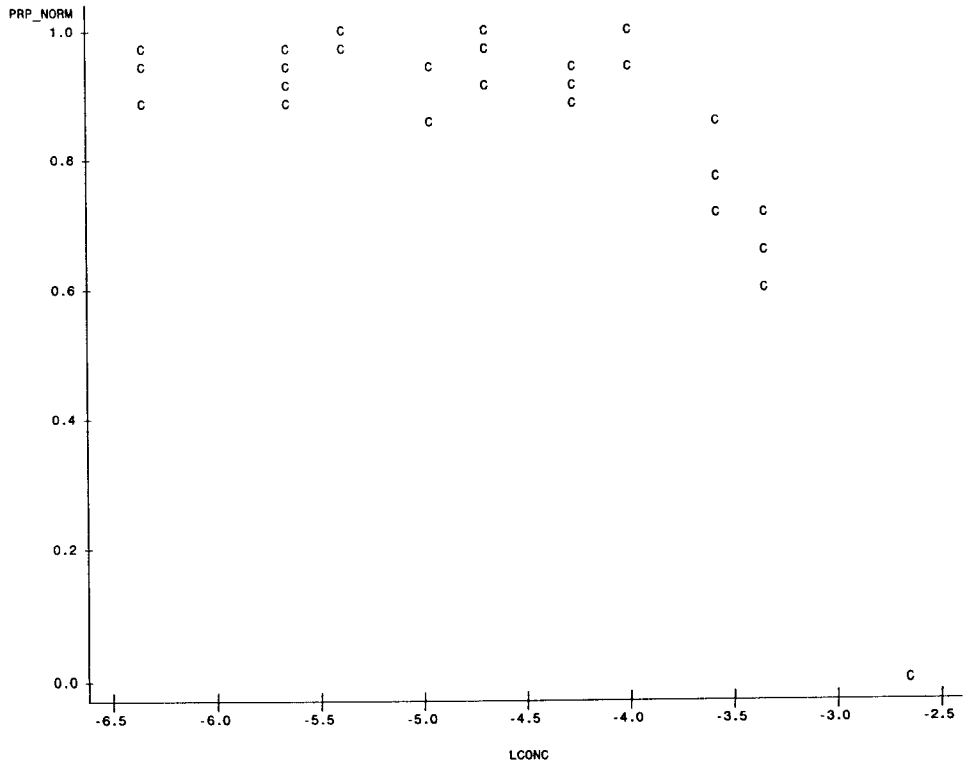
Plot of PRP_NORM*LCONC. Symbol is value of GROUP.



NOTE: 44 obs hidden.

---------- ANALYTE=Aldrin ----------

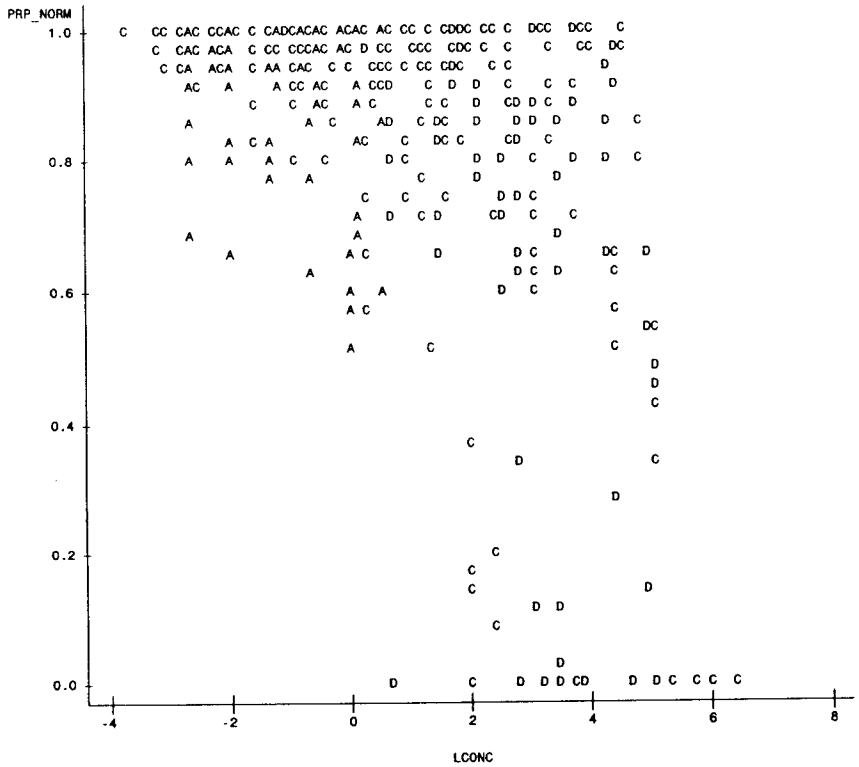
Plot of PRP_NORM*LCONC. Symbol is value of GROUP.



NOTE: 14 obs hidden.

---------- ANALYTE=Arsenic ----------

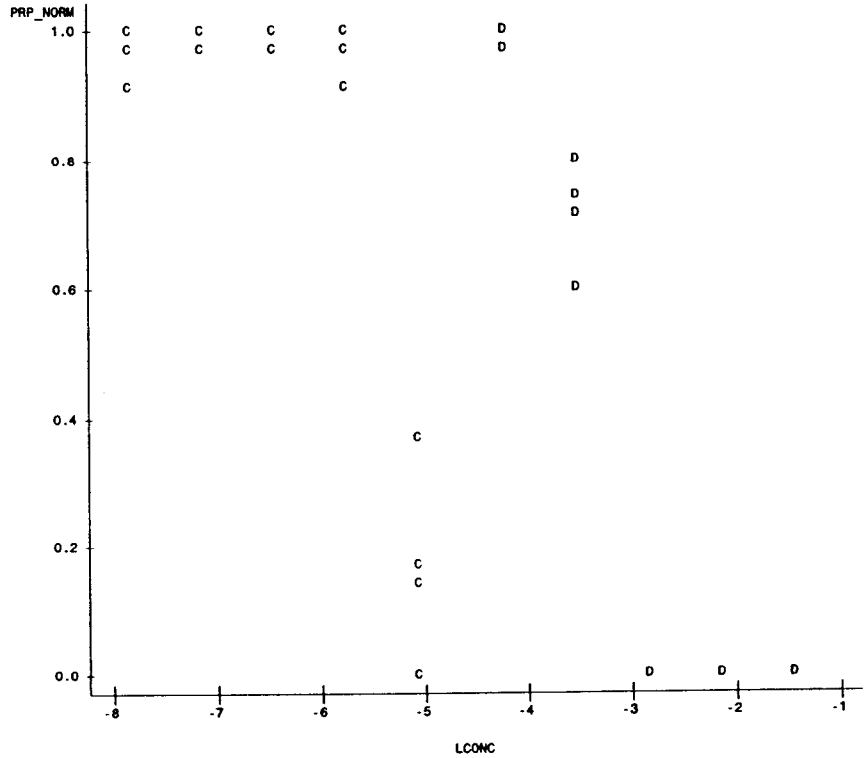
Plot of PRP_NORM*LCONC. Symbol is value of GROUP.



NOTE: 16 obs had missing values. 195 obs hidden.

---------- ANALYTE=BHCalpha ----------

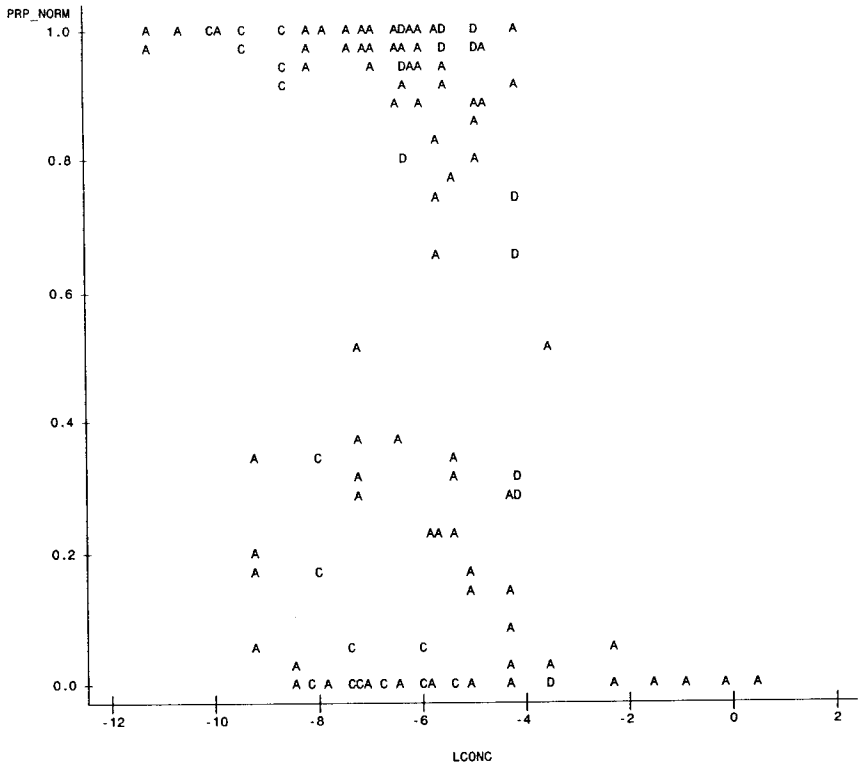
Plot of PRP_NORM*LCONC. Symbol is value of GROUP.



NOTE: 17 obs hidden.

---------- ANALYTE=BHCbeta ----------

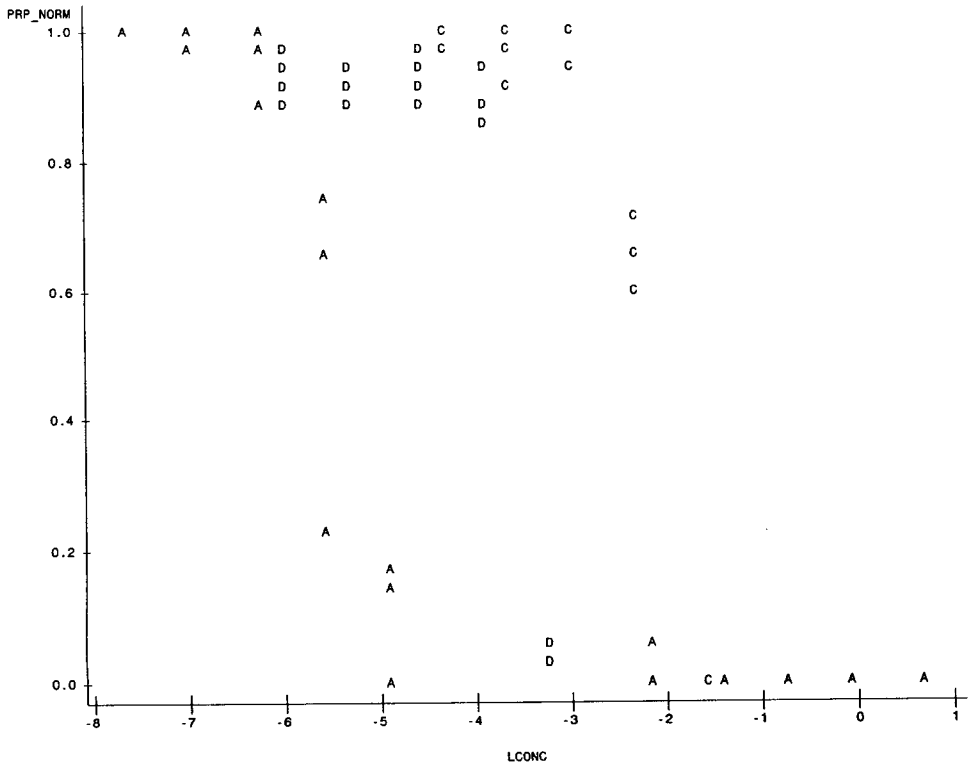
Plot of PRP_NORM*LCONC. Symbol is value of GROUP.



NOTE: 11 obs had missing values. 105 obs hidden.

---------- ANALYTE=BHCdelta ----------

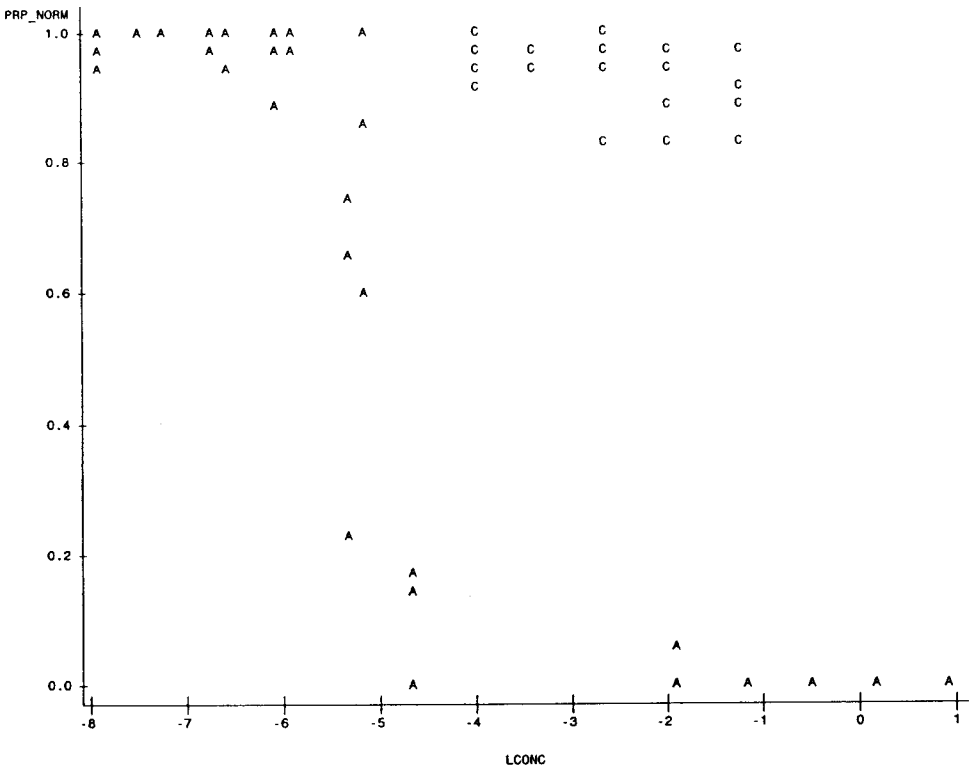
Plot of PRP_NORM*LCONC. Symbol is value of GROUP.



NOTE: 35 obs hidden.

---------- ANALYTE=BHCgamma ----------

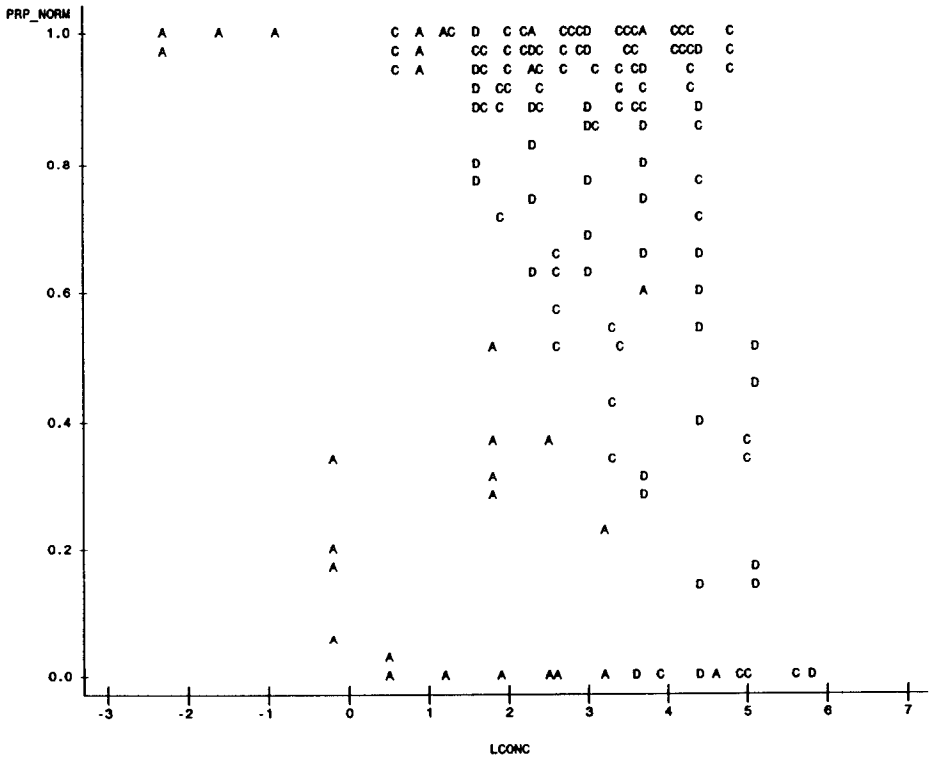
Plot of PRP_NORM*LCONC. Symbol is value of GROUP.



NOTE: 33 obs hidden.

---------- ANALYTE=Barium ----------

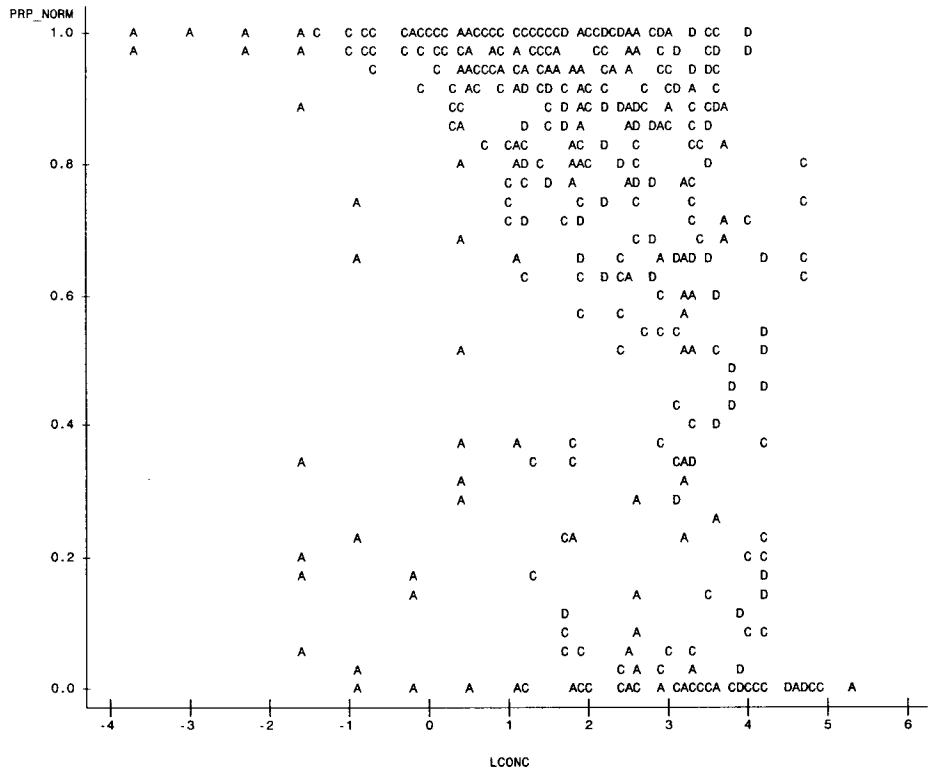
Plot of PRP_NORM*LCONC. Symbol is value of GROUP.



NOTE: 23 obs had missing values. 139 obs hidden.

---------- ANALYTE=Berylliu ----------

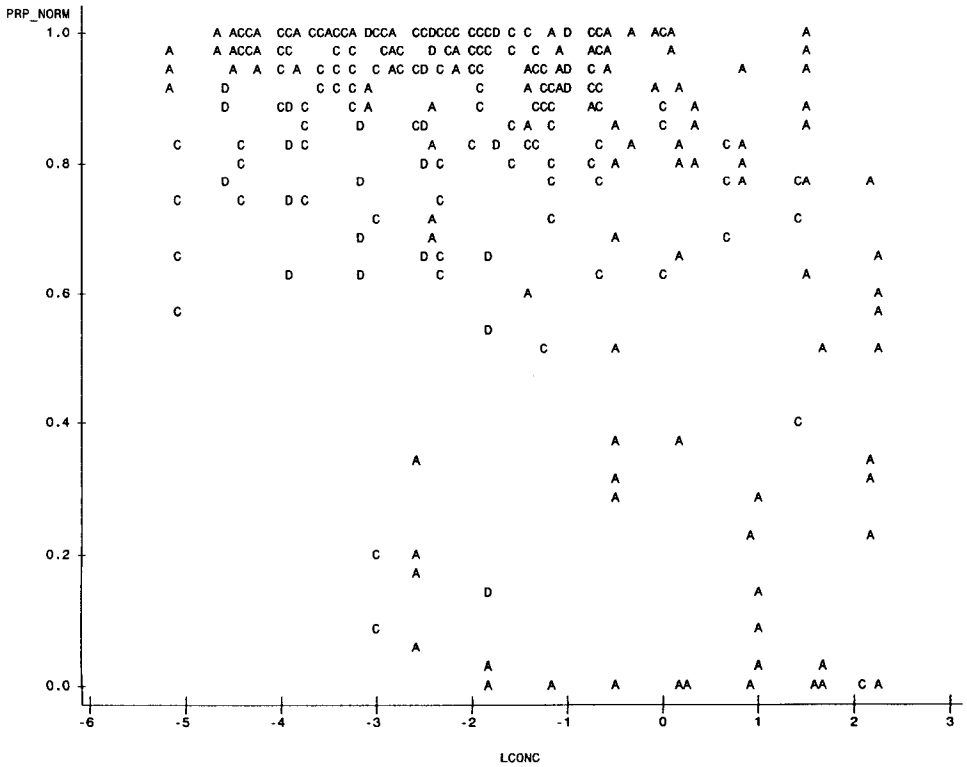
Plot of PRP_NORM*LCONC. Symbol is value of GROUP.



NOTE: 11 obs had missing values. 356 obs hidden.

---------- ANALYTE=Cadmium ----------

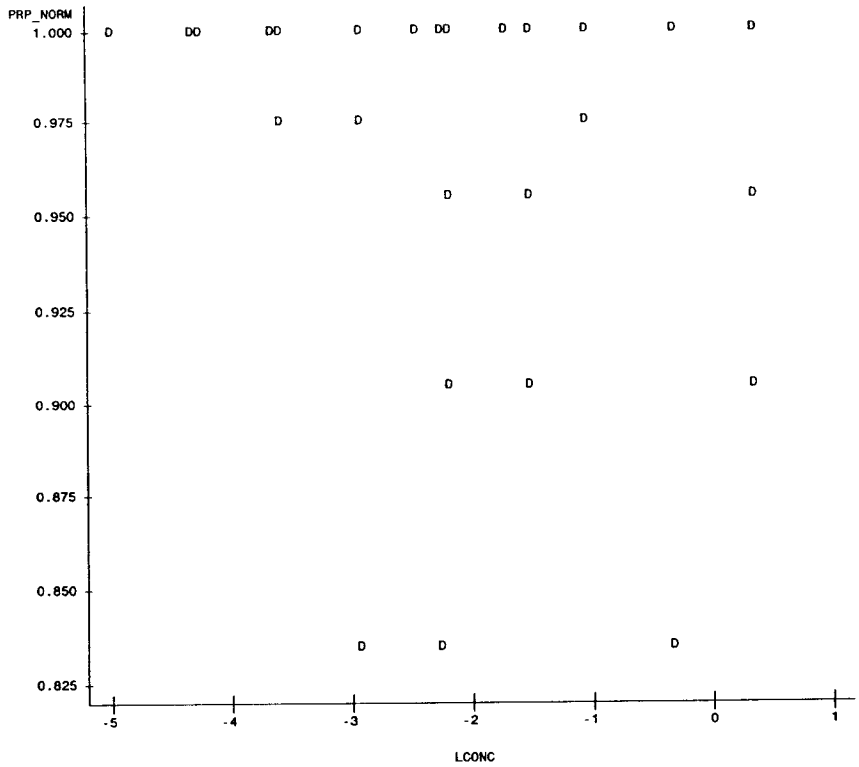
Plot of PRP_NORM*LCONC. Symbol is value of GROUP.



NOTE: 7 obs had missing values. 158 obs hidden.

ANALYTE=Chlordan

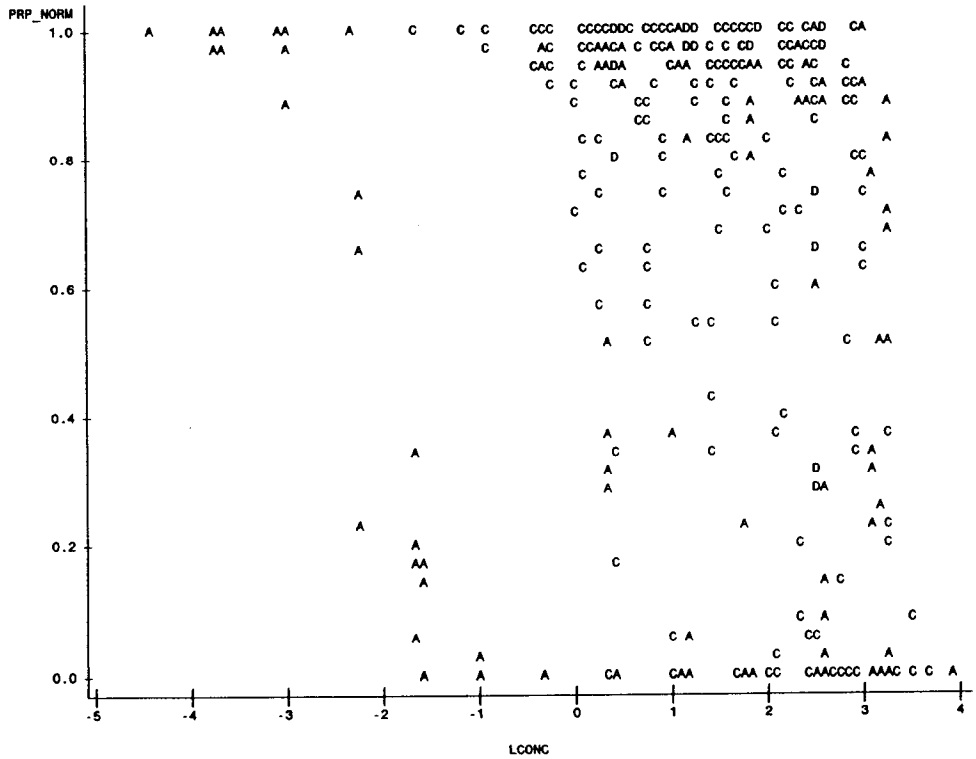
Plot of PRP_NORM*LCONC. Symbol is value of GROUP.



NOTE: 34 obs hidden.

ANALYTE=Chromium

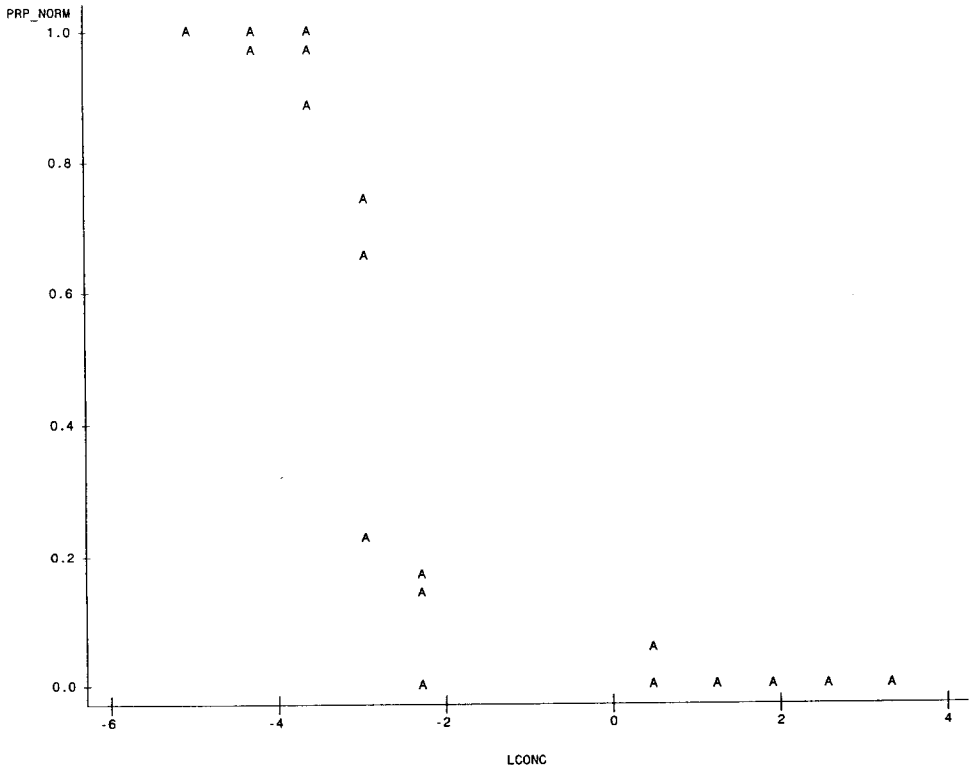
Plot of PRP_NORM*LCONC. Symbol is value of GROUP.



NOTE: 11 obs had missing values. 323 obs hidden.

---------- ANALYTE=Chrysene ----------

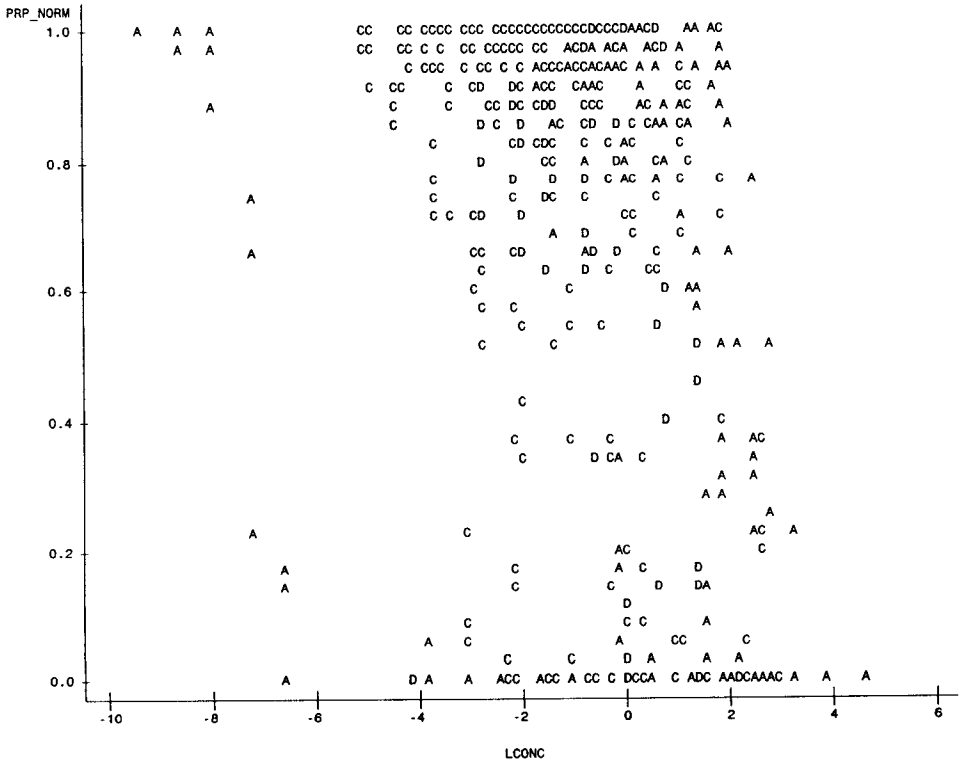
Plot of PRP_NORM*LCONC. Symbol is value of GROUP.



NOTE: 22 obs hidden.

---------- ANALYTE=Cobalt ----------

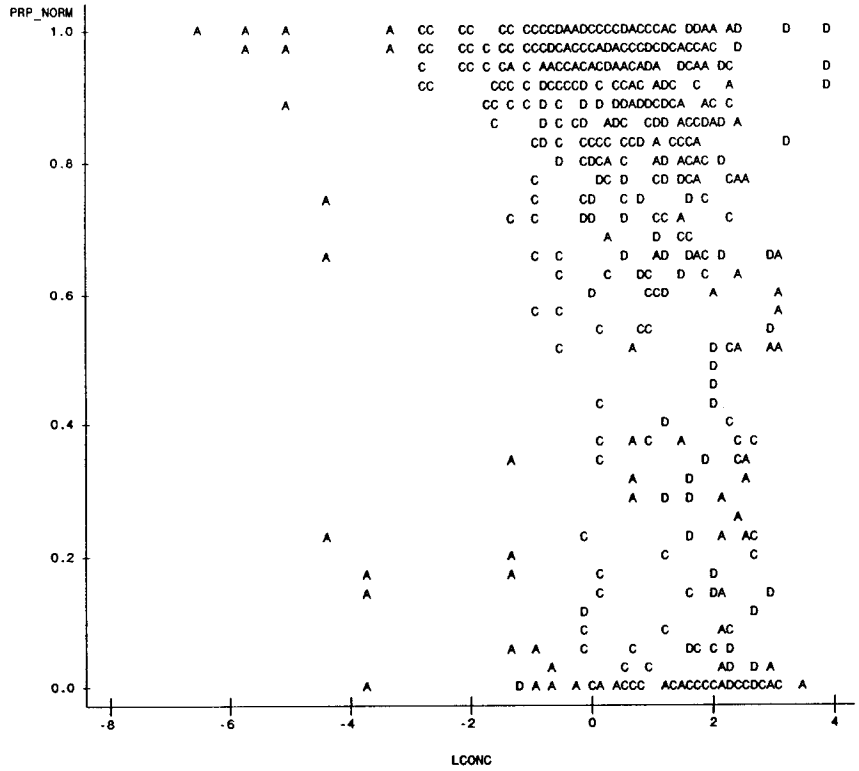
Plot of PRP_NORM*LCONC. Symbol is value of GROUP.



NOTE: 27 obs had missing values. 408 obs hidden.

---------- ANALYTE=Copper ----------

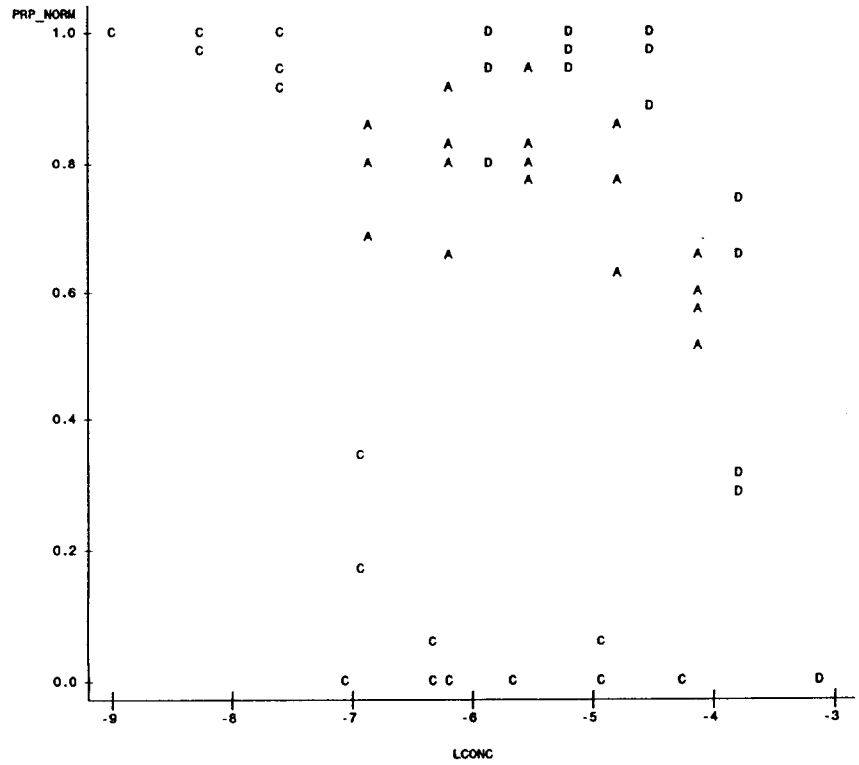
Plot of PRP_NORM*LCONC. Symbol is value of GROUP.



NOTE: 27 obs had missing values. 577 obs hidden.

---------- ANALYTE=Dieldrin ----------

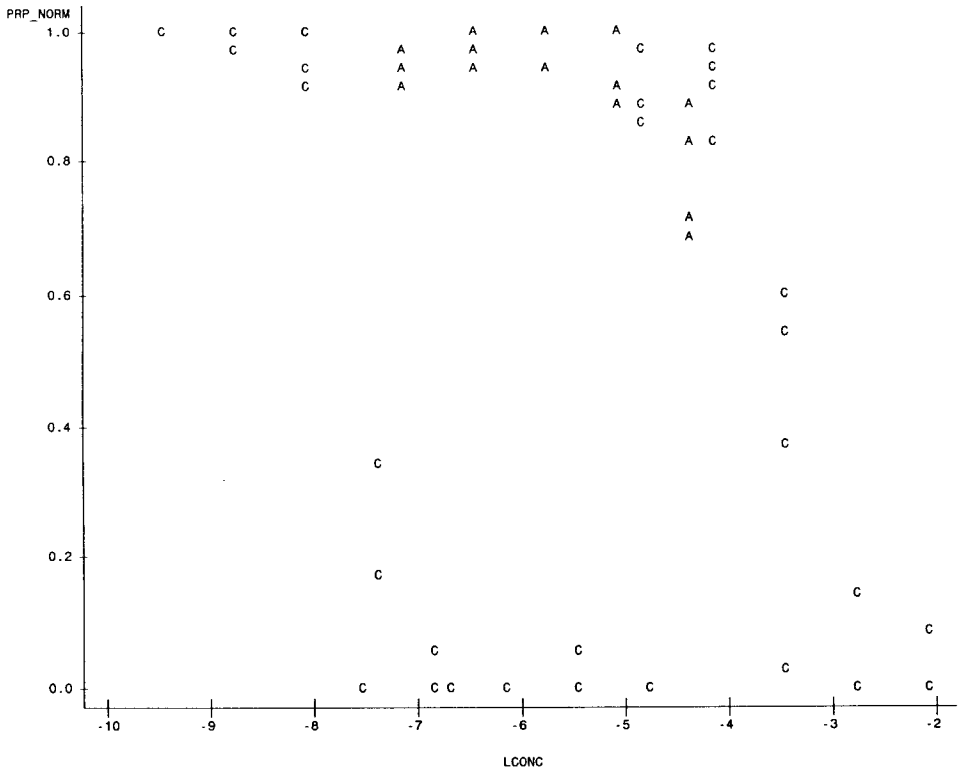
Plot of PRP_NORM*LCONC. Symbol is value of GROUP.



NOTE: 4 obs had missing values. 28 obs hidden.

---------- ANALYTE=Endrin ----------

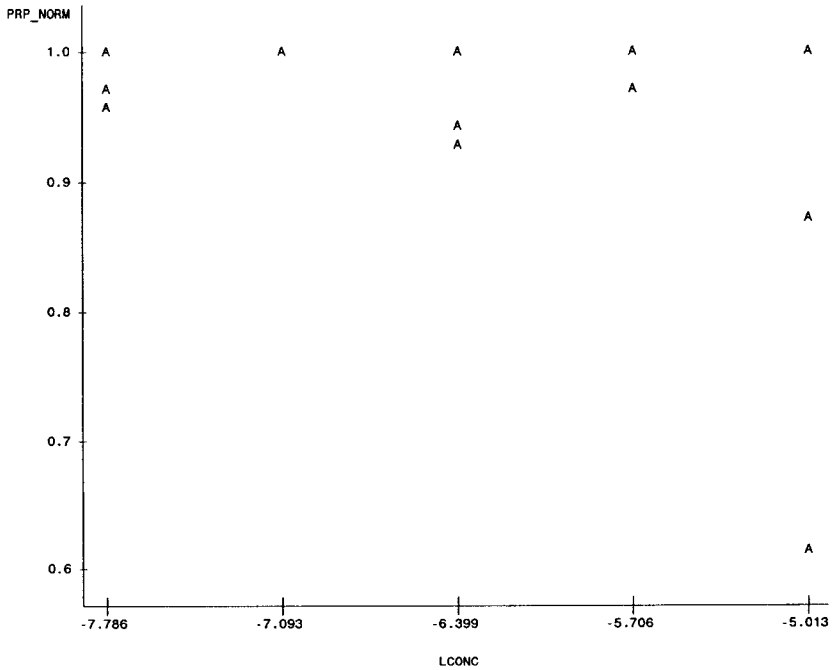
Plot of PRP_NORM*LCONC. Symbol is value of GROUP.



NOTE: 4 obs had missing values. 30 obs hidden.

---------- ANALYTE=Endrinal ----------

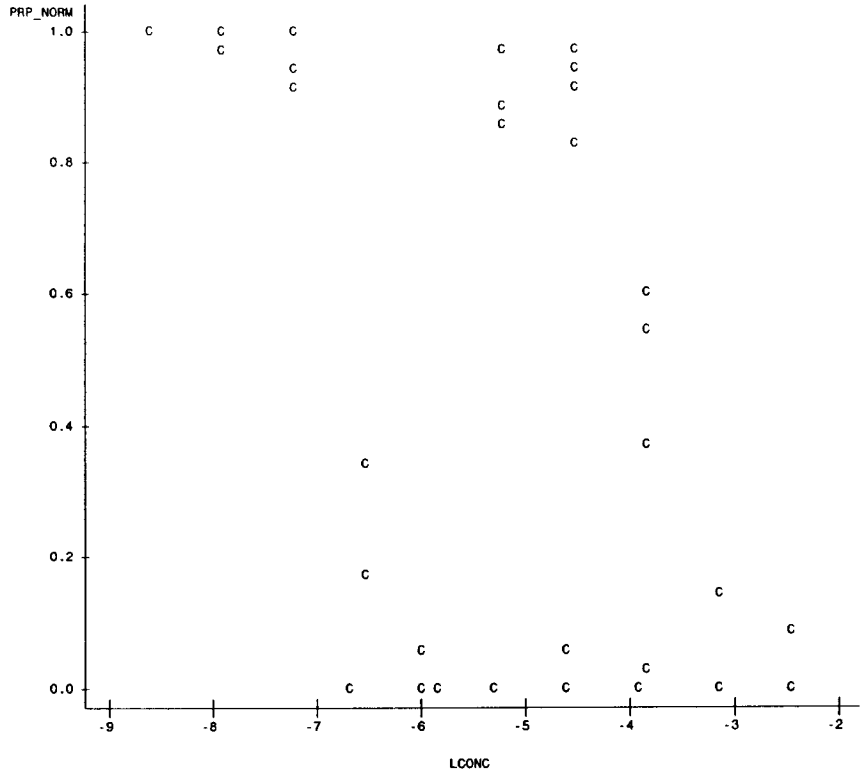
Plot of PRP_NORM*LCONC. Symbol is value of GROUP.



NOTE: 8 obs hidden.

---------- ANALYTE=Endrinke ----------

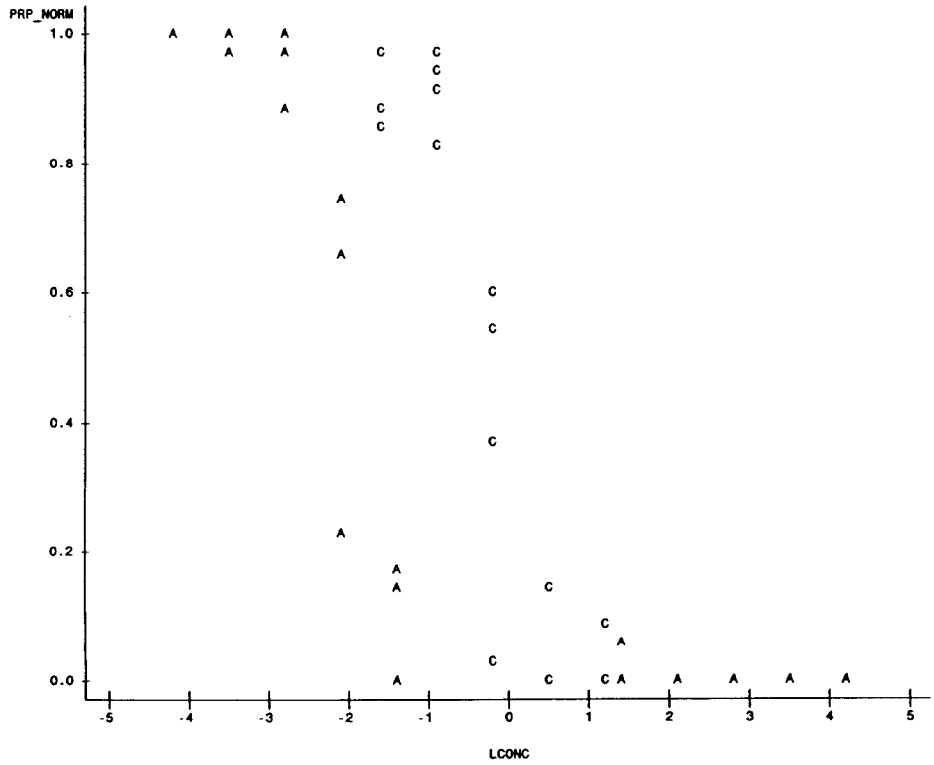
Plot of PRP_NORM*LCONC. Symbol is value of GROUP.



NOTE: 4 obs had missing values. 25 obs hidden.

---------- ANALYTE=Fluorene ----------

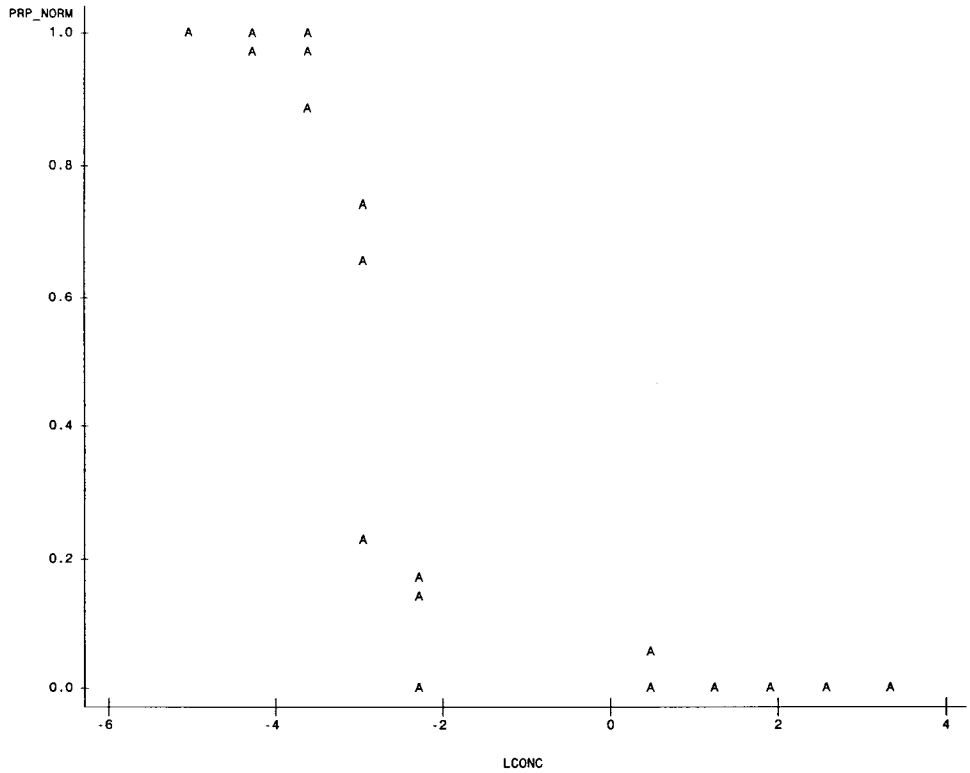
Plot of PRP_NORM*LCONC. Symbol is value of GROUP.



NOTE: 27 obs hidden.

---------- ANALYTE=HighMWPA ----------

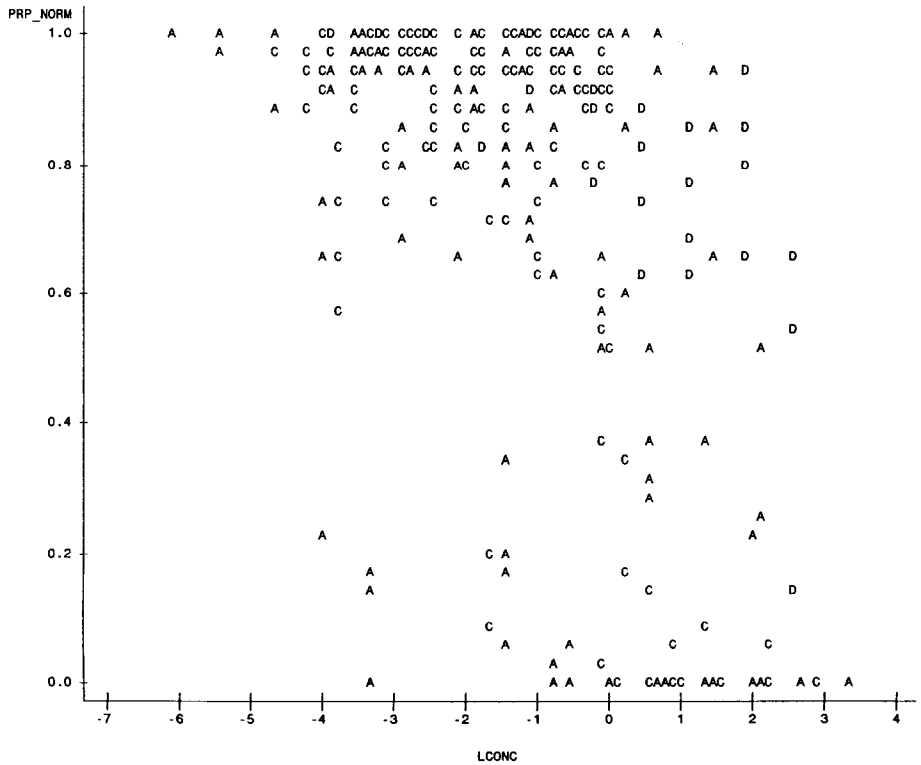
Plot of PRP_NORM*LCONC. Symbol is value of GROUP.



NOTE: 22 obs hidden.

---------- ANALYTE=Lead ----------

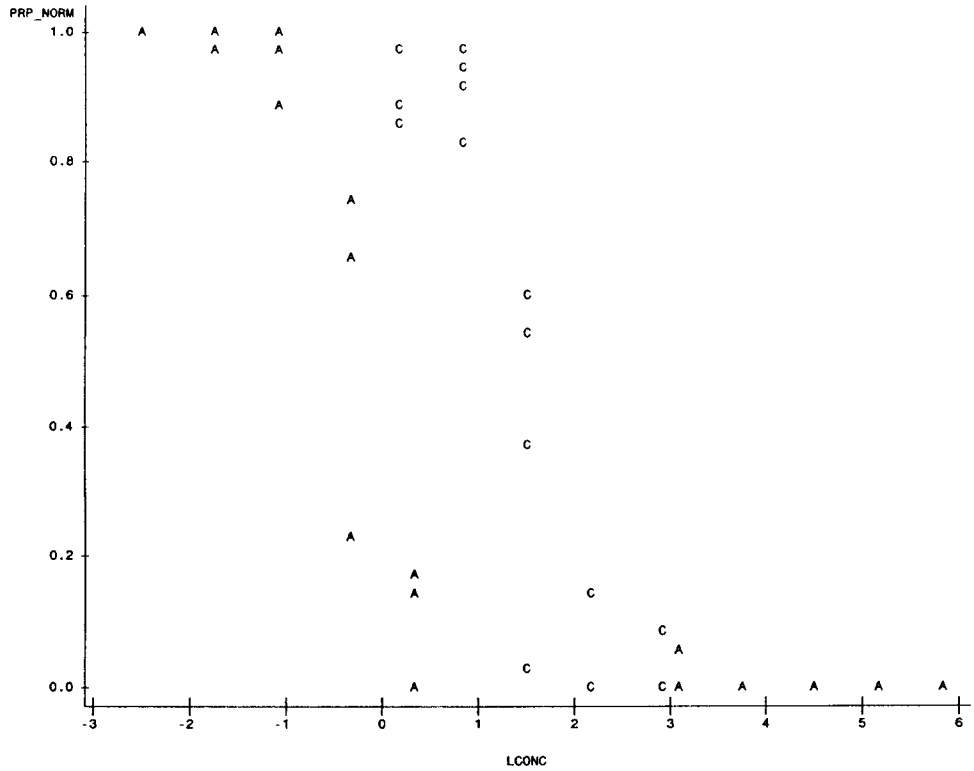
Plot of PRP_NORM*LCONC. Symbol is value of GROUP.



NOTE: 11 obs had missing values. 252 obs hidden.

---------- ANALYTE=LowMWPAH ----------

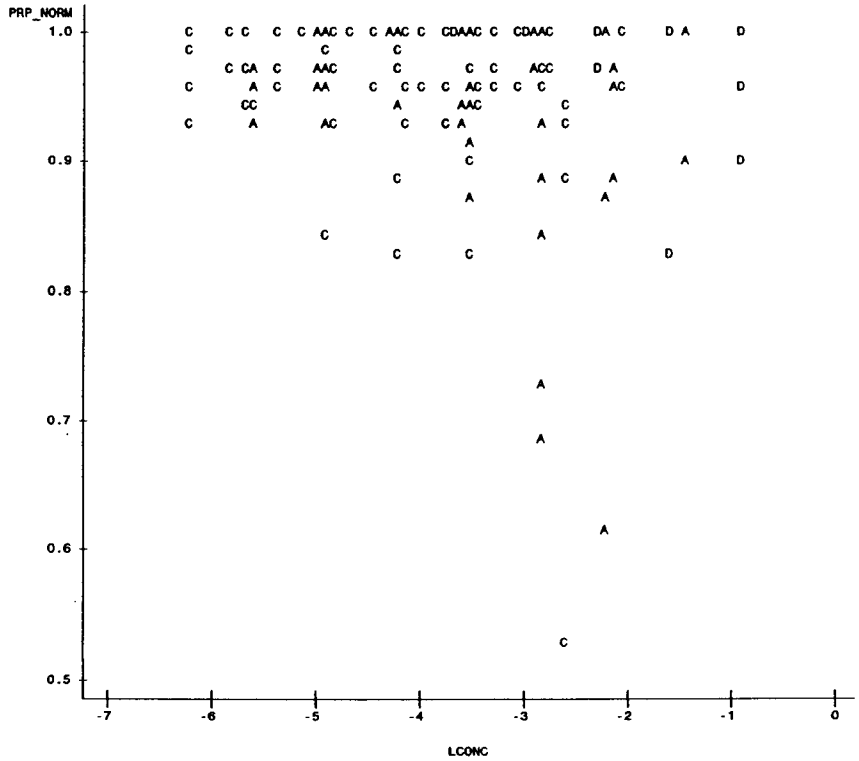
Plot of PRP_NORM*LCONC. Symbol is value of GROUP.



NOTE: 27 obs hidden.

---------- ANALYTE=Mercury ----------

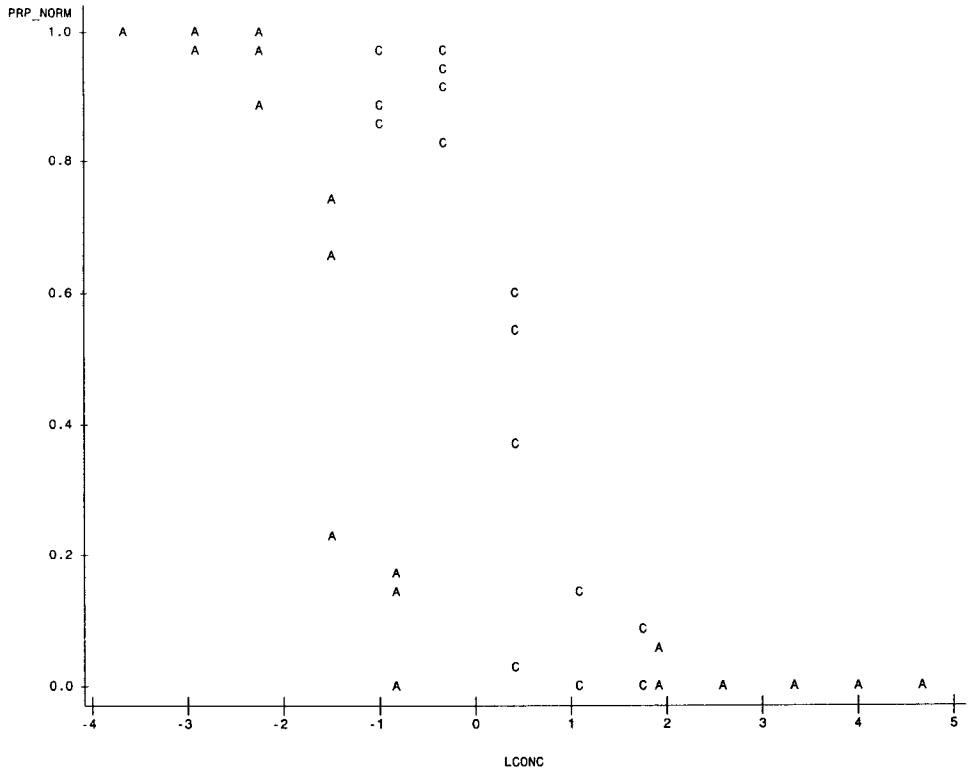
Plot of PRP_NORM*LCONC. Symbol is value of GROUP.



NOTE: 79 obs hidden.

---------- ANALYTE=Naphthal ----------

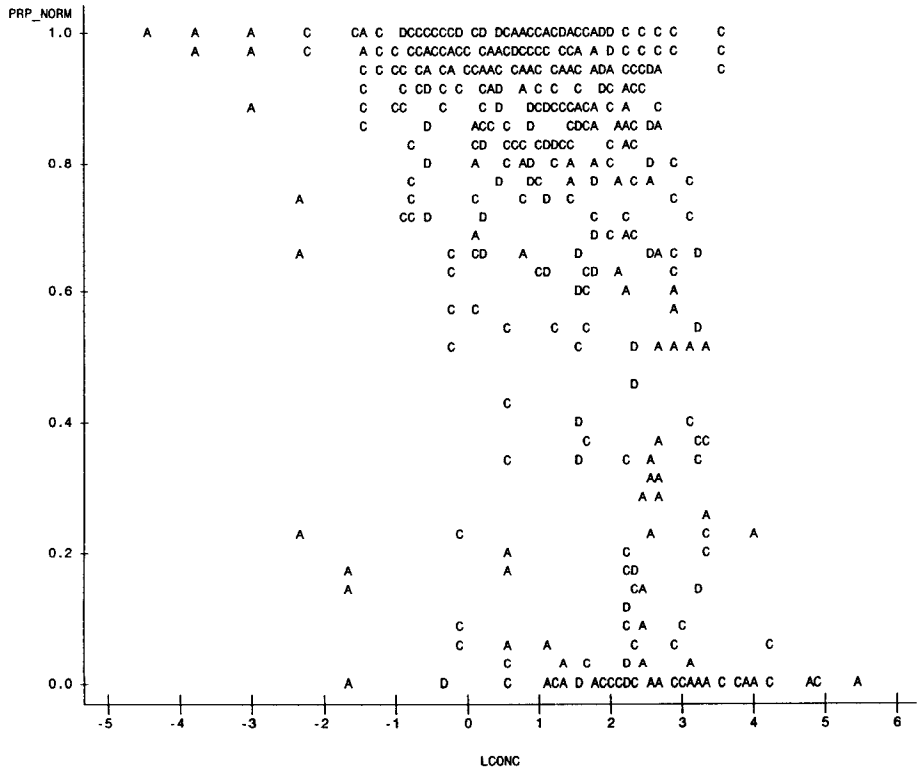
Plot of PRP_NORM*LCONC. Symbol is value of GROUP.



NOTE: 27 obs hidden.

---------- ANALYTE=Nickel ----------

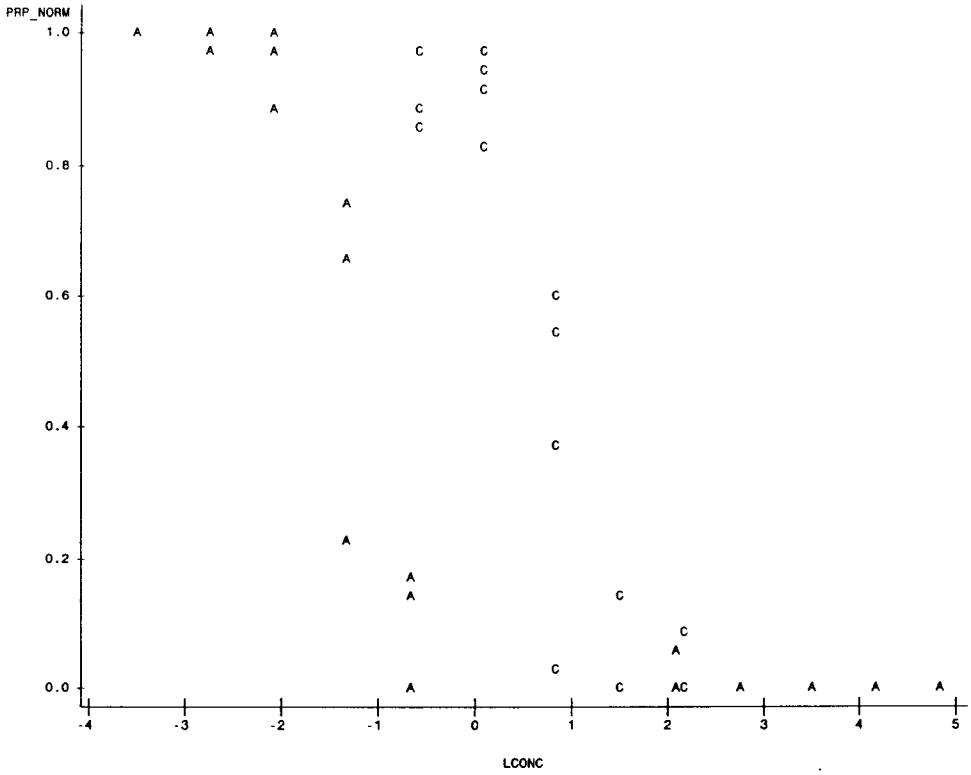
Plot of PRP_NORM*LCONC. Symbol is value of GROUP.



NOTE: 27 obs had missing values. 412 obs hidden.

---------- ANALYTE=Phenanth ----------

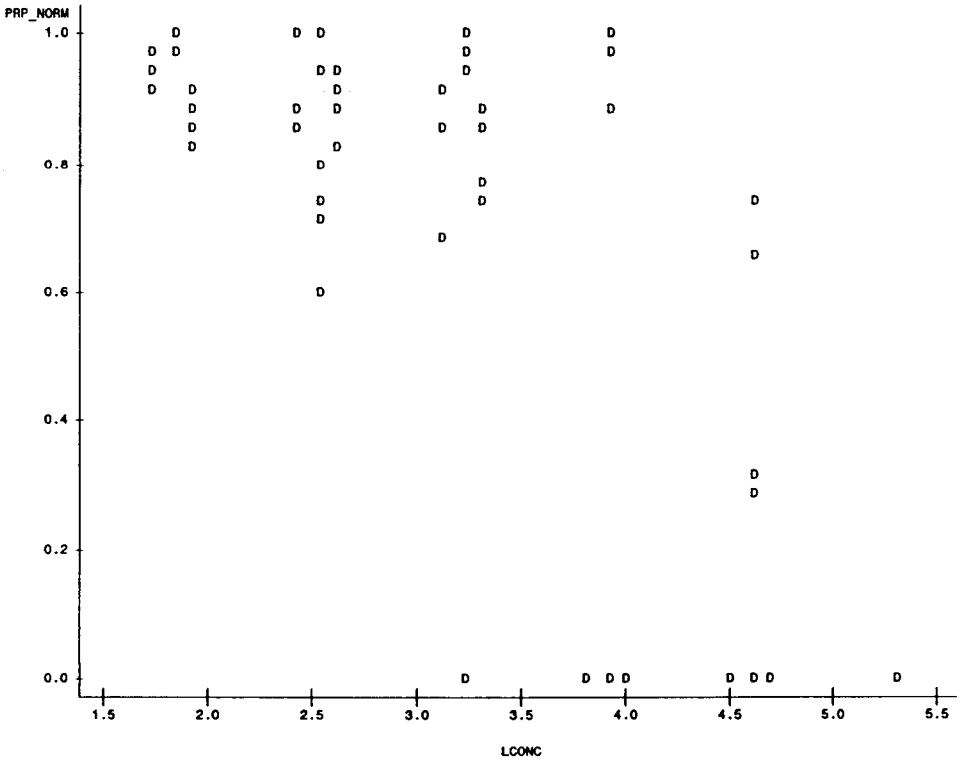
Plot of PRP_NORM*LCONC. Symbol is value of GROUP.



NOTE: 27 obs hidden.

---------- ANALYTE=Phenol ----------

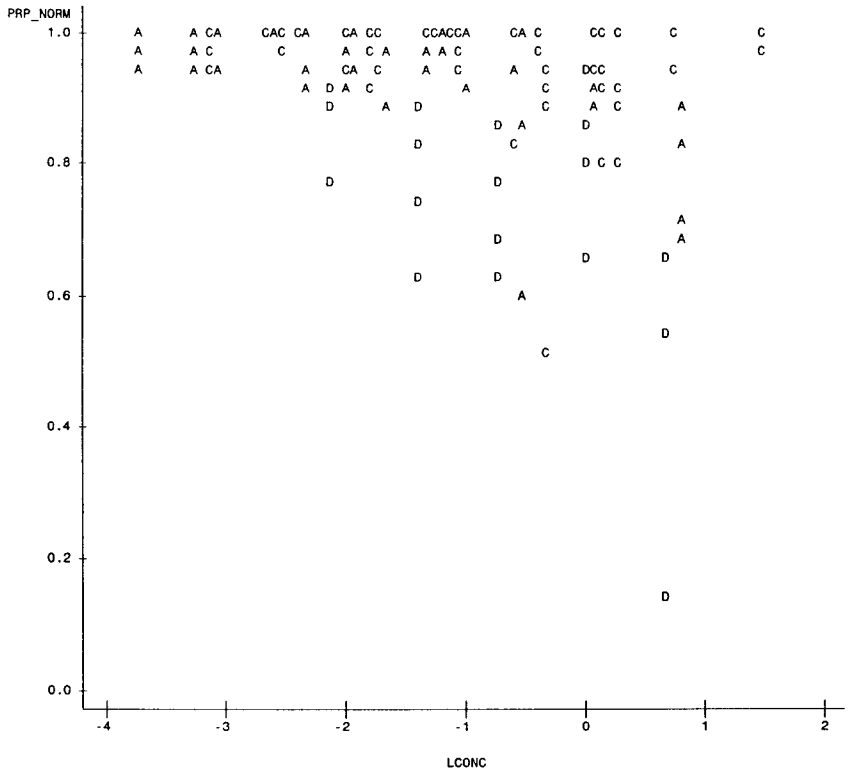
Plot of PRP_NORM*LCONC. Symbol is value of GROUP.



NOTE: 33 obs hidden.

---------- ANALYTE=Selenium ----------

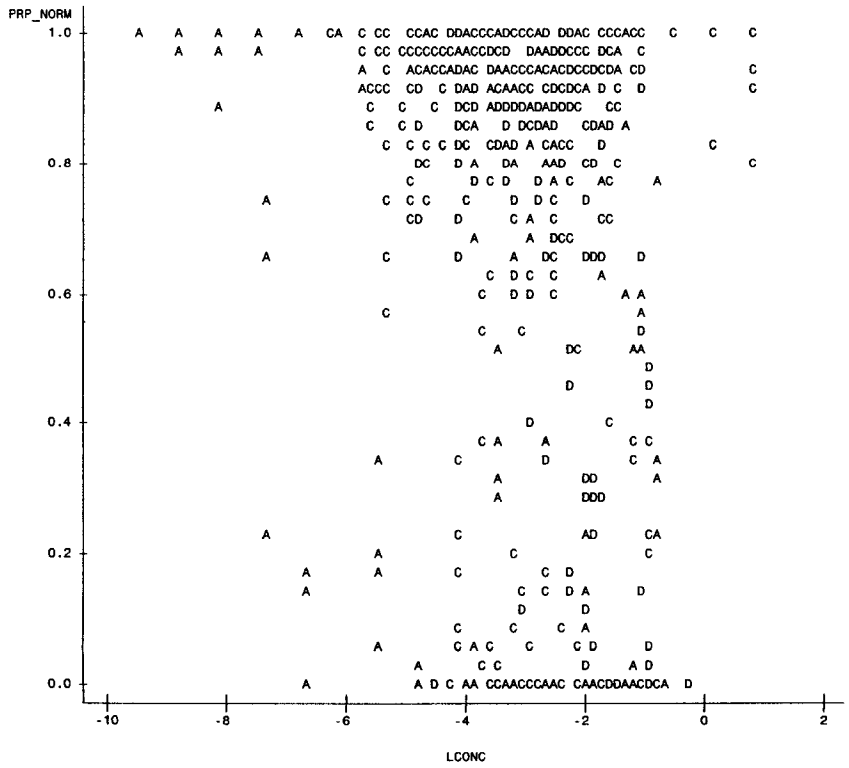
Plot of PRP_NORM*LCONC. Symbol is value of GROUP.



NOTE: 66 obs hidden.

---------- ANALYTE=Silver ----------

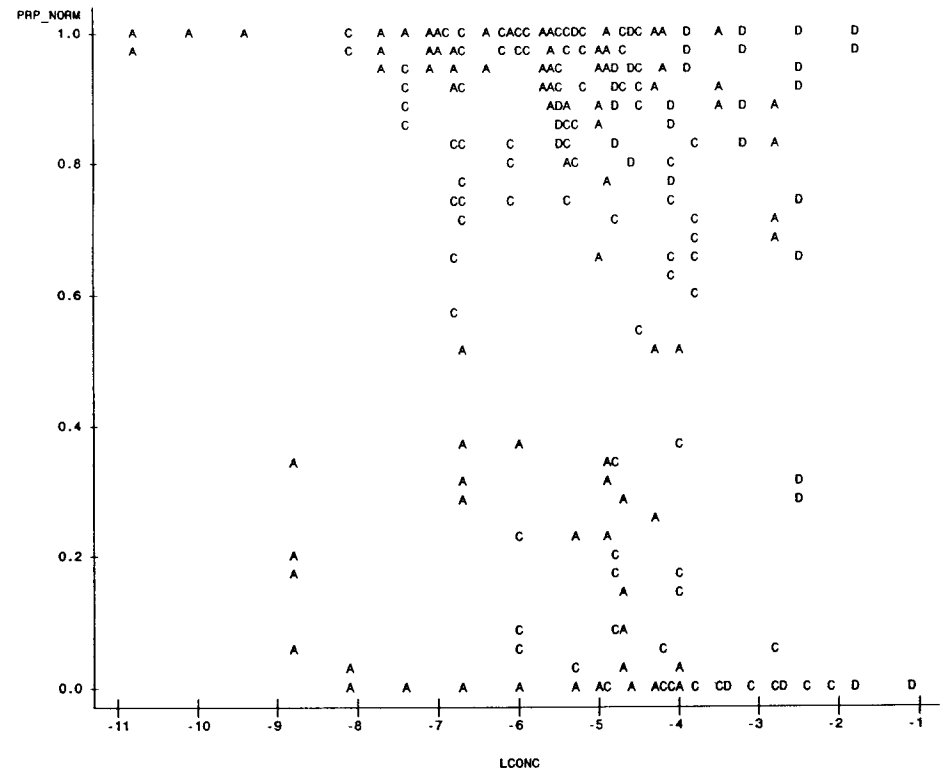
Plot of PRP_NORM*LCONC. Symbol is value of GROUP.



NOTE: 27 obs had missing values. 500 obs hidden.

---------- ANALYTE=TDDT ----------

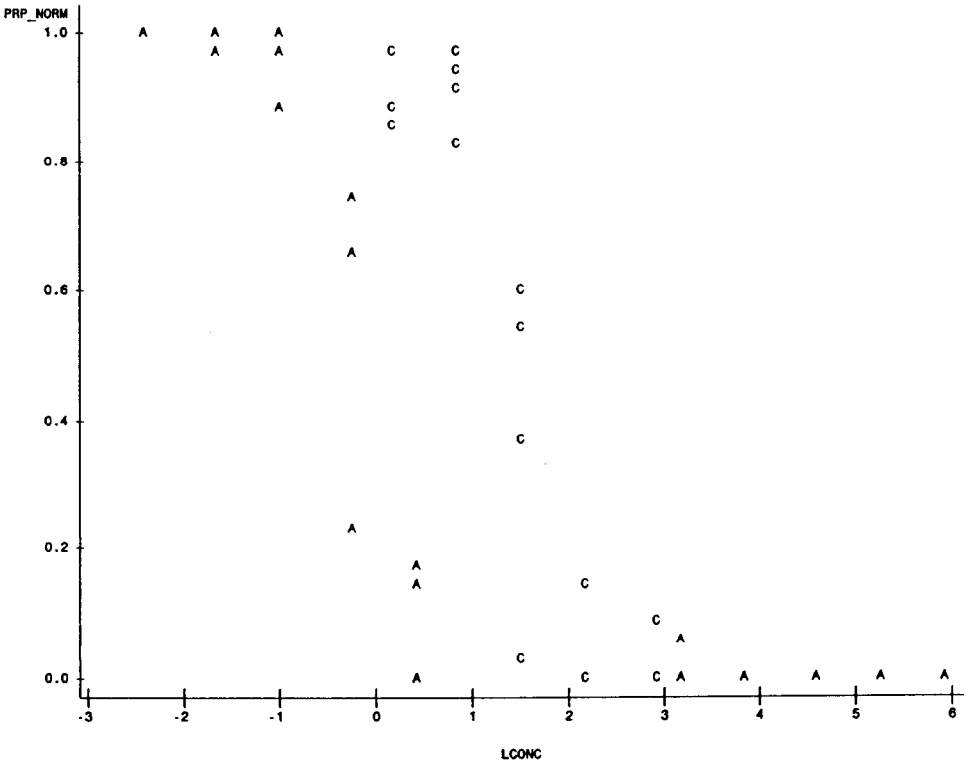
Plot of PRP_NORM*LCONC. Symbol is value of GROUP.



NOTE: 27 obs had missing values. 199 obs hidden.

---------- ANALYTE=TPAHs ----------

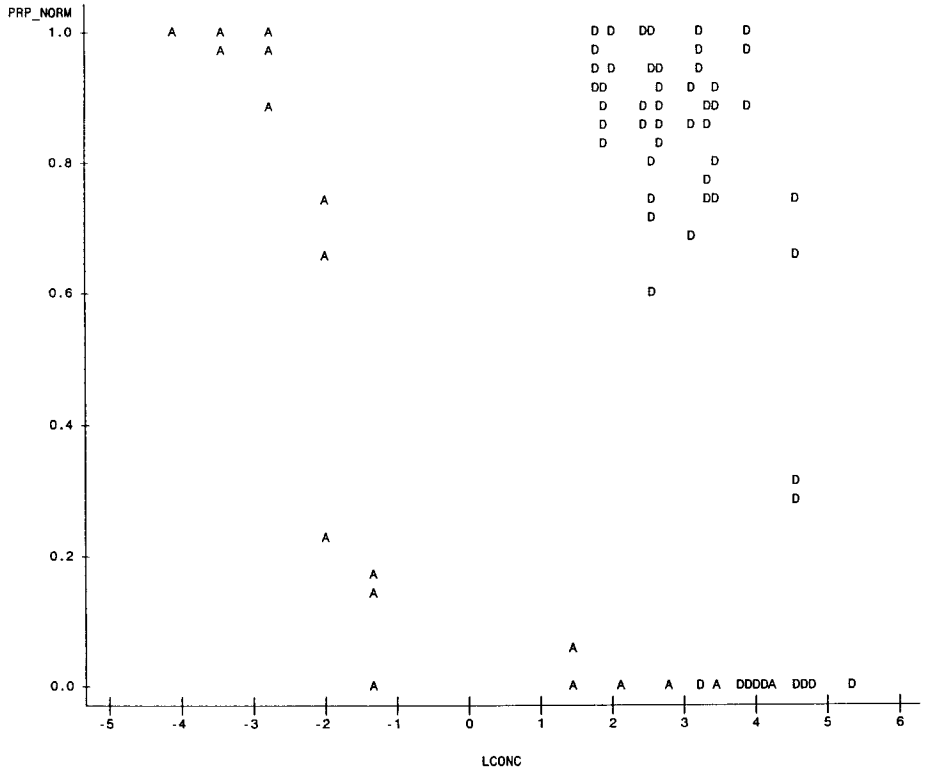
Plot of PRP_NORM*LCONC. Symbol is value of GROUP.



NOTE: 27 obs hidden.

---------- ANALYTE=TPhenol ----------

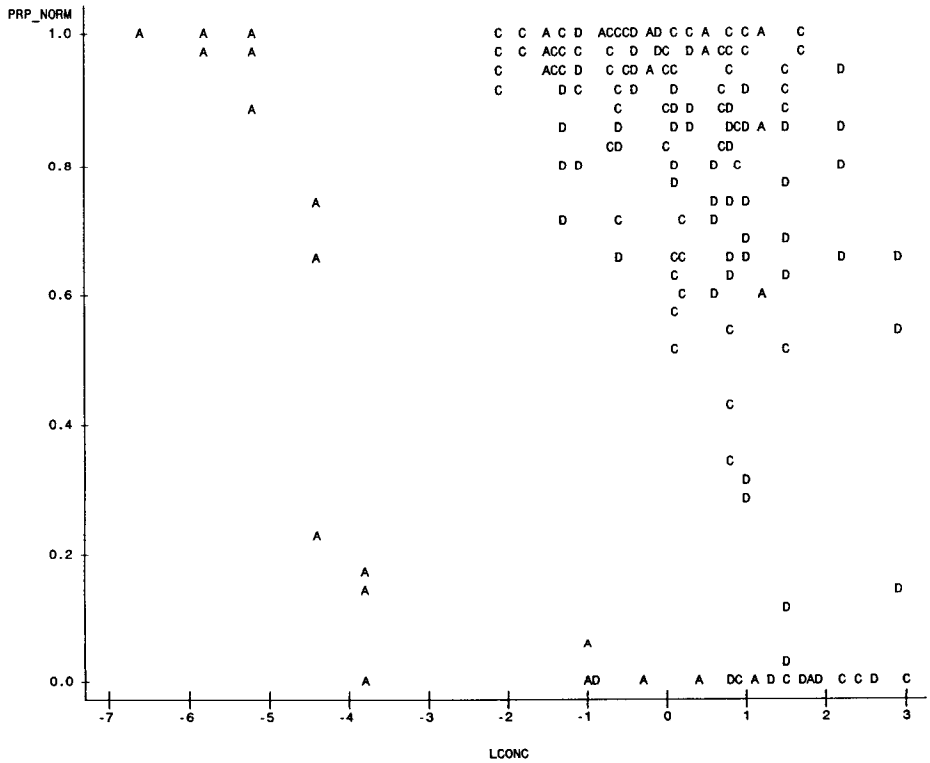
Plot of PRP_NORM*LCONC. Symbol is value of GROUP.



NOTE: 68 obs hidden.

---------- ANALYTE=Vanadium ----------

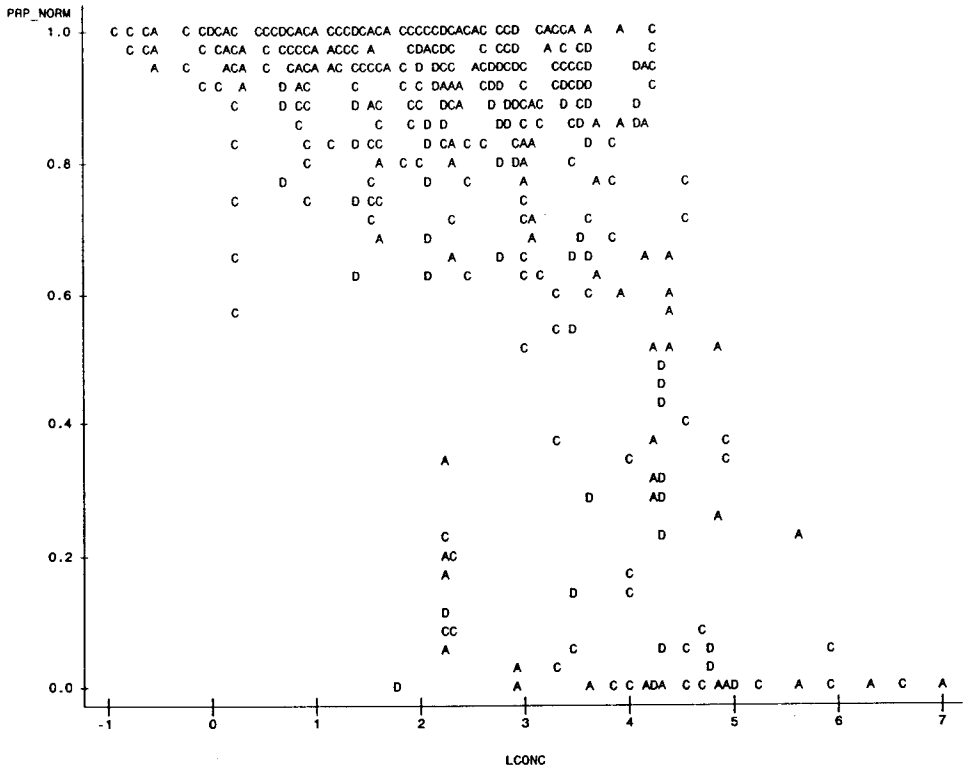
Plot of PRP_NORM*LCONC. Symbol is value of GROUP.



NOTE: 16 obs had missing values. 133 obs hidden.

---------- ANALYTE=Zinc ----------

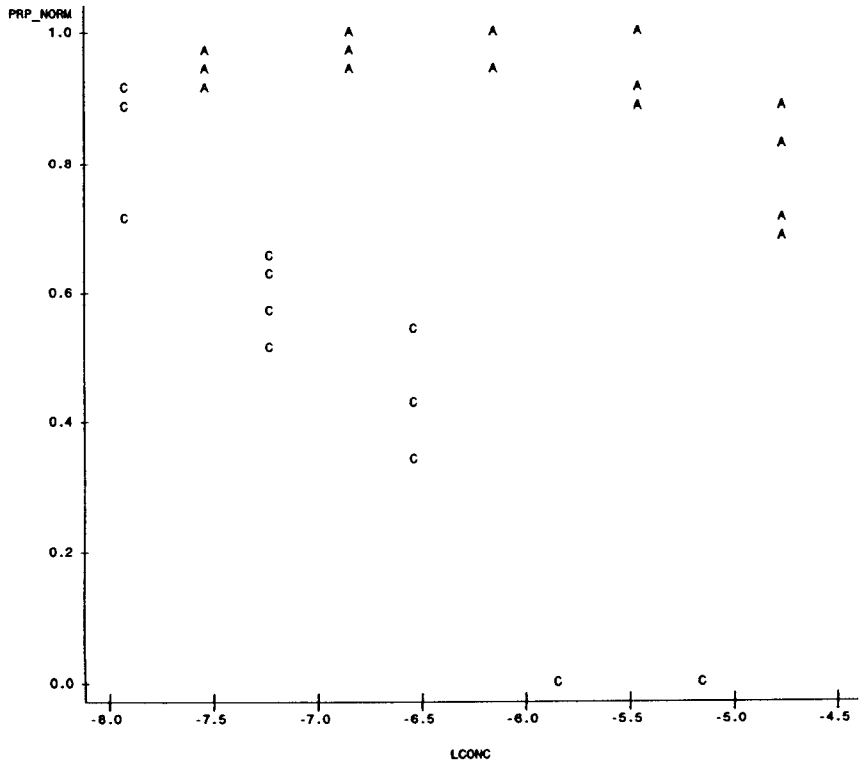
Plot of PRP_NORM*LCONC. Symbol is value of GROUP.



NOTE: 27 obs had missing values. 321 obs hidden.

---------- ANALYTE=endsulfI ----------

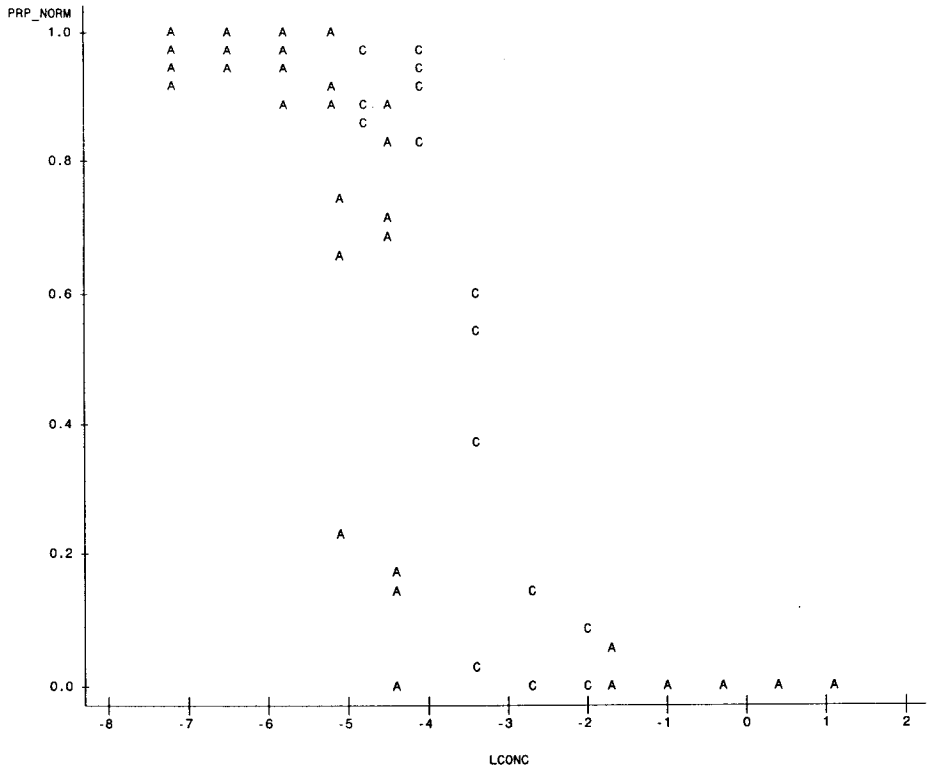
Plot of PRP_NORM*LCONC. Symbol is value of GROUP.



NOTE: 13 obs hidden.

---------- ANALYTE=endsulfs ----------

Plot of PRP_NORM*LCONC. Symbol is value of GROUP.



NOTE: 35 obs hidden.

---------- NAME OF FORMER VARIABLE=ACE ----------

Model: MODEL1
Dependent Variable: H2O_CONC

Analysis of Variance

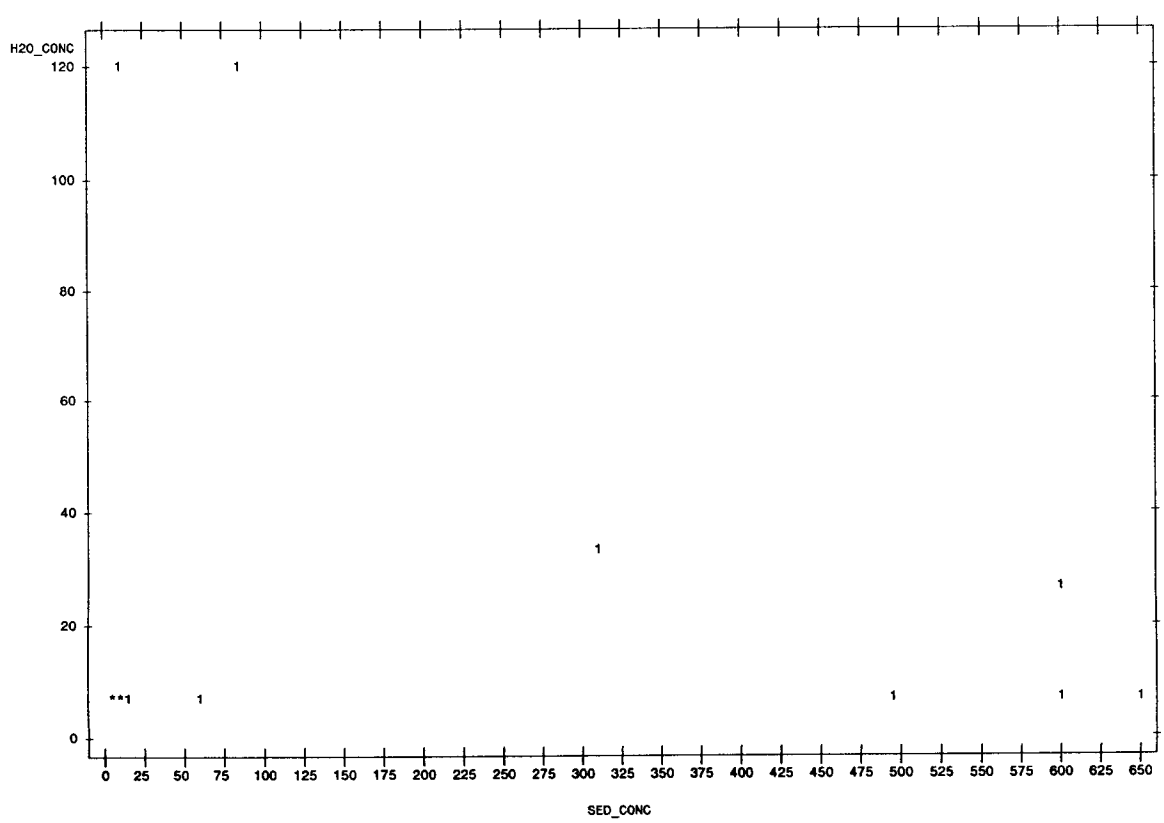
Source	DF	Sum of Squares	Mean Square	F Value	Prob>F
Model	1	125.97295	125.97295	0.210	0.6493
Error	43	25835.22705	600.81923		
C Total	44	25961.20000			

Root MSE	24.51161	R-square	0.0049
Dep Mean	11.20000	Adj R-sq	-0.0183
C.V.	218.85370		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	T for H0: Parameter=0	Prob > |T|
INTERCEP	1	10.525159	3.93999807	2.671	0.0106
SED_CONC	1	0.009897	0.02161458	0.458	0.6493

---------- NAME OF FORMER VARIABLE=ACE ----------



---------- NAME OF FORMER VARIABLE=ACENAPHY ----------

Model: MODEL1
Dependent Variable: H2O_CONC

Analysis of Variance

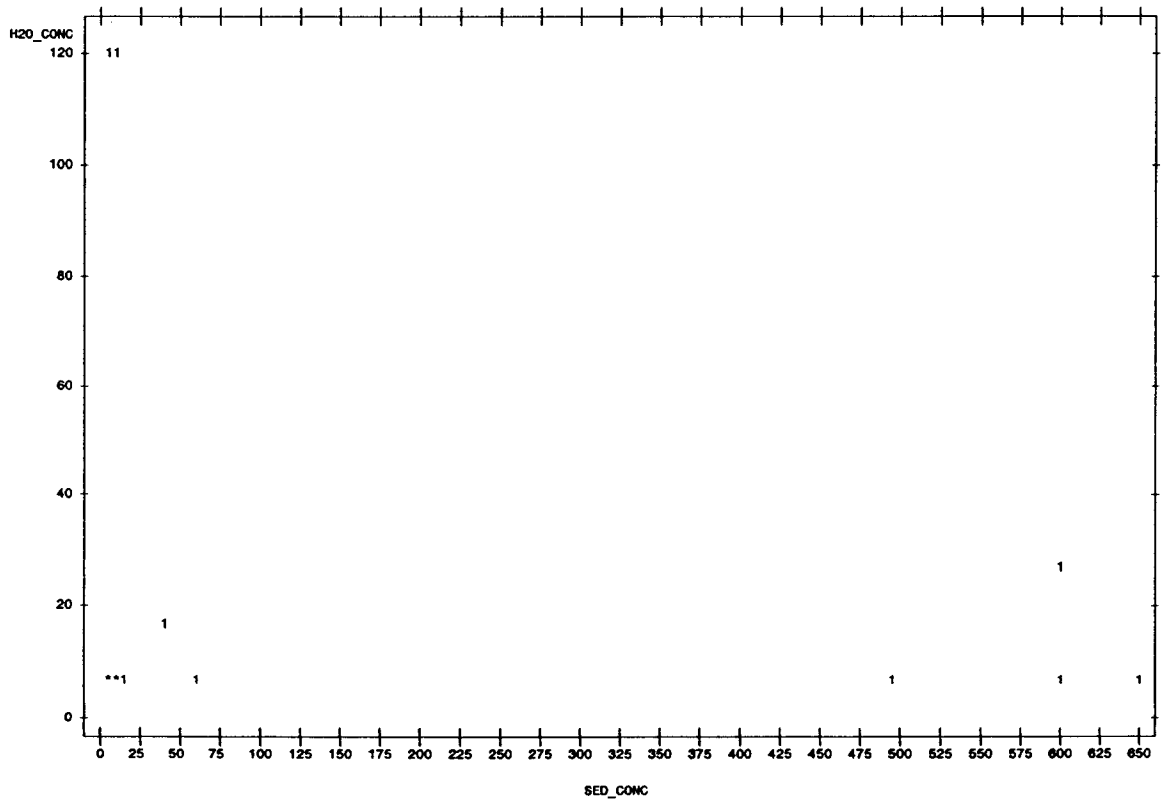
Source	DF	Sum of Squares	Mean Square	F Value	Prob>F
Model	1	1.80387	1.80387	0.003	0.9562
Error	43	25445.97390	591.76683		
C Total	44	25447.77778			

Root MSE	24.32626	R-square	0.0001
Dep Mean	10.77778	Adj R-sq	-0.0232
C.V.	225.70755		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	T for H0: Parameter=0	Prob > |T|
INTERCEP	1	10.850828	3.86017664	2.811	0.0074
SED_CONC	1	-0.001211	0.02192617	-0.055	0.9562

---------- NAME OF FORMER VARIABLE=ACENAPHY ----------



---------- NAME OF FORMER VARIABLE=AG ----------

Model: MODEL1
Dependent Variable: H2O_CONC

Analysis of Variance

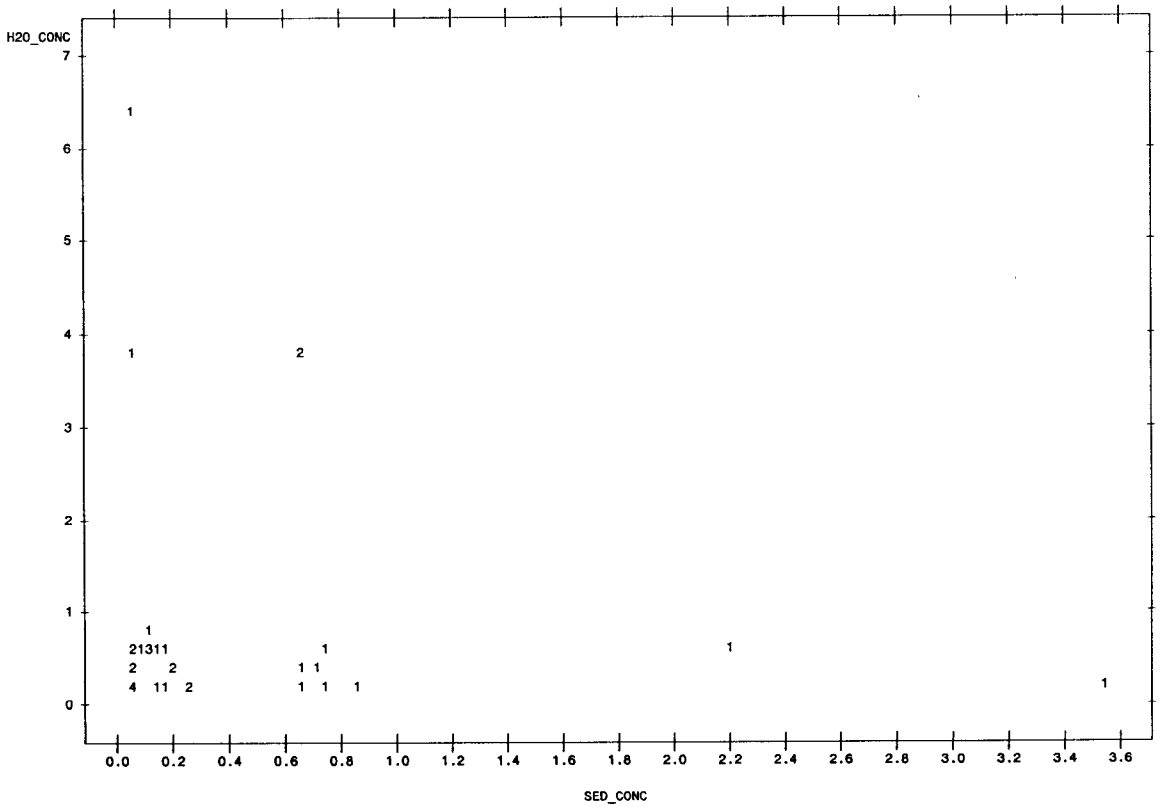
Source	DF	Sum of Squares	Mean Square	F Value	Prob>F
Model	1	0.43359	0.43359	0.209	0.6509
Error	31	64.36768	2.07638		
C Total	32	64.80127			

Root MSE	1.44096	R-square	0.0067
Dep Mean	0.85091	Adj R-sq	-0.0254
C.V.	169.34404		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	T for H0: Parameter=0	Prob > |T|
INTERCEP	1	0.920794	0.29378377	3.134	0.0038
SED_CONC	1	-0.164946	0.36095678	-0.457	0.6509

---------- NAME OF FORMER VARIABLE=AG ----------



---------- NAME OF FORMER VARIABLE=ALDRIN ----------

Model: MODEL1
Dependent Variable: H2O_CONC

Analysis of Variance

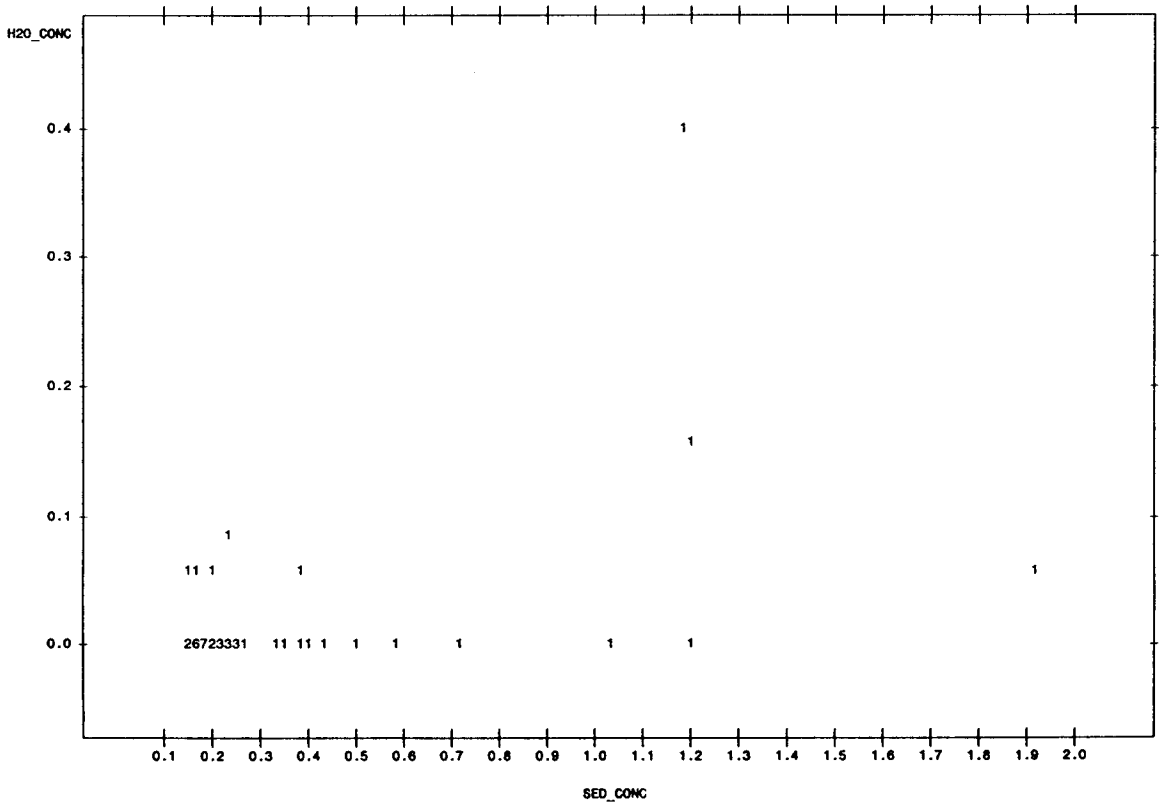
Source	DF	Sum of Squares	Mean Square	F Value	Prob>F
Model	1	0.03609	0.03609	10.871	0.0020
Error	43	0.14274	0.00332		
C Total	44	0.17883			

Root MSE	0.05762	R-square	0.2018
Dep Mean	0.02409	Adj R-sq	0.1832
C.V.	239.18233		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	T for H0: Parameter=0	Prob > |T|
INTERCEP	1	-0.004539	0.01221296	-0.372	0.7120
SED_CONC	1	0.077287	0.02344050	3.297	0.0020

---------- NAME OF FORMER VARIABLE=ALDRIN ----------



---------- NAME OF FORMER VARIABLE=ANTHRAC ----------

Model: MODEL1
Dependent Variable: H2O_CONC

Analysis of Variance

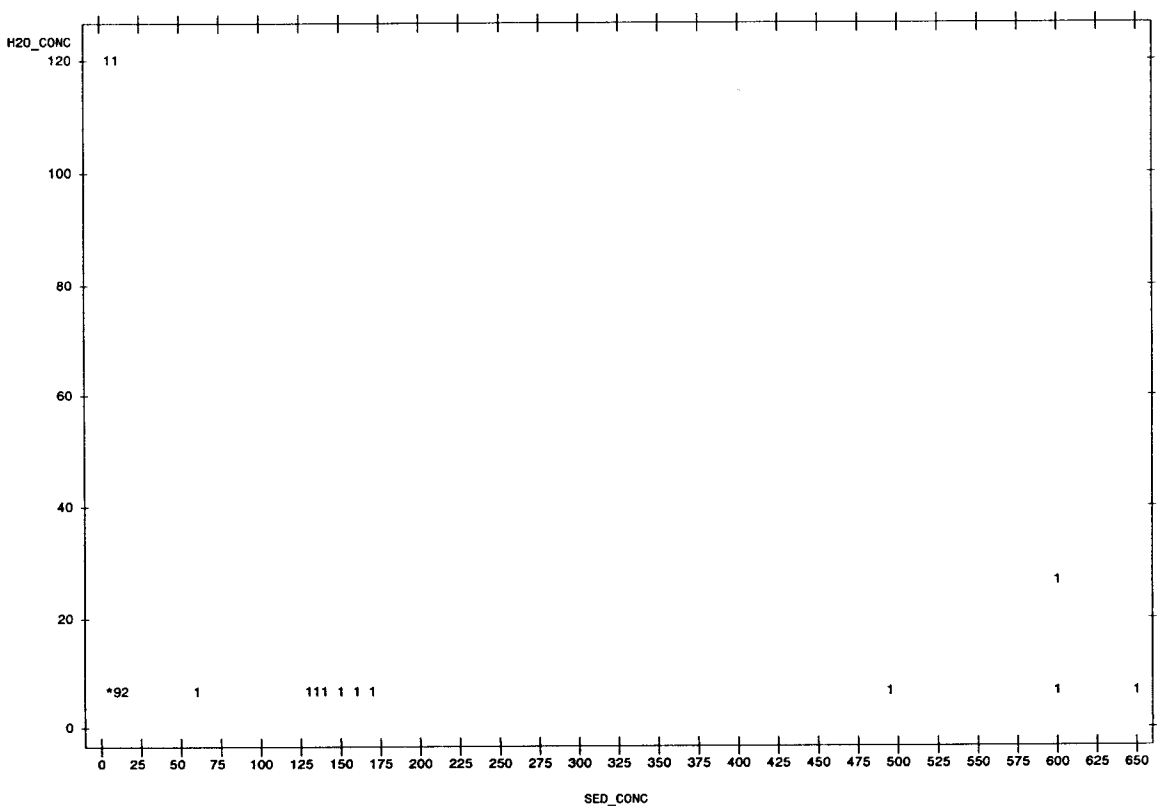
Source	DF	Sum of Squares	Mean Square	F Value	Prob>F
Model	1	12.72882	12.72882	0.024	0.8778
Error	48	25587.27118	533.06815		
C Total	49	25600.00000			

Root MSE	23.08827	R-square	0.0005
Dep Mean	10.00000	Adj R-sq	-0.0203
C.V.	230.88269		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	T for H0: Parameter=0	Prob > |T|
INTERCEP	1	10.225380	3.57612105	2.859	0.0063
SED_CONC	1	-0.003165	0.02047936	-0.155	0.8778

---------- NAME OF FORMER VARIABLE=ANTHRAC ----------



---------- NAME OF FORMER VARIABLE=AS_D ----------

Model: MODEL1
Dependent Variable: H20_CONC

Analysis of Variance

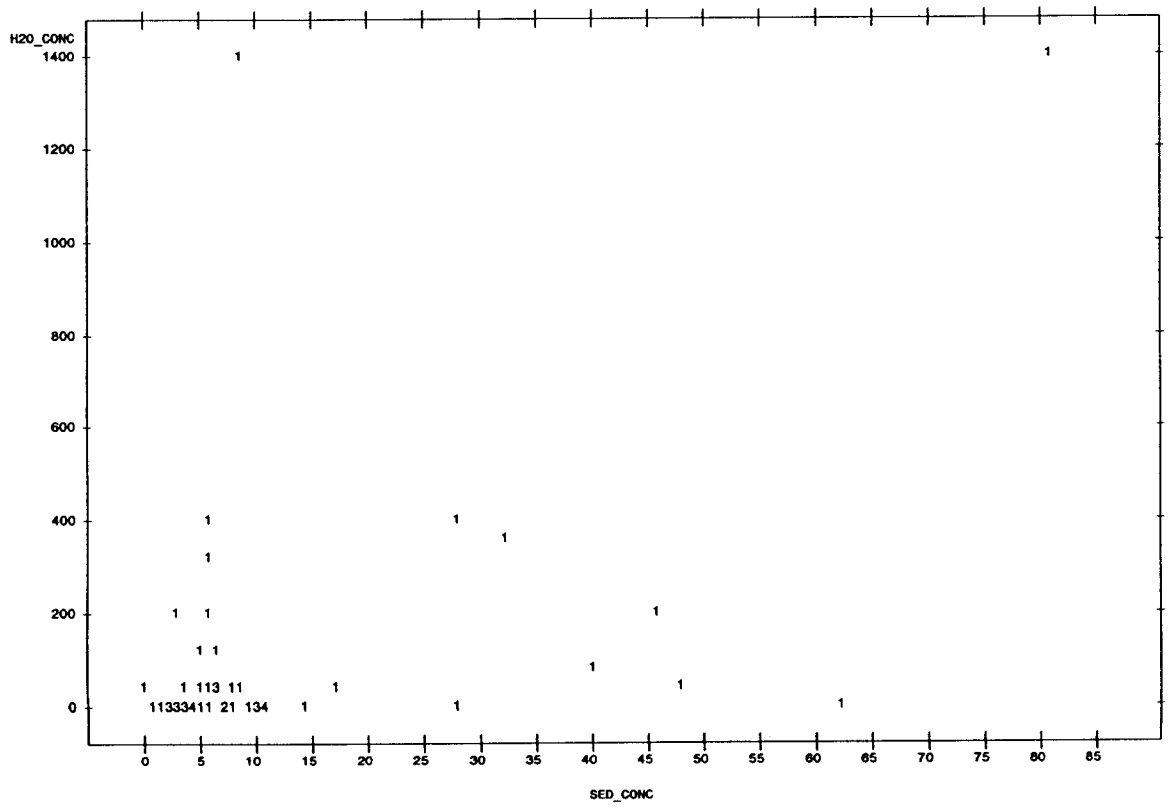
Source	DF	Sum of Squares	Mean Square	F Value	Prob>F
Model	1	816723.04436	816723.04436	13.267	0.0006
Error	52	3201240.6766	61562.320703		
C Total	53	4017963.7209			

Root MSE	248.11755	R-square	0.2033
Dep Mean	105.21296	Adj R-sq	0.1879
C.V.	235.82413		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	T for H0: Parameter=0	Prob > |T|
INTERCEP	1	12.280356	42.32063459	0.290	0.7728
SED_CONC	1	7.758902	2.13019983	3.642	0.0006

---------- NAME OF FORMER VARIABLE=AS_D ----------



---------- NAME OF FORMER VARIABLE=BAA ----------

Model: MODEL1
Dependent Variable: H2O_CONC

Analysis of Variance

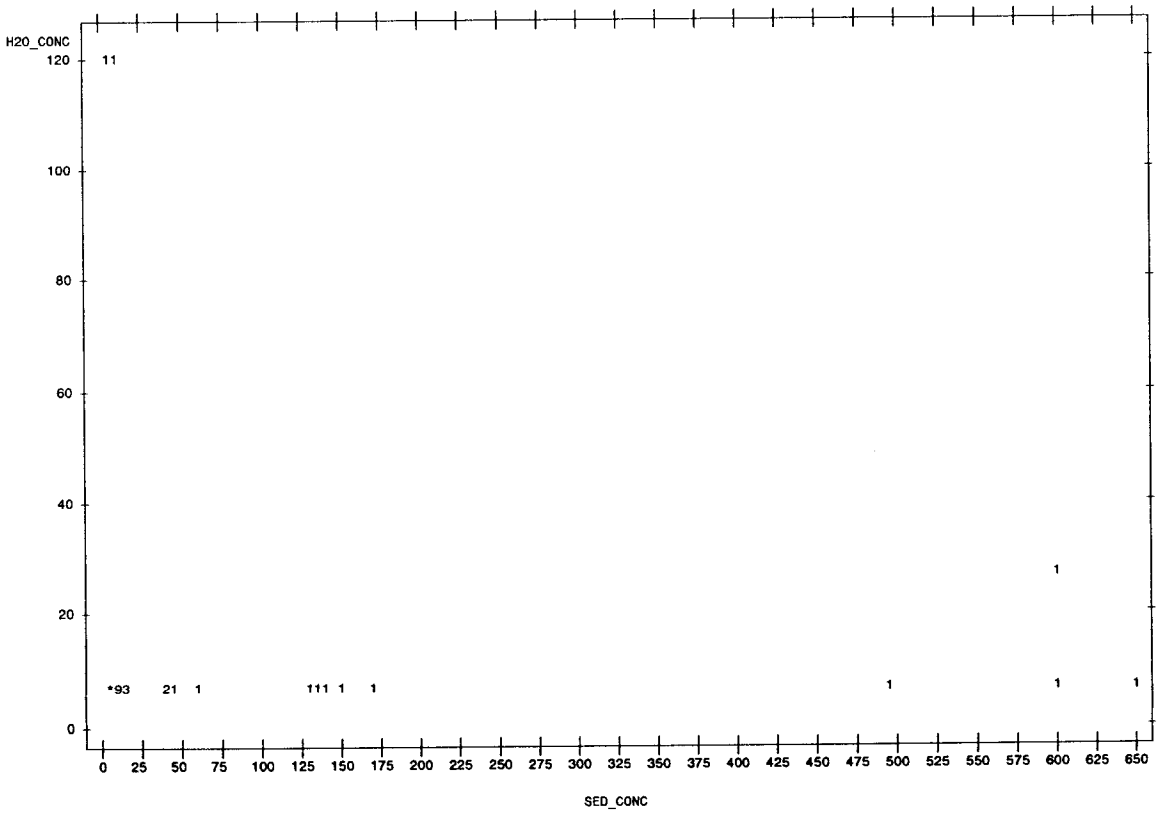
Source	DF	Sum of Squares	Mean Square	F Value	Prob>F
Model	1	11.73892	11.73892	0.022	0.8827
Error	48	25588.26108	533.08877		
C Total	49	25600.00000			

Root MSE	23.08872	R-square	0.0005
Dep Mean	10.00000	Adj R-sq	-0.0204
C.V.	230.88715		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	T for H0: Parameter=0	Prob > |T|
INTERCEP	1	10.215518	3.57366399	2.859	0.0063
SED_CONC	1	-0.003058	0.02060431	-0.148	0.8827

---------- NAME OF FORMER VARIABLE=BAA ----------



---------- NAME OF FORMER VARIABLE=BAP ----------

Model: MODEL1
Dependent Variable: H2O_CONC

Analysis of Variance

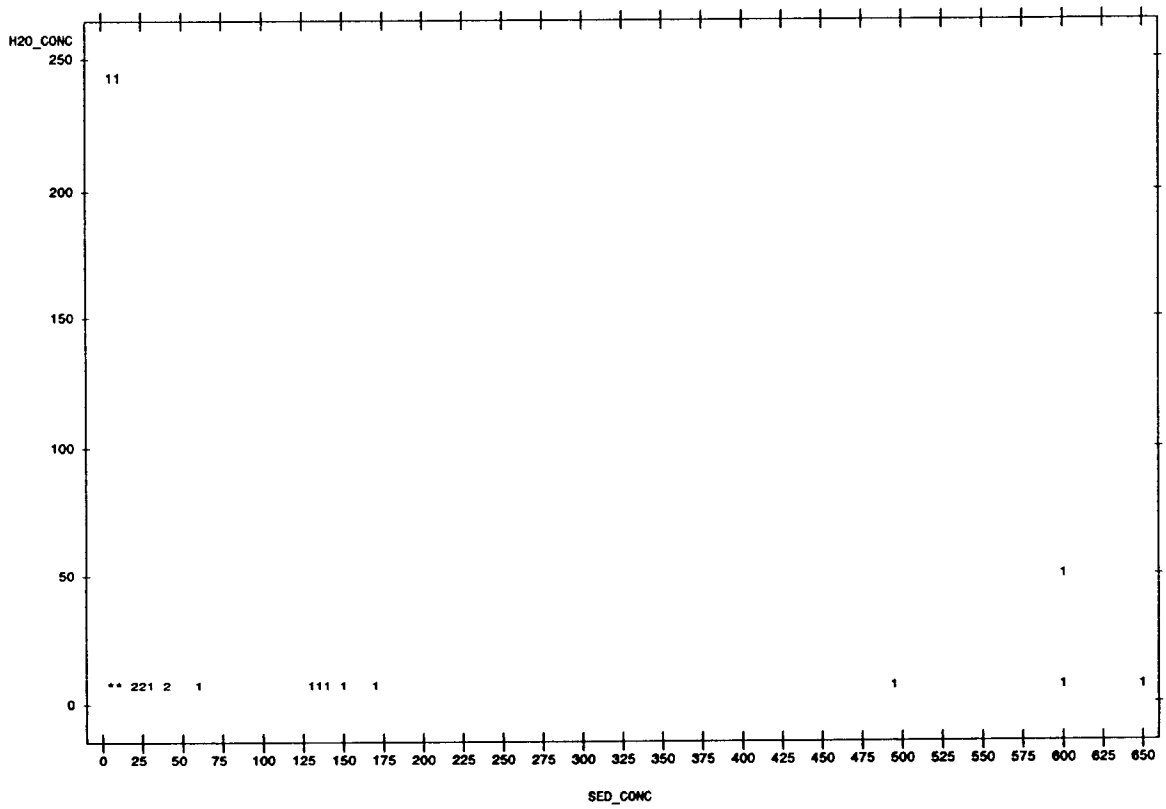
Source	DF	Sum of Squares	Mean Square	F Value	Prob>F
Model	1	27.89028	27.89028	0.012	0.9115
Error	48	107142.60972	2232.13770		
C Total	49	107170.50000			

Root MSE	47.24550	R-square	0.0003
Dep Mean	15.30000	Adj R-sq	-0.0206
C.V.	308.79415		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	T for H0: Parameter=0	Prob > |T|
INTERCEP	1	15.634956	7.32270981	2.135	0.0379
SED_CONC	1	-0.004719	0.04221963	-0.112	0.9115

---------- NAME OF FORMER VARIABLE=BAP ----------



---------- NAME OF FORMER VARIABLE=BA_D ----------

Model: MODEL1
Dependent Variable: H2O_CONC

Analysis of Variance

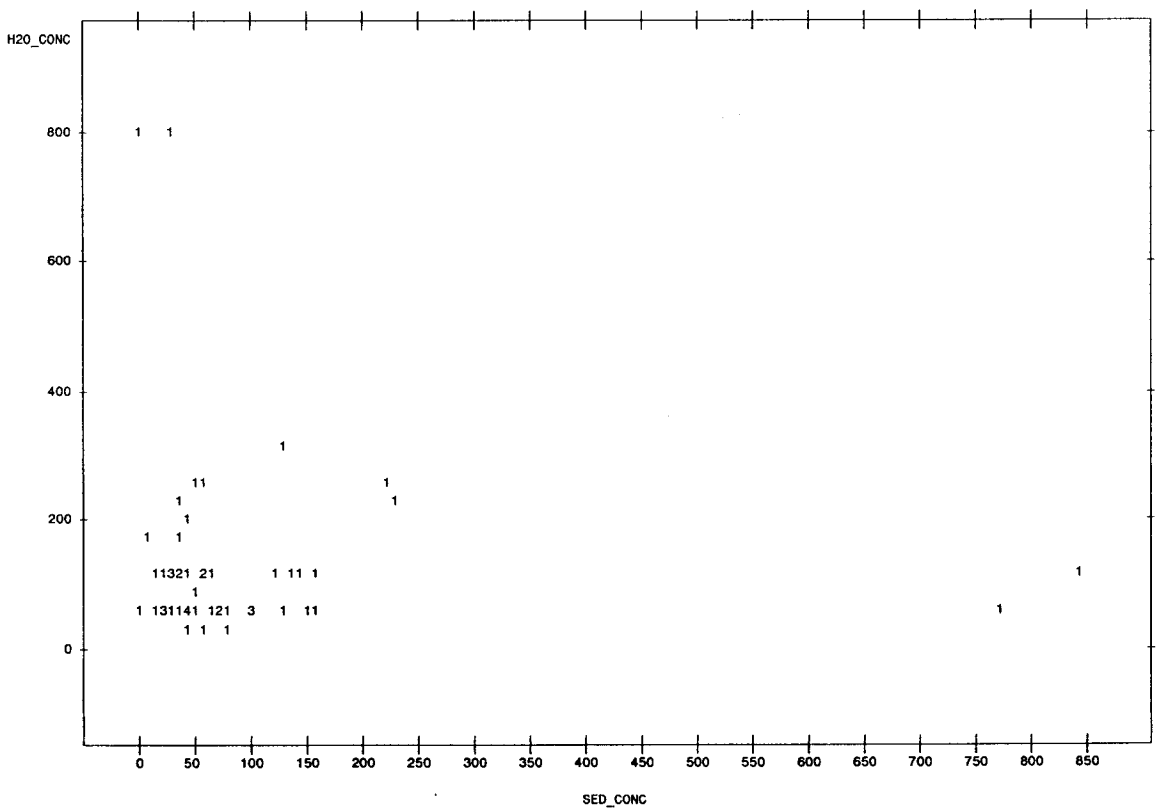
Source	DF	Sum of Squares	Mean Square	F Value	Prob>F
Model	1	7425.50271	7425.50271	0.331	0.5678
Error	52	1167878.8121	22459.207925		
C Total	53	1175304.3148			

Root MSE	149.86396	R-square	0.0063
Dep Mean	128.35185	Adj R-sq	-0.0128
C.V.	116.76027		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	T for H0: Parameter=0	Prob > |T|
INTERCEP	1	135.697348	24.06465800	5.639	0.0001
SED_CONC	1	-0.078837	0.13710821	-0.575	0.5678

---------- NAME OF FORMER VARIABLE=BA_D ----------



---------- NAME OF FORMER VARIABLE=BBF ----------

Model: MODEL1
Dependent Variable: H2O_CONC

Analysis of Variance

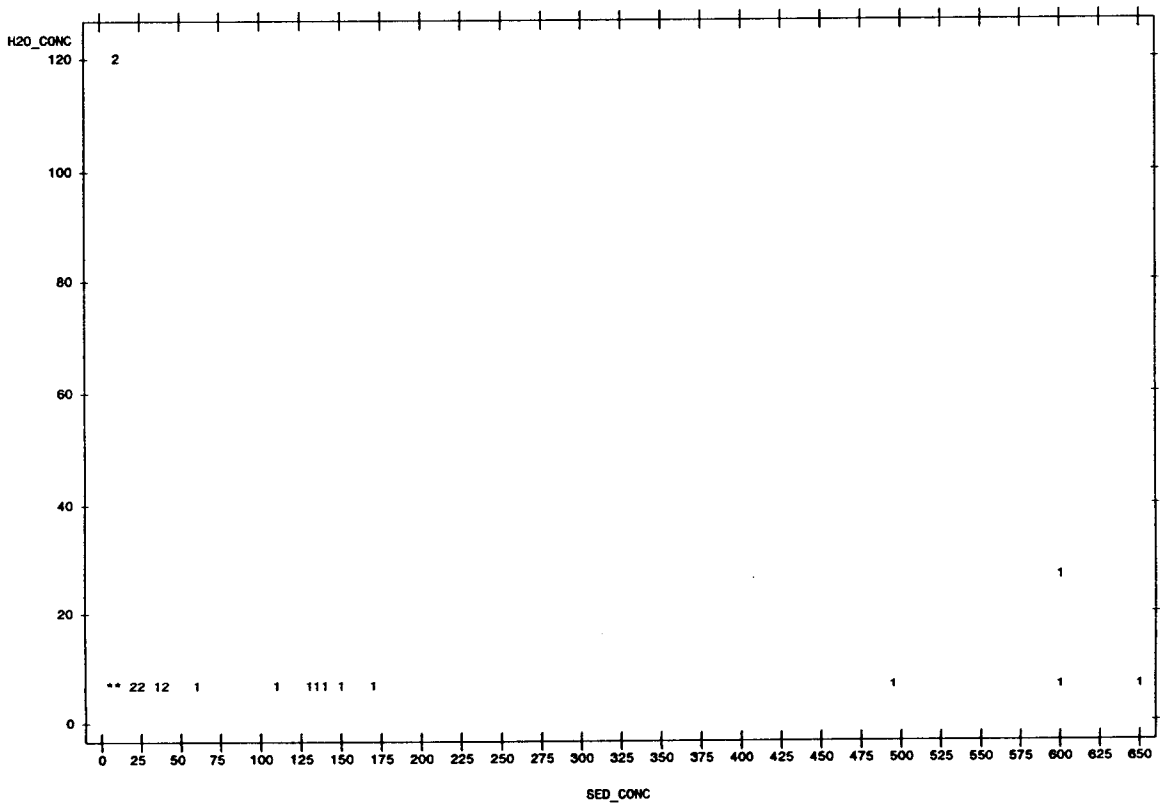
Source	DF	Sum of Squares	Mean Square	F Value	Prob>F
Model	1	12.16893	12.16893	0.023	0.8805
Error	48	25587.83107	533.07981		
C Total	49	25600.00000			

Root MSE	23.08852	R-square	0.0005
Dep Mean	10.00000	Adj R-sq	-0.0203
C.V.	230.88521		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	T for H0: Parameter=0	Prob > |T|
INTERCEP	1	10.228708	3.59902813	2.842	0.0066
SED_CONC	1	-0.003122	0.02066548	-0.151	0.8805

---------- NAME OF FORMER VARIABLE=BBF ----------



---------- NAME OF FORMER VARIABLE=BEP ----------

Model: MODEL1
Dependent Variable: H2O_CONC

Analysis of Variance

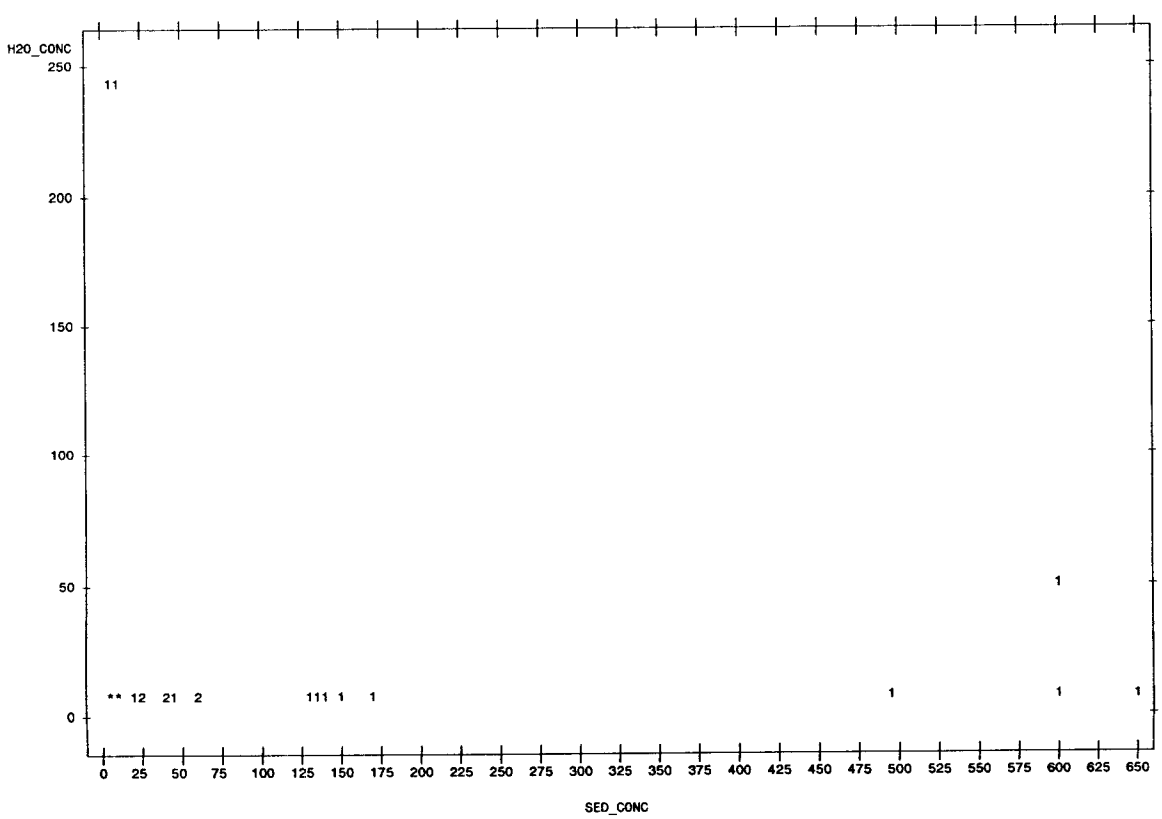
Source	DF	Sum of Squares	Mean Square	F Value	Prob>F
Model	1	33.68858	33.68858	0.015	0.9027
Error	48	107136.81142	2232.01690		
C Total	49	107170.50000			

Root MSE	47.24423	R-square	0.0003
Dep Mean	15.30000	Adj R-sq	-0.0205
C.V.	308.78579		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	T for H0: Parameter=0	Prob > |T|
INTERCEP	1	15.674514	7.34392404	2.134	0.0379
SED_CONC	1	-0.005195	0.04228518	-0.123	0.9027

---------- NAME OF FORMER VARIABLE=BEP ----------



---------- NAME OF FORMER VARIABLE=BE_D ----------

Model: MODEL1
Dependent Variable: H2O_CONC

Analysis of Variance

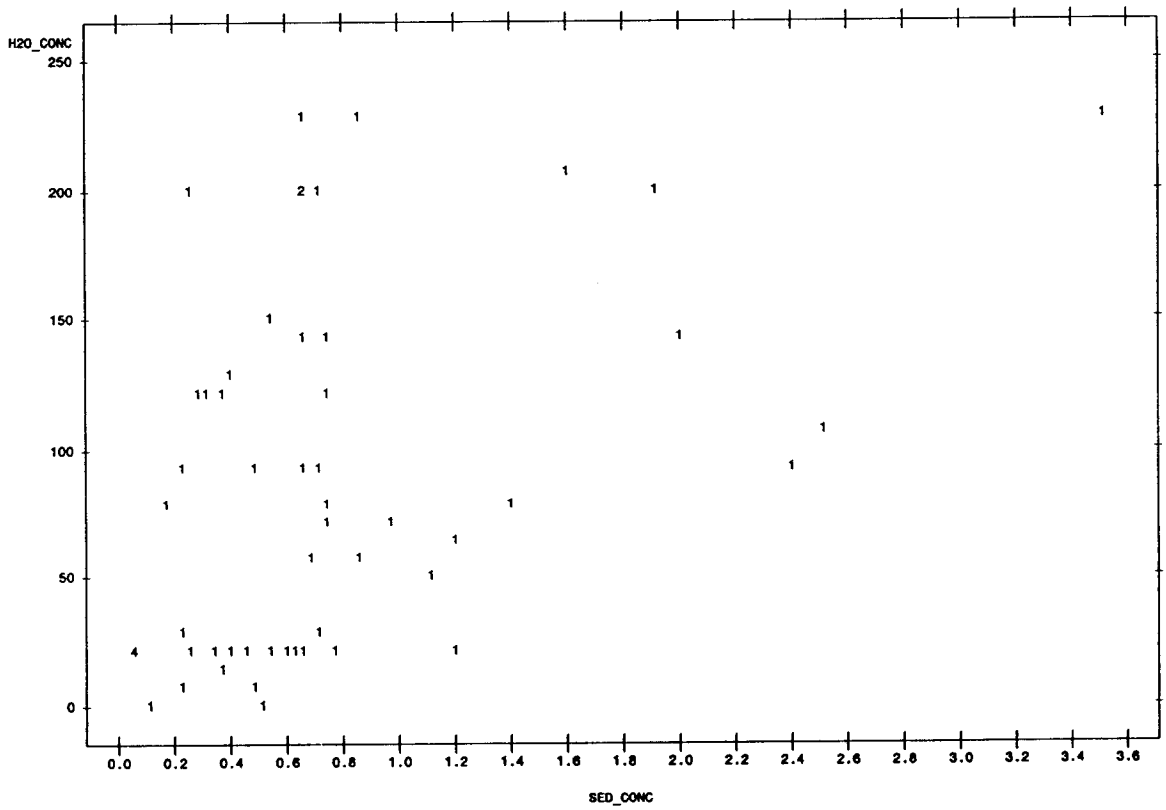
Source	DF	Sum of Squares	Mean Square	F Value	Prob>F
Model	1	46189.86019	46189.86019	10.902	0.0017
Error	52	220323.63185	4236.99292		
C Total	53	266513.49204			

Root MSE	65.09219	R-square	0.1733
Dep Mean	85.45741	Adj R-sq	0.1574
C.V.	76.16916		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	T for H0: Parameter=0	Prob > |T|
INTERCEP	1	52.425268	13.36231290	3.923	0.0003
SED_CONC	1	44.257767	13.40432795	3.302	0.0017

---------- NAME OF FORMER VARIABLE=BE_D ----------



---------- NAME OF FORMER VARIABLE=BGHIP ----------

Model: MODEL1
Dependent Variable: H2O_CONC

Analysis of Variance

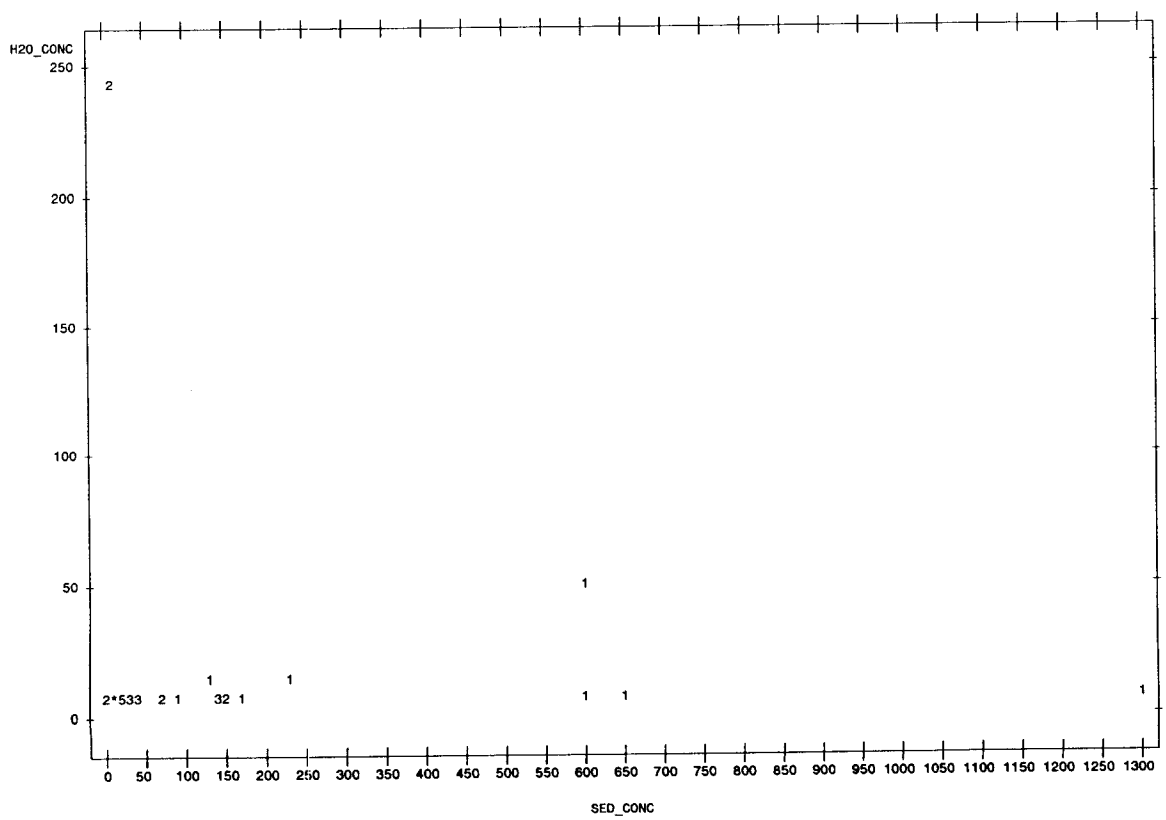
Source	DF	Sum of Squares	Mean Square	F Value	Prob>F
Model	1	159.65593	159.65593	0.072	0.7899
Error	48	106753.72407	2224.03592		
C Total	49	106913.38000			

Root MSE	47.15969	R-square	0.0015
Dep Mean	15.82000	Adj R-sq	-0.0193
C.V.	298.10168		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	T for H0: Parameter=0	Prob > |T|
INTERCEP	1	16.630579	7.32348126	2.271	0.0277
SED_CONC	1	-0.007929	0.02959189	-0.268	0.7899

---------- NAME OF FORMER VARIABLE=BGHIP ----------



---------- NAME OF FORMER VARIABLE=BHC_A ----------

Model: MODEL1
Dependent Variable: H2O_CONC

Analysis of Variance

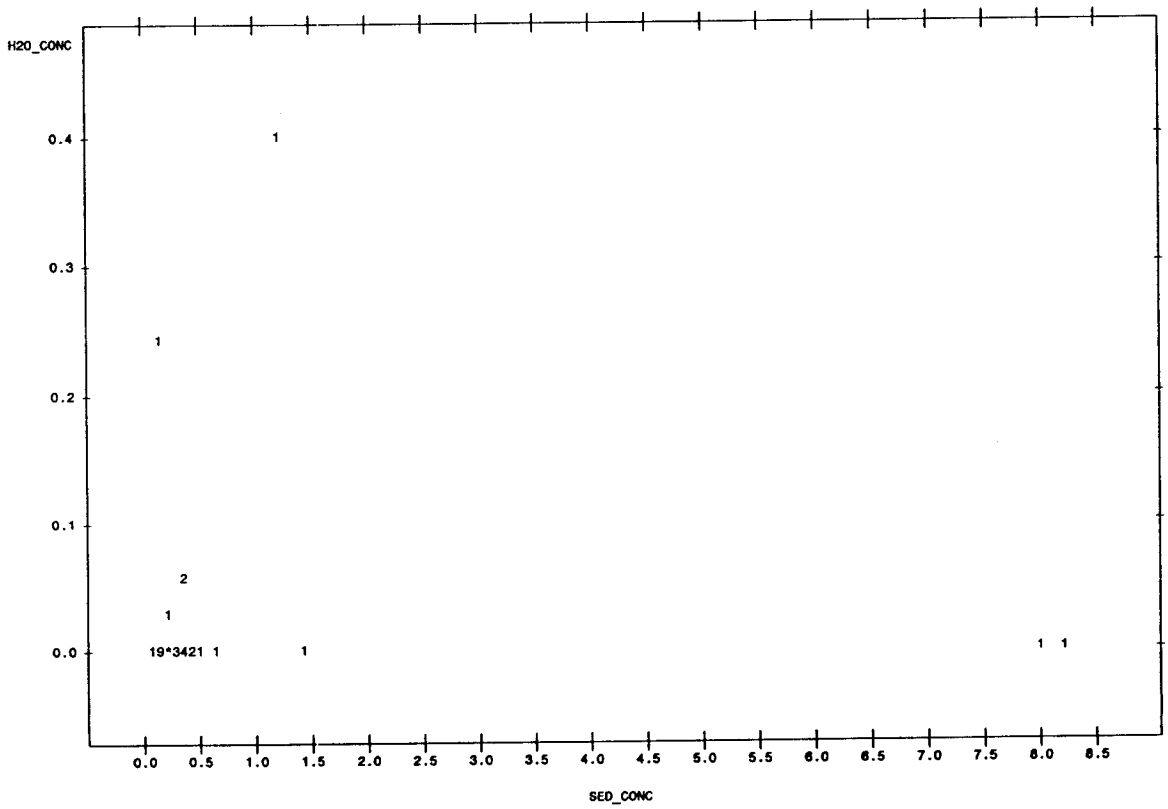
Source	DF	Sum of Squares	Mean Square	F Value	Prob>F
Model	1	0.00005	0.00005	0.009	0.9235
Error	42	0.20337	0.00484		
C Total	43	0.20342			

Root MSE	0.06959	R-square	0.0002
Dep Mean	0.02205	Adj R-sq	-0.0236
C.V.	315.64612		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	T for H0: Parameter=0	Prob > |T|
INTERCEP	1	0.021639	0.01130265	1.914	0.0624
SED_CONC	1	0.000617	0.00638582	0.097	0.9235

---------- NAME OF FORMER VARIABLE=BHC_A ----------



---------- NAME OF FORMER VARIABLE=BHC_B ----------

Model: MODEL1
Dependent Variable: H2O_CONC

Analysis of Variance

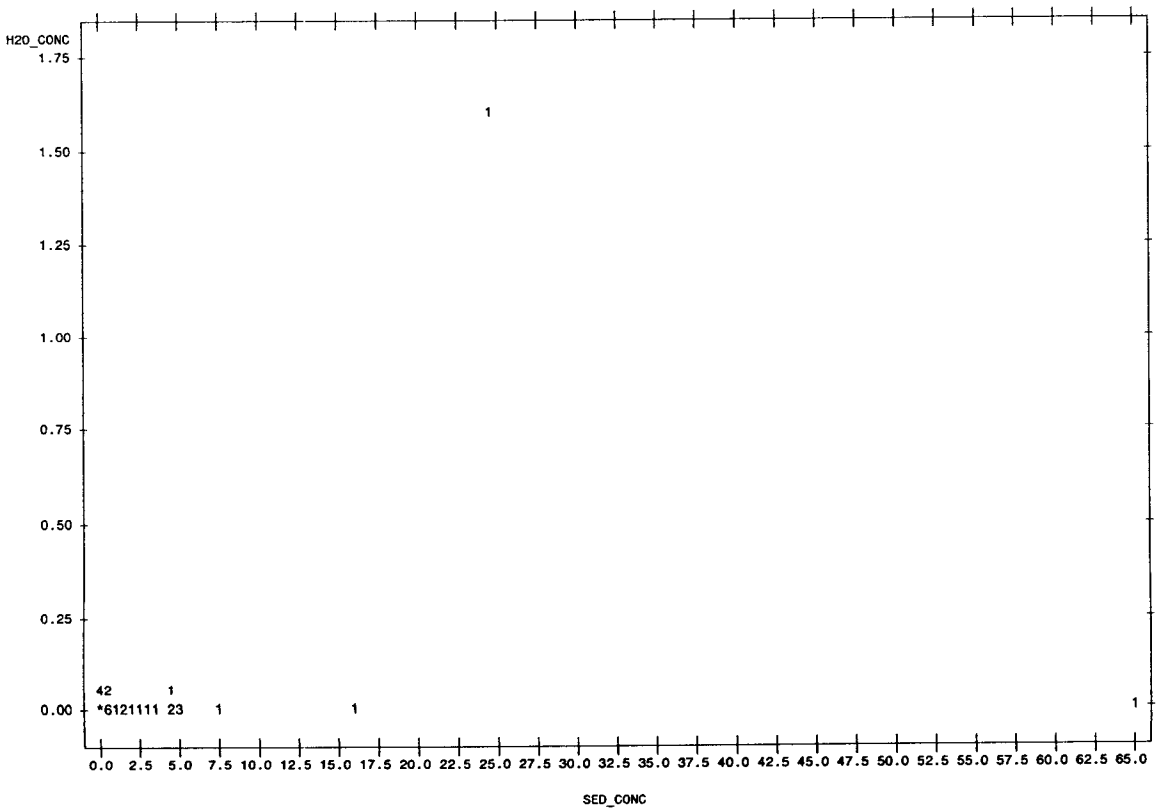
Source	DF	Sum of Squares	Mean Square	F Value	Prob>F
Model	1	0.21750	0.21750	3.859	0.0564
Error	40	2.25434	0.05636		
C Total	41	2.47185			

Root MSE	0.23740	R-square	0.0880
Dep Mean	0.04979	Adj R-sq	0.0652
C.V.	476.84291		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	T for H0: Parameter=0	Prob > |T|
INTERCEP	1	0.023313	0.03903150	0.597	0.5537
SED_CONC	1	0.006821	0.00347225	1.964	0.0564

---------- NAME OF FORMER VARIABLE=BHC_B ----------



---------- NAME OF FORMER VARIABLE=BHC_D ----------

Model: MODEL1
Dependent Variable: H2O_CONC

Analysis of Variance

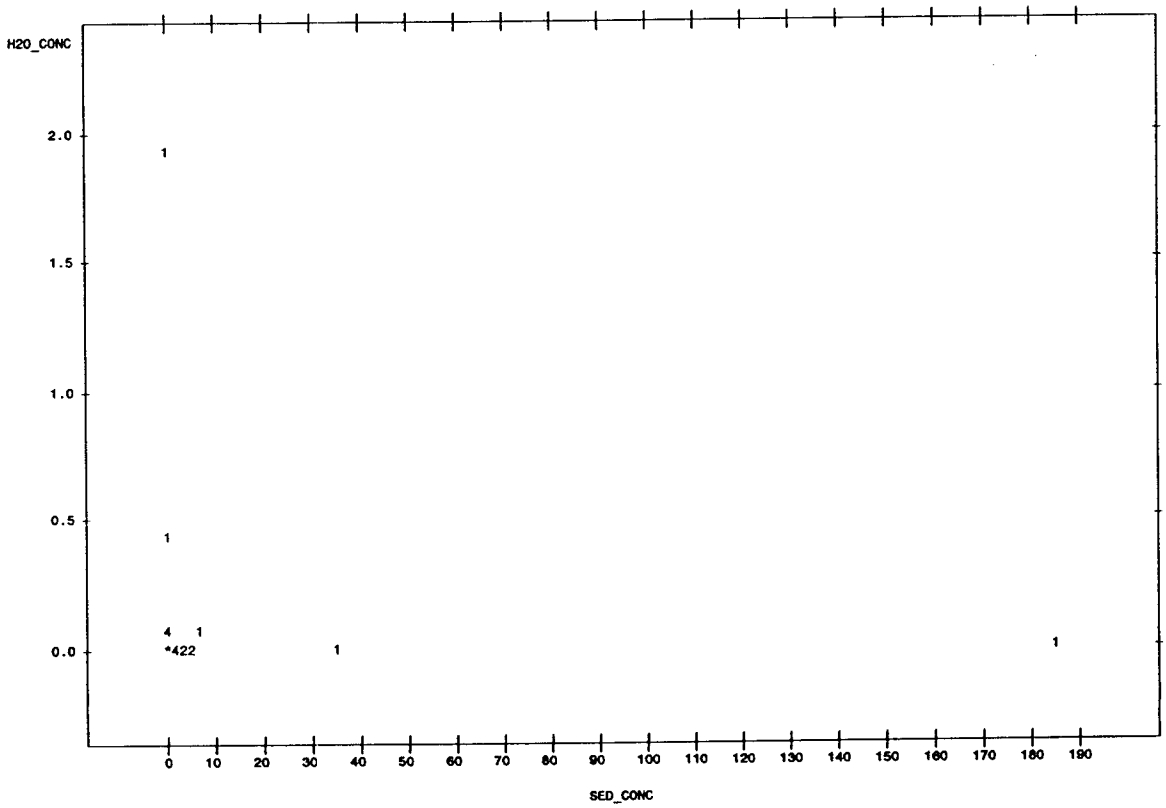
Source	DF	Sum of Squares	Mean Square	F Value	Prob>F
Model	1	0.00564	0.00564	0.064	0.8016
Error	41	3.61834	0.08825		
C Total	42	3.62399			

Root MSE	0.29707	R-square	0.0016
Dep Mean	0.06391	Adj R-sq	-0.0228
C.V.	464.85196		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	T for H0: Parameter=0	Prob > |T|
INTERCEP	1	0.066353	0.04632404	1.432	0.1596
SED_CONC	1	-0.000407	0.00161010	-0.253	0.8016

---------- NAME OF FORMER VARIABLE=BHC_D ----------



---------- NAME OF FORMER VARIABLE=BHC_G ----------

Model: MODEL1
Dependent Variable: H2O_CONC

Analysis of Variance

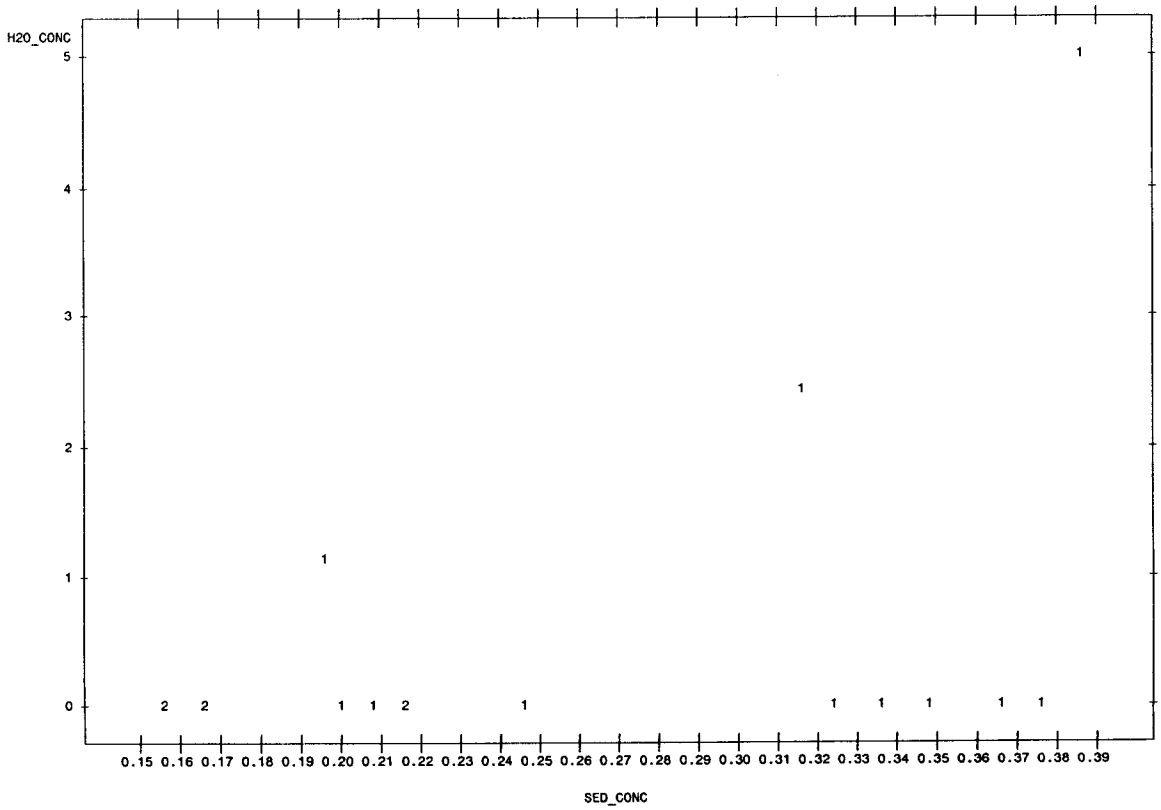
Source	DF	Sum of Squares	Mean Square	F Value	Prob>F
Model	1	4.47011	4.47011	2.909	0.1087
Error	15	23.05019	1.53668		
C Total	16	27.52030			

Root MSE	1.23963	R-square	0.1624
Dep Mean	0.51206	Adj R-sq	0.1066
C.V.	242.08718		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	T for H0: Parameter=0	Prob > |T|
INTERCEP	1	-1.086483	0.98429424	-1.104	0.2871
SED_CONC	1	6.221194	3.64759260	1.706	0.1087

---------- NAME OF FORMER VARIABLE=BHC_G ----------



---------- NAME OF FORMER VARIABLE=BKF ----------

Model: MODEL1
Dependent Variable: H2O_CONC

Analysis of Variance

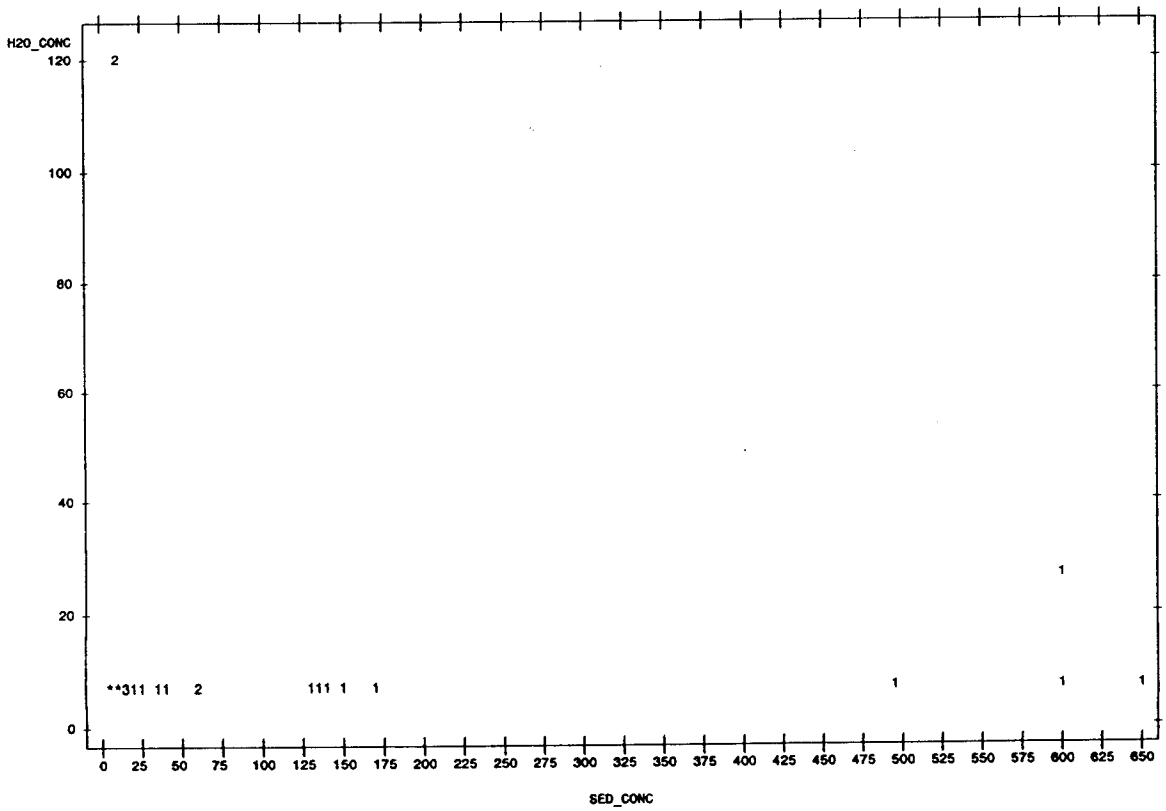
Source	DF	Sum of Squares	Mean Square	F Value	Prob>F
Model	1	9.49582	9.49582	0.018	0.8944
Error	48	25590.50418	533.13550		
C Total	49	25600.00000			

Root MSE	23.08973	R-square	0.0004
Dep Mean	10.00000	Adj R-sq	-0.0205
C.V.	230.89727		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	T for H0: Parameter=0	Prob > |T|
INTERCEP	1	10.196864	3.58309923	2.846	0.0065
SED_CONC	1	-0.002755	0.02064661	-0.133	0.8944

---------- NAME OF FORMER VARIABLE=BKF ----------



---------- NAME OF FORMER VARIABLE=CD ----------

Model: MODEL1
Dependent Variable: H2O_CONC

Analysis of Variance

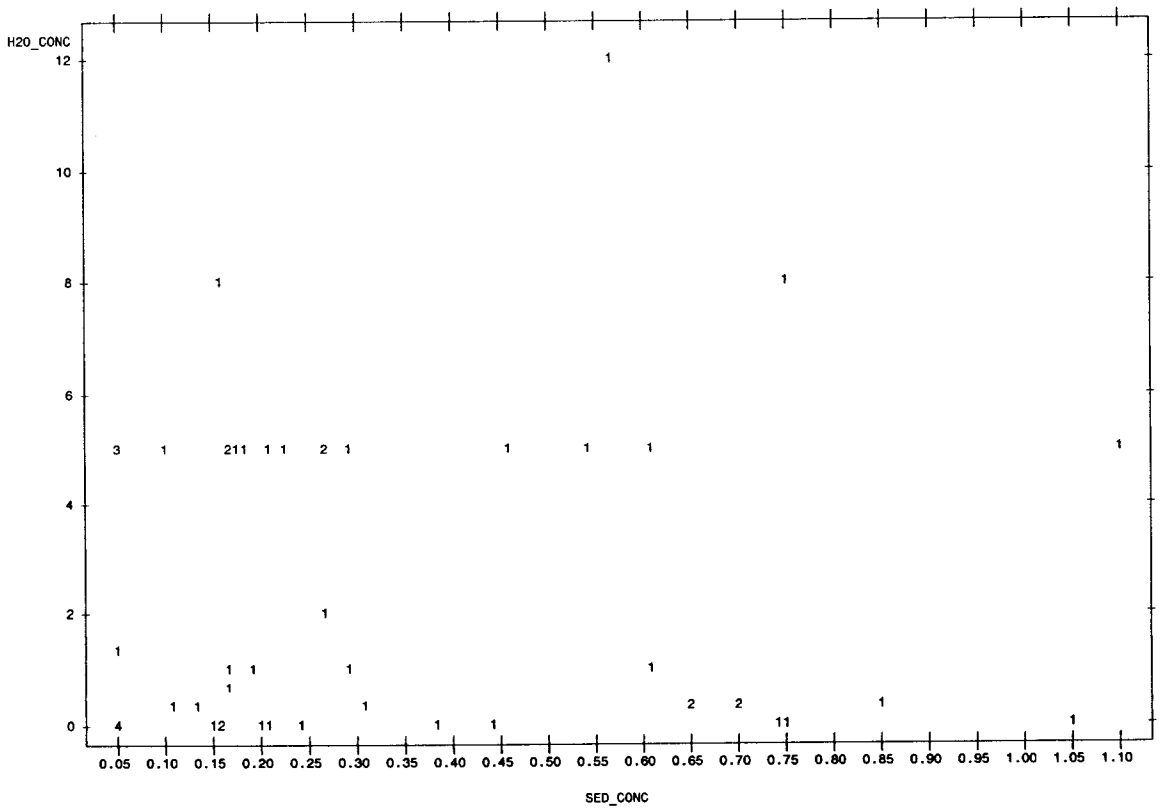
Source	DF	Sum of Squares	Mean Square	F Value	Prob>F
Model	1	0.01852	0.01852	0.002	0.9628
Error	48	404.06862	8.41810		
C Total	49	404.08715			

Root MSE	2.90140	R-square	0.0000
Dep Mean	2.48012	Adj R-sq	-0.0208
C.V.	116.98610		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	T for H0: Parameter=0	Prob > |T|
INTERCEP	1	2.456508	0.64942784	3.783	0.0004
SED_CONC	1	0.069758	1.48714334	0.047	0.9628

---------- NAME OF FORMER VARIABLE=CD ----------



---------- NAME OF FORMER VARIABLE=CHLOR_A ----------

Model: MODEL1
Dependent Variable: H2O_CONC

Analysis of Variance

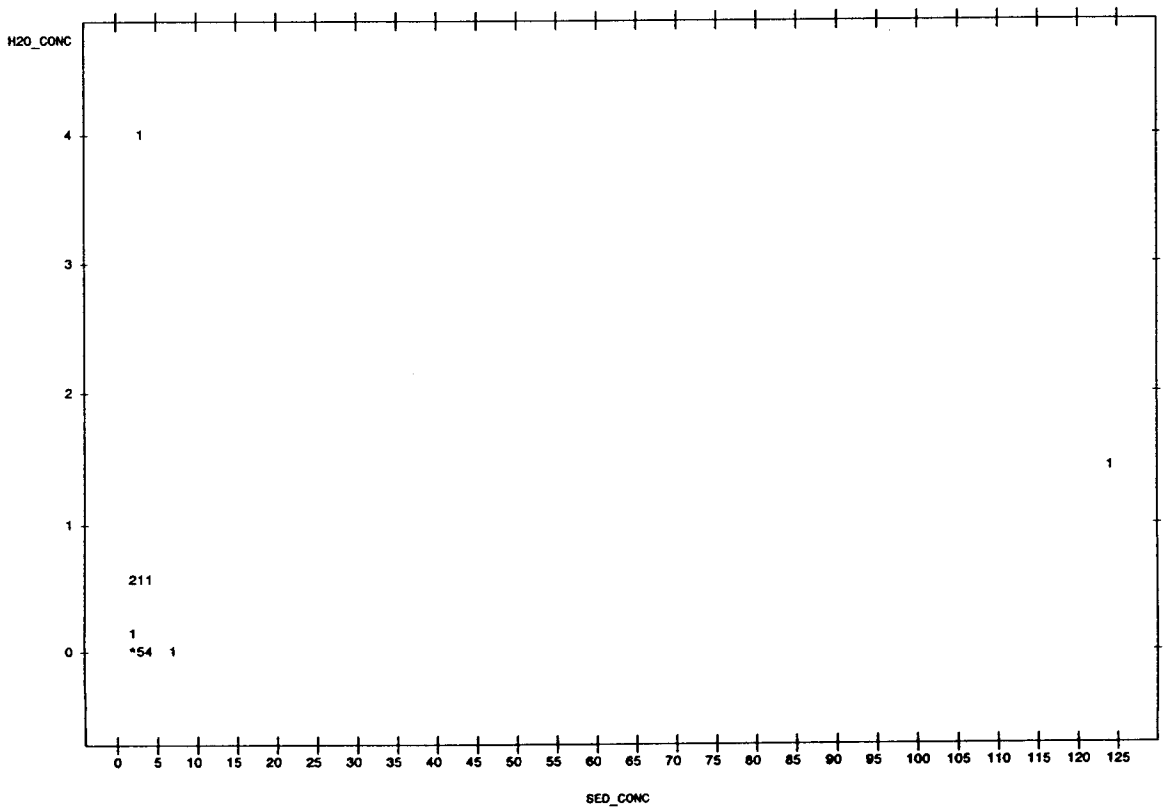
Source	DF	Sum of Squares	Mean Square	F Value	Prob>F
Model	1	1.49810	1.49810	4.132	0.0483
Error	43	15.59134	0.36259		
C Total	44	17.08944			

Root MSE	0.60215	R-square	0.0877
Dep Mean	0.21111	Adj R-sq	0.0664
C.V.	285.23081		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	T for H0: Parameter=0	Prob > |T|
INTERCEP	1	0.159002	0.09335284	1.703	0.0957
SED_CONC	1	0.010165	0.00500109	2.033	0.0483

---------- NAME OF FORMER VARIABLE=CHLOR_A ----------



---------- NAME OF FORMER VARIABLE=CHLOR_G ----------

Model: MODEL1
Dependent Variable: H2O_CONC

Analysis of Variance

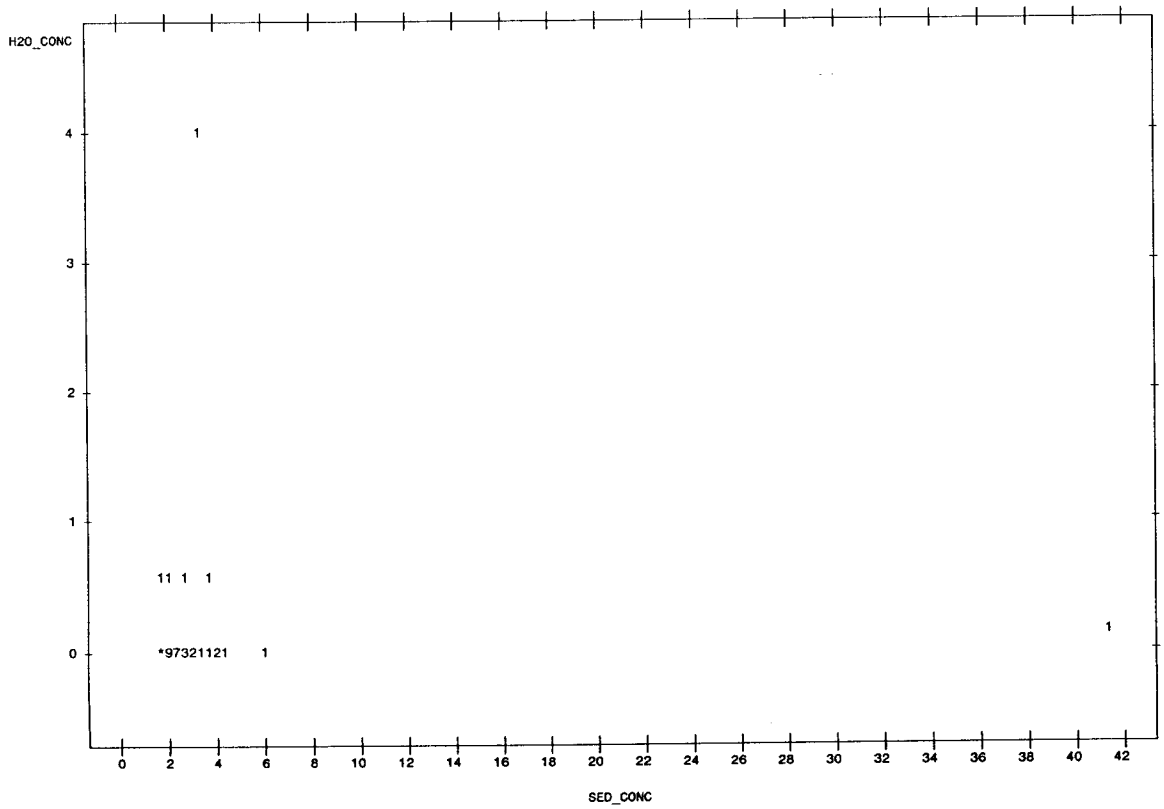
Source	DF	Sum of Squares	Mean Square	F Value	Prob>F
Model	1	0.01133	0.01133	0.031	0.8608
Error	43	15.65059	0.36397		
C Total	44	15.66192			

Root MSE	0.60330	R-square	0.0007
Dep Mean	0.18133	Adj R-sq	-0.0225
C.V.	332.70050		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	T for H0: Parameter=0	Prob > |T|
INTERCEP	1	0.172362	0.10331222	1.668	0.1025
SED_CONC	1	0.002739	0.01552268	0.176	0.8608

---------- NAME OF FORMER VARIABLE=CHLOR_G ----------



---------- NAME OF FORMER VARIABLE=CHLOR_T ----------

Model: MODEL1
Dependent Variable: H2O_CONC

Analysis of Variance

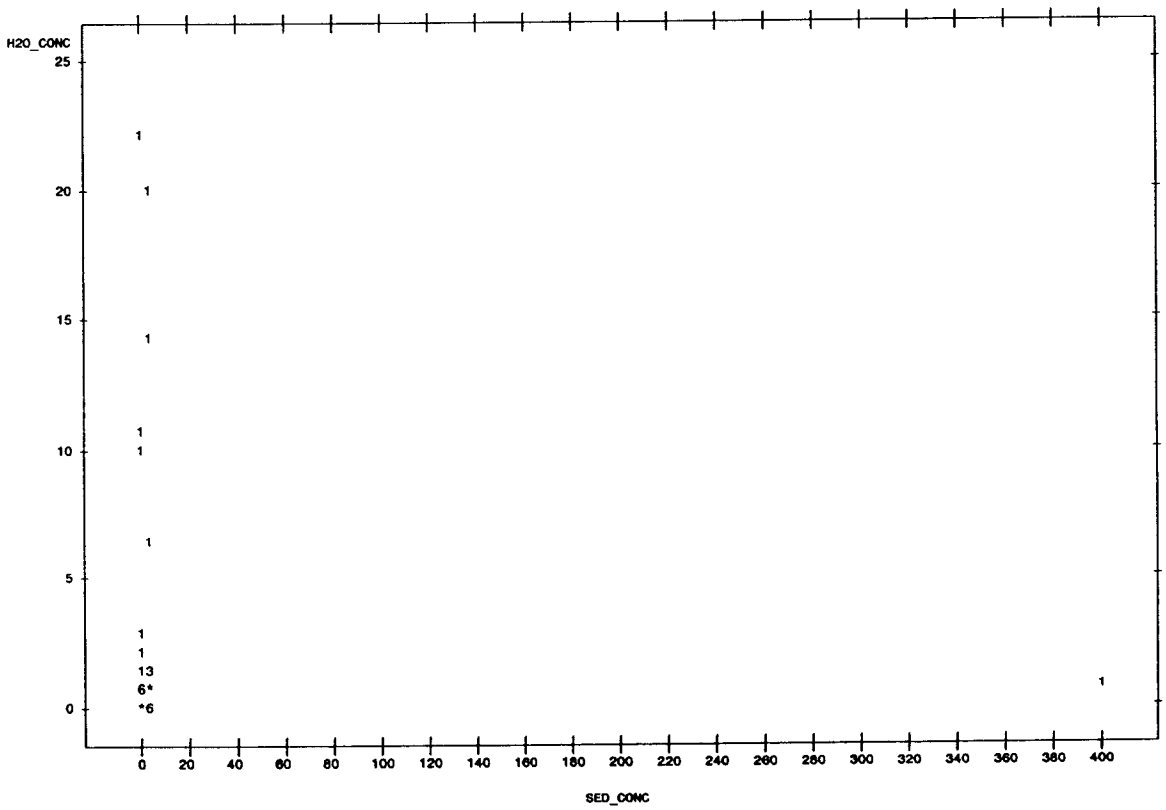
Source	DF	Sum of Squares	Mean Square	F Value	Prob>F
Model	1	4.16836	4.16836	0.161	0.6899
Error	43	1110.99414	25.83707		
C Total	44	1115.16250			

Root MSE	5.08302	R-square	0.0037
Dep Mean	2.33022	Adj R-sq	-0.0194
C.V.	218.13448		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	T for H0: Parameter=0	Prob > |T|
INTERCEP	1	2.384464	0.76967142	3.098	0.0034
SED_CONC	1	-0.005181	0.01289965	-0.402	0.6899

---------- NAME OF FORMER VARIABLE=CHLOR_T ----------



---------- NAME OF FORMER VARIABLE=CHRYSENE ----------

Model: MODEL1
Dependent Variable: H2O_CONC

Analysis of Variance

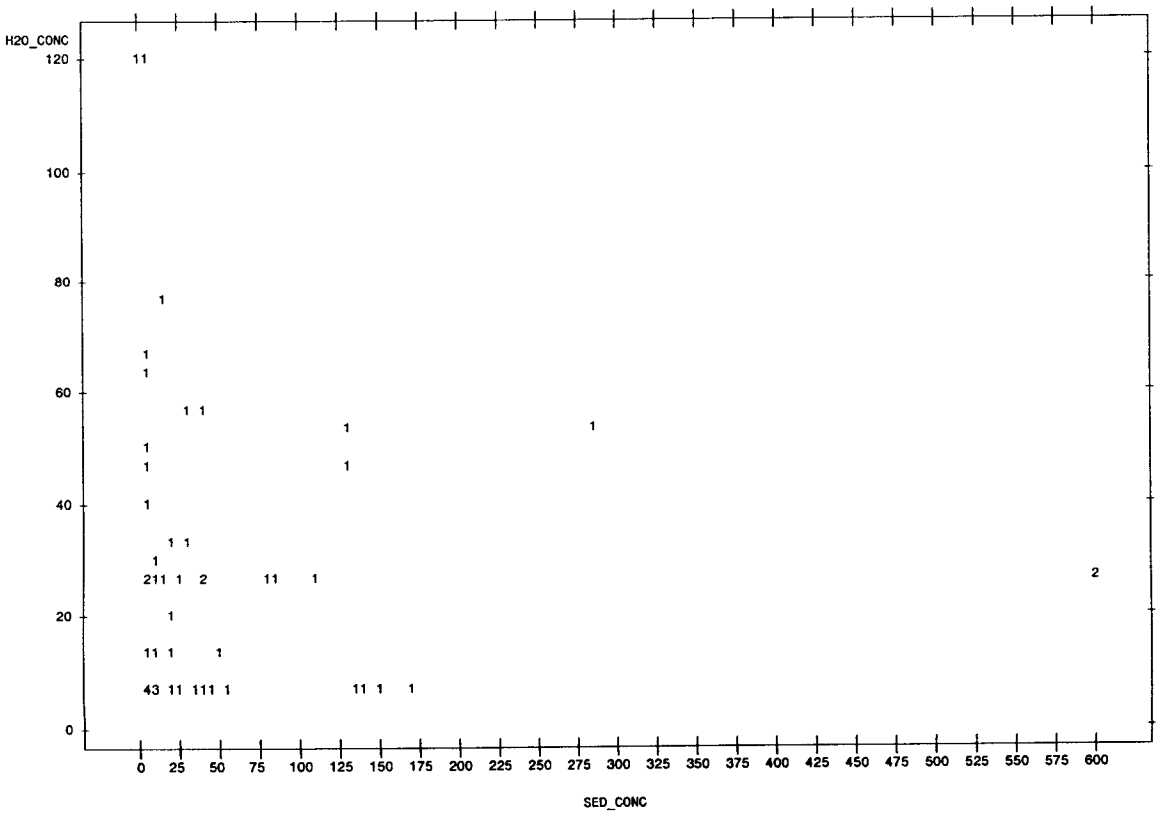
Source	DF	Sum of Squares	Mean Square	F Value	Prob>F
Model	1	119.49182	119.49182	0.160	0.6913
Error	48	35942.32818	748.79850		
C Total	49	36061.82000			

Root MSE	27.36418	R-square	0.0033
Dep Mean	27.94000	Adj R-sq	-0.0175
C.V.	97.93909		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	T for H0: Parameter=0	Prob > |T|
INTERCEP	1	28.772861	4.39576921	6.546	0.0001
SED_CONC	1	-0.012613	0.03157442	-0.399	0.6913

---------- NAME OF FORMER VARIABLE=CHRYSENE ----------



---------- NAME OF FORMER VARIABLE=CO_D ----------

Model: MODEL1
Dependent Variable: H2O_CONC

Analysis of Variance

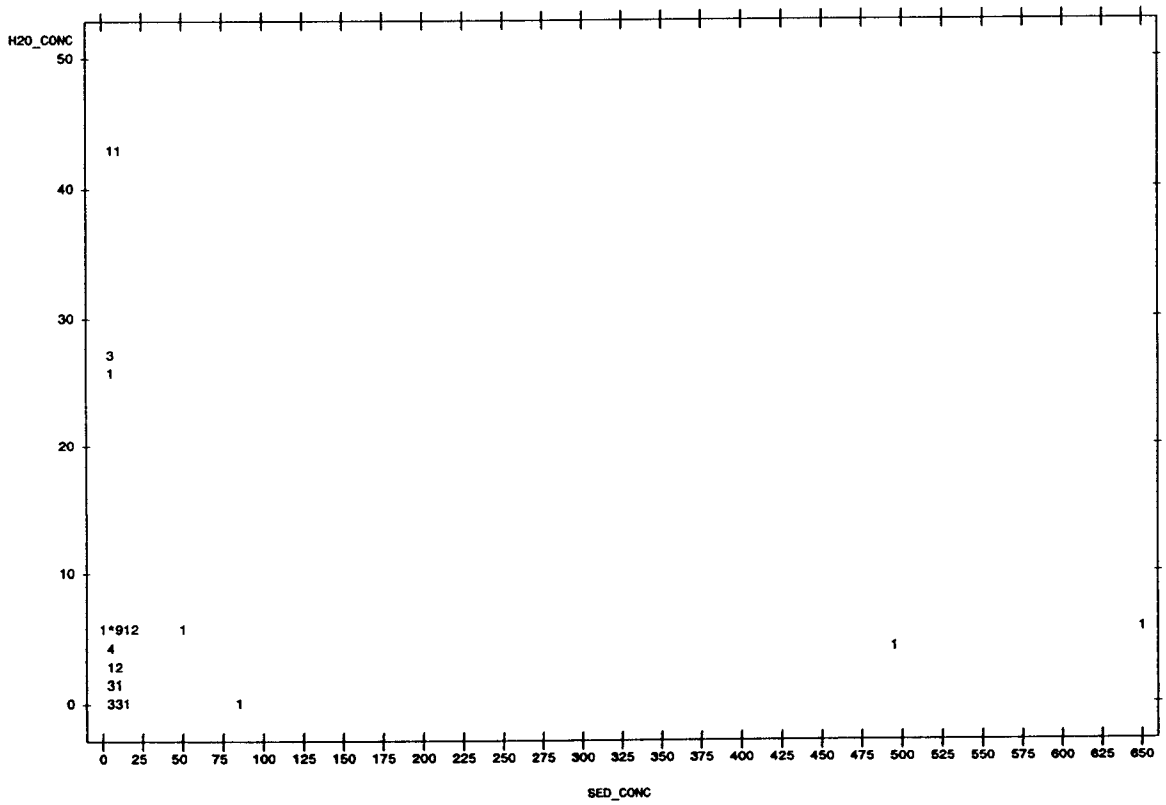
Source	DF	Sum of Squares	Mean Square	F Value	Prob>F
Model	1	11.91028	11.91028	0.129	0.7214
Error	52	4817.34687	92.64129		
C Total	53	4829.25715			

Root MSE	9.62503	R-square	0.0025
Dep Mean	6.79833	Adj R-sq	-0.0167
C.V.	141.57932		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	T for H0: Parameter=0	Prob > |T|
INTERCEP	1	6.931837	1.36169484	5.091	0.0001
SED_CONC	1	-0.004350	0.01213064	-0.359	0.7214

---------- NAME OF FORMER VARIABLE=CO_D ----------



---------- NAME OF FORMER VARIABLE=CR ----------

Model: MODEL1
Dependent Variable: H2O_CONC

Analysis of Variance

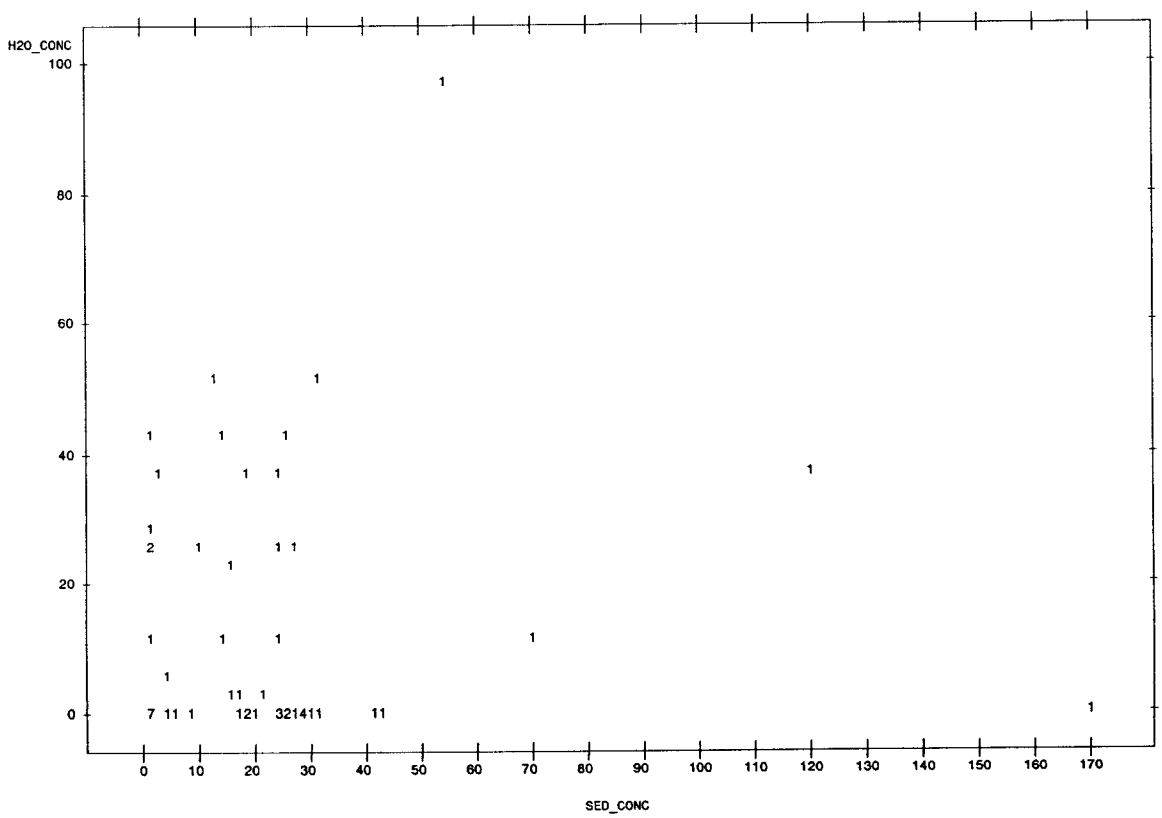
Source	DF	Sum of Squares	Mean Square	F Value	Prob>F
Model	1	147.16289	147.16289	0.367	0.5471
Error	52	20832.98143	400.63426		
C Total	53	20980.14432			

Root MSE	20.01585	R-square	0.0070
Dep Mean	13.32426	Adj R-sq	-0.0121
C.V.	150.22111		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	T for H0: Parameter=0	Prob > |T|
INTERCEP	1	11.978710	3.51397804	3.409	0.0013
SED_CONC	1	0.058543	0.09659364	0.606	0.5471

---------- NAME OF FORMER VARIABLE=CR ----------



---------- NAME OF FORMER VARIABLE=CU_D ----------

Model: MODEL1
Dependent Variable: H2O_CONC

Analysis of Variance

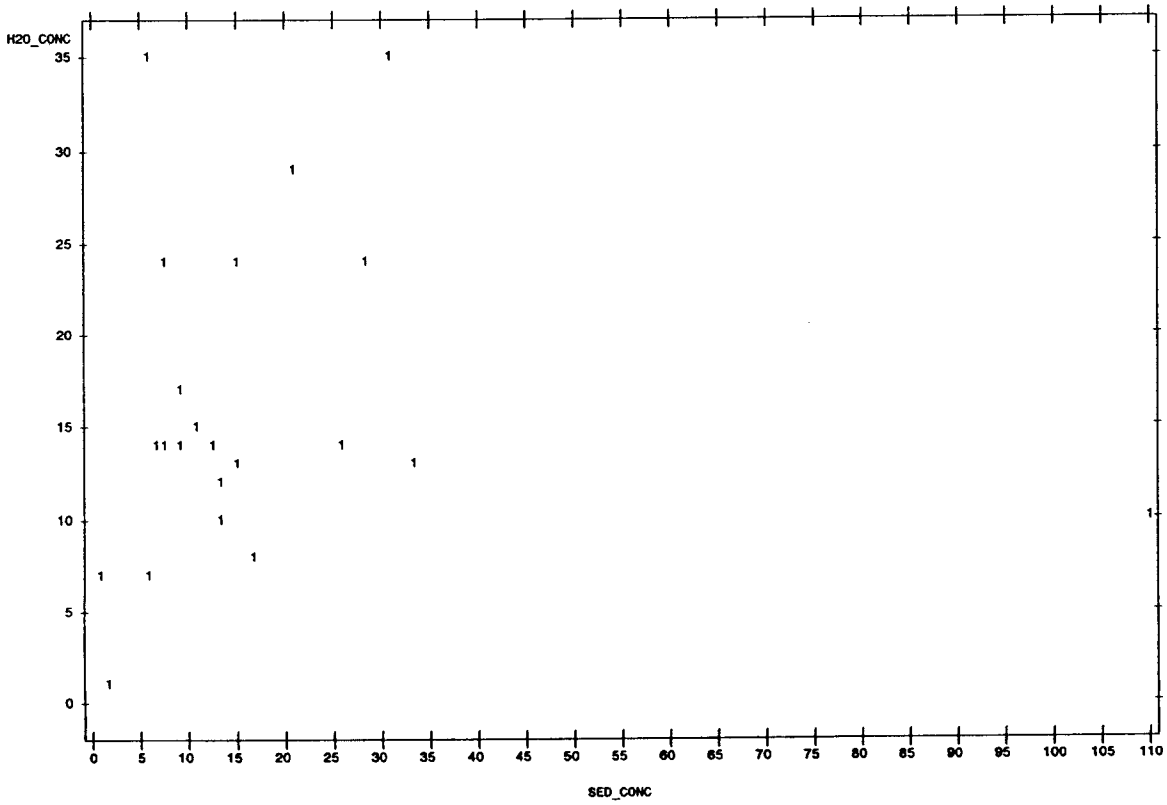
Source	DF	Sum of Squares	Mean Square	F Value	Prob>F
Model	1	0.50264	0.50264	0.006	0.9390
Error	20	1675.09236	83.75462		
C Total	21	1675.59500			

Root MSE	9.15175	R-square	0.0003
Dep Mean	16.05000	Adj R-sq	-0.0497
C.V.	57.02028		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	T for H0: Parameter=0	Prob > |T|
INTERCEP	1	15.924934	2.53245922	6.288	0.0001
SED_CONC	1	0.006898	0.08903892	0.077	0.9390

---------- NAME OF FORMER VARIABLE=CU_D ----------



---------- NAME OF FORMER VARIABLE=CU_T ----------

Model: MODEL1
Dependent Variable: H2O_CONC

Analysis of Variance

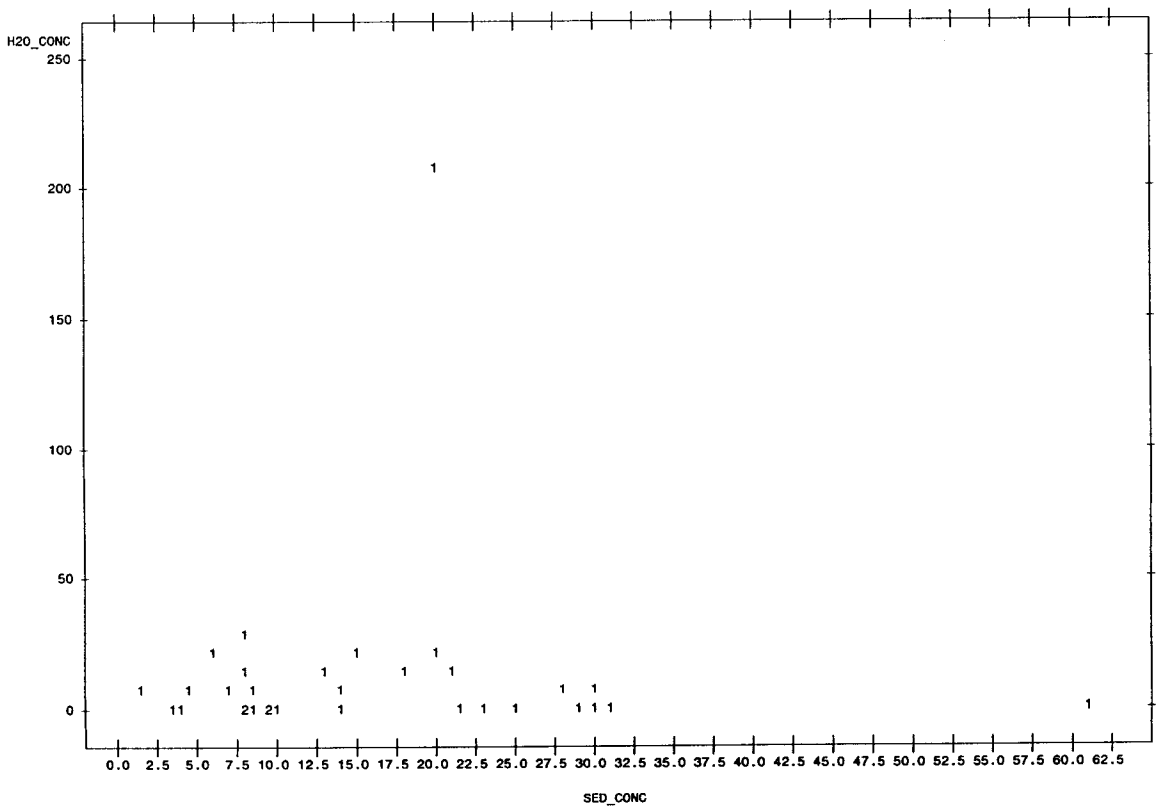
Source	DF	Sum of Squares	Mean Square	F Value	Prob>F
Model	1	2.92000	2.92000	0.002	0.9640
Error	30	42222.08137	1407.40271		
C Total	31	42225.00137			

Root MSE	37.51537	R-square	0.0001
Dep Mean	12.65594	Adj R-sq	-0.0333
C.V.	296.42503		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	T for H0: Parameter=0	Prob > |T|
INTERCEP	1	12.243777	11.21870750	1.091	0.2838
SED_CONC	1	0.025452	0.55877241	0.046	0.9640

---------- NAME OF FORMER VARIABLE=CU_T ----------



---------- NAME OF FORMER VARIABLE=DAHA ----------

Model: MODEL1
Dependent Variable: H2O_CONC

Analysis of Variance

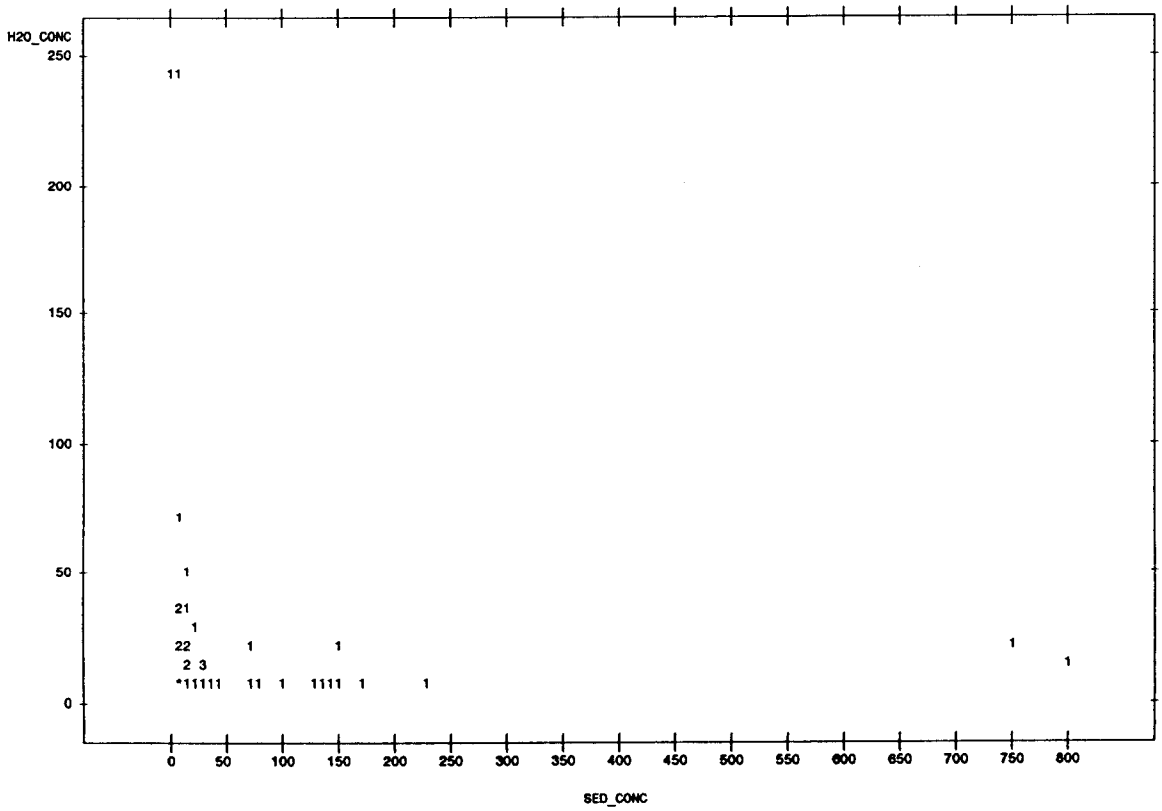
Source	DF	Sum of Squares	Mean Square	F Value	Prob>F
Model	1	889.75811	889.75811	0.404	0.5279
Error	48	105625.72109	2200.53586		
C Total	49	106515.47920			

Root MSE	46.90987	R-square	0.0084
Dep Mean	22.70400	Adj R-sq	-0.0123
C.V.	206.61500		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	T for H0: Parameter=0	Prob > |T|
INTERCEP	1	24.613526	7.28207853	3.380	0.0014
SED_CONC	1	-0.027478	0.04321285	-0.636	0.5279

---------- NAME OF FORMER VARIABLE=DAHA ----------



---------- NAME OF FORMER VARIABLE=DDD ----------

Model: MODEL1
Dependent Variable: H2O_CONC

Analysis of Variance

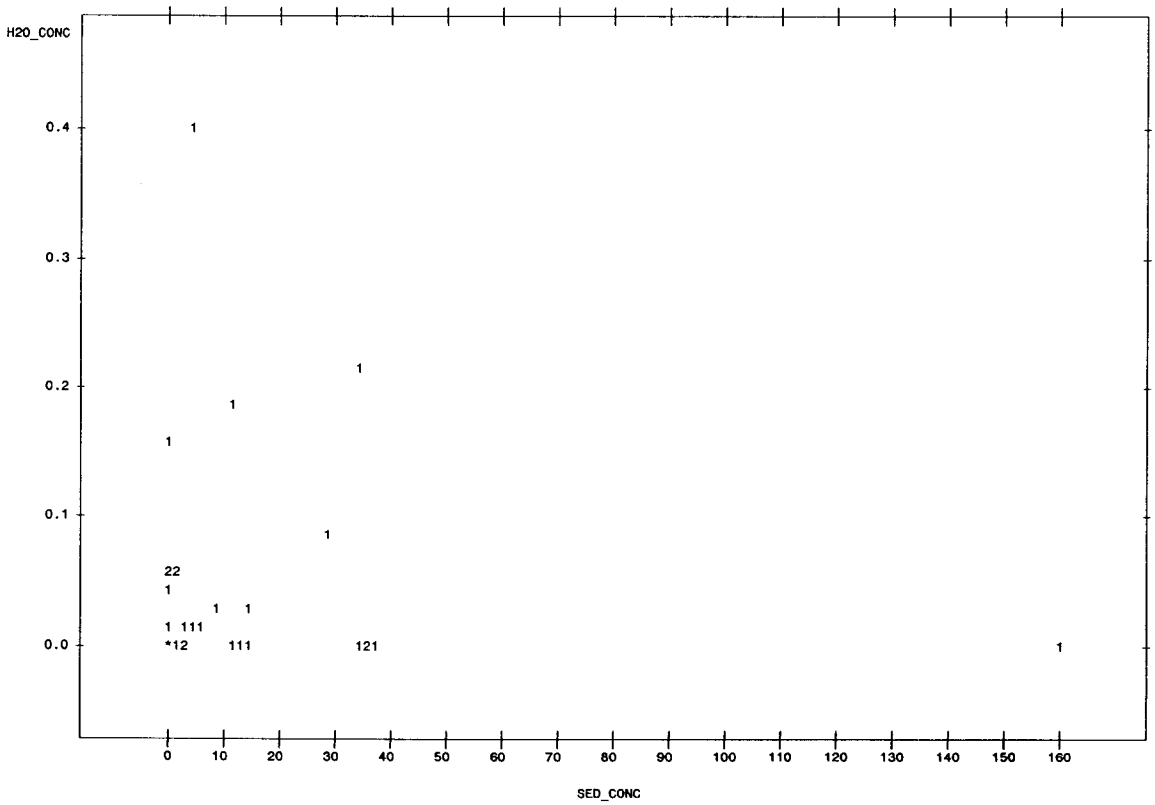
Source	DF	Sum of Squares	Mean Square	F Value	Prob>F
Model	1	3.6928327E-6	3.6928327E-6	0.001	0.9794
Error	43	0.23484	0.00546		
C Total	44	0.23484			

Root MSE	0.07390	R-square	0.0000
Dep Mean	0.03500	Adj R-sq	-0.0232
C.V.	211.14478		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	T for H0: Parameter=0	Prob > |T|
INTERCEP	1	0.035118	0.01192068	2.946	0.0052
SED_CONC	1	-0.000011345	0.00043629	-0.026	0.9794

---------- NAME OF FORMER VARIABLE=DDD ----------



---------- NAME OF FORMER VARIABLE=DDE ----------

Model: MODEL1
Dependent Variable: H2O_CONC

Analysis of Variance

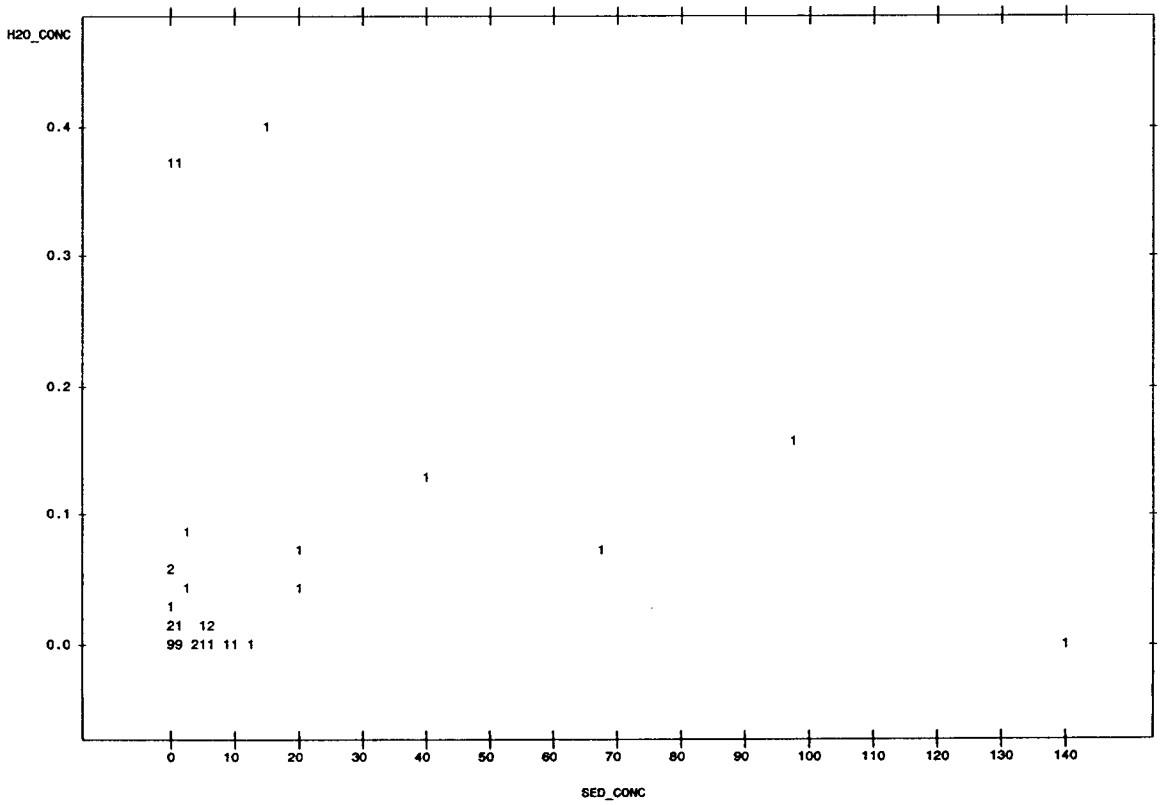
Source	DF	Sum of Squares	Mean Square	F Value	Prob>F
Model	1	0.00525	0.00525	0.563	0.4573
Error	43	0.40135	0.00933		
C Total	44	0.40660			

Root MSE	0.09661	R-square	0.0129
Dep Mean	0.04660	Adj R-sq	-0.0100
C.V.	207.32051		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	T for H0: Parameter=0	Prob > |T|
INTERCEP	1	0.042152	0.01557527	2.706	0.0097
SED_CONC	1	0.000407	0.00054308	0.750	0.4573

---------- NAME OF FORMER VARIABLE=DDE ----------



---------- NAME OF FORMER VARIABLE=DDT ----------

Model: MODEL1
Dependent Variable: H2O_CONC

Analysis of Variance

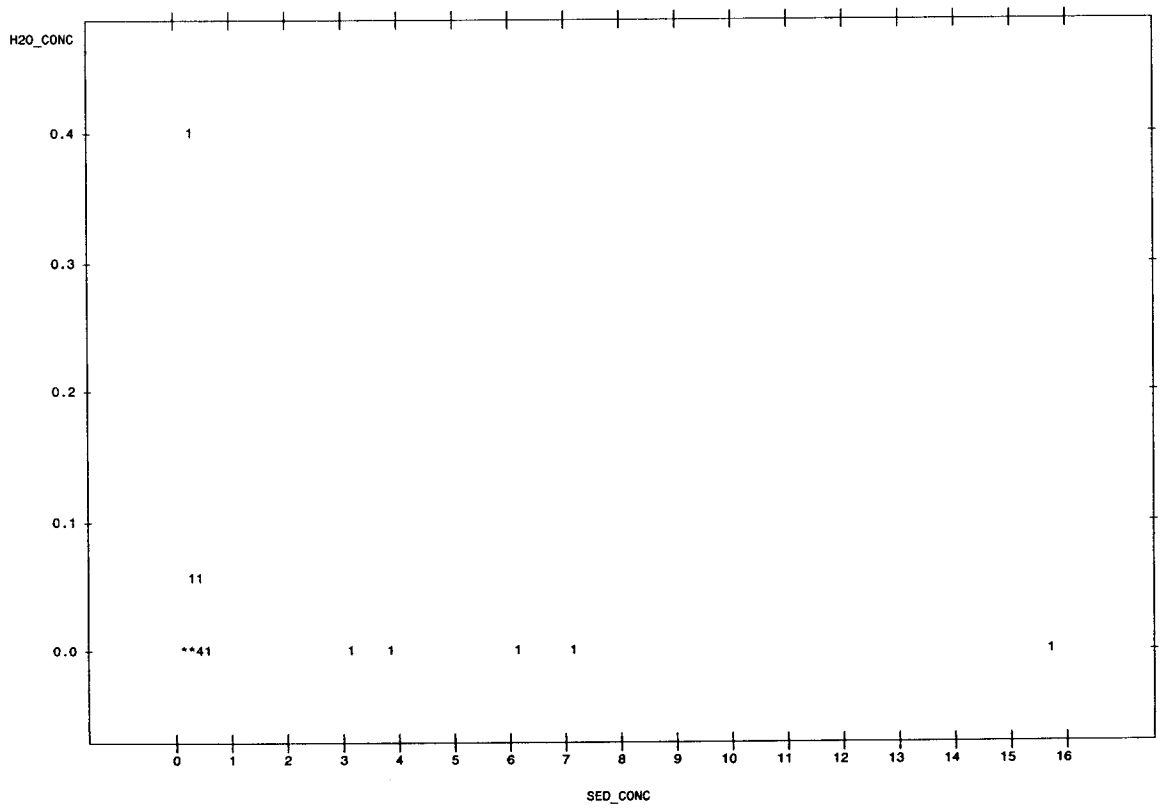
Source	DF	Sum of Squares	Mean Square	F Value	Prob>F
Model	1	0.00037	0.00037	0.102	0.7504
Error	43	0.15448	0.00359		
C Total	44	0.15485			

Root MSE	0.05994	R-square	0.0024
Dep Mean	0.01578	Adj R-sq	-0.0208
C.V.	379.88801		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	T for H0: Parameter=0	Prob > |T|
INTERCEP	1	0.016877	0.00957259	1.763	0.0850
SED_CONC	1	-0.001078	0.00336826	-0.320	0.7504

---------- NAME OF FORMER VARIABLE=DDT ----------



---------- NAME OF FORMER VARIABLE=DIELDRIN ----------

Model: MODEL1
Dependent Variable: H2O_CONC

Analysis of Variance

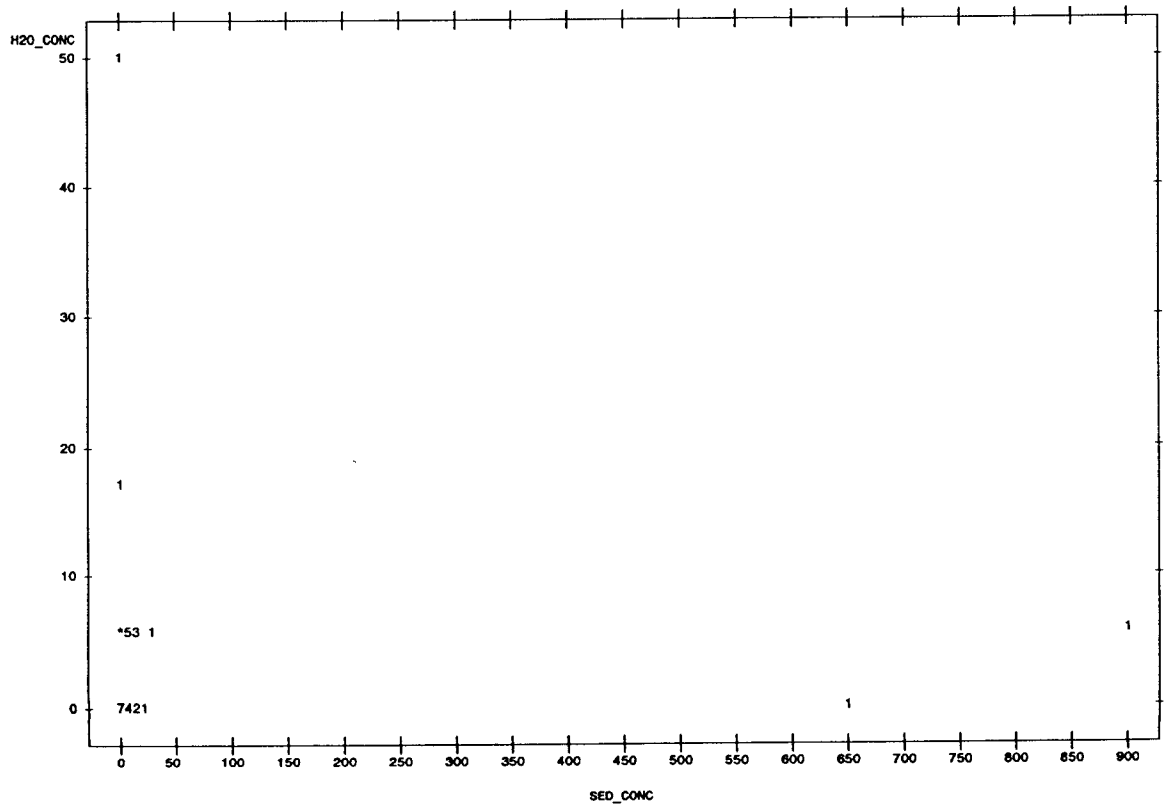
Source	DF	Sum of Squares	Mean Square	F Value	Prob>F
Model	1	7.10810	7.10810	0.121	0.7297
Error	43	2526.28265	58.75076		
C Total	44	2533.39075			

Root MSE	7.66490	R-square	0.0028
Dep Mean	4.60827	Adj R-sq	-0.0204
C.V.	166.32945		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	T for H0: Parameter=0	Prob > |T|
INTERCEP	1	4.703903	1.17523189	4.003	0.0002
SED_CONC	1	-0.002467	0.00709332	-0.348	0.7297

---------- NAME OF FORMER VARIABLE=DIELDRIN ----------



---------- NAME OF FORMER VARIABLE=EN1 ----------

Model: MODEL1
Dependent Variable: H2O_CONC

Analysis of Variance

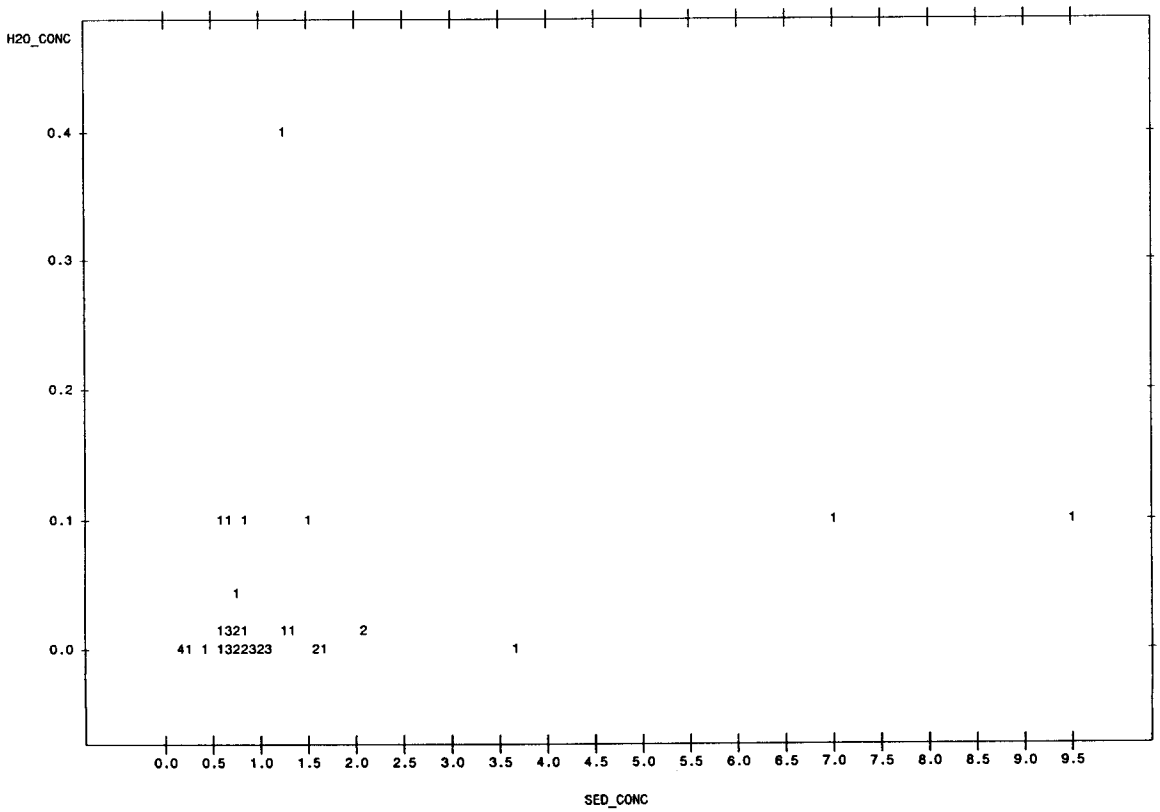
Source	DF	Sum of Squares	Mean Square	F Value	Prob>F
Model	1	0.01072	0.01072	2.615	0.1131
Error	43	0.17618	0.00410		
C Total	44	0.18690			

Root MSE	0.06401	R-square	0.0573
Dep Mean	0.02866	Adj R-sq	0.0354
C.V.	223.37556		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	T for H0: Parameter=0	Prob > |T|
INTERCEP	1	0.016696	0.01207219	1.383	0.1738
SED_CONC	1	0.009389	0.00580587	1.617	0.1131

---------- NAME OF FORMER VARIABLE=EN1 ----------



---------- NAME OF FORMER VARIABLE=EN2 ----------

Model: MODEL1
Dependent Variable: H2O_CONC

Analysis of Variance

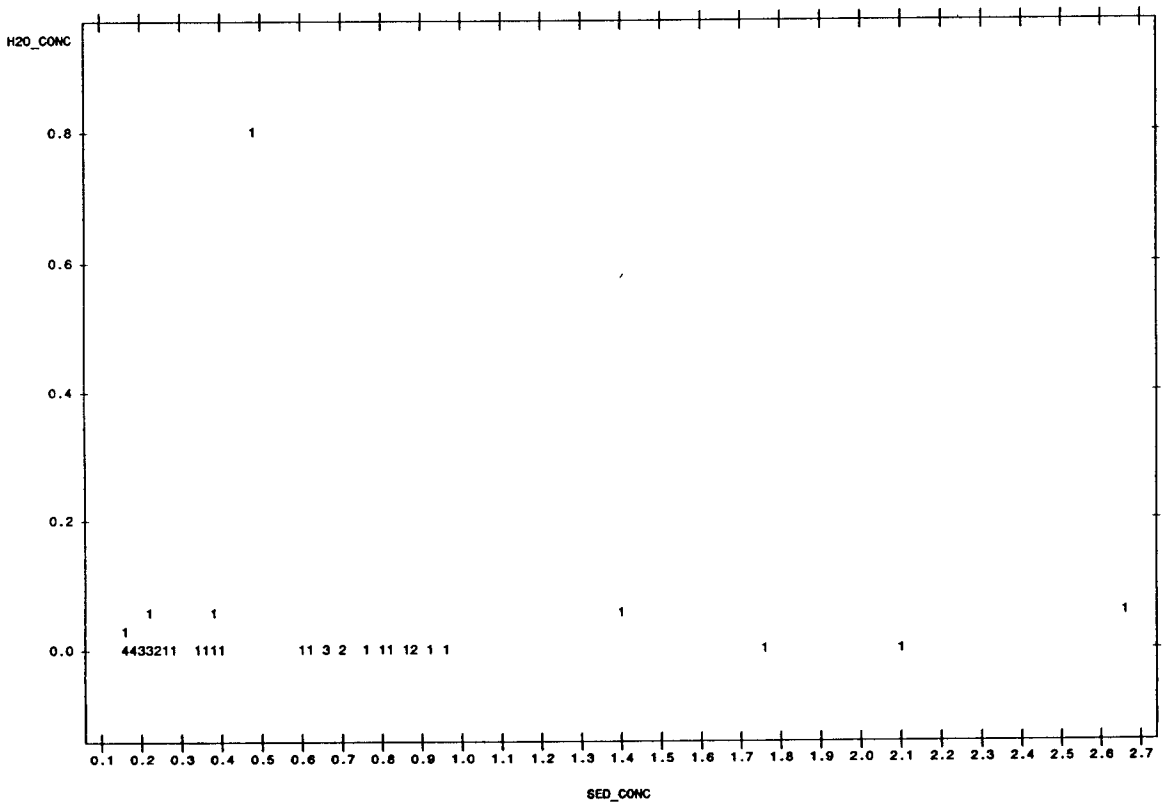
Source	DF	Sum of Squares	Mean Square	F Value	Prob>F
Model	1	0.00002	0.00002	0.001	0.9739
Error	43	0.61224	0.01424		
C Total	44	0.61226			

Root MSE	0.11932	R-square	0.0000
Dep Mean	0.03040	Adj R-sq	-0.0232
C.V.	392.51252		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	T for H0: Parameter=0	Prob > |T|
INTERCEP	1	0.029764	0.02623687	1.134	0.2629
SED_CONC	1	0.001114	0.03381292	0.033	0.9739

---------- NAME OF FORMER VARIABLE=EN2 ----------



---------- NAME OF FORMER VARIABLE=ENDRIN ----------

Model: MODEL1
Dependent Variable: H2O_CONC

Analysis of Variance

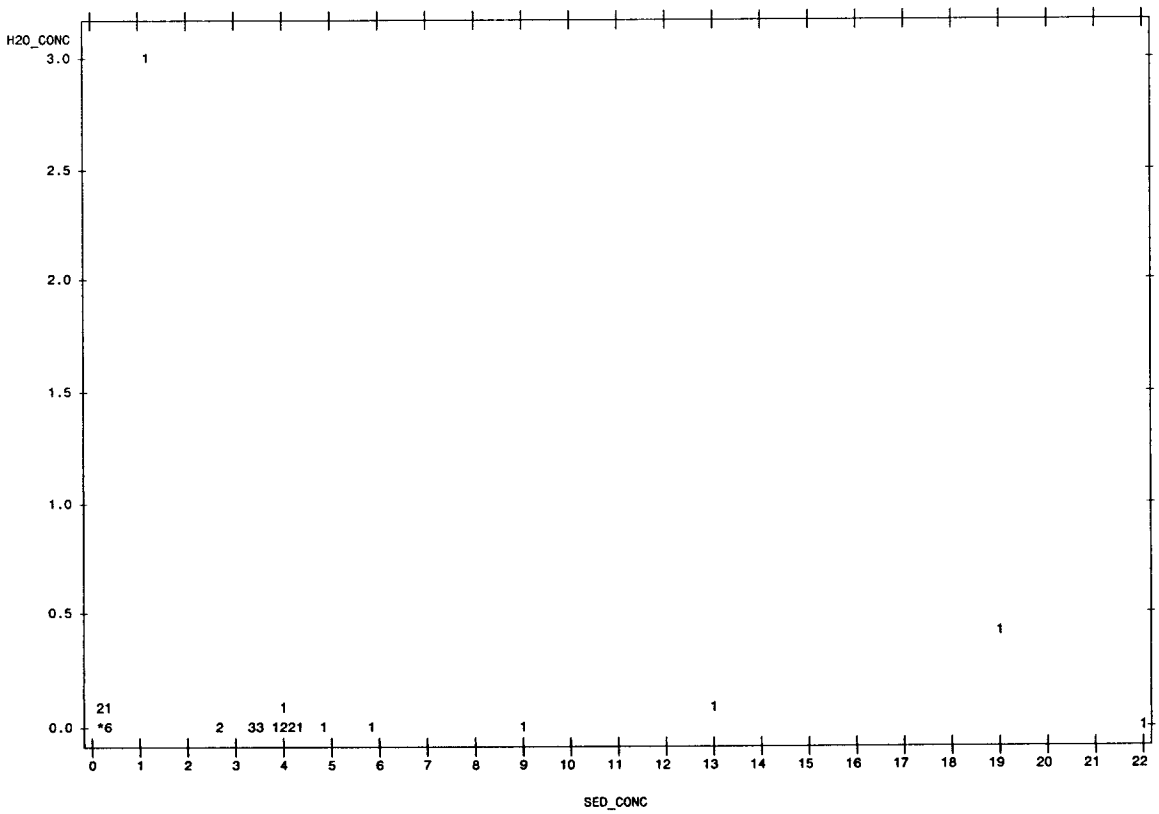
Source	DF	Sum of Squares	Mean Square	F Value	Prob>F
Model	1	0.00043	0.00043	0.002	0.9638
Error	43	8.81068	0.20490		
C Total	44	8.81111			

Root MSE	0.45266	R-square	0.0000
Dep Mean	0.08920	Adj R-sq	-0.0232
C.V.	507.46446		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	T for H0: Parameter=0	Prob > |T|
INTERCEP	1	0.087201	0.08043242	1.084	0.2843
SED_CONC	1	0.000670	0.01466486	0.046	0.9638

---------- NAME OF FORMER VARIABLE=ENDRIN ----------



---------- NAME OF FORMER VARIABLE=ENDRIN_A ----------

Model: MODEL1
Dependent Variable: H2O_CONC

Analysis of Variance

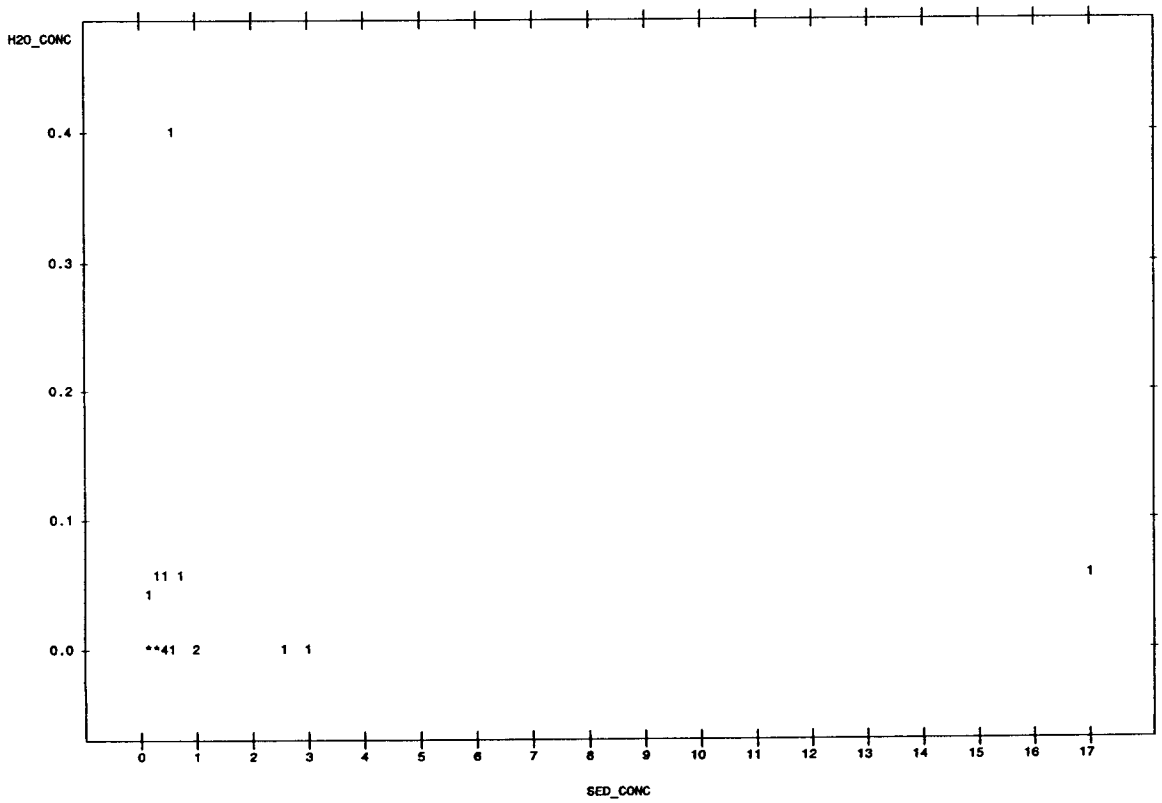
Source	DF	Sum of Squares	Mean Square	F Value	Prob>F
Model	1	0.00132	0.00132	0.363	0.5499
Error	43	0.15568	0.00362		
C Total	44	0.15700			

Root MSE	0.06017	R-square	0.0084
Dep Mean	0.01851	Adj R-sq	-0.0147
C.V.	325.05395		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	T for H0: Parameter=0	Prob > |T|
INTERCEP	1	0.016823	0.00939671	1.790	0.0804
SED_CONC	1	0.002157	0.00357945	0.603	0.5499

---------- NAME OF FORMER VARIABLE=ENDRIN_A ----------



---------- NAME OF FORMER VARIABLE=ENDRIN_K ----------

Model: MODEL1
Dependent Variable: H2O_CONC

Analysis of Variance

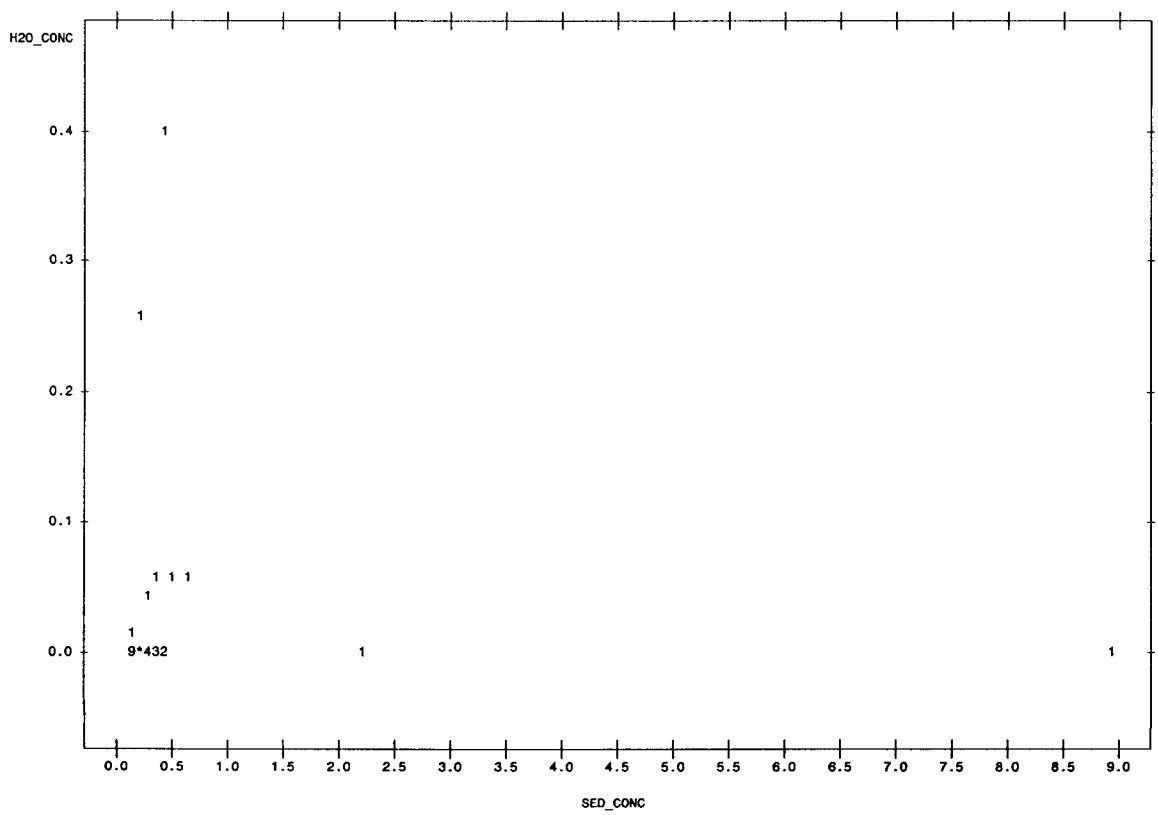
Source	DF	Sum of Squares	Mean Square	F Value	Prob>F
Model	1	0.00015	0.00015	0.031	0.8607
Error	43	0.20854	0.00485		
C Total	44	0.20869			

Root MSE	0.06964	R-square	0.0007
Dep Mean	0.02344	Adj R-sq	-0.0225
C.V.	297.04519		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	T for H0: Parameter=0	Prob > |T|
INTERCEP	1	0.024130	0.01108292	2.177	0.0350
SED_CONC	1	-0.001405	0.00795865	-0.177	0.8607

---------- NAME OF FORMER VARIABLE=ENDRIN_K ----------



---------- NAME OF FORMER VARIABLE=ENS ----------

Model: MODEL1
Dependent Variable: H2O_CONC

Analysis of Variance

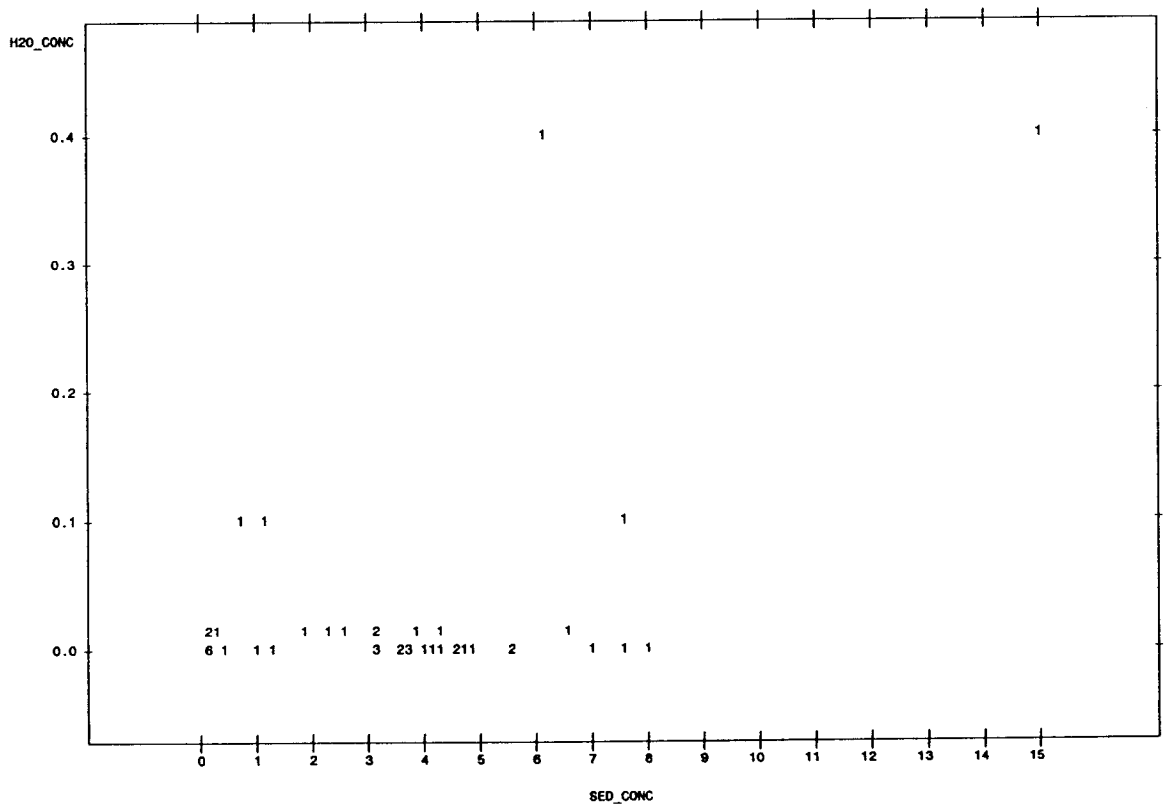
Source	DF	Sum of Squares	Mean Square	F Value	Prob>F
Model	1	0.08290	0.08290	15.626	0.0003
Error	43	0.22812	0.00531		
C Total	44	0.31102			

Root MSE	0.07284	R-square	0.2665
Dep Mean	0.03011	Adj R-sq	0.2495
C.V.	241.89351		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	T for H0: Parameter=0	Prob > |T|
INTERCEP	1	-0.021681	0.01701634	-1.274	0.2095
SED_CONC	1	0.015034	0.00380317	3.953	0.0003

---------- NAME OF FORMER VARIABLE=ENS ----------



---------- NAME OF FORMER VARIABLE=FLOURAN ----------

Model: MODEL1
Dependent Variable: H2O_CONC

Analysis of Variance

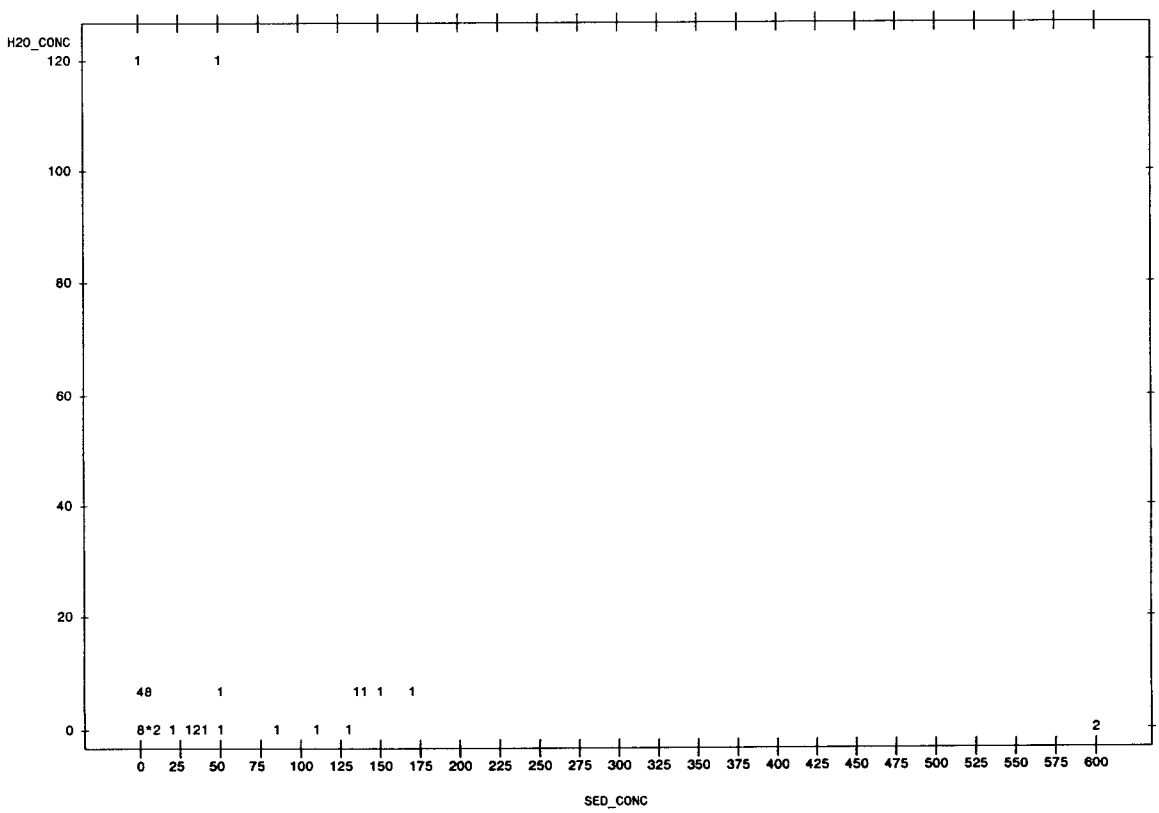
Source	DF	Sum of Squares	Mean Square	F Value	Prob>F
Model	1	69.48377	69.48377	0.123	0.7269
Error	48	27031.03409	563.14654		
C Total	49	27100.51786			

Root MSE	23.73071	R-square	0.0026
Dep Mean	6.51890	Adj R-sq	-0.0182
C.V.	364.02934		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	T for H0: Parameter=0	Prob > |T|
INTERCEP	1	7.017864	3.64427217	1.926	0.0601
SED_CONC	1	-0.009770	0.02781388	-0.351	0.7269

---------- NAME OF FORMER VARIABLE=FLOURAN ----------



---------- NAME OF FORMER VARIABLE=FLOURENE ----------

Model: MODEL1
Dependent Variable: H2O_CONC

Analysis of Variance

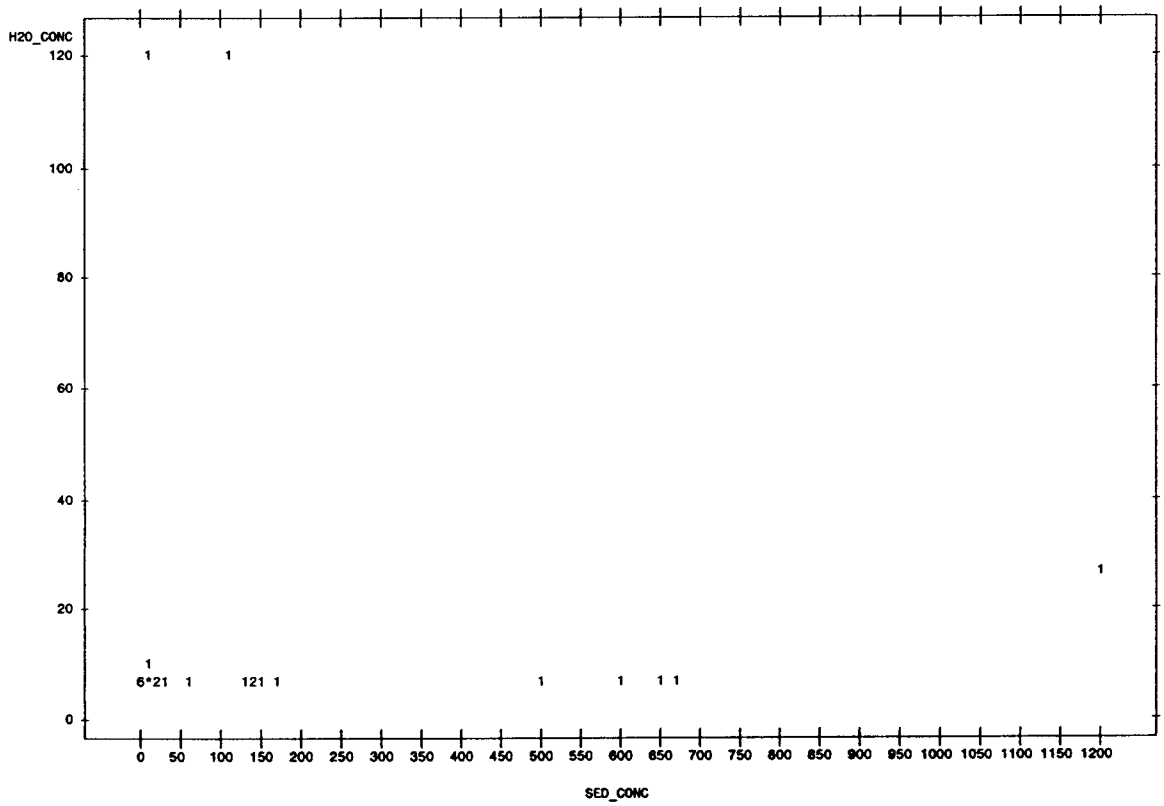
Source	DF	Sum of Squares	Mean Square	F Value	Prob>F
Model	1	68.60122	68.60122	0.129	0.7209
Error	48	25505.89878	531.37289		
C Total	49	25574.50000			

Root MSE	23.05153	R-square	0.0027
Dep Mean	10.10000	Adj R-sq	-0.0181
C.V.	228.23294		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	T for H0: Parameter=0	Prob > |T|
INTERCEP	1	9.603315	3.54094973	2.712	0.0093
SED_CONC	1	0.005161	0.01436393	0.359	0.7209

---------- NAME OF FORMER VARIABLE=FLOURENE ----------



---------- NAME OF FORMER VARIABLE=HG_D ----------

Model: MODEL1
Dependent Variable: H2O_CONC

Analysis of Variance

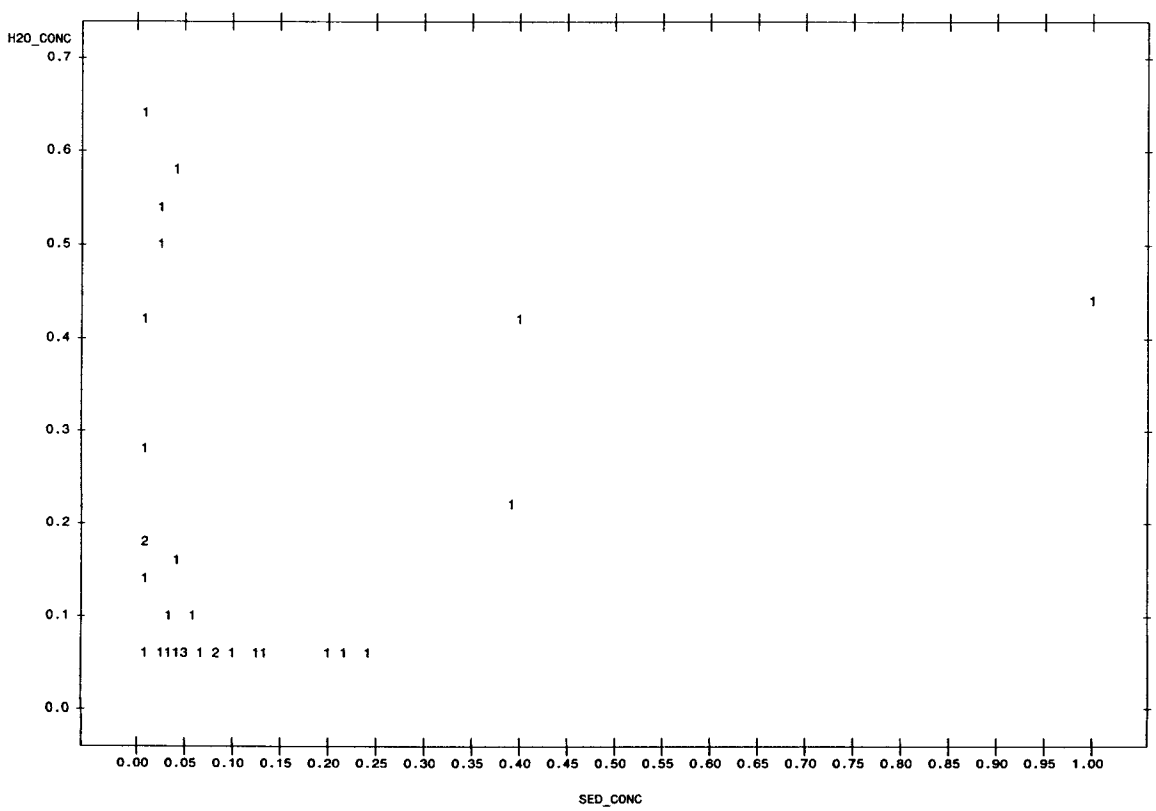
Source	DF	Sum of Squares	Mean Square	F Value	Prob>F
Model	1	0.03282	0.03282	0.928	0.3434
Error	29	1.02571	0.03537		
C Total	30	1.05853			

Root MSE	0.18807	R-square	0.0310
Dep Mean	0.18177	Adj R-sq	-0.0024
C.V.	103.46184		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	T for H0: Parameter=0	Prob > |T|
INTERCEP	1	0.162142	0.03944982	4.110	0.0003
SED_CONC	1	0.170629	0.17712695	0.963	0.3434

---------- NAME OF FORMER VARIABLE=HG_D ----------



---------- NAME OF FORMER VARIABLE=HG_T ----------

Model: MODEL1
Dependent Variable: H2O_CONC

Analysis of Variance

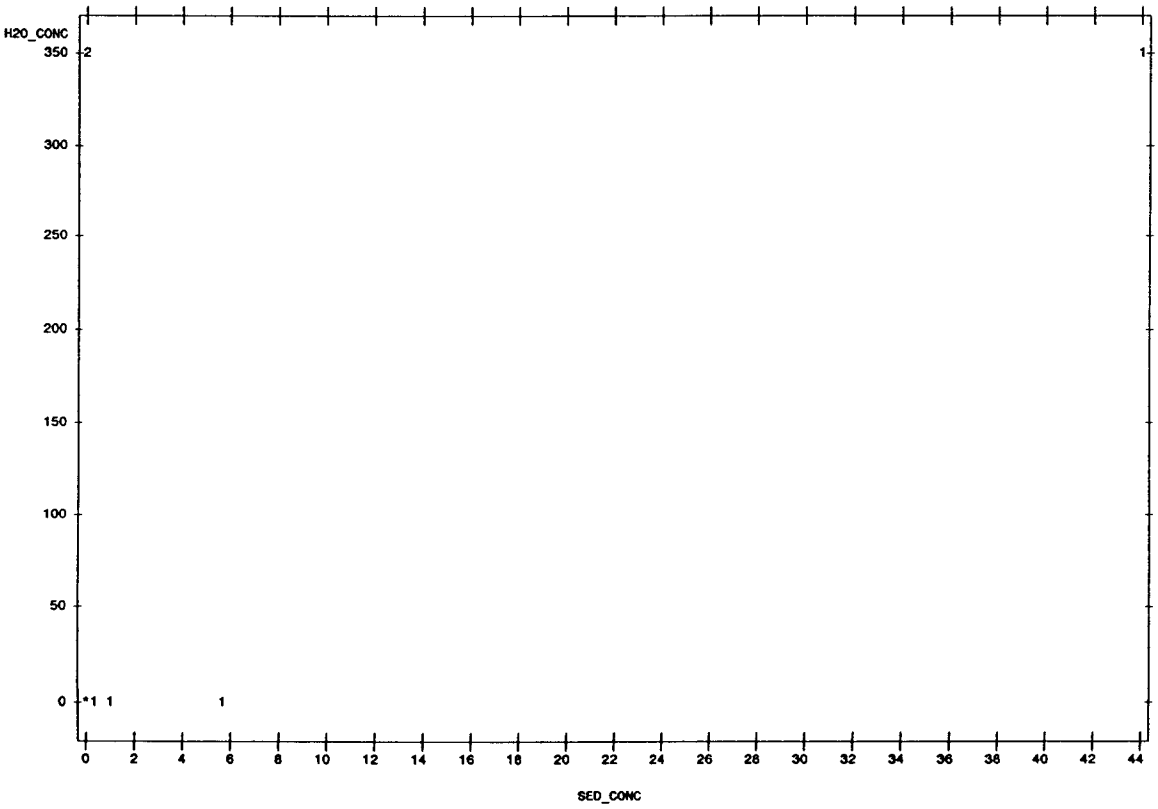
Source	DF	Sum of Squares	Mean Square	F Value	Prob>F
Model	1	91649.04058	91649.04058	7.618	0.0125
Error	19	228583.70587	12030.72136		
C Total	20	320232.74646			

Root MSE	109.68465	R-square	0.2862
Dep Mean	50.51857	Adj R-sq	0.2486
C.V.	217.11747		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	T for H0: Parameter=0	Prob > |T|
INTERCEP	1	32.894117	24.77229503	1.328	0.2000
SED_CONC	1	7.081457	2.56569195	2.760	0.0125

---------- NAME OF FORMER VARIABLE=HG_T ----------



---------- NAME OF FORMER VARIABLE=HIMWPAH ----------

Model: MODEL1
Dependent Variable: H2O_CONC

Analysis of Variance

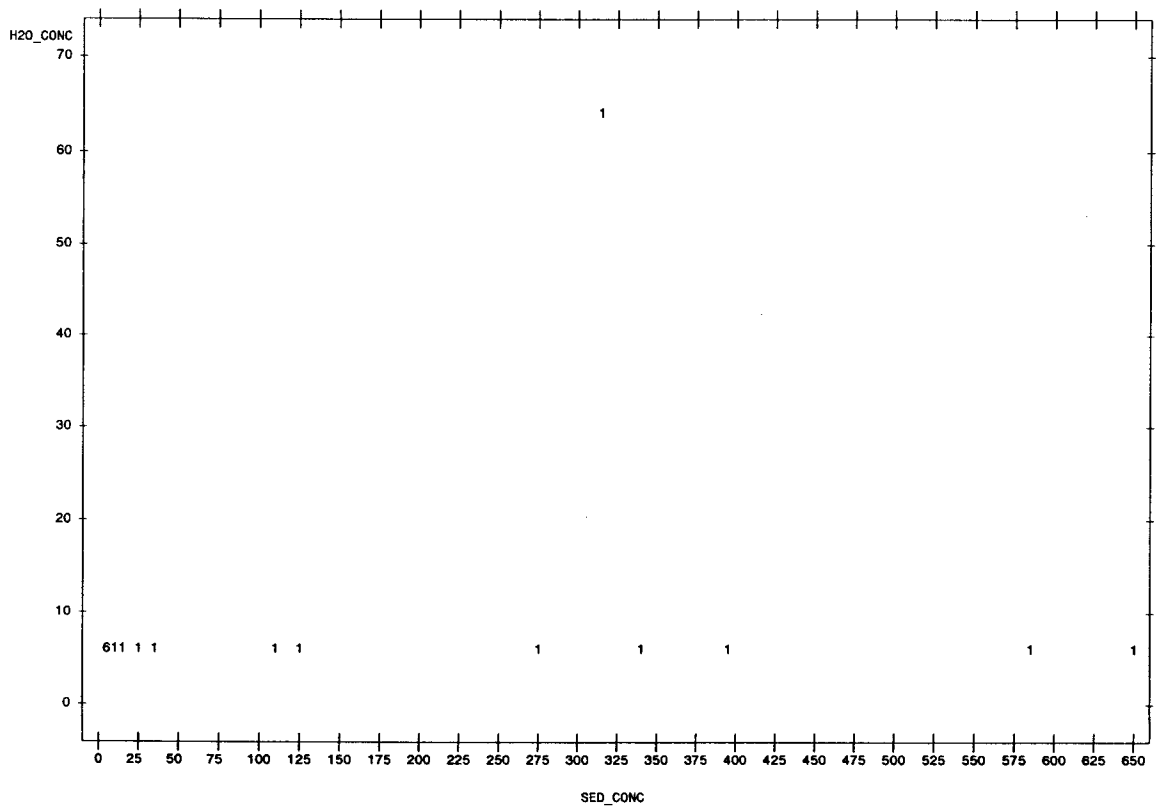
Source	DF	Sum of Squares	Mean Square	F Value	Prob>F
Model	1	106.20477	106.20477	0.534	0.4754
Error	16	3181.40634	198.83790		
C Total	17	3287.61111			

Root MSE	14.10099	R-square	0.0323
Dep Mean	8.27778	Adj R-sq	-0.0282
C.V.	170.34752		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	T for H0: Parameter=0	Prob > |T|
INTERCEP	1	6.383302	4.21497225	1.514	0.1494
SED_CONC	1	0.011729	0.01604831	0.731	0.4754

---------- NAME OF FORMER VARIABLE=HIMWPAH ----------



---------- NAME OF FORMER VARIABLE=I123CDP ----------

Model: MODEL1
Dependent Variable: H2O_CONC

Analysis of Variance

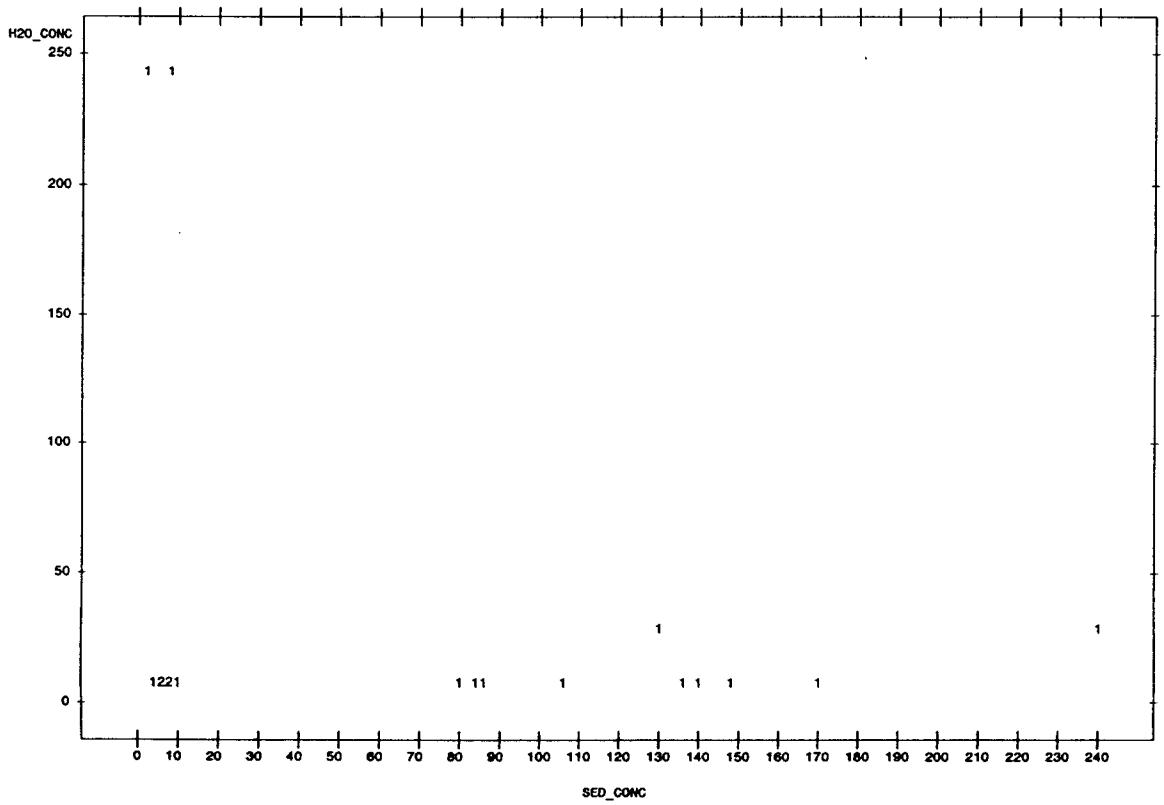
Source	DF	Sum of Squares	Mean Square	F Value	Prob>F
Model	1	9060.54447	9060.54447	1.653	0.2168
Error	16	87679.89997	5479.99375		
C Total	17	96740.44444			

Root MSE	74.02698	R-square	0.0937
Dep Mean	33.55556	Adj R-sq	0.0370
C.V.	220.61020		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	T for H0: Parameter=0	Prob > |T|
INTERCEP	1	57.553744	25.54931582	2.253	0.0387
SED_CONC	1	-0.315247	0.24516815	-1.286	0.2168

---------- NAME OF FORMER VARIABLE=I123CDP ----------



---------- NAME OF FORMER VARIABLE=LOMWPAH ----------

Model: MODEL1
Dependent Variable: H2O_CONC

Analysis of Variance

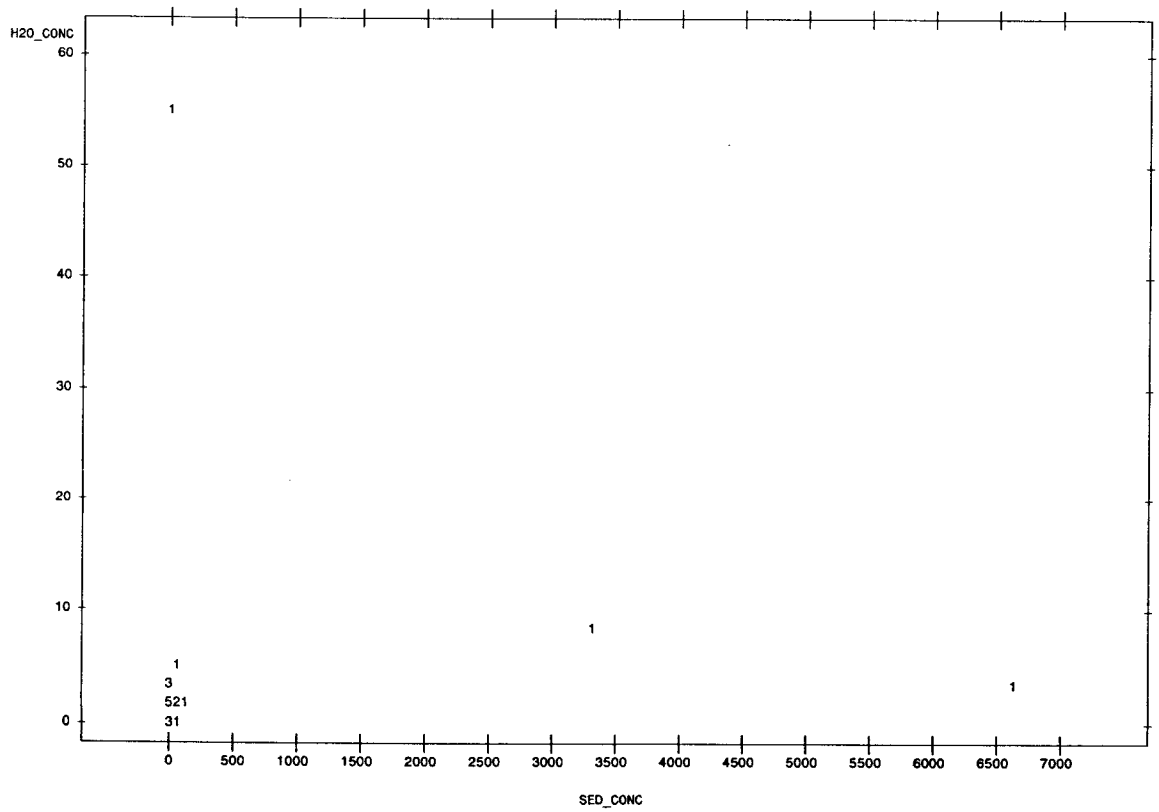
Source	DF	Sum of Squares	Mean Square	F Value	Prob>F
Model	1	0.44741	0.44741	0.003	0.9585
Error	17	2720.87116	160.05124		
C Total	18	2721.31857			

Root MSE	12.65114	R-square	0.0002
Dep Mean	4.99263	Adj R-sq	-0.0586
C.V.	253.39615		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	T for H0: Parameter=0	Prob > |T|
INTERCEP	1	4.940102	3.06771285	1.610	0.1257
SED_CONC	1	0.000095690	0.00180987	0.053	0.9585

---------- NAME OF FORMER VARIABLE=LOMWPAH ----------



---------- NAME OF FORMER VARIABLE=NAPHTHAL ----------

Model: MODEL1
Dependent Variable: H2O_CONC

Analysis of Variance

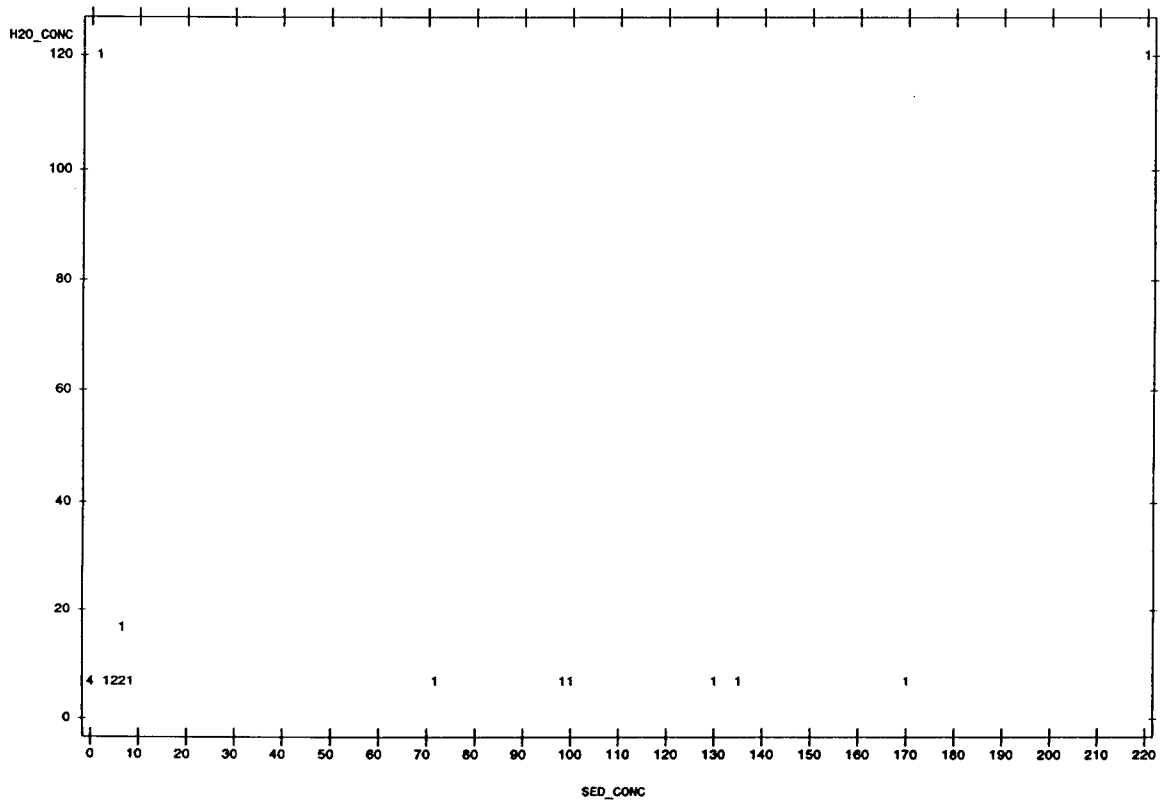
Source	DF	Sum of Squares	Mean Square	F Value	Prob>F
Model	1	1985.25413	1985.25413	1.568	0.2275
Error	17	21525.90377	1266.22963		
C Total	18	23511.15789			

Root MSE	35.58412	R-square	0.0844
Dep Mean	17.78947	Adj R-sq	0.0306
C.V.	200.02908		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	T for H0: Parameter=0	Prob > |T|
INTERCEP	1	10.149154	10.19195421	0.996	0.3333
SED_CONC	1	0.149983	0.11978191	1.252	0.2275

---------- NAME OF FORMER VARIABLE=NAPHTHAL ----------



---------- NAME OF FORMER VARIABLE=NI_D ----------

Model: MODEL1
Dependent Variable: H2O_CONC

Analysis of Variance

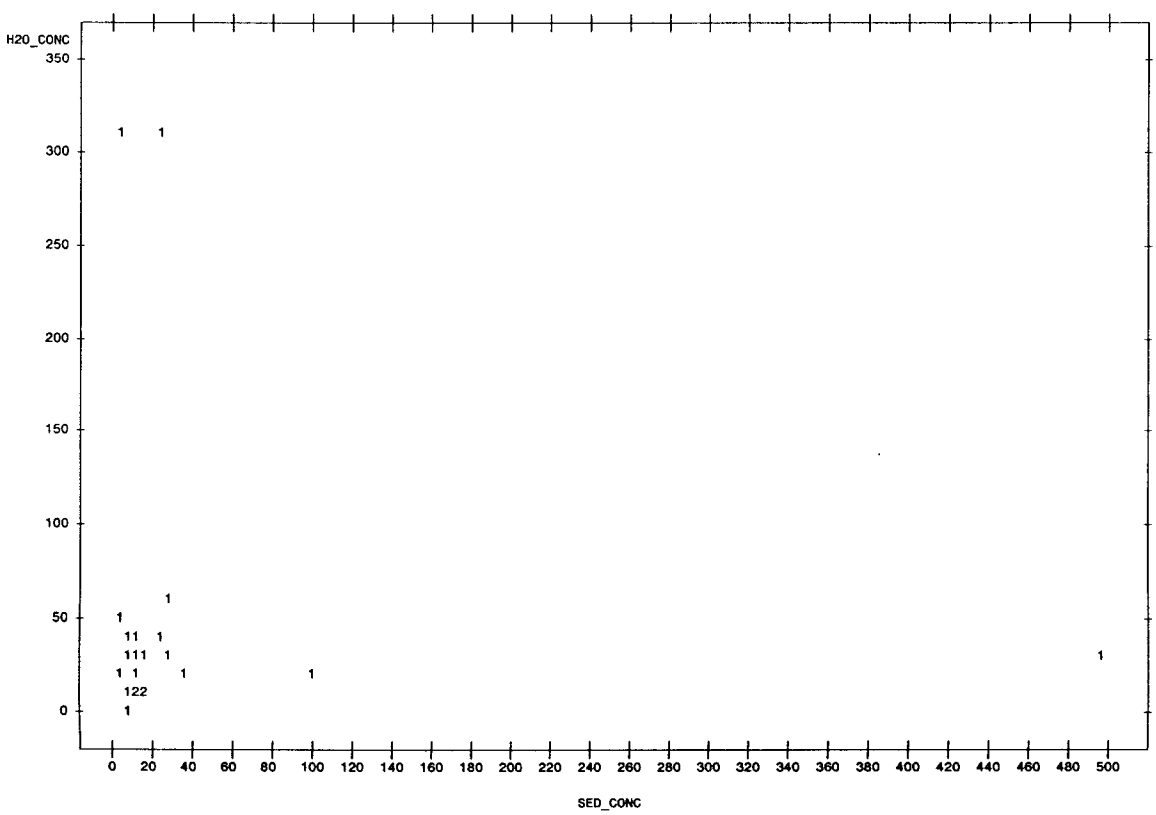
Source	DF	Sum of Squares	Mean Square	F Value	Prob>F
Model	1	803.29095	803.29095	0.105	0.7497
Error	20	153556.95496	7677.84775		
C Total	21	154360.24591			

Root MSE	87.62333	R-square	0.0052
Dep Mean	49.68636	Adj R-sq	-0.0445
C.V.	176.35287		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	T for H0: Parameter=0	Prob > |T|
INTERCEP	1	52.079731	20.09336286	2.592	0.0174
SED_CONC	1	-0.059765	0.18476822	-0.323	0.7497

---------- NAME OF FORMER VARIABLE=NI_D ----------



---------- NAME OF FORMER VARIABLE=NI_T ----------

Model: MODEL1
Dependent Variable: H2O_CONC

Analysis of Variance

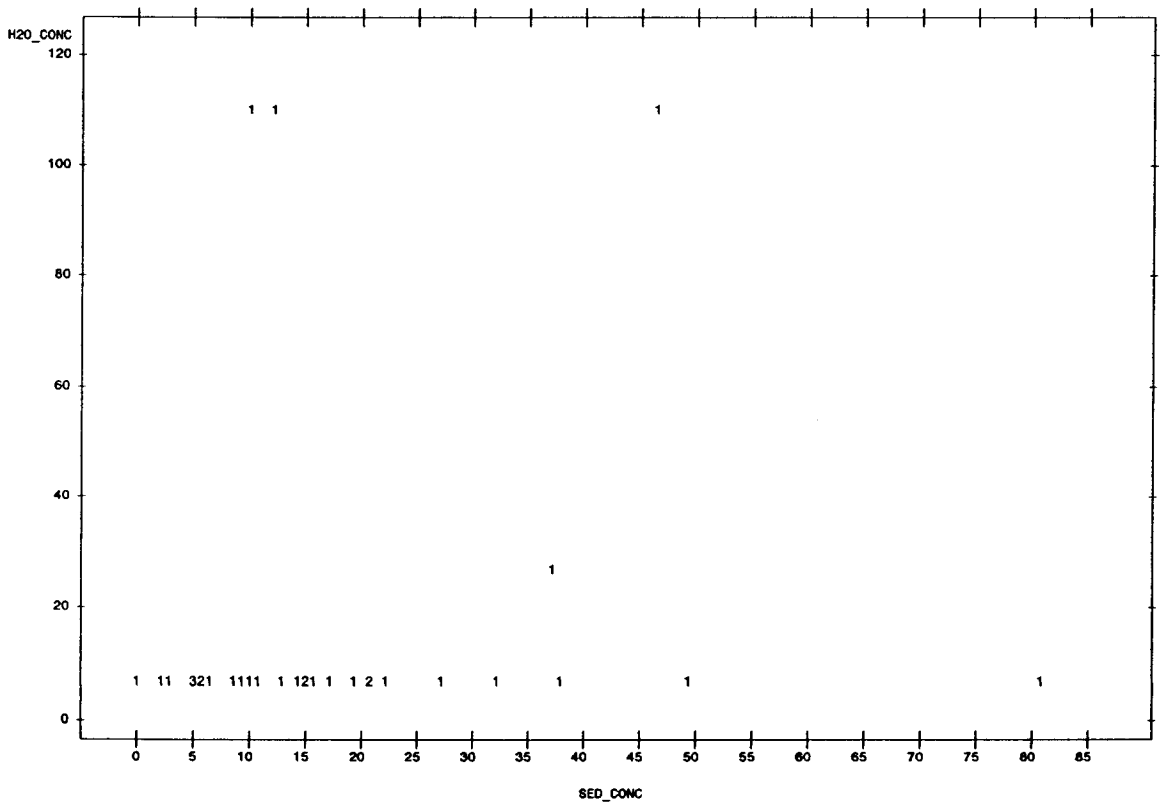
Source	DF	Sum of Squares	Mean Square	F Value	Prob>F
Model	1	383.61616	383.61616	0.389	0.5375
Error	30	29584.35259	986.14509		
C Total	31	29967.96875			

Root MSE	31.40295	R-square	0.0128
Dep Mean	15.46875	Adj R-sq	-0.0201
C.V.	203.00895		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	T for H0: Parameter=0	Prob > |T|
INTERCEP	1	11.720454	8.18132229	1.433	0.1623
SED_CONC	1	0.206133	0.33049786	0.624	0.5375

---------- NAME OF FORMER VARIABLE=NI_T ----------



---------- NAME OF FORMER VARIABLE=PB_D ----------

Model: MODEL1
Dependent Variable: H2O_CONC

Analysis of Variance

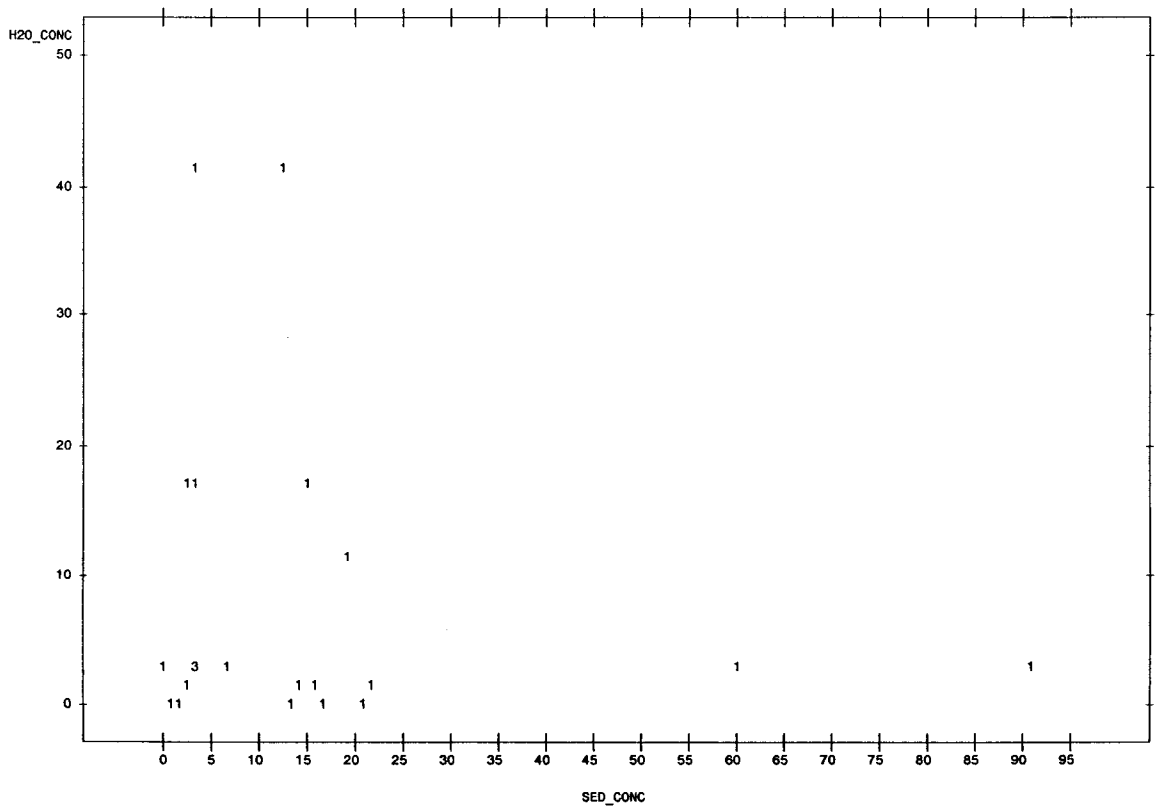
Source	DF	Sum of Squares	Mean Square	F Value	Prob>F
Model	1	80.44937	80.44937	0.507	0.4846
Error	20	3172.46653	158.62333		
C Total	21	3252.91590			

Root MSE	12.59458	R-square	0.0247
Dep Mean	7.72955	Adj R-sq	-0.0240
C.V.	162.94070		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	T for H0: Parameter=0	Prob > |T|
INTERCEP	1	9.111681	3.31311335	2.750	0.0123
SED_CONC	1	-0.091669	0.12871903	-0.712	0.4846

---------- NAME OF FORMER VARIABLE=PB_D ----------



---------- NAME OF FORMER VARIABLE=PB_T ----------

Model: MODEL1
Dependent Variable: H2O_CONC

Analysis of Variance

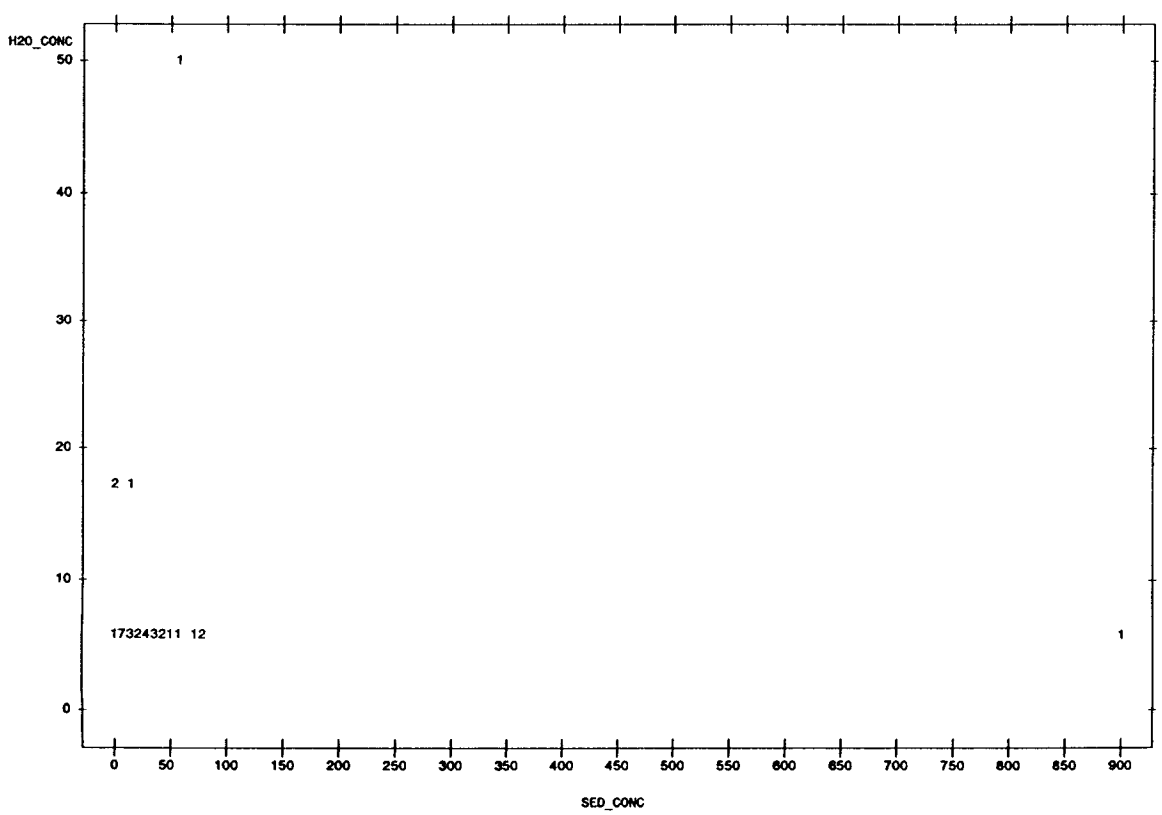
Source	DF	Sum of Squares	Mean Square	F Value	Prob>F
Model	1	4.06906	4.06906	0.054	0.8173
Error	30	2247.89969	74.92999		
C Total	31	2251.96875			

Root MSE	8.65621	R-square	0.0018
Dep Mean	7.53125	Adj R-sq	-0.0315
C.V.	114.93724		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	T for H0: Parameter=0	Prob > |T|
INTERCEP	1	7.658737	1.62506975	4.713	0.0001
SED_CONC	1	-0.002325	0.00997805	-0.233	0.8173

---------- NAME OF FORMER VARIABLE=PB_T ----------



---------- NAME OF FORMER VARIABLE=PCP ----------

Model: MODEL1
Dependent Variable: H2O_CONC

Analysis of Variance

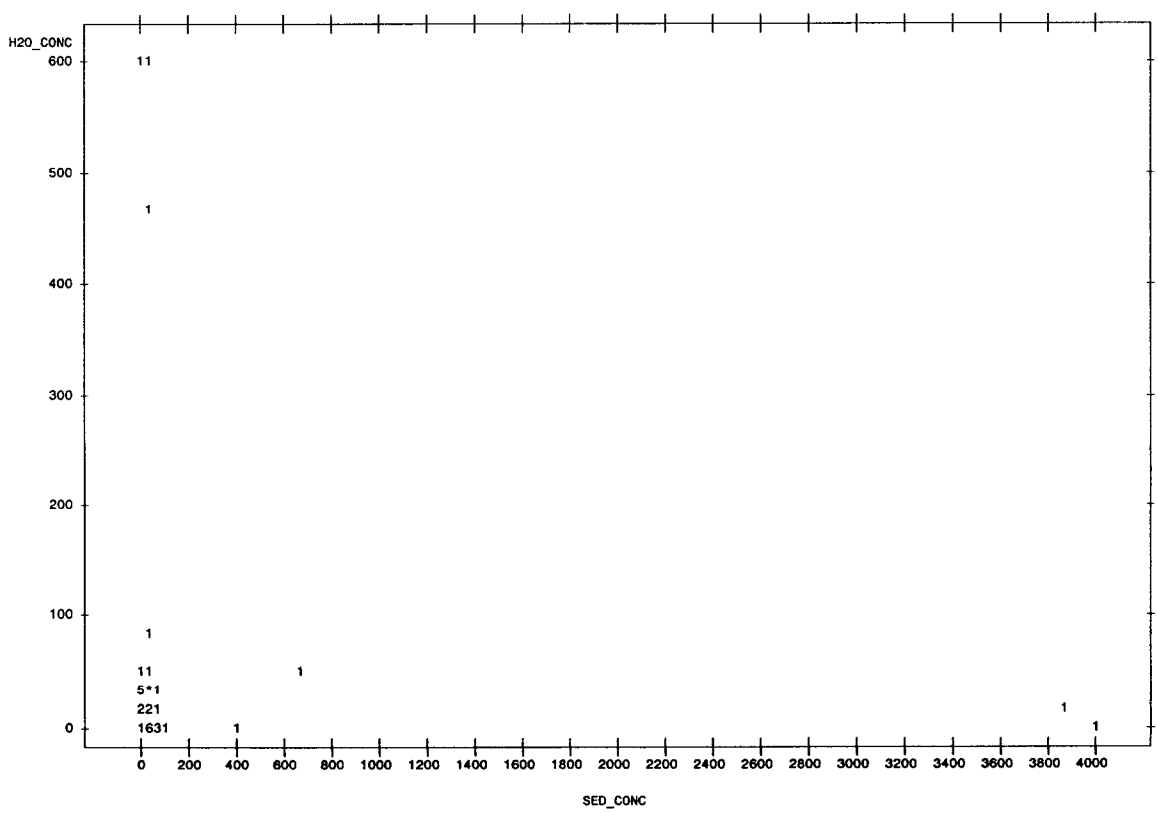
Source	DF	Sum of Squares	Mean Square	F Value	Prob>F
Model	1	4786.76879	4786.76879	0.246	0.6227
Error	42	818433.91302	19486.52174		
C Total	43	823220.68182			

Root MSE	139.59413	R-square	0.0058
Dep Mean	57.46364	Adj R-sq	-0.0179
C.V.	242.92603		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	T for H0: Parameter=0	Prob > |T|
INTERCEP	1	60.438306	21.88372979	2.762	0.0085
SED_CONC	1	-0.012821	0.02586923	-0.496	0.6227

---------- NAME OF FORMER VARIABLE=PCP ----------



---------- NAME OF FORMER VARIABLE=PHENANTH ----------

Model: MODEL1
Dependent Variable: H2O_CONC

Analysis of Variance

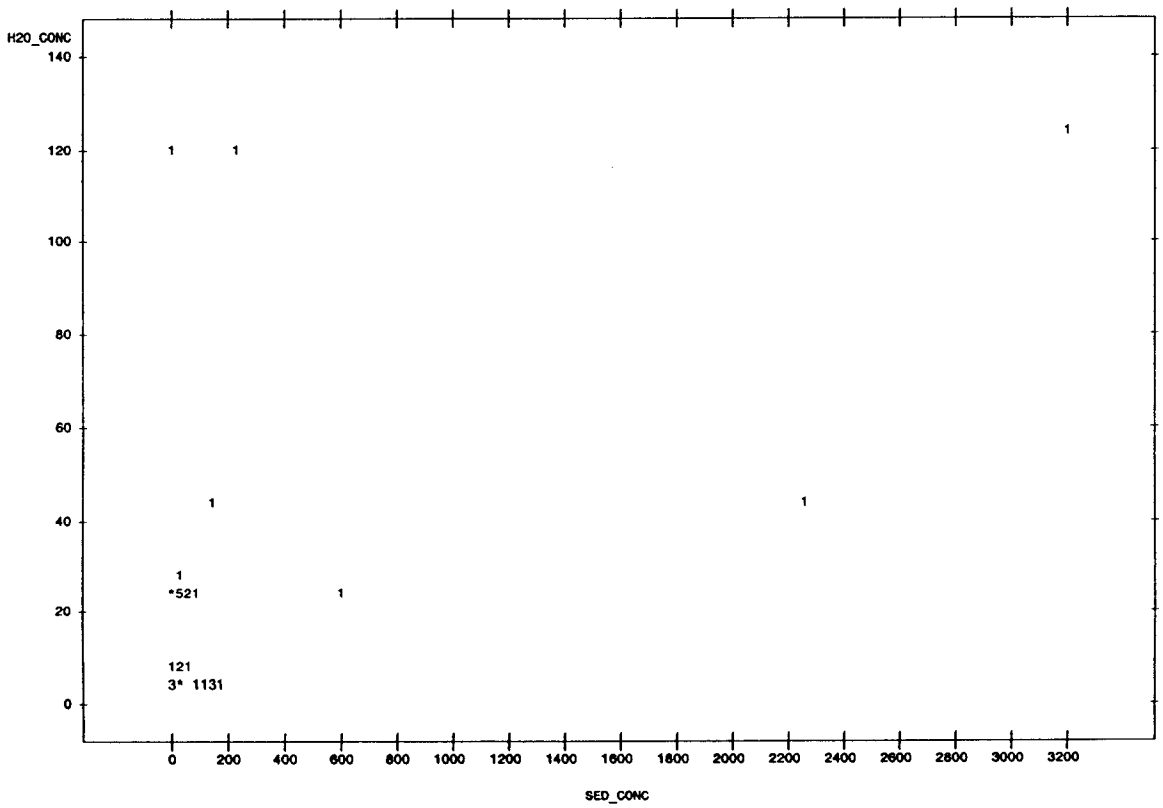
Source	DF	Sum of Squares	Mean Square	F Value	Prob>F
Model	1	9916.18806	9916.18806	17.053	0.0001
Error	47	27330.05684	581.49057		
C Total	48	37246.24490			

Root MSE	24.11412	R-square	0.2662
Dep Mean	22.51020	Adj R-sq	0.2506
C.V.	107.12526		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	T for H0: Parameter=0	Prob > |T|
INTERCEP	1	18.227787	3.59757817	5.067	0.0001
SED_CONC	1	0.026077	0.00631468	4.130	0.0001

---------- NAME OF FORMER VARIABLE=PHENANTH ----------



---------- NAME OF FORMER VARIABLE=PHENOL ----------

Model: MODEL1
Dependent Variable: H2O_CONC

Analysis of Variance

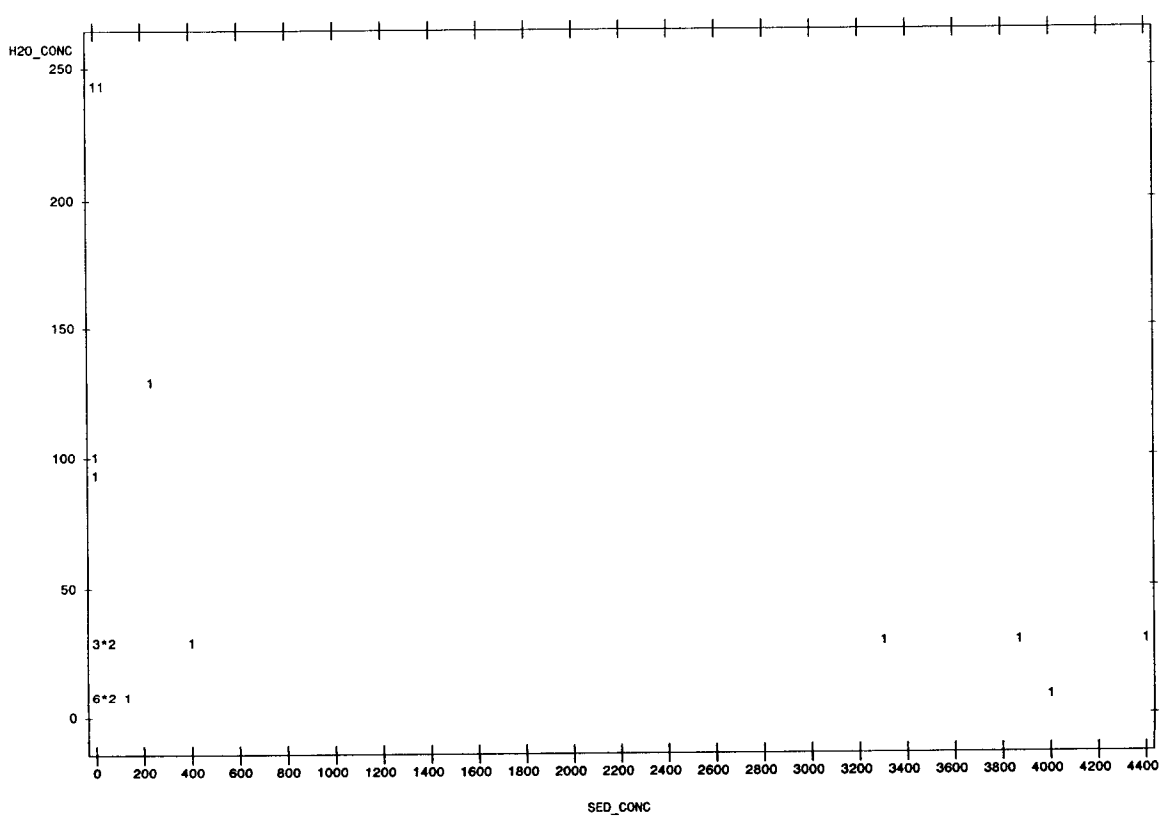
Source	DF	Sum of Squares	Mean Square	F Value	Prob>F
Model	1	484.32680	484.32680	0.179	0.6746
Error	44	119315.67320	2711.71985		
C Total	45	119800.00000			

Root MSE	52.07418	R-square	0.0040
Dep Mean	31.00000	Adj R-sq	-0.0186
C.V.	167.98121		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	T for H0: Parameter=0	Prob > |T|
INTERCEP	1	32.130950	8.13091348	3.952	0.0003
SED_CONC	1	-0.002975	0.00704049	-0.423	0.6746

---------- NAME OF FORMER VARIABLE=PHENOL ----------



---------- NAME OF FORMER VARIABLE=PYRENE ----------

Model: MODEL1
Dependent Variable: H2O_CONC

Analysis of Variance

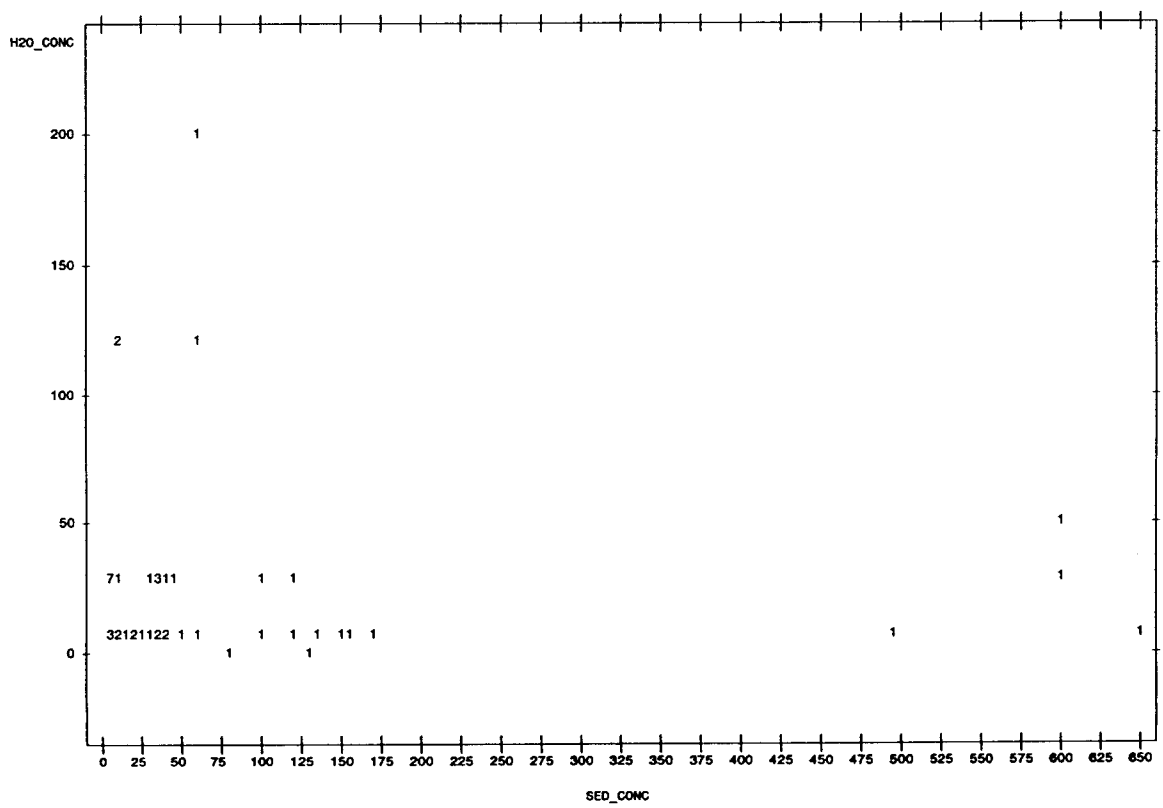
Source	DF	Sum of Squares	Mean Square	F Value	Prob>F
Model	1	194.11098	194.11098	0.130	0.7202
Error	46	68753.86819	1494.64931		
C Total	47	68947.97917			

Root MSE	38.66069	R-square	0.0028
Dep Mean	24.14583	Adj R-sq	-0.0189
C.V.	160.11332		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	T for H0: Parameter=0	Prob > |T|
INTERCEP	1	25.321615	6.46401169	3.917	0.0003
SED_CONC	1	-0.012831	0.03560488	-0.360	0.7202

---------- NAME OF FORMER VARIABLE=PYRENE ----------



---------- NAME OF FORMER VARIABLE=SE_D ----------

Model: MODEL1
Dependent Variable: H2O_CONC

Analysis of Variance

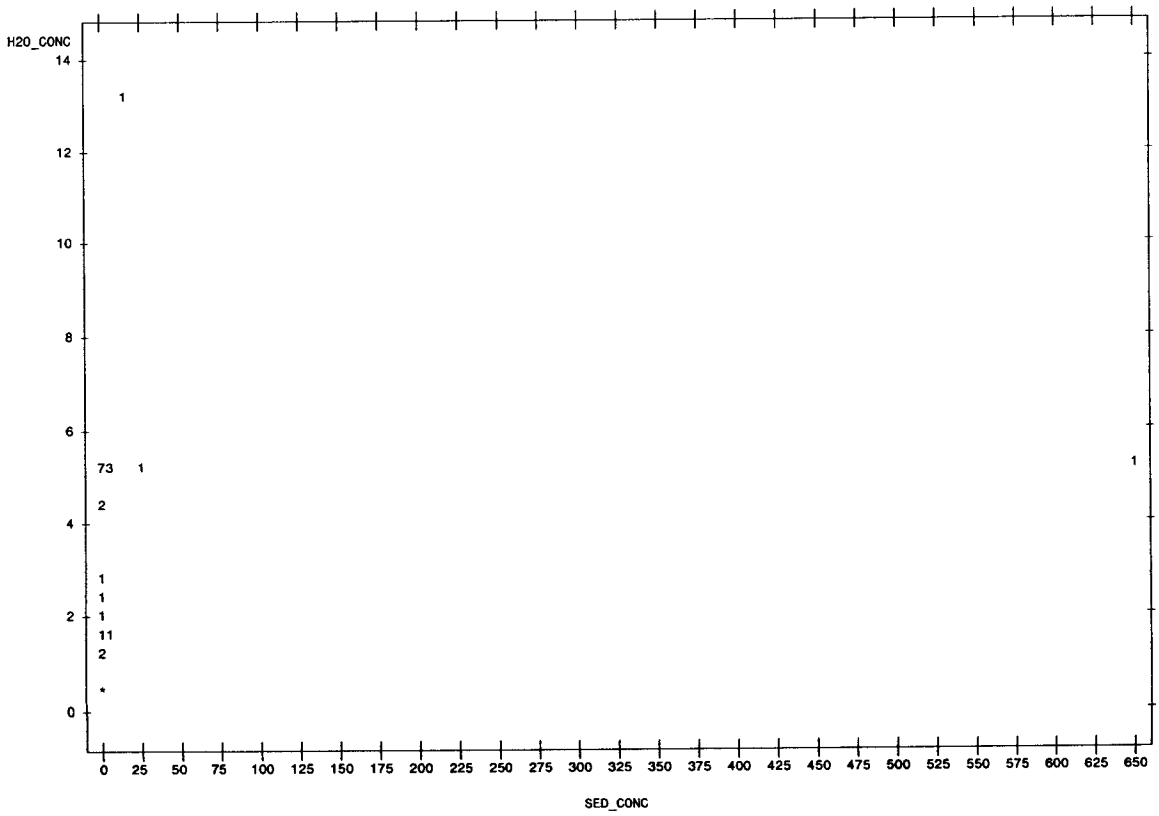
Source	DF	Sum of Squares	Mean Square	F Value	Prob>F
Model	1	5.38336	5.38336	0.728	0.3999
Error	31	229.09543	7.39018		
C Total	32	234.47879			

Root MSE	2.71849	R-square	0.0230
Dep Mean	3.00606	Adj R-sq	-0.0086
C.V.	90.43356		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	T for H0: Parameter=0	Prob > |T|
INTERCEP	1	2.927594	0.48207575	6.073	0.0001
SED_CONC	1	0.003633	0.00425607	0.853	0.3999

---------- NAME OF FORMER VARIABLE=SE_D ----------



---------- NAME OF FORMER VARIABLE=SE_T ----------

Model: MODEL1
Dependent Variable: H2O_CONC

Analysis of Variance

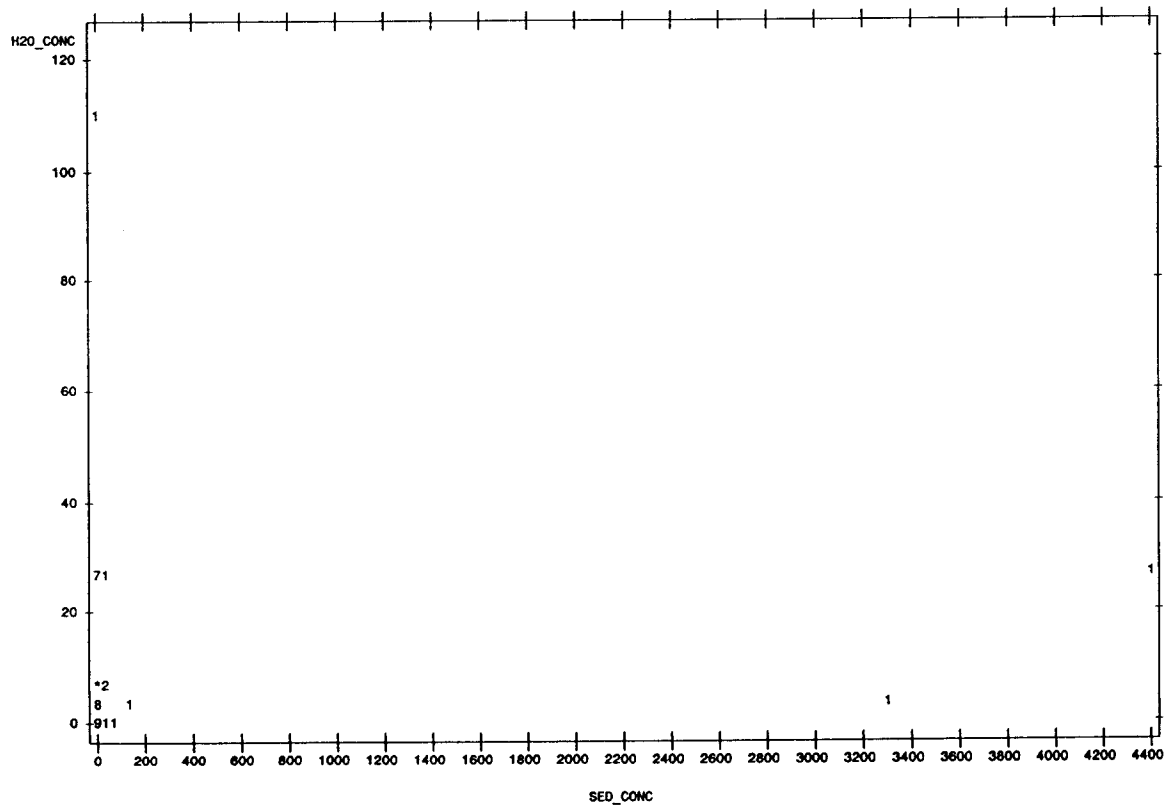
Source	DF	Sum of Squares	Mean Square	F Value	Prob>F
Model	1	77.08348	77.08348	0.288	0.5939
Error	52	13925.93522	267.80645		
C Total	53	14003.01870			

Root MSE	16.36479	R-square	0.0055
Dep Mean	9.02407	Adj R-sq	-0.0136
C.V.	181.34595		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	T for H0: Parameter=0	Prob > |T|
INTERCEP	1	8.776001	2.27446357	3.858	0.0003
SED_CONC	1	0.001629	0.00303727	0.537	0.5939

---------- NAME OF FORMER VARIABLE=SE_T ----------



---------- NAME OF FORMER VARIABLE=TDDT ----------

Model: MODEL1
Dependent Variable: H2O_CONC

Analysis of Variance

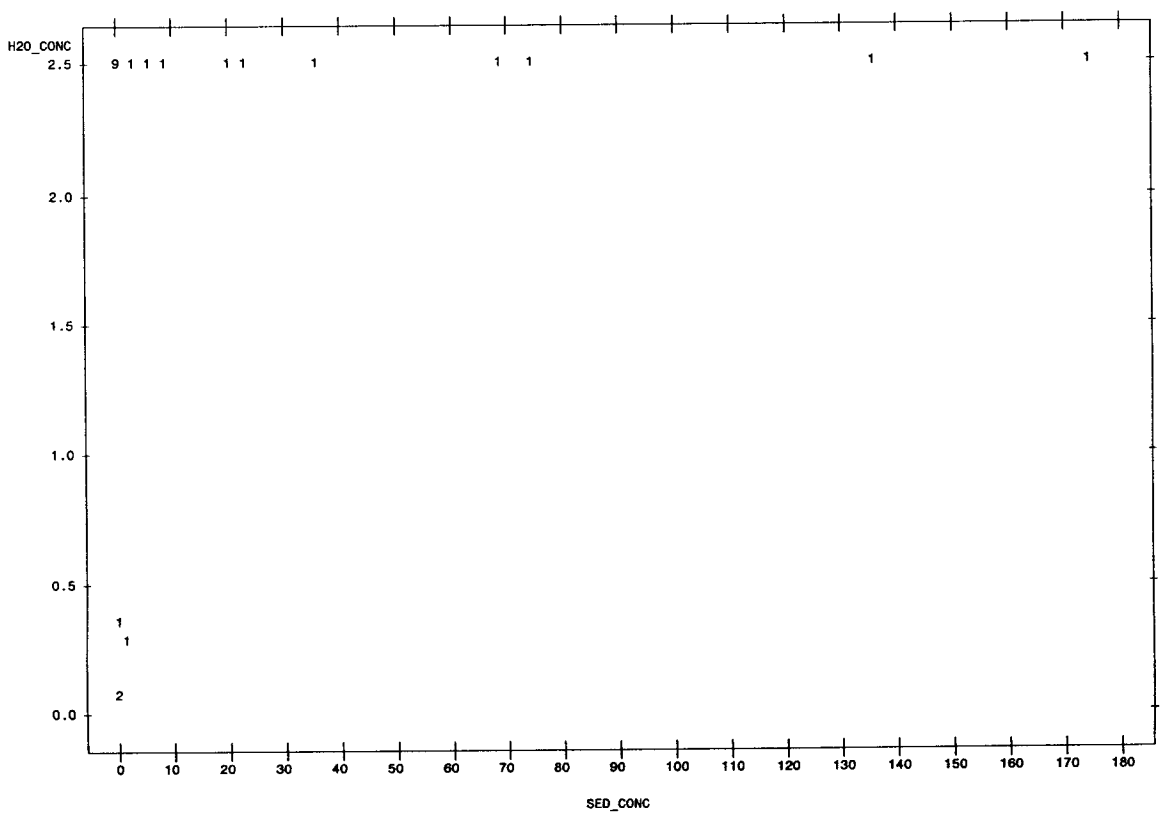
Source	DF	Sum of Squares	Mean Square	F Value	Prob>F
Model	1	0.99313	0.99313	1.250	0.2762
Error	21	16.68918	0.79472		
C Total	22	17.68231			

Root MSE	0.89147	R-square	0.0562
Dep Mean	2.09852	Adj R-sq	0.0112
C.V.	42.48097		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	T for H0: Parameter=0	Prob > |T|
INTERCEP	1	1.988843	0.21018898	9.462	0.0001
SED_CONC	1	0.004565	0.00408399	1.118	0.2762

---------- NAME OF FORMER VARIABLE=TDDT ----------



---------- NAME OF FORMER VARIABLE=TH_D ----------

Model: MODEL1
Dependent Variable: H2O_CONC

Analysis of Variance

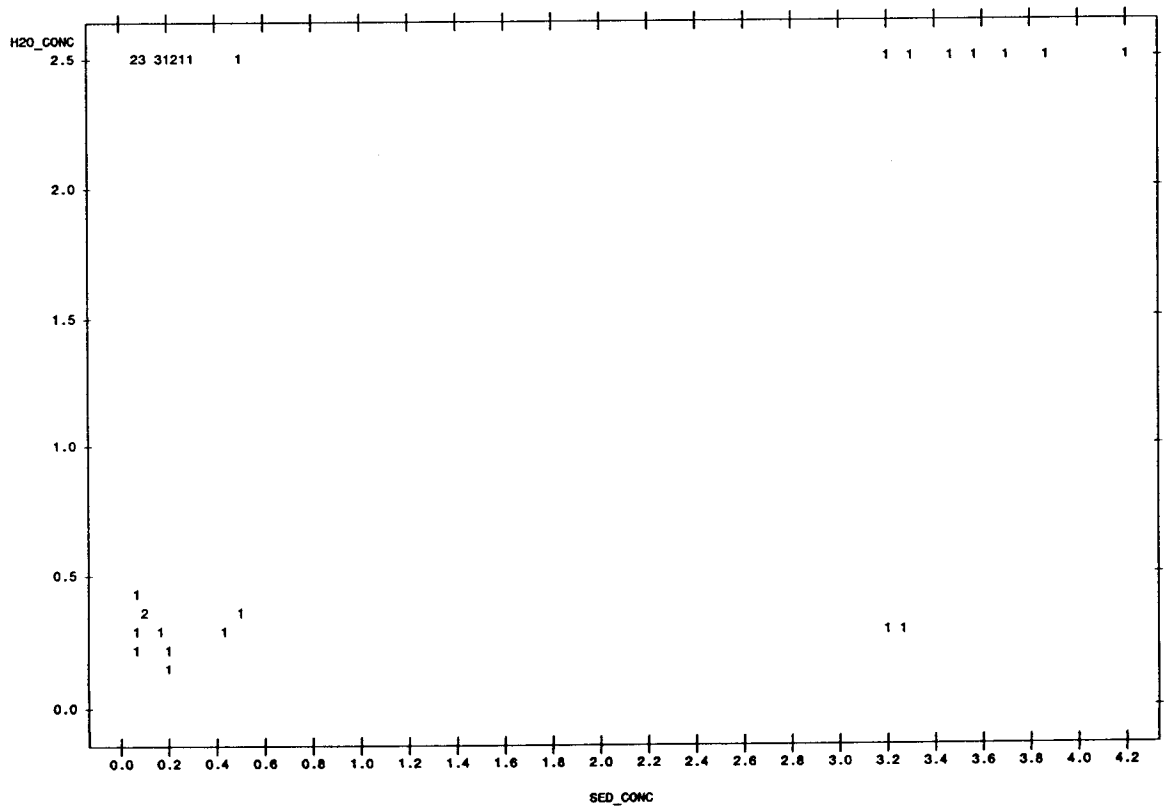
Source	DF	Sum of Squares	Mean Square	F Value	Prob>F
Model	1	1.53608	1.53608	1.347	0.2547
Error	31	35.36075	1.14067		
C Total	32	36.89682			

Root MSE	1.06802	R-square	0.0416
Dep Mean	1.70152	Adj R-sq	0.0107
C.V.	62.76883		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	T for H0: Parameter=0	Prob > |T|
INTERCEP	1	1.543123	0.23064221	6.691	0.0001
SED_CONC	1	0.144092	0.12416925	1.160	0.2547

---------- NAME OF FORMER VARIABLE=TH_D ----------



---------- NAME OF FORMER VARIABLE=TL_T ----------

Model: MODEL1
Dependent Variable: H2O_CONC

Analysis of Variance

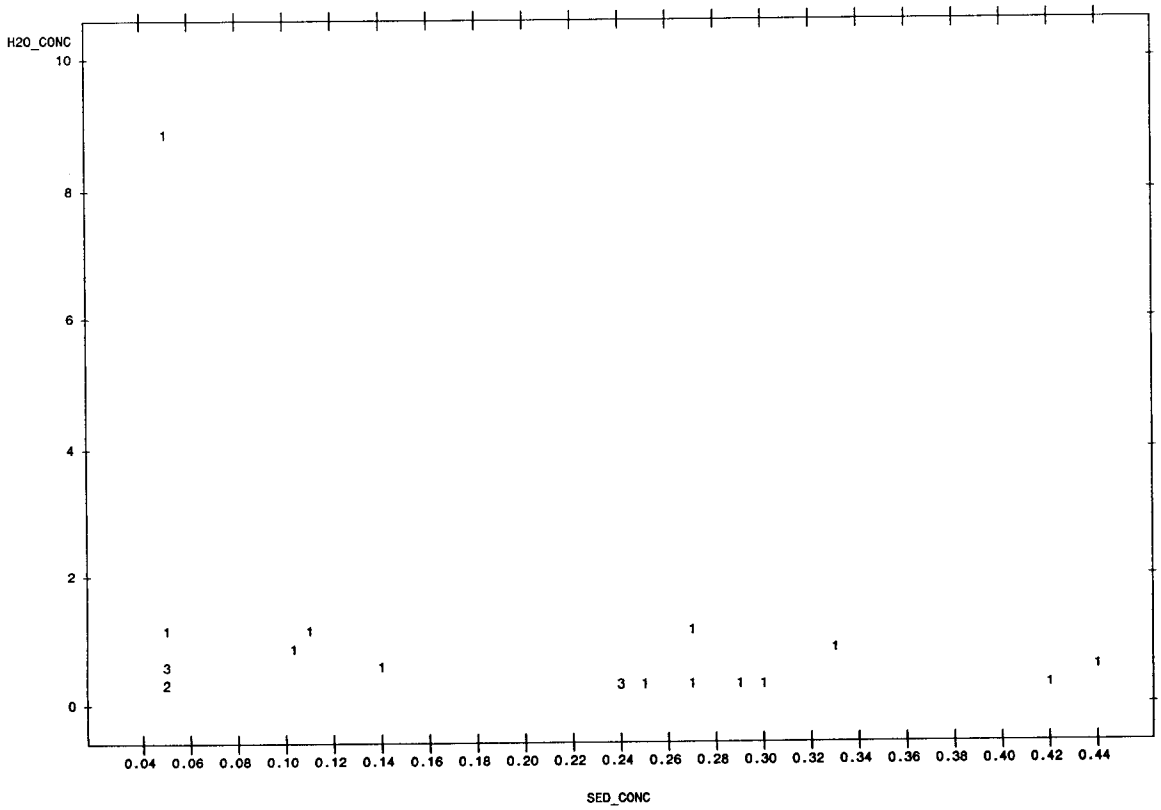
Source	DF	Sum of Squares	Mean Square	F Value	Prob>F
Model	1	6.25834	6.25834	1.909	0.1831
Error	19	62.27536	3.27765		
C Total	20	68.53370			

Root MSE	1.81043	R-square	0.0913
Dep Mean	0.93048	Adj R-sq	0.0435
C.V.	194.57008		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	T for H0: Parameter=0	Prob > |T|
INTERCEP	1	1.752161	0.71391876	2.454	0.0239
SED_CONC	1	-4.322851	3.12839817	-1.382	0.1831

---------- NAME OF FORMER VARIABLE=TL_T ----------



---------- NAME OF FORMER VARIABLE=TOXAPHEN ----------

Model: MODEL1
Dependent Variable: H2O_CONC

Analysis of Variance

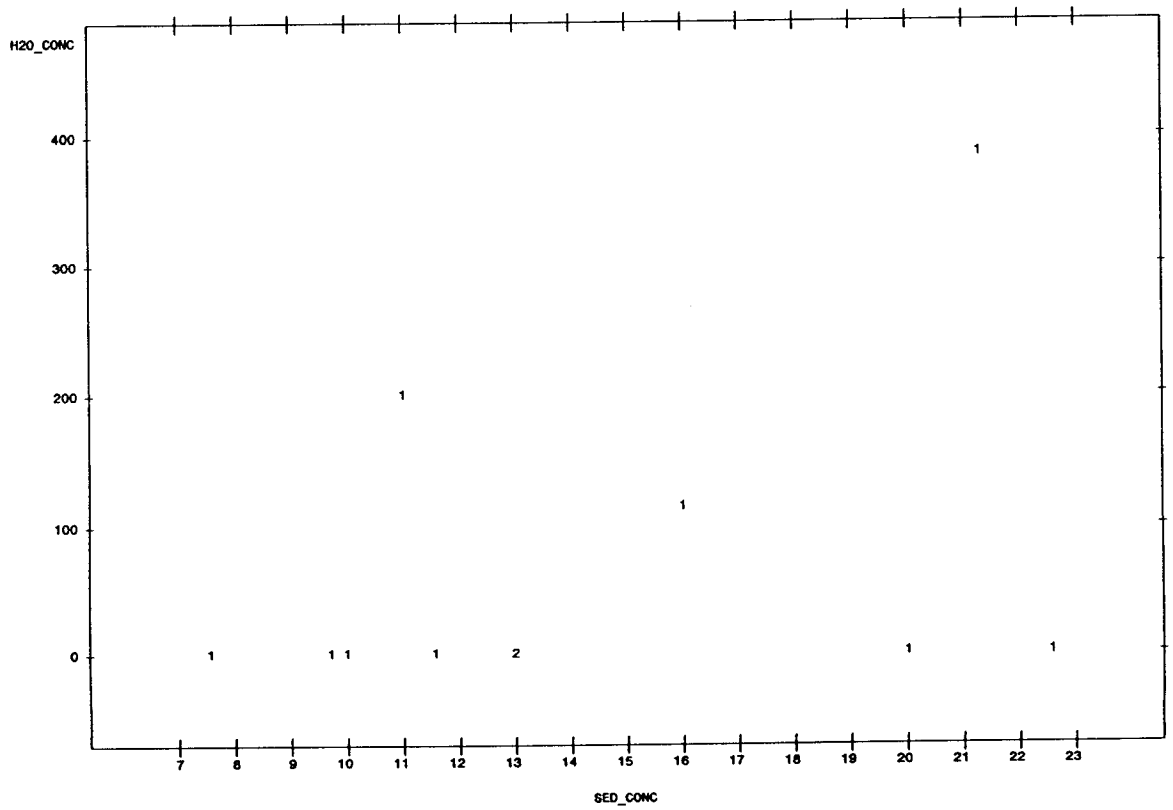
Source	DF	Sum of Squares	Mean Square	F Value	Prob>F
Model	1	20495.20827	20495.20827	1.382	0.2700
Error	9	133511.96844	14834.66316		
C Total	10	154007.17670			

Root MSE	121.79763	R-square	0.1331
Dep Mean	63.81364	Adj R-sq	0.0368
C.V.	190.86458		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	T for H0: Parameter=0	Prob > |T|
INTERCEP	1	-62.139970	113.27565102	-0.549	0.5966
SED_CONC	1	8.909901	7.58028571	1.175	0.2700

---------- NAME OF FORMER VARIABLE=TOXAPHEN ----------



---------- NAME OF FORMER VARIABLE=TPAH ----------

Model: MODEL1
Dependent Variable: H2O_CONC

Analysis of Variance

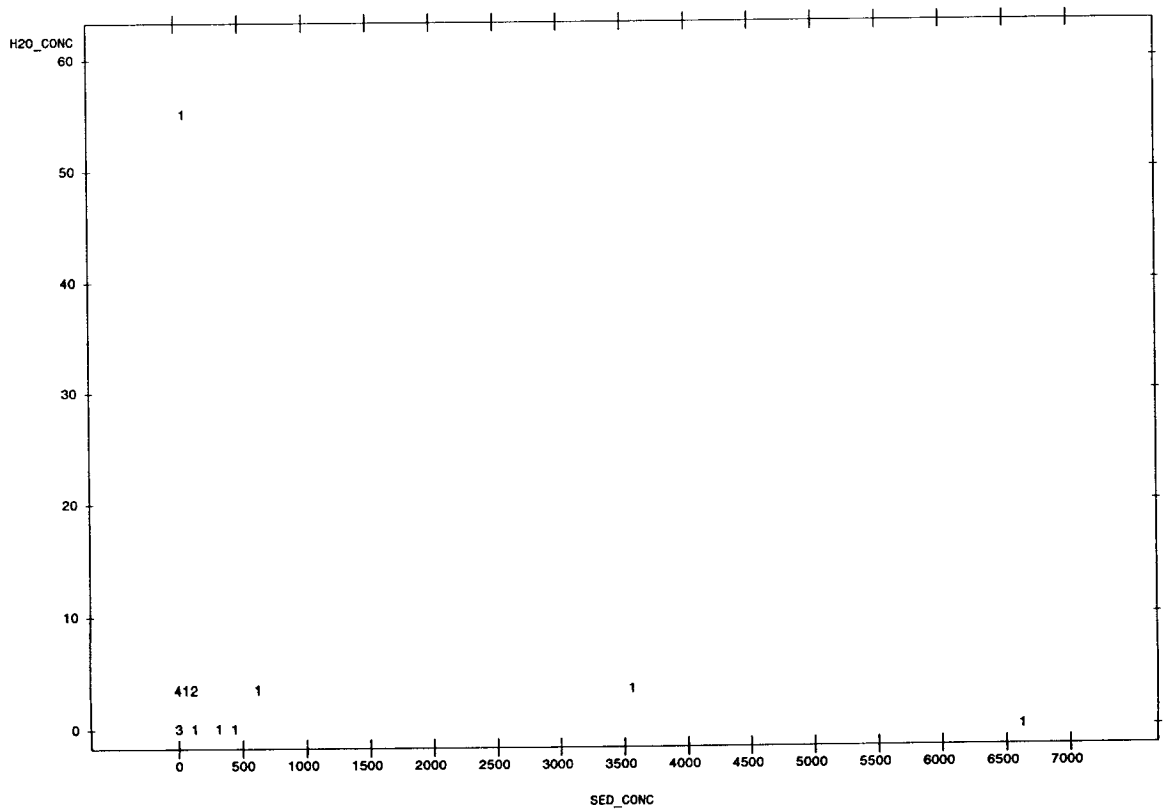
Source	DF	Sum of Squares	Mean Square	F Value	Prob>F
Model	1	32.98753	32.98753	0.184	0.6740
Error	15	2688.23043	179.21536		
C Total	16	2721.21796			

Root MSE	13.38713	R-square	0.0121
Dep Mean	4.60300	Adj R-sq	-0.0537
C.V.	290.83498		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	T for H0: Parameter=0	Prob > |T|
INTERCEP	1	5.185715	3.51949281	1.473	0.1613
SED_CONC	1	-0.000824	0.00191953	-0.429	0.6740

---------- NAME OF FORMER VARIABLE=TPAH ----------



---------- NAME OF FORMER VARIABLE=TPHDIES ----------

Model: MODEL1
Dependent Variable: H2O_CONC

Analysis of Variance

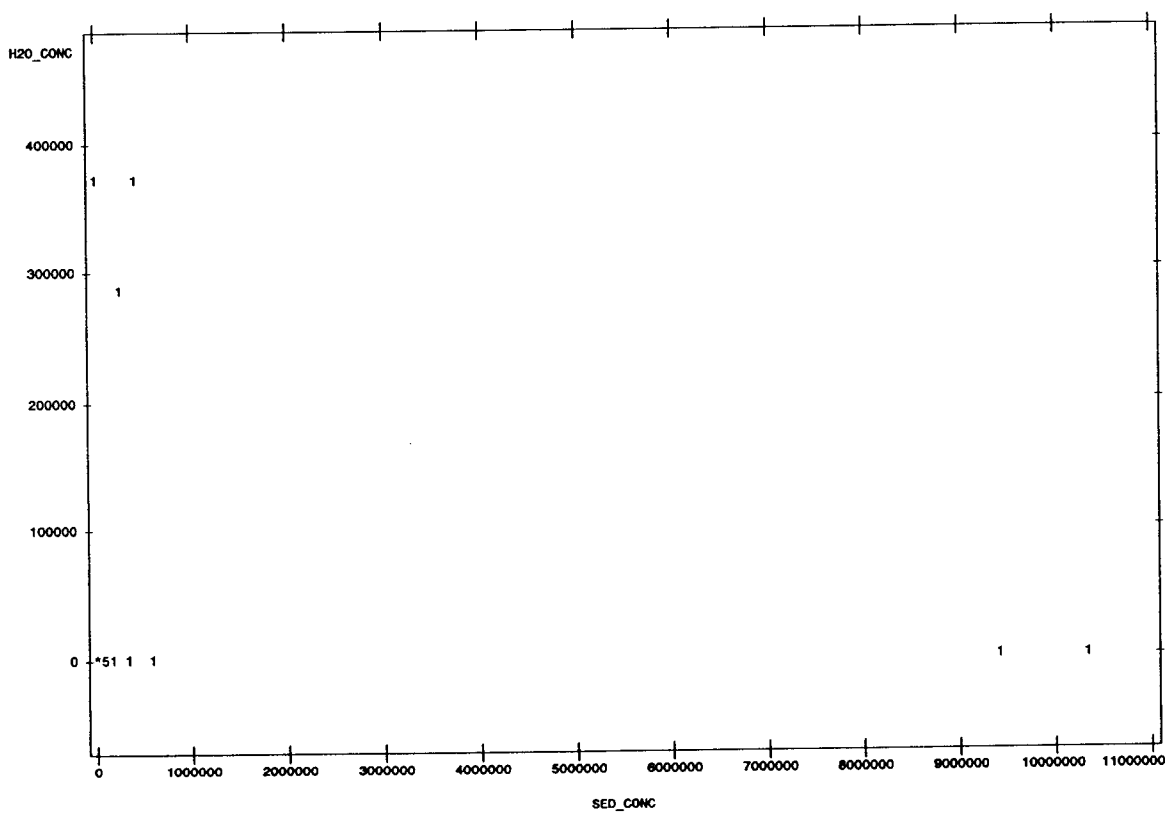
Source	DF	Sum of Squares	Mean Square	F Value	Prob>F
Model	1	618523821.15	618523821.15	0.078	0.7816
Error	41	325783968799	7945950458.5		
C Total	42	326402492620			

Root MSE	89140.06091	R-square	0.0019
Dep Mean	24544.79884	Adj R-sq	-0.0224
C.V.	363.17291		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	T for H0: Parameter=0	Prob > |T|
INTERCEP	1	25484	14004.381635	1.820	0.0761
SED_CONC	1	-0.001831	0.00656117	-0.279	0.7816

---------- NAME OF FORMER VARIABLE=TPHDIES ----------



---------- NAME OF FORMER VARIABLE=TPHENOL ----------

Model: MODEL1
Dependent Variable: H2O_CONC

Analysis of Variance

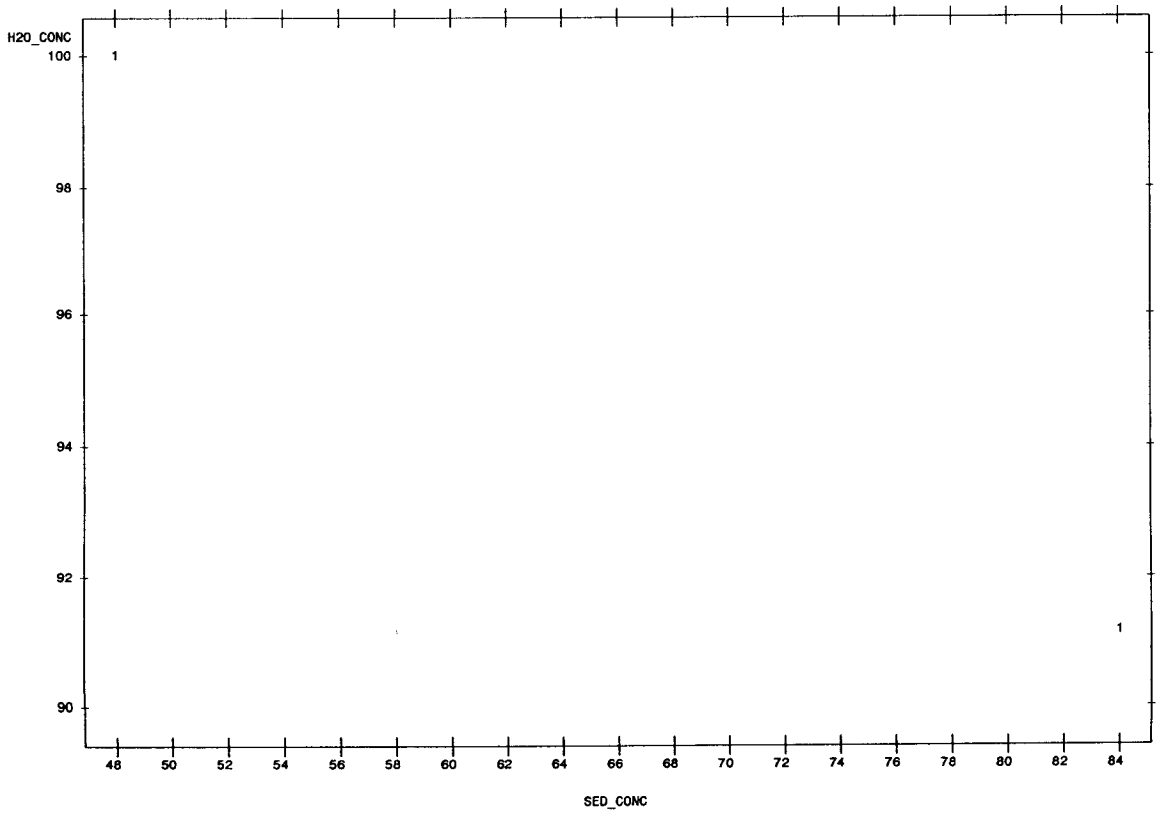
Source	DF	Sum of Squares	Mean Square	F Value	Prob>F
Model	1	40.50000	40.50000	.	.
Error	0	0.00000	.		
C Total	1	40.50000			

Root MSE	.	R-square	1.0000
Dep Mean	95.50000	Adj R-sq	.
C.V.	.		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	T for H0: Parameter=0	Prob > |T|
INTERCEP	1	112.000000	.	.	.
SED_CONC	1	-0.250000	.	.	.

---------- NAME OF FORMER VARIABLE=TPHENOL ----------



---------- NAME OF FORMER VARIABLE=V_D ----------

Model: MODEL1
Dependent Variable: H2O_CONC

Analysis of Variance

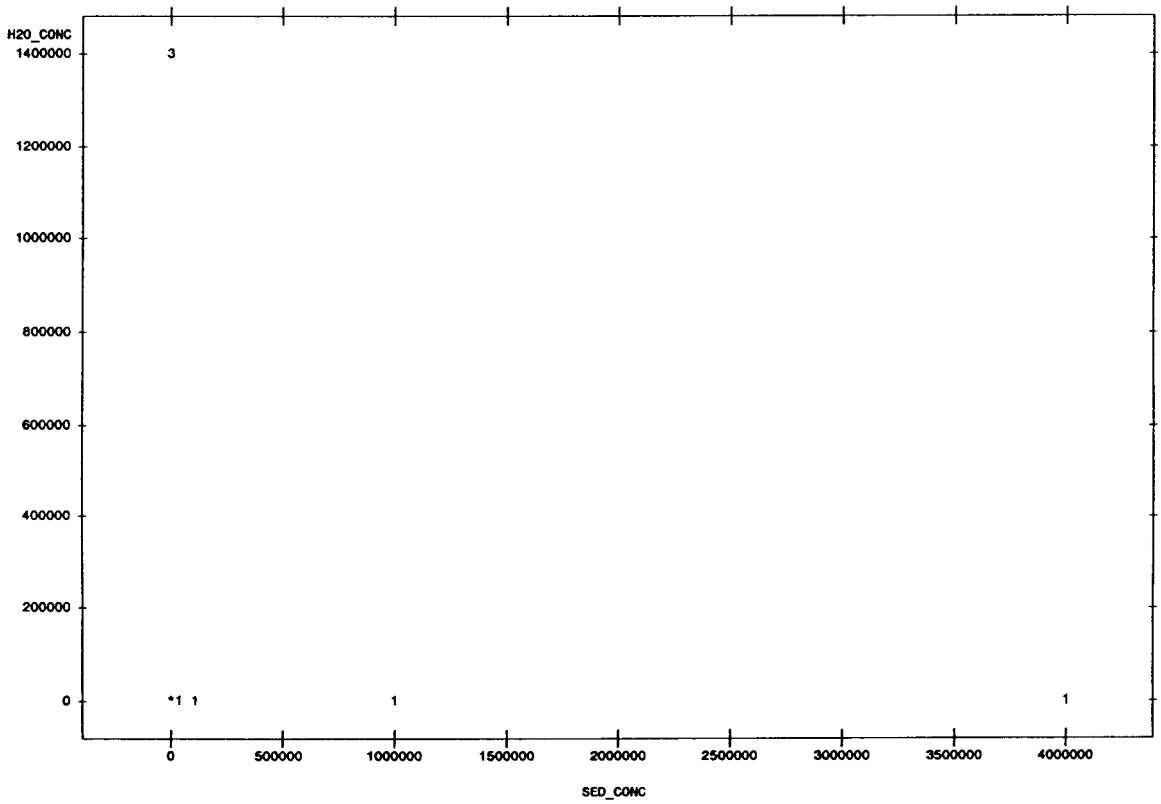
Source	DF	Sum of Squares	Mean Square	F Value	Prob>F
Model	1	28290983263	28290983263	0.160	0.6918
Error	30	5.2981533E12	176605110362		
C Total	31	5.3264443E12			

Root MSE	420244.10806	R-square	0.0053
Dep Mean	131525.85313	Adj R-sq	-0.0278
C.V.	319.51445		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	T for H0: Parameter=0	Prob > |T|
INTERCEP	1	138252	76166.334064	1.815	0.0795
SED_CONC	1	-0.041832	0.10451738	-0.400	0.6918

---------- NAME OF FORMER VARIABLE=V_D ----------



---------- NAME OF FORMER VARIABLE=V_T ----------

Model: MODEL1
Dependent Variable: H2O_CONC

Analysis of Variance

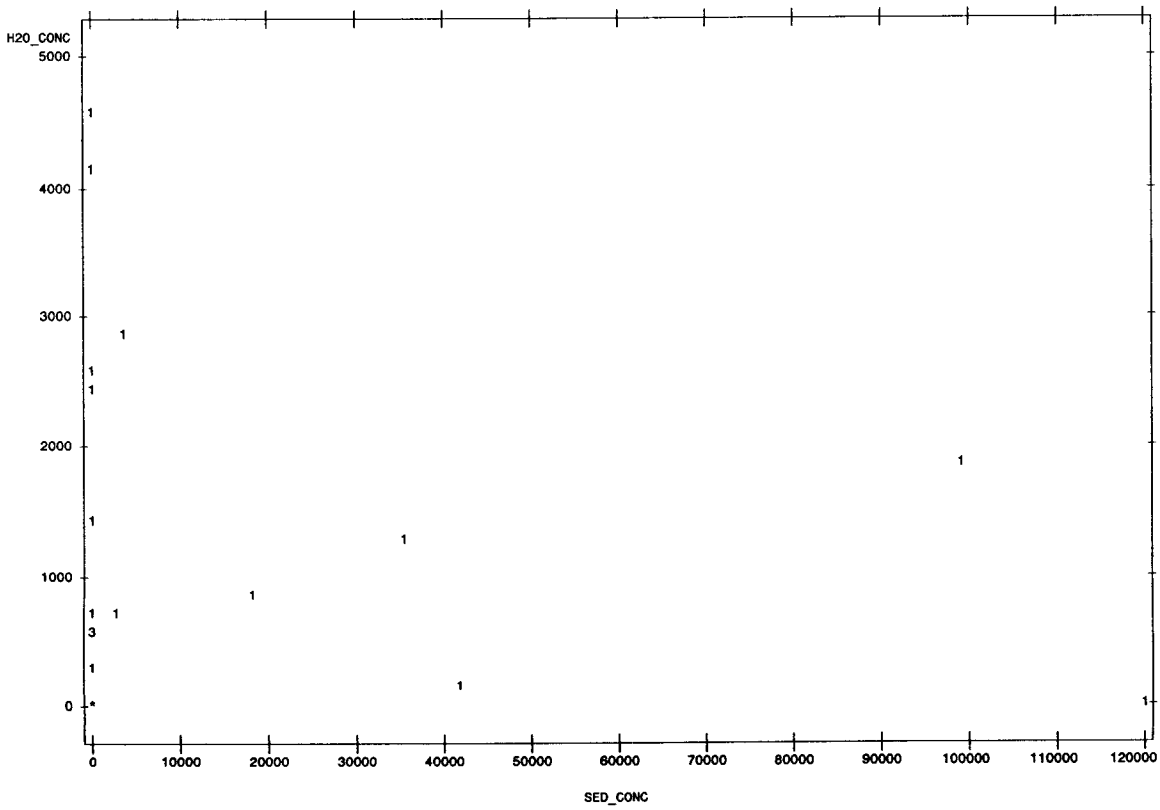
Source	DF	Sum of Squares	Mean Square	F Value	Prob>F
Model	1	2327.23703	2327.23703	0.001	0.9703
Error	28	46316552.563	1654162.5916		
C Total	29	46318879.8			

Root MSE	1286.14252	R-square	0.0001
Dep Mean	848.12250	Adj R-sq	-0.0357
C.V.	151.64584		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	T for H0: Parameter=0	Prob > |T|
INTERCEP	1	851.459700	251.10691969	3.391	0.0021
SED_CONC	1	-0.000311	0.00828028	-0.038	0.9703

---------- NAME OF FORMER VARIABLE=V_T ----------



---------- NAME OF FORMER VARIABLE=WO ----------

Model: MODEL1
Dependent Variable: H2O_CONC

Analysis of Variance

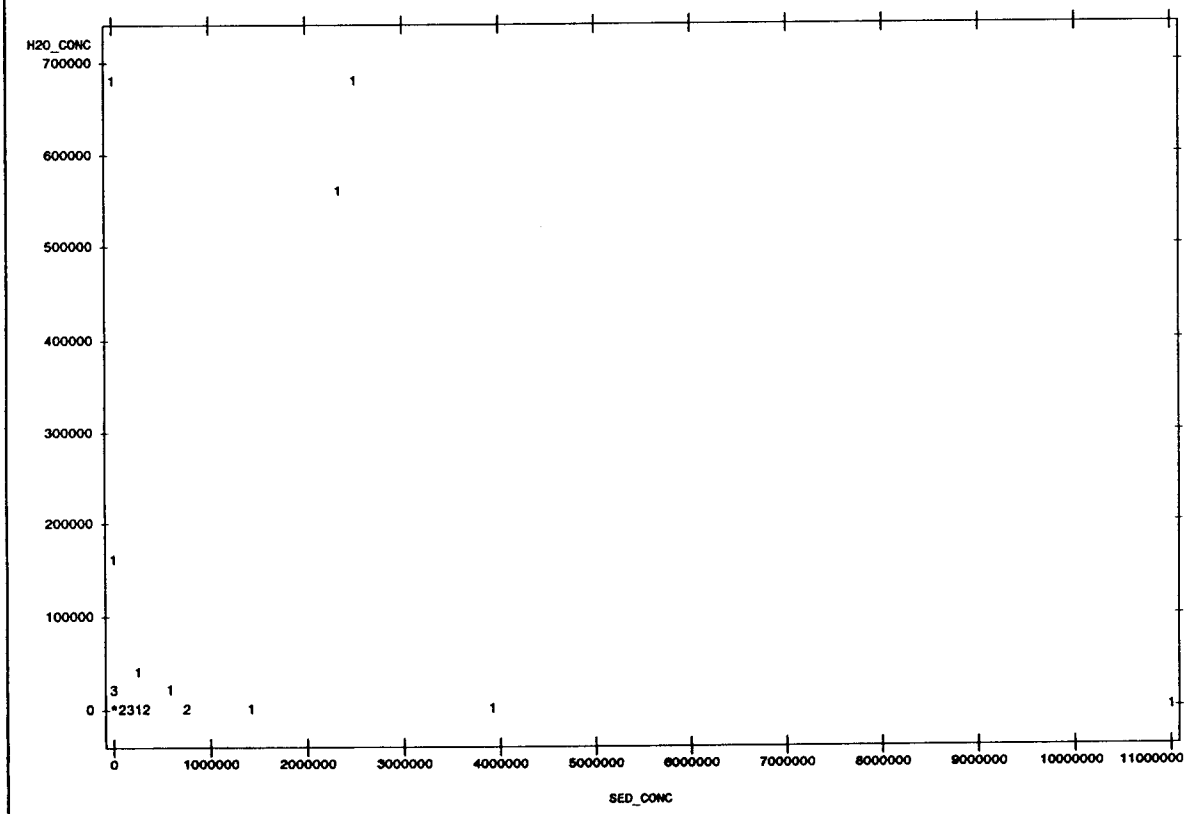
Source	DF	Sum of Squares	Mean Square	F Value	Prob>F
Model	1	21521531993	21521531993	0.808	0.3739
Error	42	1.1189413E12	26641458486		
C Total	43	1.1404628E12			

Root MSE	163222.11396	R-square	0.0189
Dep Mean	50297.87841	Adj R-sq	-0.0045
C.V.	324.51093		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	T for H0: Parameter=0	Prob > |T|
INTERCEP	1	43132	25865.966312	1.668	0.1028
SED_CONC	1	0.012522	0.01393218	0.899	0.3739

---------- NAME OF FORMER VARIABLE=WO ----------



---------- NAME OF FORMER VARIABLE=ZN_D ----------

Model: MODEL1
Dependent Variable: H2O_CONC

Analysis of Variance

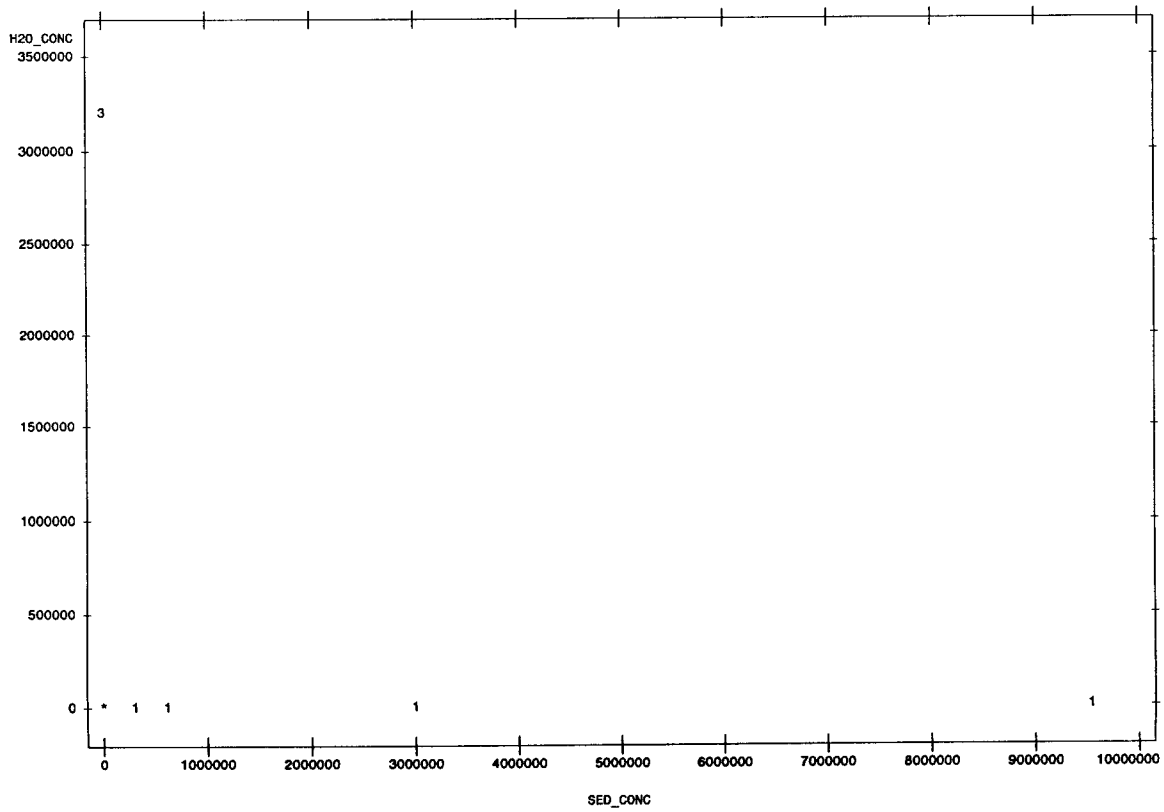
Source	DF	Sum of Squares	Mean Square	F Value	Prob>F
Model	1	172284926868	172284926868	0.187	0.6685
Error	30	2.7640686E13	921356198903		
C Total	31	2.7812971E13			

Root MSE	959873.01186	R-square	0.0062
Dep Mean	301420.75000	Adj R-sq	-0.0269
C.V.	318.44955		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	T for H0: Parameter=0	Prob > |T|
INTERCEP	1	319302	174648.96343	1.828	0.0775
SED_CONC	1	-0.042790	0.09895339	-0.432	0.6685

---------- NAME OF FORMER VARIABLE=ZN_D ----------



---------- NAME OF FORMER VARIABLE=ZN_T ----------

Model: MODEL1
Dependent Variable: H2O_CONC

Analysis of Variance

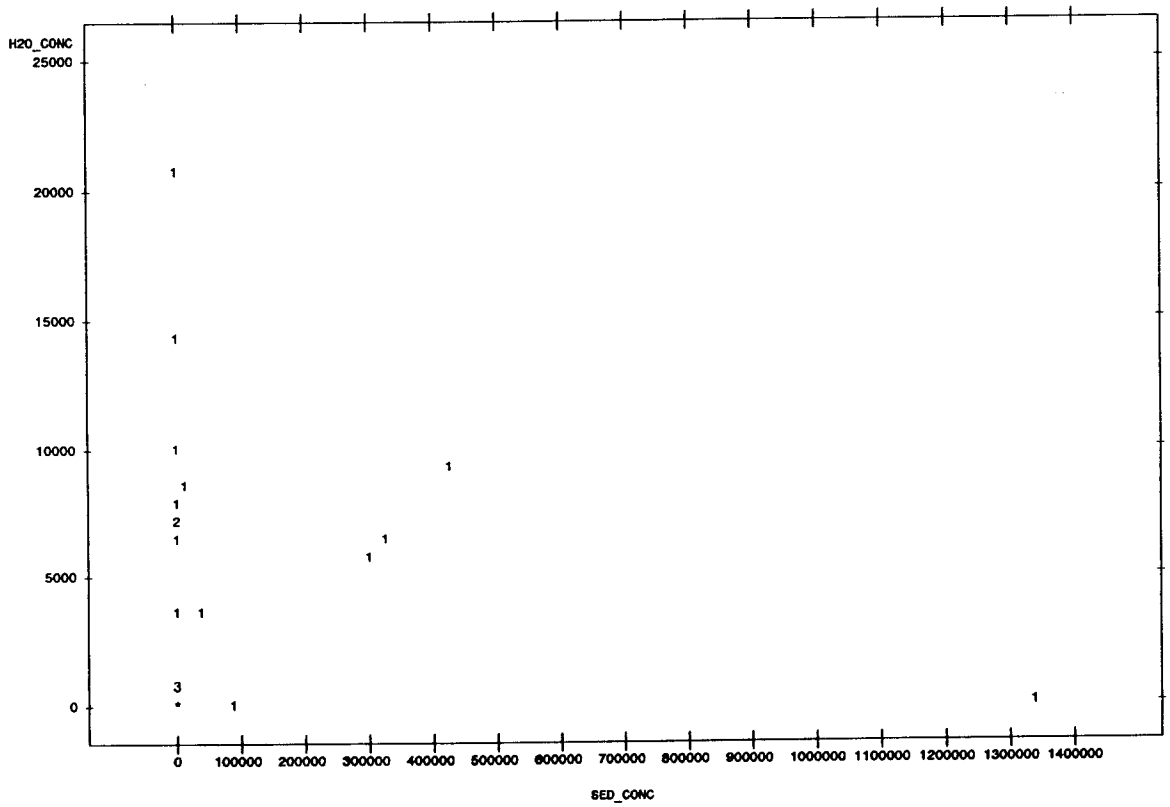
Source	DF	Sum of Squares	Mean Square	F Value	Prob>F
Model	1	949285.07003	949285.07003	0.035	0.8532
Error	28	761648936.89	27201747.746		
C Total	29	762598221.96			

Root MSE	5215.52948	R-square	0.0012
Dep Mean	3725.00667	Adj R-sq	-0.0344
C.V.	140.01396		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	T for H0: Parameter=0	Prob > |T|
INTERCEP	1	3783.738831	1002.7808069	3.773	0.0008
SED_CONC	1	-0.000696	0.00372761	-0.187	0.8532

---------- NAME OF FORMER VARIABLE=ZN_T ----------



---------- NAME OF FORMER VARIABLE=_4MP ----------

Model: MODEL1
Dependent Variable: H2O_CONC

Analysis of Variance

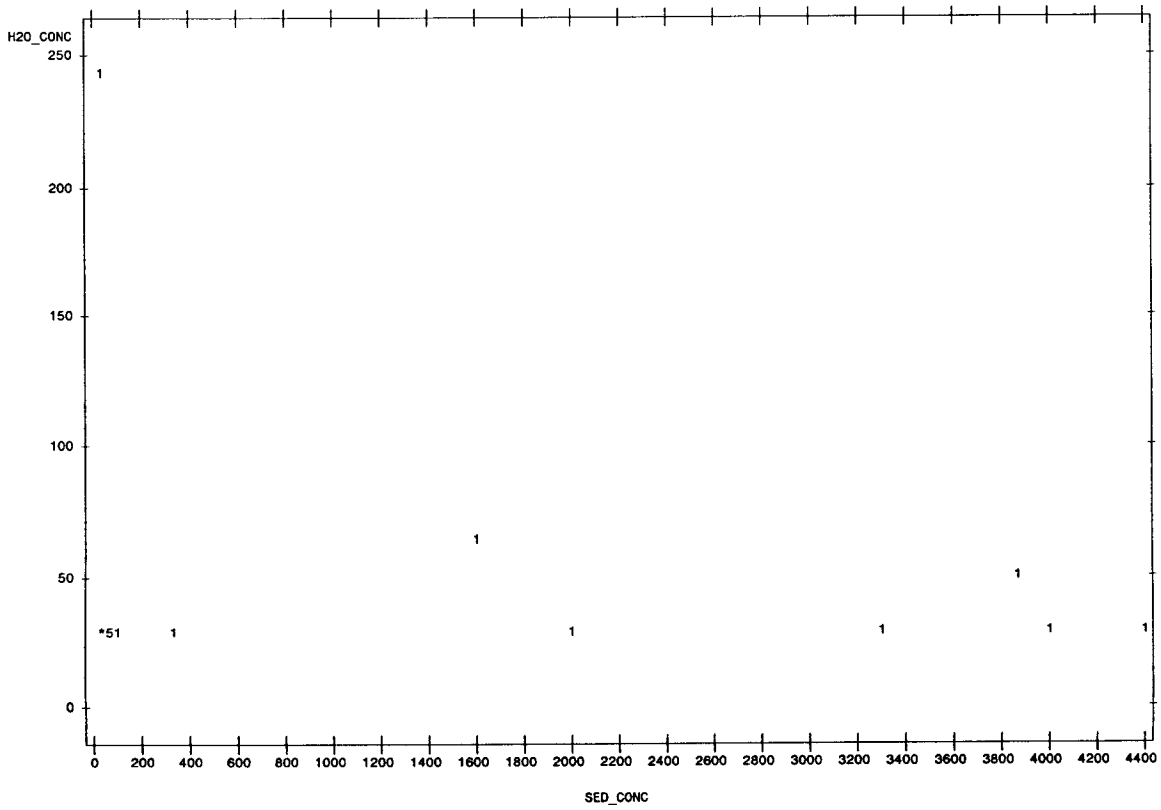
Source	DF	Sum of Squares	Mean Square	F Value	Prob>F
Model	1	20.58239	20.58239	0.019	0.8924
Error	42	46647.59943	1110.65713		
C Total	43	46668.18182			

Root MSE	33.32652	R-square	0.0004
Dep Mean	31.36364	Adj R-sq	-0.0234
C.V.	106.25848		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	T for H0: Parameter=0	Prob > |T|
INTERCEP	1	31.078305	5.44384447	5.709	0.0001
SED_CONC	1	0.000597	0.00438516	0.136	0.8924

---------- NAME OF FORMER VARIABLE=_4MP ----------



---------- NAME OF FORMER VARIABLE=_4NP ----------

Model: MODEL1
Dependent Variable: H2O_CONC

Analysis of Variance

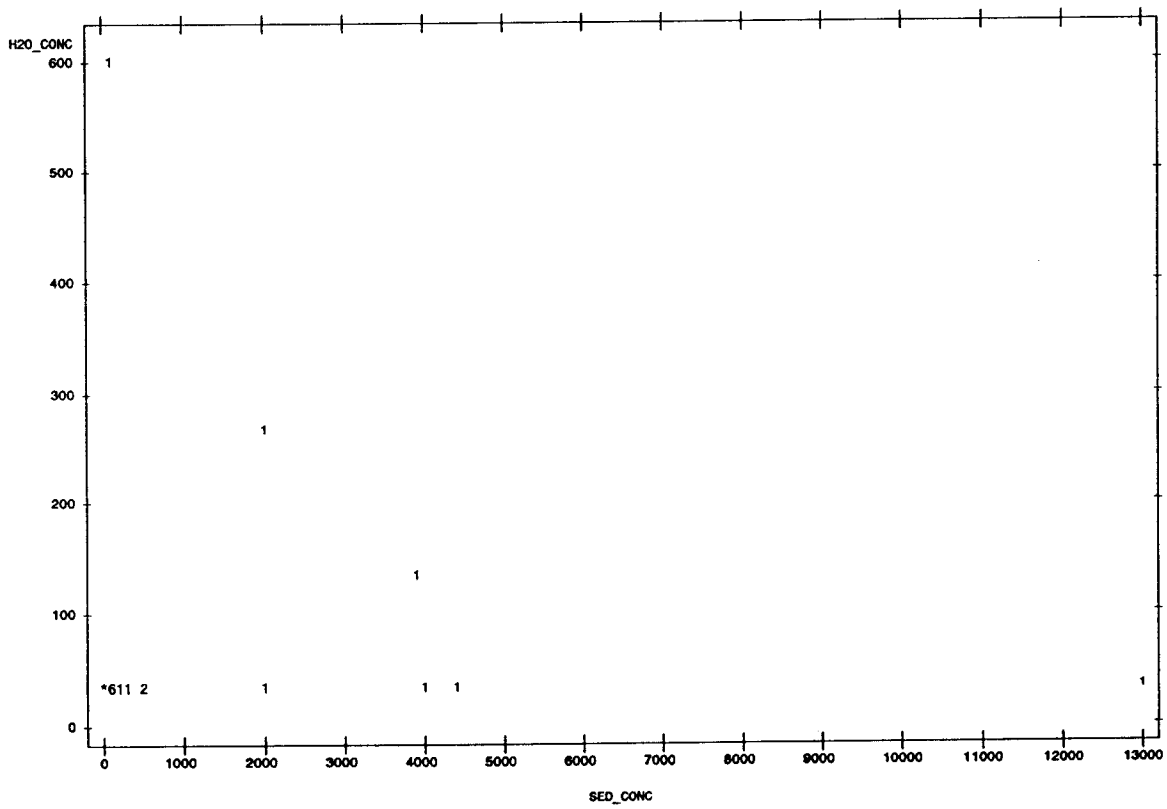
Source	DF	Sum of Squares	Mean Square	F Value	Prob>F
Model	1	254.70756	254.70756	0.028	0.8670
Error	42	376774.83789	8970.82947		
C Total	43	377029.54545			

Root MSE	94.71446	R-square	0.0007
Dep Mean	45.68182	Adj R-sq	-0.0231
C.V.	207.33514		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	T for H0: Parameter=0	Prob > |T|
INTERCEP	1	44.859271	15.09012413	2.973	0.0049
SED_CONC	1	0.001117	0.00662914	0.169	0.8670

---------- NAME OF FORMER VARIABLE=_4NP ----------



---------- NAME OF FORMER VARIABLE=ACE ----------

Model: MODEL1
Dependent Variable: LOG_H2O

Analysis of Variance

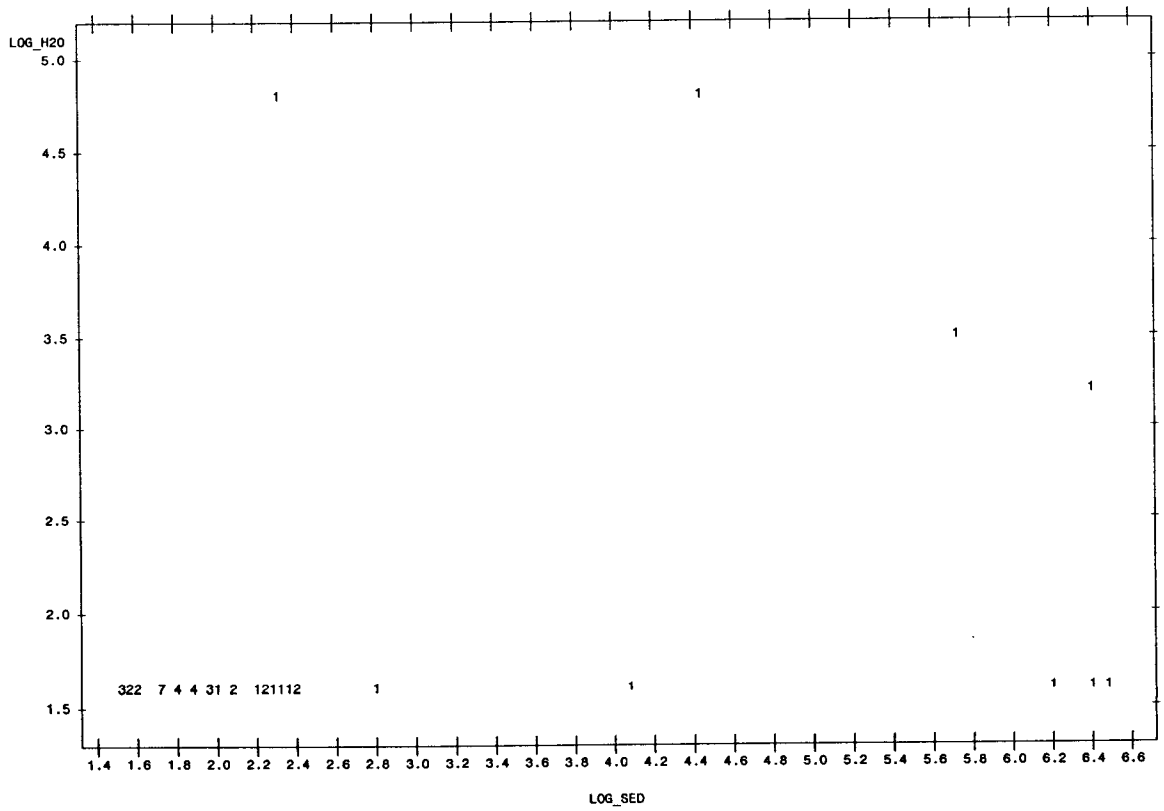
Source	DF	Sum of Squares	Mean Square	F Value	Prob>F
Model	1	3.46656	3.46656	7.157	0.0105
Error	43	20.82808	0.48437		
C Total	44	24.29464			

Root MSE	0.69597	R-square	0.1427
Dep Mean	1.82905	Adj R-sq	0.1228
C.V.	38.05093		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	T for H0: Parameter=0	Prob > |T|
INTERCEP	1	1.344536	0.20872272	6.442	0.0001
LOG_SED	1	0.193406	0.07229554	2.675	0.0105

---------- NAME OF FORMER VARIABLE=ACE ----------



---------- NAME OF FORMER VARIABLE=ACENAPHY ----------

Model: MODEL1
Dependent Variable: LOG_H2O

Analysis of Variance

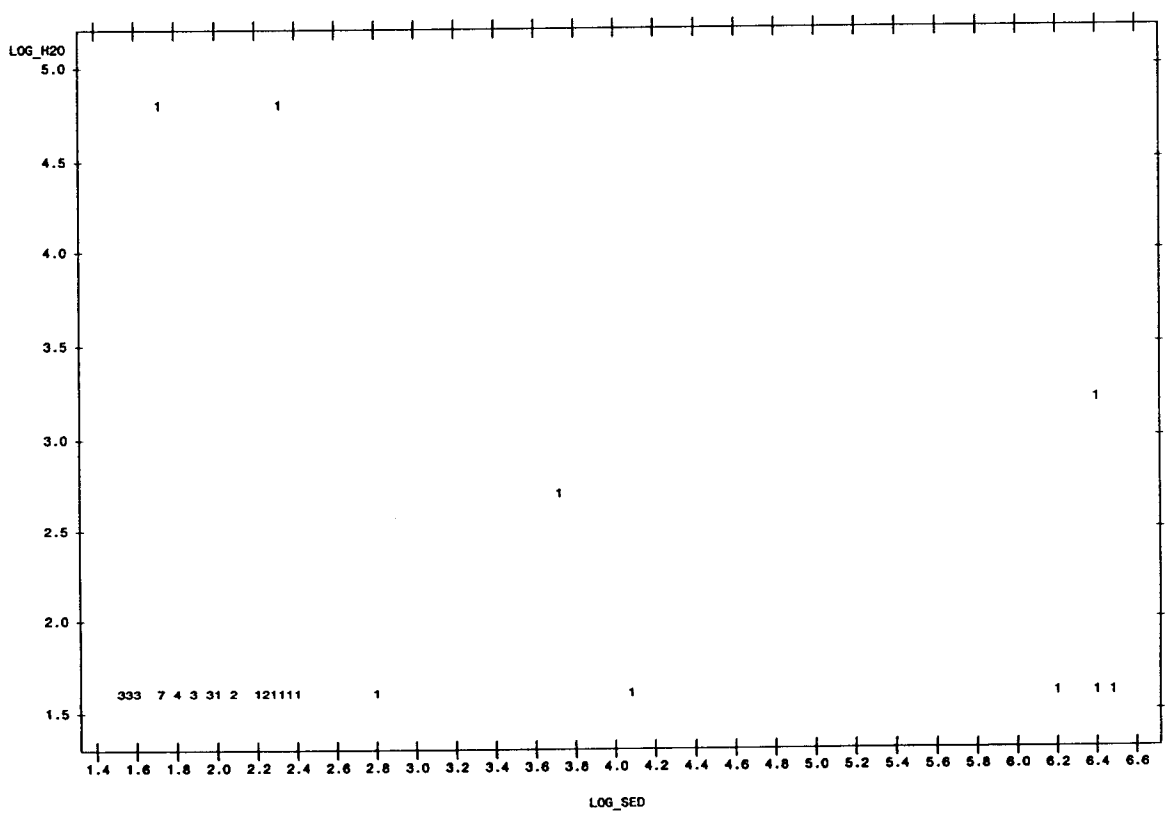
Source	DF	Sum of Squares	Mean Square	F Value	Prob>F
Model	1	0.38525	0.38525	0.760	0.3881
Error	43	21.78629	0.50666		
C Total	44	22.17154			

Root MSE	0.71180	R-square	0.0174
Dep Mean	1.81086	Adj R-sq	-0.0055
C.V.	39.30716		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	T for H0: Parameter=0	Prob > |T|
INTERCEP	1	1.647228	0.21557908	7.641	0.0001
LOG_SED	1	0.068875	0.07898557	0.872	0.3881

---------- NAME OF FORMER VARIABLE=ACENAPHY ----------



---------- NAME OF FORMER VARIABLE=AG ----------

Model: MODEL1
Dependent Variable: LOG_H2O

Analysis of Variance

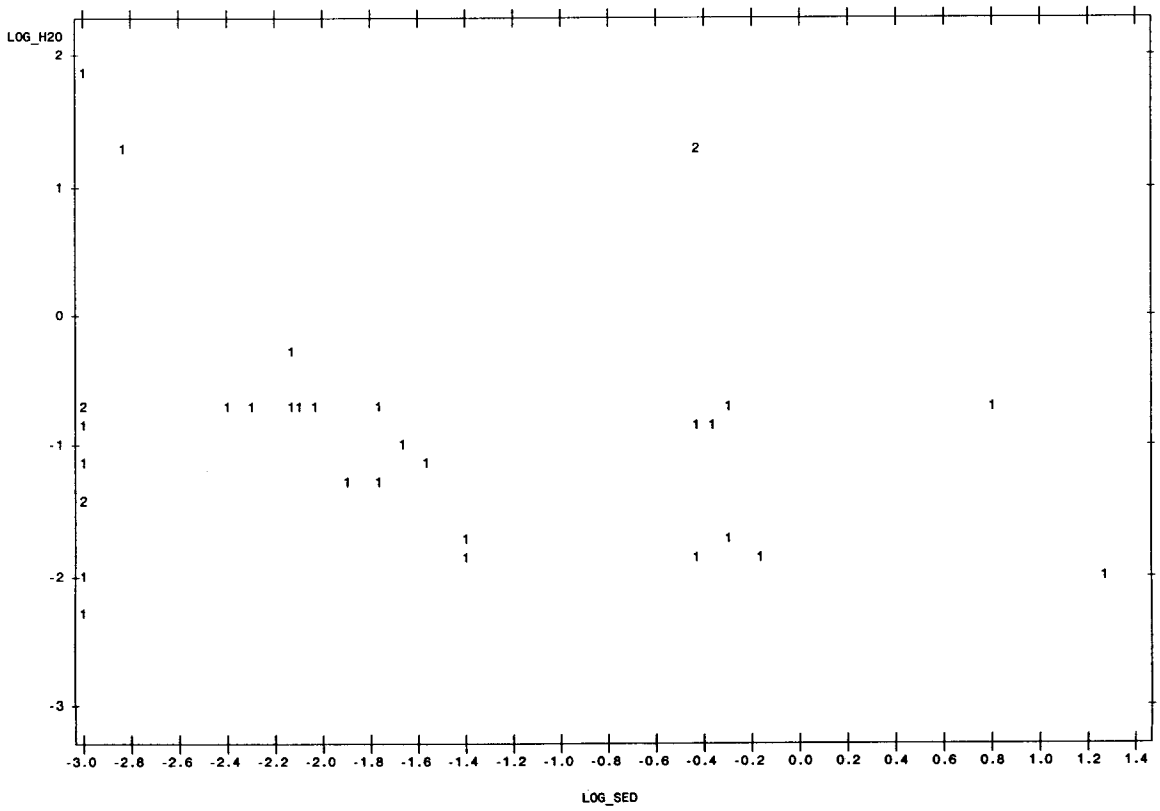
Source	DF	Sum of Squares	Mean Square	F Value	Prob>F
Model	1	0.26725	0.26725	0.255	0.6173
Error	31	32.52529	1.04920		
C Total	32	32.79255			

Root MSE	1.02431	R-square	0.0081
Dep Mean	-0.84592	Adj R-sq	-0.0238
C.V.	-121.08728		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	T for H0: Parameter=0	Prob > |T|
INTERCEP	1	-0.970823	0.30501994	-3.183	0.0033
LOG_SED	1	-0.074823	0.14825269	-0.505	0.6173

---------- NAME OF FORMER VARIABLE=AG ----------



---------- NAME OF FORMER VARIABLE=ALDRIN ----------

Model: MODEL1
Dependent Variable: LOG_H2O

Analysis of Variance

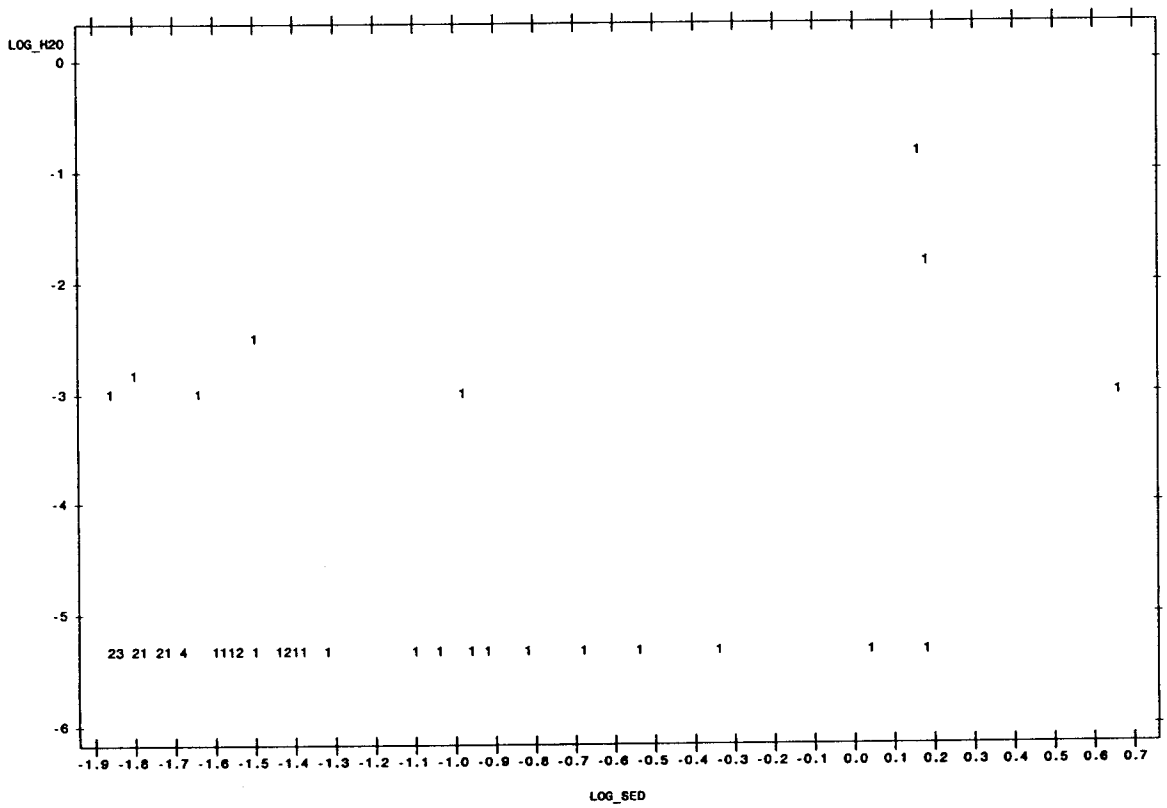
Source	DF	Sum of Squares	Mean Square	F Value	Prob>F
Model	1	7.70457	7.70457	6.956	0.0116
Error	43	47.62975	1.10767		
C Total	44	55.33432			

Root MSE	1.05246	R-square	0.1392
Dep Mean	-4.80148	Adj R-sq	0.1192
C.V.	-21.91946		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	T for H0: Parameter=0	Prob > |T|
INTERCEP	1	-3.996577	0.34315821	-11.646	0.0001
LOG_SED	1	0.632967	0.24000027	2.637	0.0116

---------- NAME OF FORMER VARIABLE=ALDRIN ----------



---------- NAME OF FORMER VARIABLE=ANTHRAC ----------

Model: MODEL1
Dependent Variable: LOG_H2O

Analysis of Variance

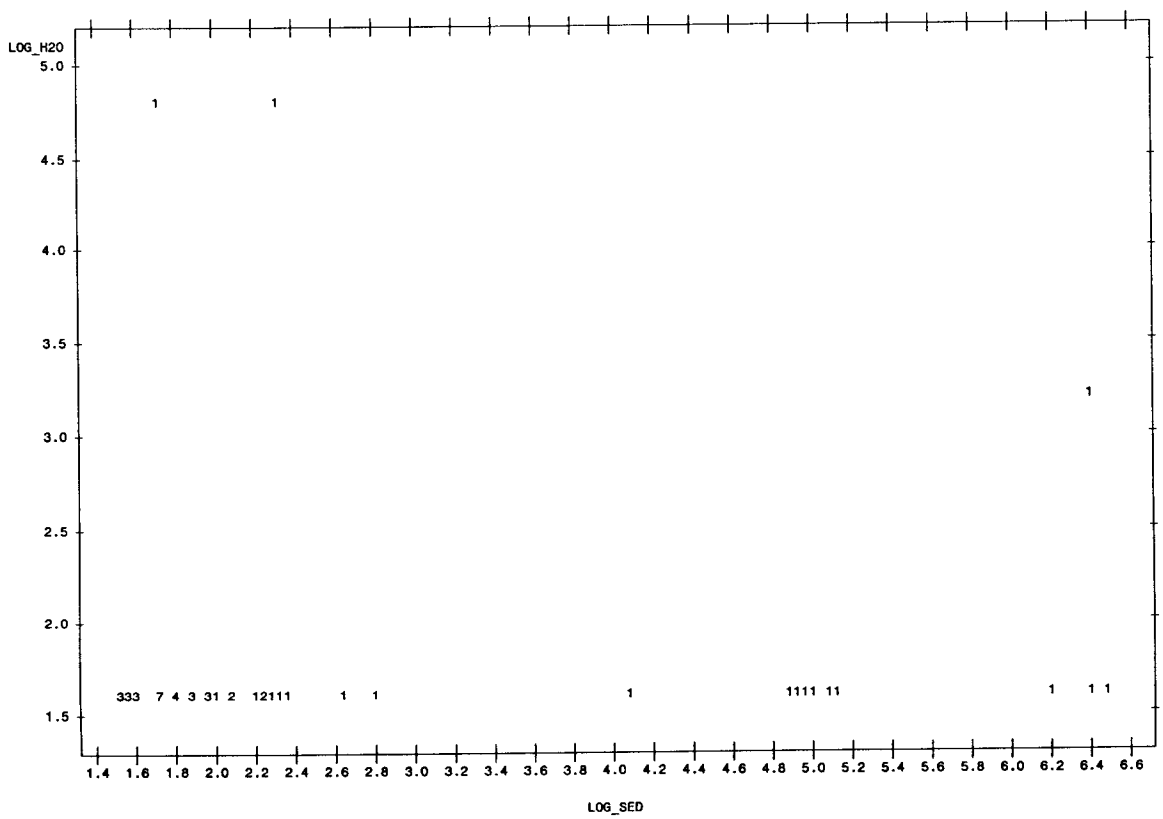
Source	DF	Sum of Squares	Mean Square	F Value	Prob>F
Model	1	0.02744	0.02744	0.061	0.8055
Error	48	21.49390	0.44779		
C Total	49	21.52134			

Root MSE	0.66917	R-square	0.0013
Dep Mean	1.76875	Adj R-sq	-0.0195
C.V.	37.83301		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	T for H0: Parameter=0	Prob > |T|
INTERCEP	1	1.727762	0.19070527	9.060	0.0001
LOG_SED	1	0.015367	0.06207677	0.248	0.8055

---------- NAME OF FORMER VARIABLE=ANTHRAC ----------



---------- NAME OF FORMER VARIABLE=AS_D ----------

Model: MODEL1
Dependent Variable: LOG_H2O

Analysis of Variance

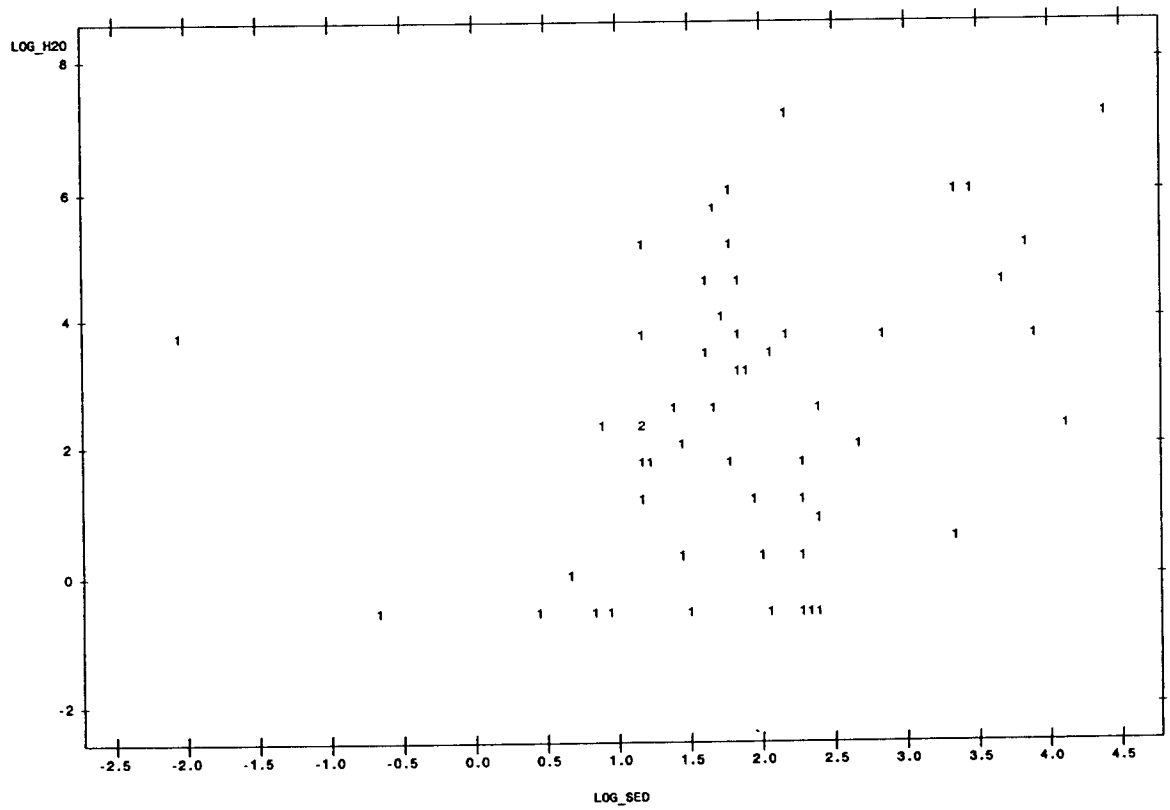
Source	DF	Sum of Squares	Mean Square	F Value	Prob>F
Model	1	26.60127	26.60127	5.737	0.0202
Error	52	241.10328	4.63660		
C Total	53	267.70455			

Root MSE	2.15328	R-square	0.0994
Dep Mean	2.49758	Adj R-sq	0.0820
C.V.	86.21463		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	T for H0: Parameter=0	Prob > |T|
INTERCEP	1	1.287257	0.58411546	2.204	0.0320
LOG_SED	1	0.636625	0.26578639	2.395	0.0202

---------- NAME OF FORMER VARIABLE=AS_D ----------



---------- NAME OF FORMER VARIABLE=BAA ----------

Model: MODEL1
Dependent Variable: LOG_H2O

Analysis of Variance

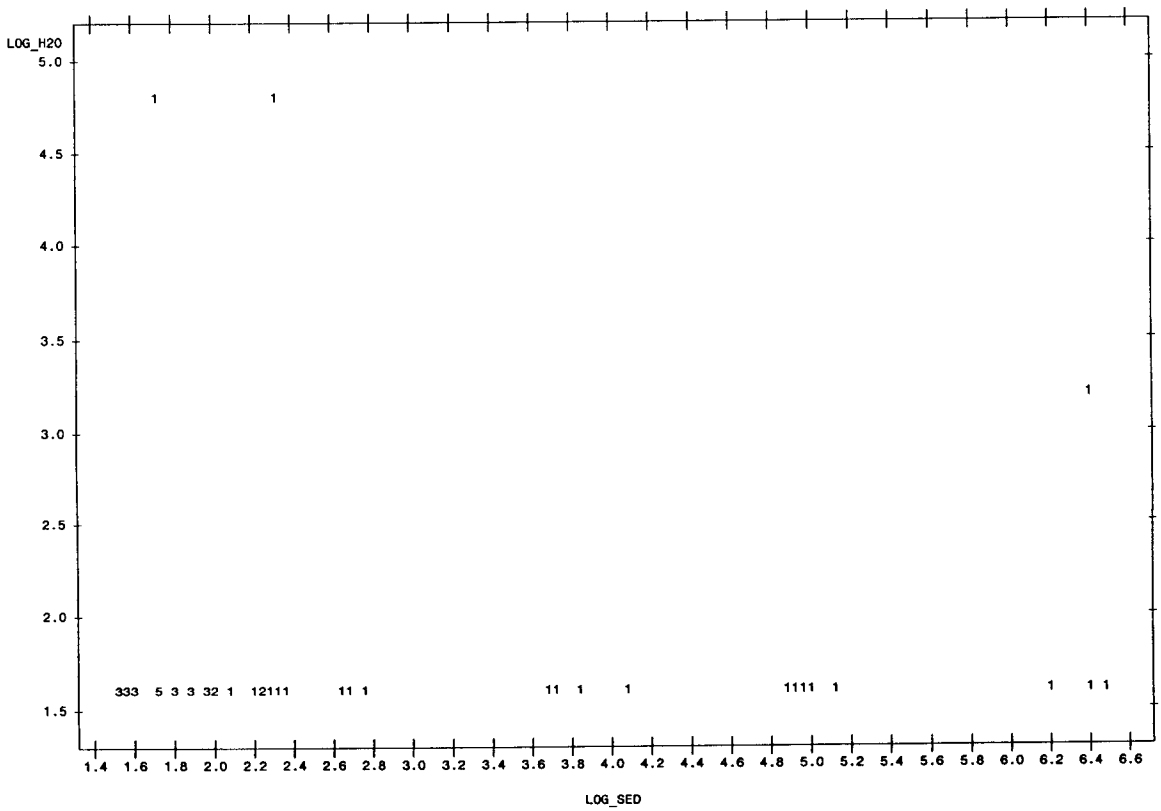
Source	DF	Sum of Squares	Mean Square	F Value	Prob>F
Model	1	0.01338	0.01338	0.030	0.8635
Error	48	21.50797	0.44808		
C Total	49	21.52134			

Root MSE	0.66939	R-square	0.0006
Dep Mean	1.76875	Adj R-sq	-0.0202
C.V.	37.84538		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	T for H0: Parameter=0	Prob > |T|
INTERCEP	1	1.738706	0.19797825	8.782	0.0001
LOG_SED	1	0.010972	0.06349960	0.173	0.8635

---------- NAME OF FORMER VARIABLE=BAA ----------



---------- NAME OF FORMER VARIABLE=BAP ----------

Model: MODEL1
Dependent Variable: LOG_H2O

Analysis of Variance

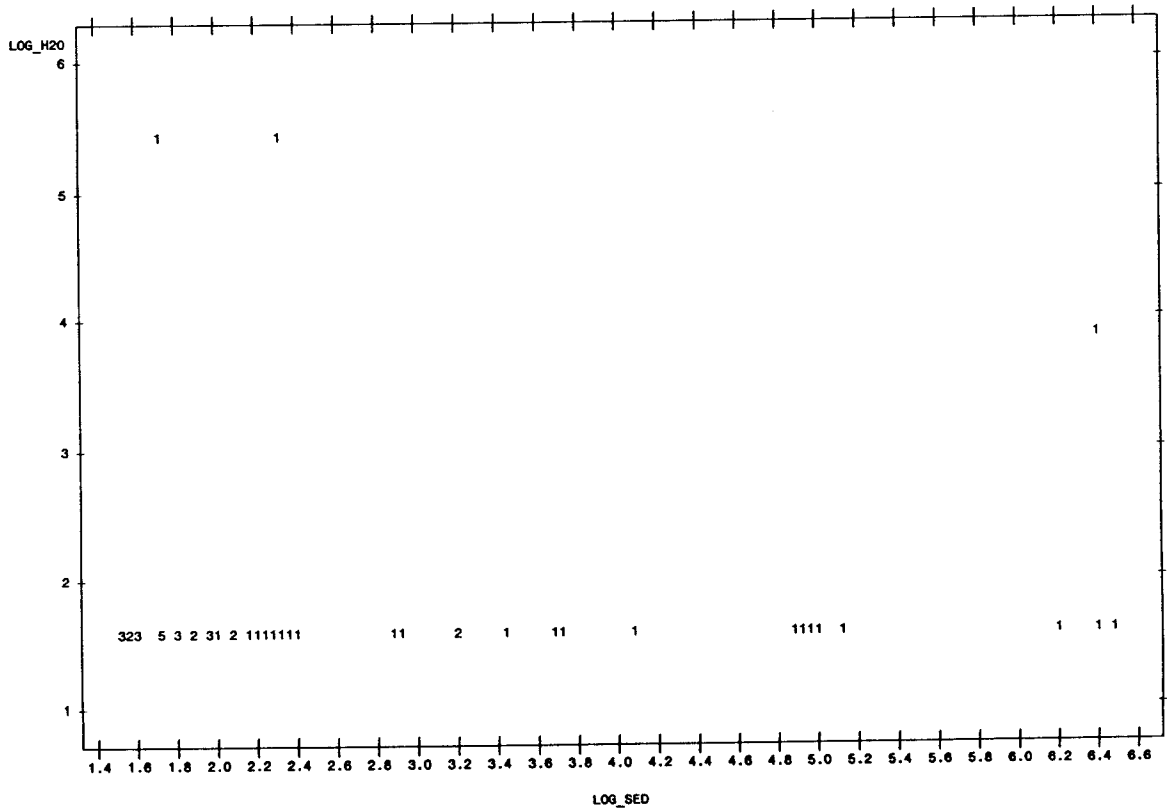
Source	DF	Sum of Squares	Mean Square	F Value	Prob>F
Model	1	0.04489	0.04489	0.065	0.8000
Error	48	33.21136	0.69190		
C Total	49	33.25626			

Root MSE	0.83181	R-square	0.0013
Dep Mean	1.81034	Adj R-sq	-0.0195
C.V.	45.94763		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	T for H0: Parameter=0	Prob > |T|
INTERCEP	1	1.753630	0.25179133	6.965	0.0001
LOG_SED	1	0.020320	0.07977093	0.255	0.8000

---------- NAME OF FORMER VARIABLE=BAP ----------



---------- NAME OF FORMER VARIABLE=BA_D ----------

Model: MODEL1
Dependent Variable: LOG_H2O

Analysis of Variance

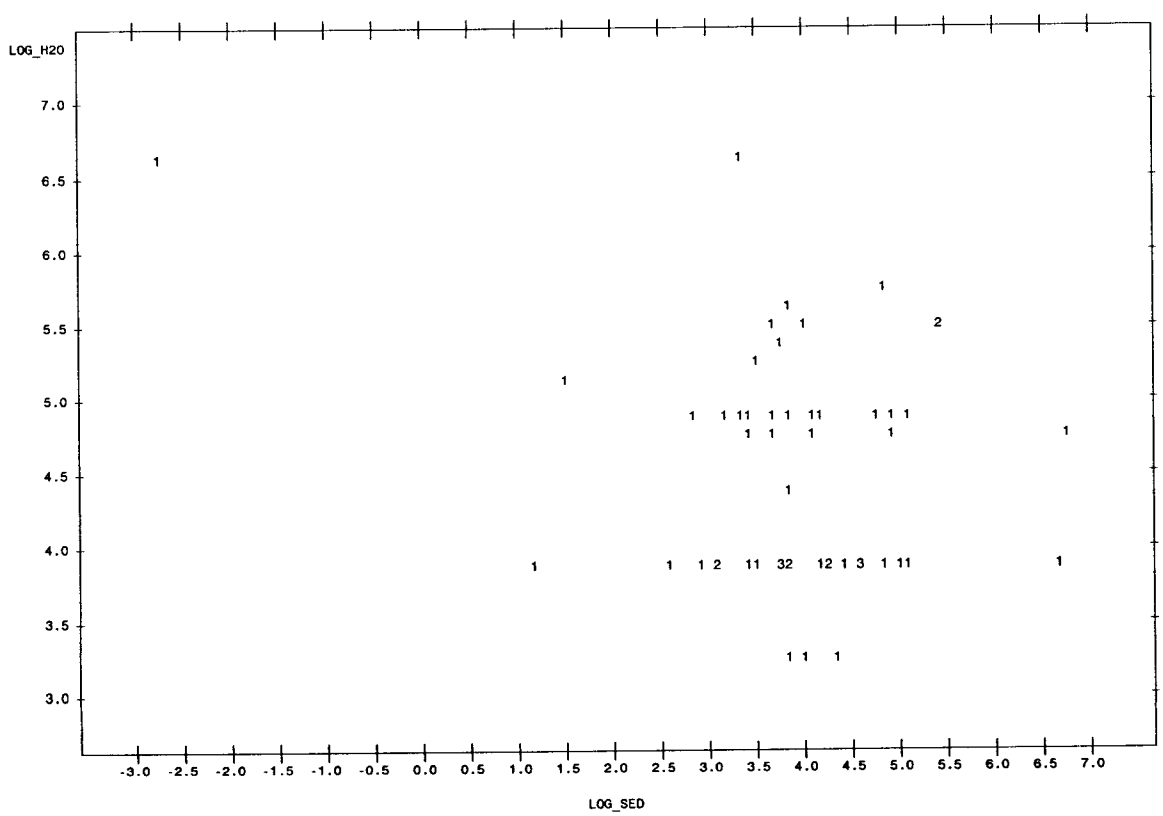
Source	DF	Sum of Squares	Mean Square	F Value	Prob>F
Model	1	2.13102	2.13102	3.702	0.0598
Error	52	29.93138	0.57560		
C Total	53	32.06240			

Root MSE	0.75869	R-square	0.0665
Dep Mean	4.49935	Adj R-sq	0.0485
C.V.	16.86210		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	T for H0: Parameter=0	Prob > |T|
INTERCEP	1	5.078461	0.31818931	15.961	0.0001
LOG_SED	1	-0.149058	0.07746821	-1.924	0.0598

---------- NAME OF FORMER VARIABLE=BA_D ----------



---------- NAME OF FORMER VARIABLE=BBF ----------

Model: MODEL1
Dependent Variable: LOG_H2O

Analysis of Variance

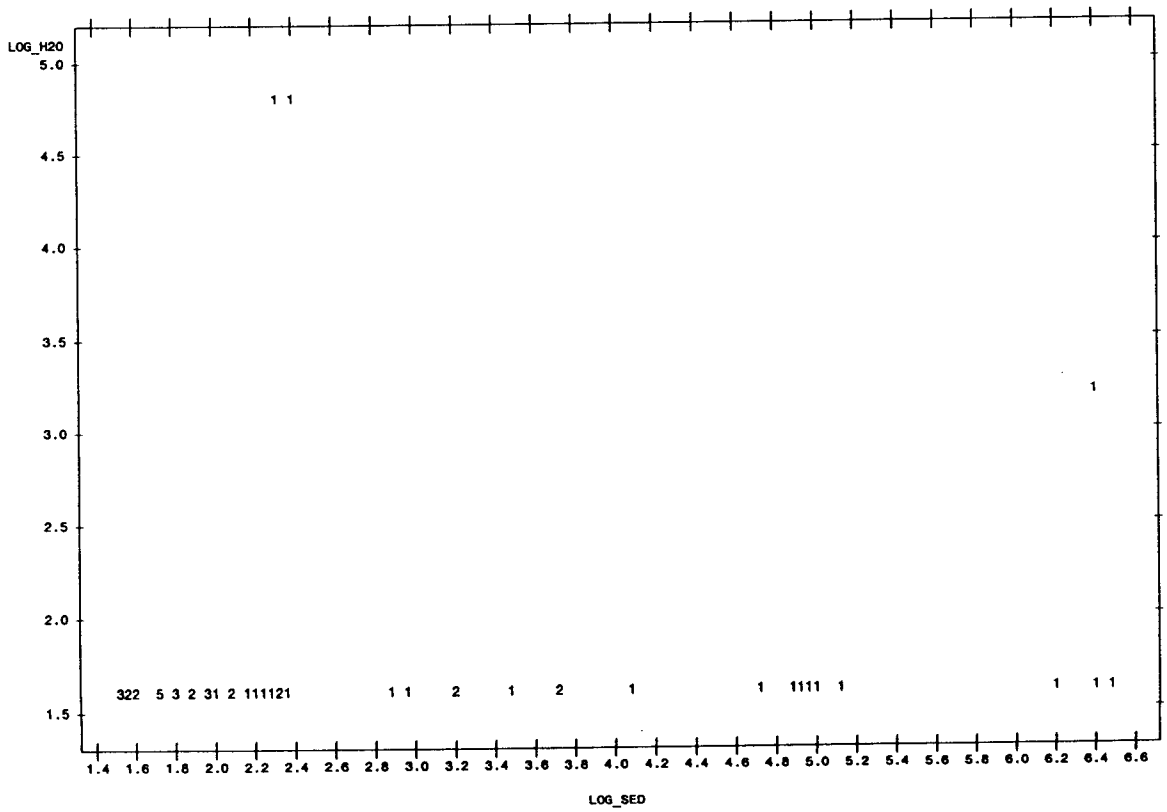
Source	DF	Sum of Squares	Mean Square	F Value	Prob>F
Model	1	0.05201	0.05201	0.116	0.7346
Error	48	21.46933	0.44728		
C Total	49	21.52134			

Root MSE	0.66879	R-square	0.0024
Dep Mean	1.76875	Adj R-sq	-0.0184
C.V.	37.81137		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	T for H0: Parameter=0	Prob > |T|
INTERCEP	1	1.706351	0.20597700	8.284	0.0001
LOG_SED	1	0.021758	0.06380509	0.341	0.7346

---------- NAME OF FORMER VARIABLE=BBF ----------



---------- NAME OF FORMER VARIABLE=BEP ----------

Model: MODEL1
Dependent Variable: LOG_H2O

Analysis of Variance

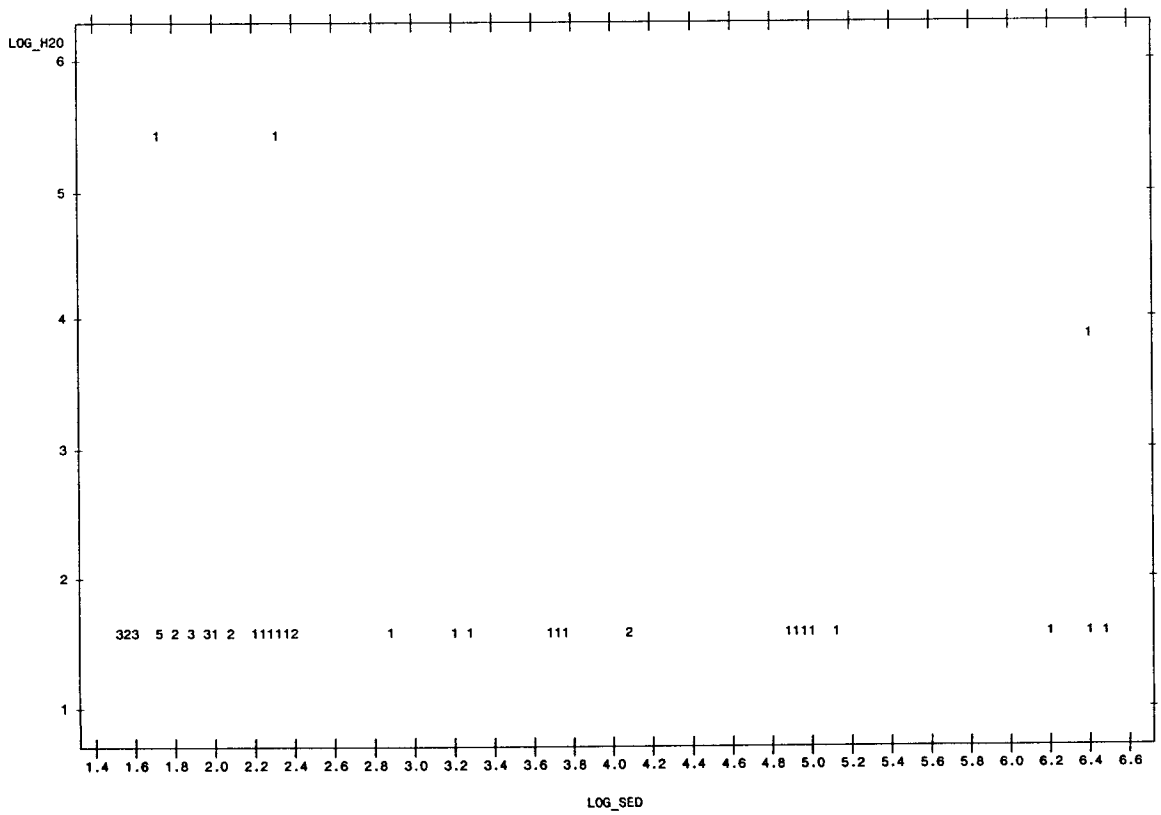
Source	DF	Sum of Squares	Mean Square	F Value	Prob>F
Model	1	0.03055	0.03055	0.044	0.8345
Error	48	33.22570	0.69220		
C Total	49	33.25626			

Root MSE	0.83199	R-square	0.0009
Dep Mean	1.81034	Adj R-sq	-0.0199
C.V.	45.95755		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	T for H0: Parameter=0	Prob > |T|
INTERCEP	1	1.763298	0.25292921	6.972	0.0001
LOG_SED	1	0.016634	0.07917479	0.210	0.8345

---------- NAME OF FORMER VARIABLE=BEP ----------



---------- NAME OF FORMER VARIABLE=BE_D ----------

Model: MODEL1
Dependent Variable: LOG_H2O

Analysis of Variance

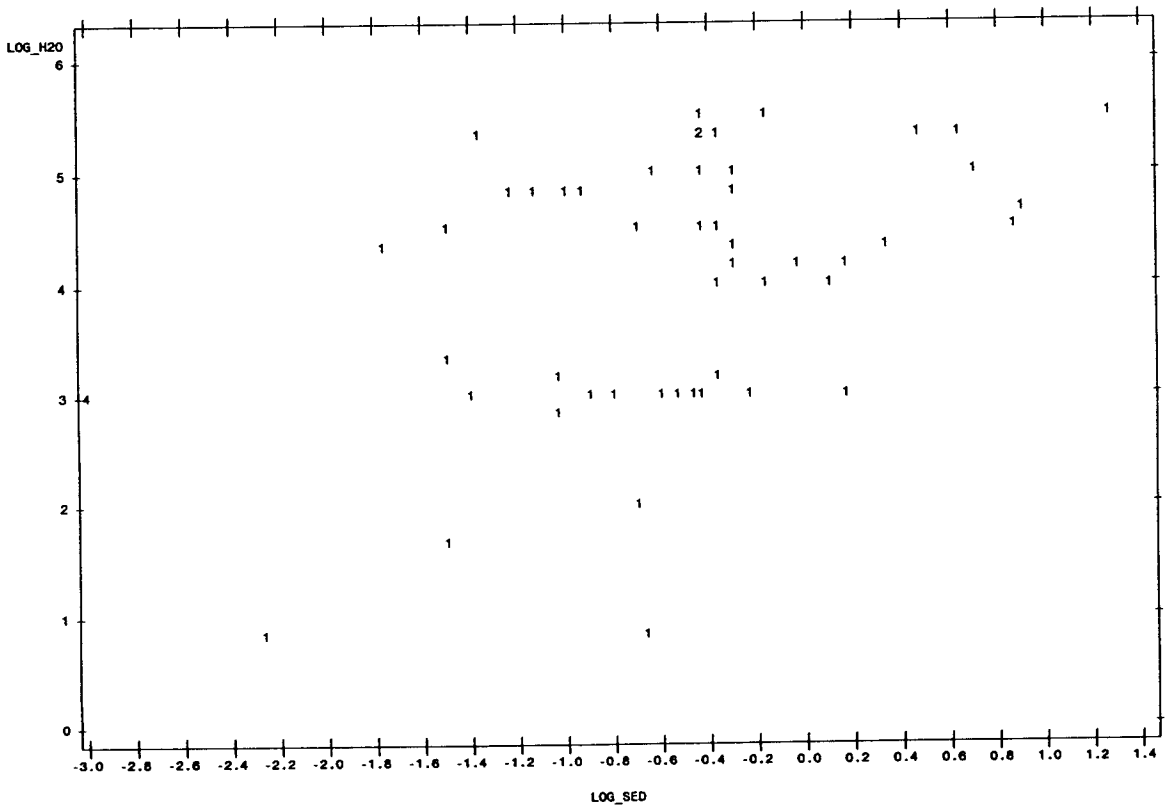
Source	DF	Sum of Squares	Mean Square	F Value	Prob>F
Model	1	14.82378	14.82378	13.805	0.0005
Error	52	55.83597	1.07377		
C Total	53	70.65975			

Root MSE	1.03623	R-square	0.2098
Dep Mean	3.95925	Adj R-sq	0.1946
C.V.	26.17232		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	T for H0: Parameter=0	Prob > |T|
INTERCEP	1	4.325996	0.17212569	25.133	0.0001
LOG_SED	1	0.553478	0.14896216	3.716	0.0005

---------- NAME OF FORMER VARIABLE=BE_D ----------



---------- NAME OF FORMER VARIABLE=BGHIP ----------

Model: MODEL1
Dependent Variable: LOG_H2O

Analysis of Variance

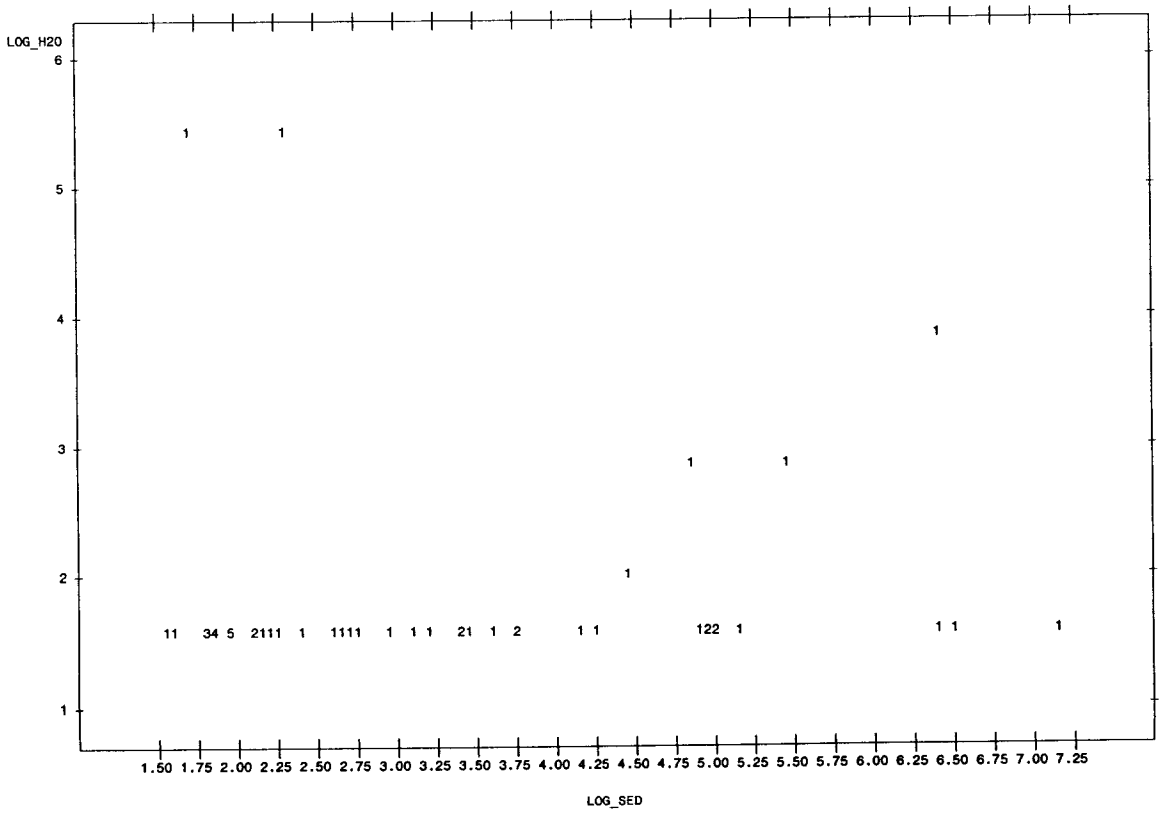
Source	DF	Sum of Squares	Mean Square	F Value	Prob>F
Model	1	0.04851	0.04851	0.066	0.7977
Error	48	35.04258	0.73005		
C Total	49	35.09109			

Root MSE	0.85443	R-square	0.0014
Dep Mean	1.86602	Adj R-sq	-0.0194
C.V.	45.78904		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	T for H0: Parameter=0	Prob > |T|
INTERCEP	1	1.798747	0.28759436	6.254	0.0001
LOG_SED	1	0.020545	0.07970519	0.258	0.7977

---------- NAME OF FORMER VARIABLE=BGHIP ----------



---------- NAME OF FORMER VARIABLE=BHC_A ----------

Model: MODEL1
Dependent Variable: LOG_H2O

Analysis of Variance

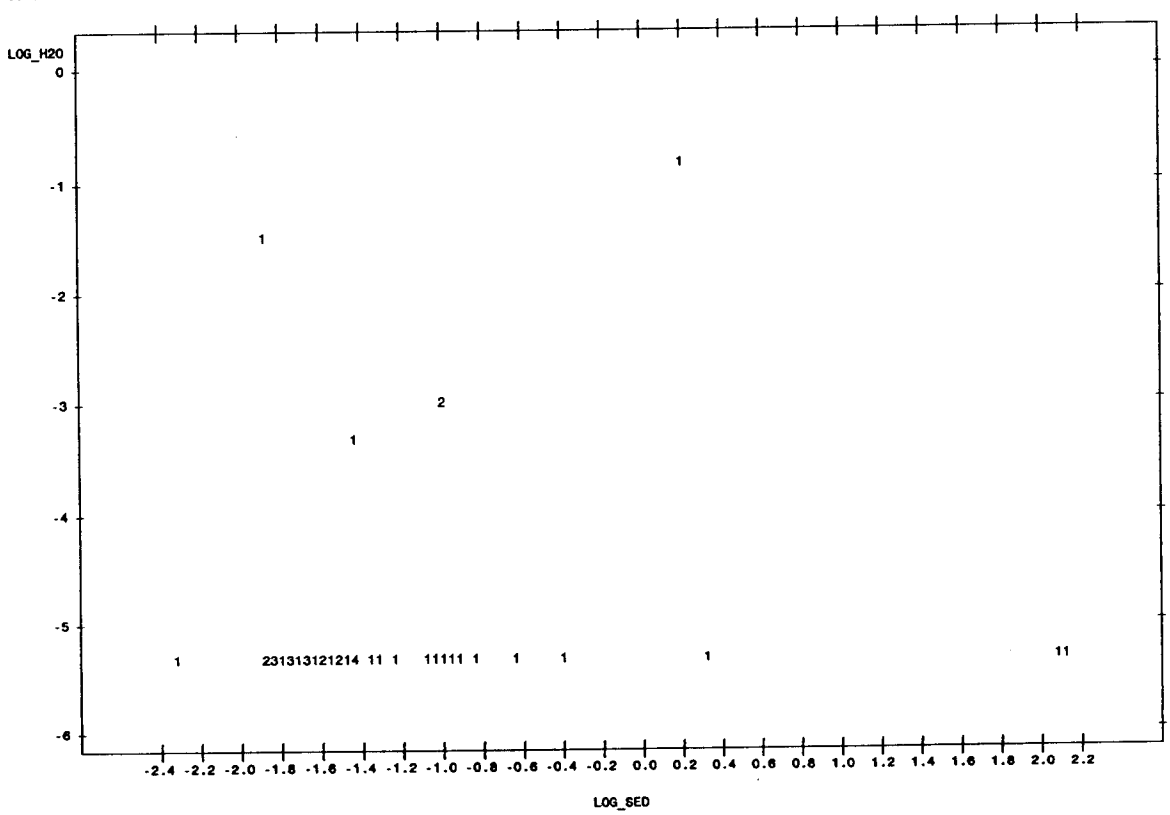
Source	DF	Sum of Squares	Mean Square	F Value	Prob>F
Model	1	0.54739	0.54739	0.534	0.4690
Error	42	43.05024	1.02501		
C Total	43	43.59764			

Root MSE	1.01243	R-square	0.0126
Dep Mean	-4.96186	Adj R-sq	-0.0110
C.V.	-20.40417		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	T for H0: Parameter=0	Prob > |T|
INTERCEP	1	-4.809386	0.25850787	-18.604	0.0001
LOG_SED	1	0.125551	0.17180393	0.731	0.4690

---------- NAME OF FORMER VARIABLE=BHC_A ----------



---------- NAME OF FORMER VARIABLE=BHC_B ----------

Model: MODEL1
Dependent Variable: LOG_H2O

Analysis of Variance

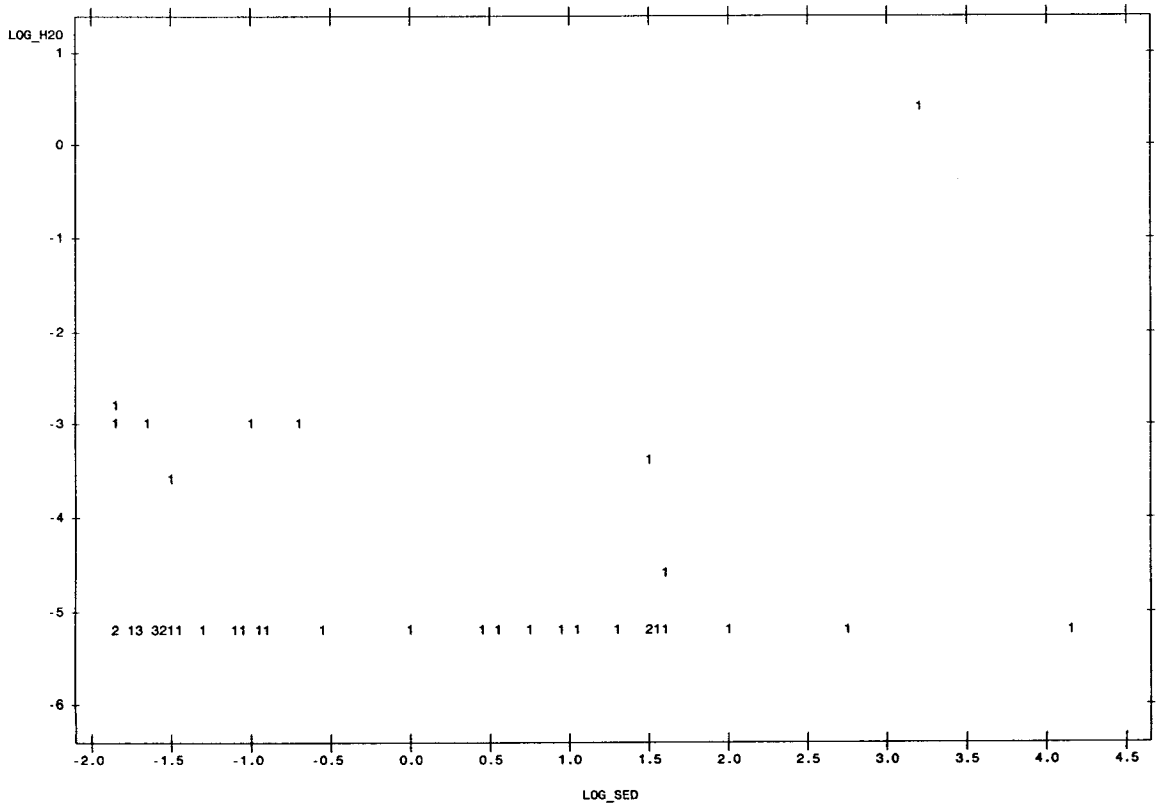
Source	DF	Sum of Squares	Mean Square	F Value	Prob>F
Model	1	0.61857	0.61857	0.447	0.5075
Error	40	55.33598	1.38340		
C Total	41	55.95455			

Root MSE	1.17618	R-square	0.0111
Dep Mean	-4.78186	Adj R-sq	-0.0137
C.V.	-24.59672		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	T for H0: Parameter=0	Prob > |T|
INTERCEP	1	-4.765267	0.18317649	-26.015	0.0001
LOG_SED	1	0.074619	0.11159092	0.669	0.5075

---------- NAME OF FORMER VARIABLE=BHC_B ----------



---------- NAME OF FORMER VARIABLE=BHC_D ----------

Model: MODEL1
Dependent Variable: LOG_H2O

Analysis of Variance

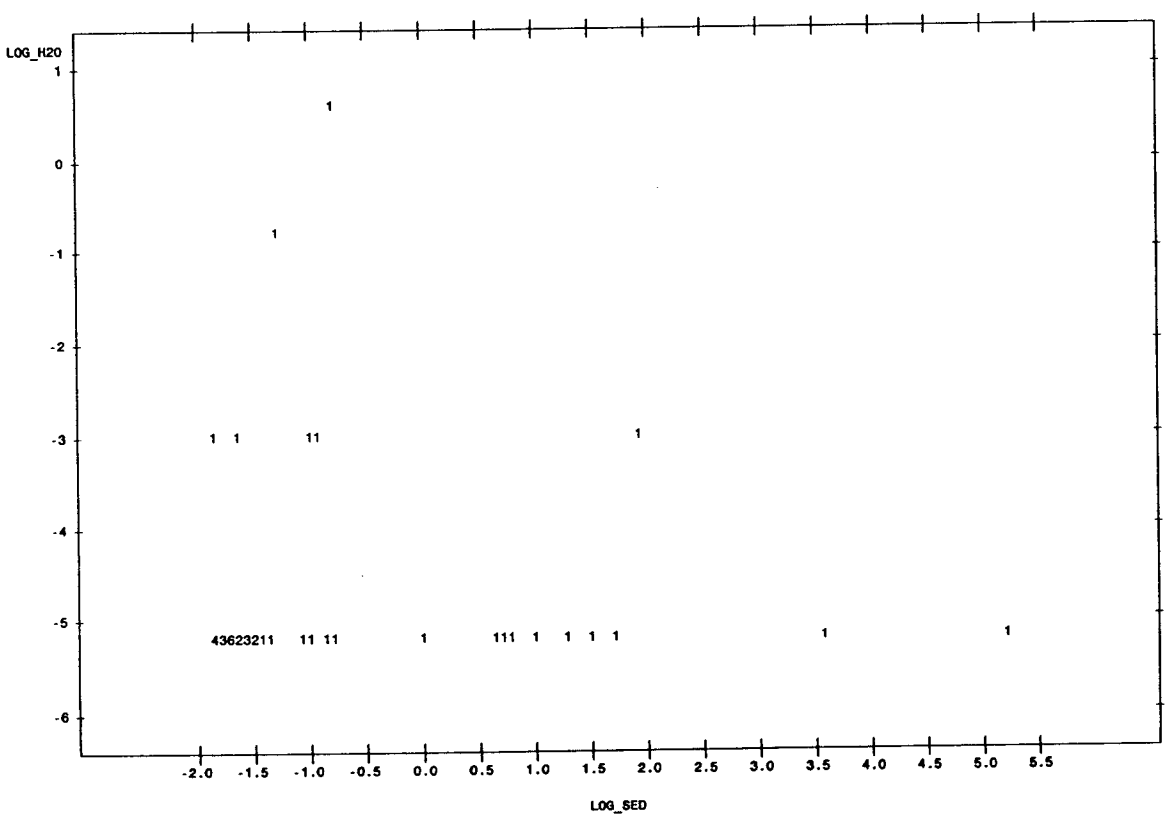
Source	DF	Sum of Squares	Mean Square	F Value	Prob>F
Model	1	0.09813	0.09813	0.057	0.8118
Error	41	70.04698	1.70846		
C Total	42	70.14511			

Root MSE	1.30708	R-square	0.0014
Dep Mean	-4.79034	Adj R-sq	-0.0230
C.V.	-27.28579		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	T for H0: Parameter=0	Prob > |T|
INTERCEP	1	-4.811061	0.21727384	-22.143	0.0001
LOG_SED	1	-0.030116	0.12565830	-0.240	0.8118

---------- NAME OF FORMER VARIABLE=BHC_D ----------



---------- NAME OF FORMER VARIABLE=BHC_G ----------

Model: MODEL1
Dependent Variable: LOG_H2O

Analysis of Variance

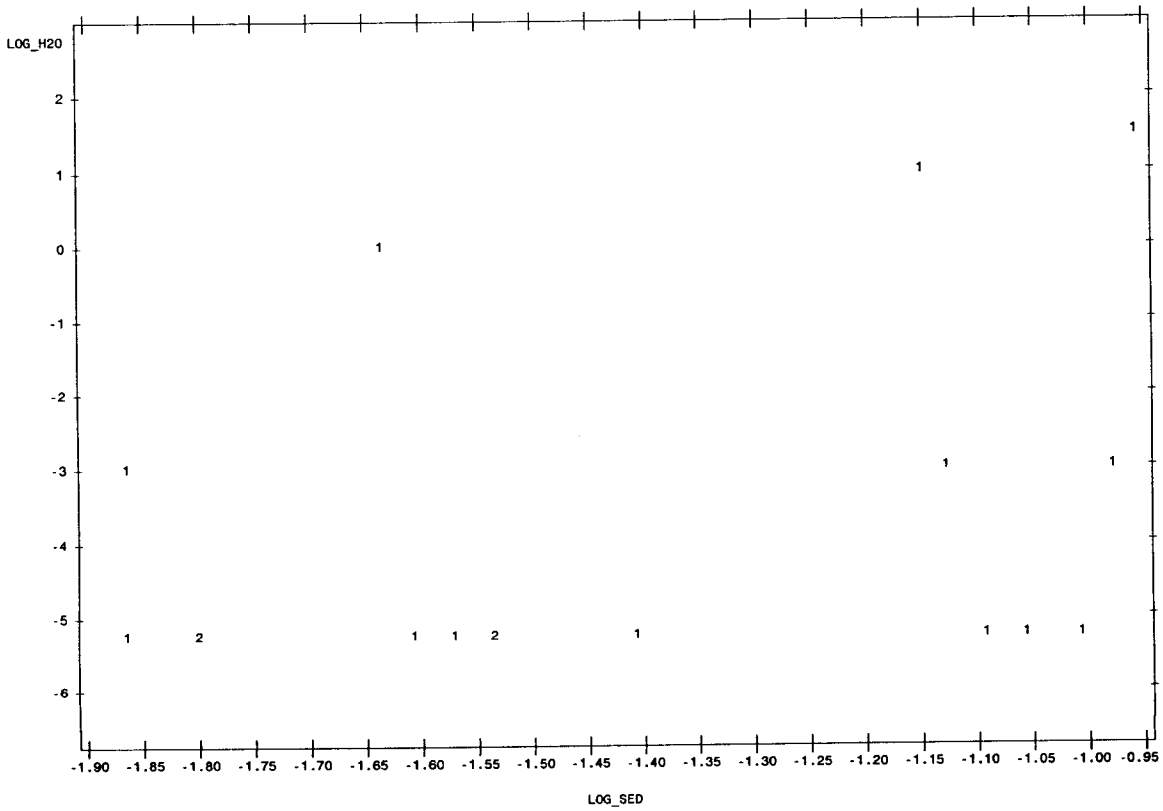
Source	DF	Sum of Squares	Mean Square	F Value	Prob>F
Model	1	9.65945	9.65945	1.740	0.2069
Error	15	83.27060	5.55137		
C Total	16	92.93005			

Root MSE	2.35614	R-square	0.1039
Dep Mean	-3.80520	Adj R-sq	0.0442
C.V.	-61.91876		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	T for H0: Parameter=0	Prob > |T|
INTERCEP	1	-0.533140	2.54550908	-0.209	0.8369
LOG_SED	1	2.318497	1.75764210	1.319	0.2069

---------- NAME OF FORMER VARIABLE=BHC_G ----------



---------- NAME OF FORMER VARIABLE=BKF ----------

Model: MODEL1
Dependent Variable: LOG_H20

Analysis of Variance

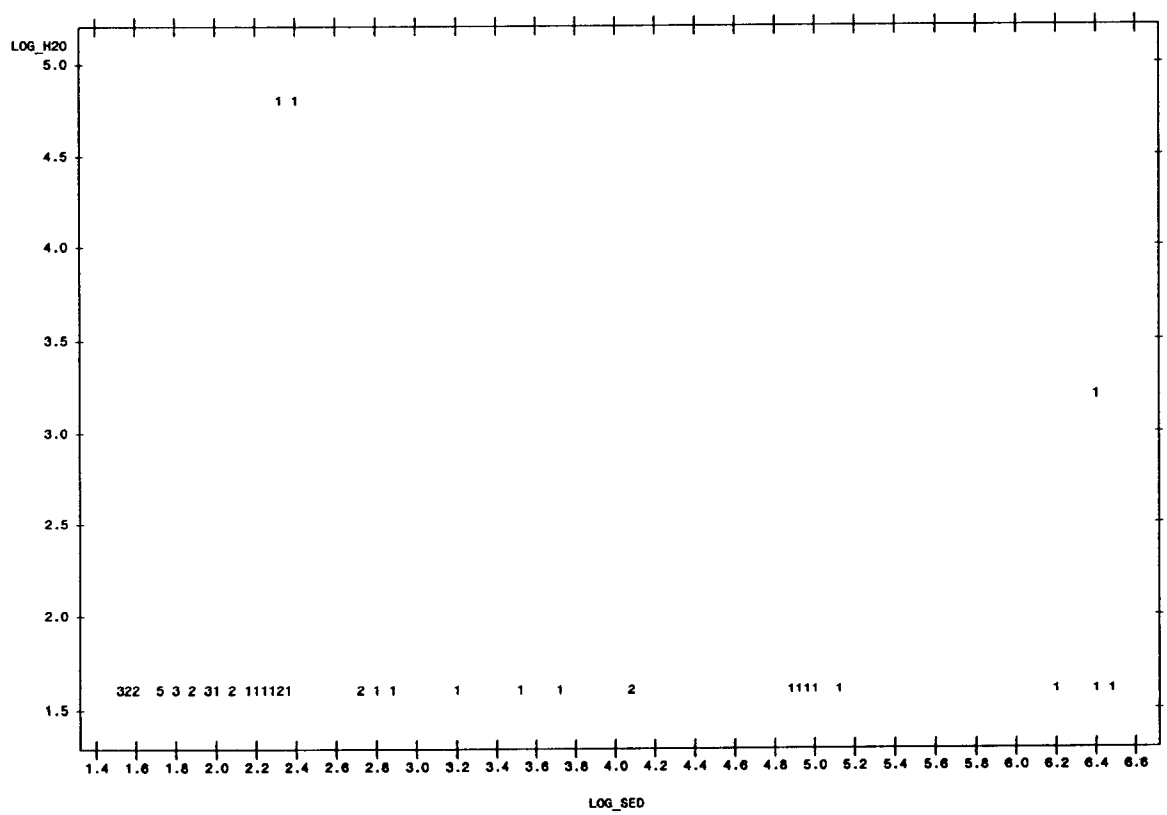
Source	DF	Sum of Squares	Mean Square	F Value	Prob>F
Model	1	0.07100	0.07100	0.159	0.6920
Error	48	21.45034	0.44688		
C Total	49	21.52134			

Root MSE	0.66849	R-square	0.0033
Dep Mean	1.76875	Adj R-sq	-0.0175
C.V.	37.79465		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	T for H0: Parameter=0	Prob > |T|
INTERCEP	1	1.696080	0.20536314	8.259	0.0001
LOG_SED	1	0.025753	0.06460828	0.399	0.6920

---------- NAME OF FORMER VARIABLE=BKF ----------



---------- NAME OF FORMER VARIABLE=CD ----------

Model: MODEL1
Dependent Variable: LOG_H2O

Analysis of Variance

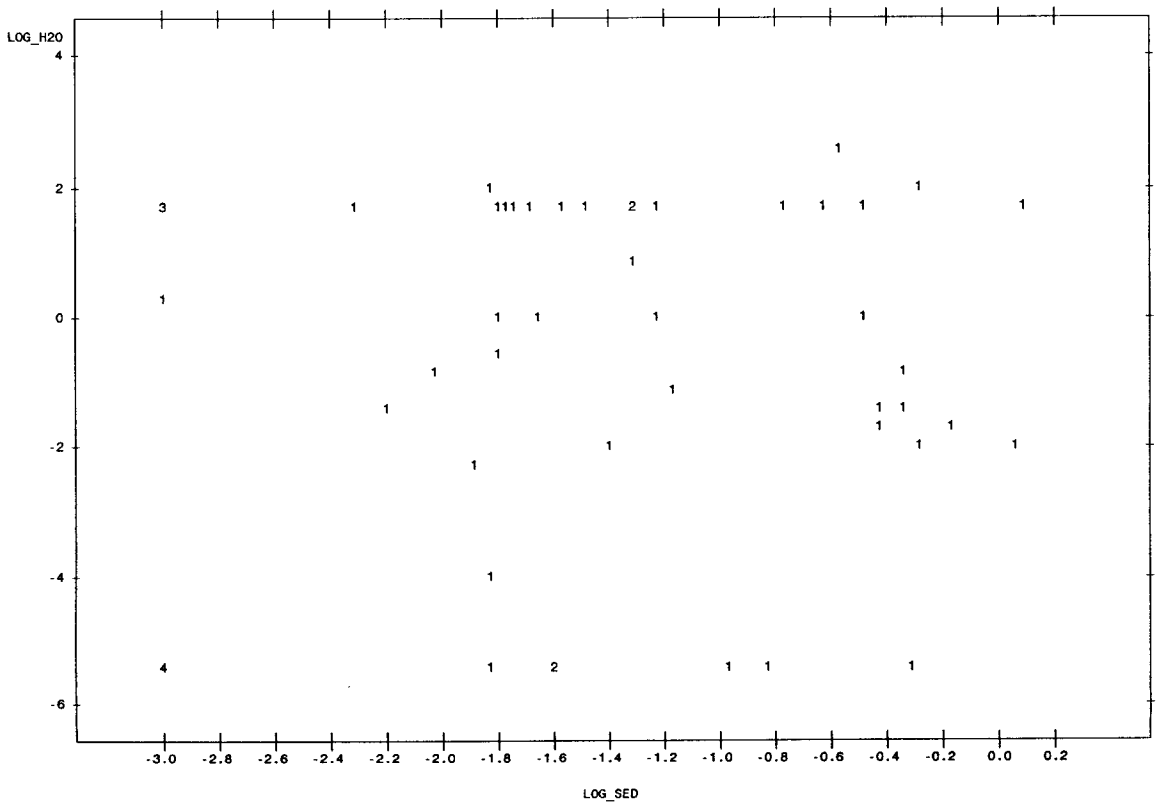
Source	DF	Sum of Squares	Mean Square	F Value	Prob>F
Model	1	5.46737	5.46737	0.748	0.3913
Error	48	350.70851	7.30643		
C Total	49	356.17588			

Root MSE	2.70304	R-square	0.0154
Dep Mean	-0.83777	Adj R-sq	-0.0052
C.V.	-322.64540		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	T for H0: Parameter=0	Prob > |T|
INTERCEP	1	-0.310948	0.71904936	-0.432	0.6674
LOG_SED	1	0.362886	0.41950143	0.865	0.3913

---------- NAME OF FORMER VARIABLE=CD ----------



---------- NAME OF FORMER VARIABLE=CHLOR_A ----------

Model: MODEL1
Dependent Variable: LOG_H2O

Analysis of Variance

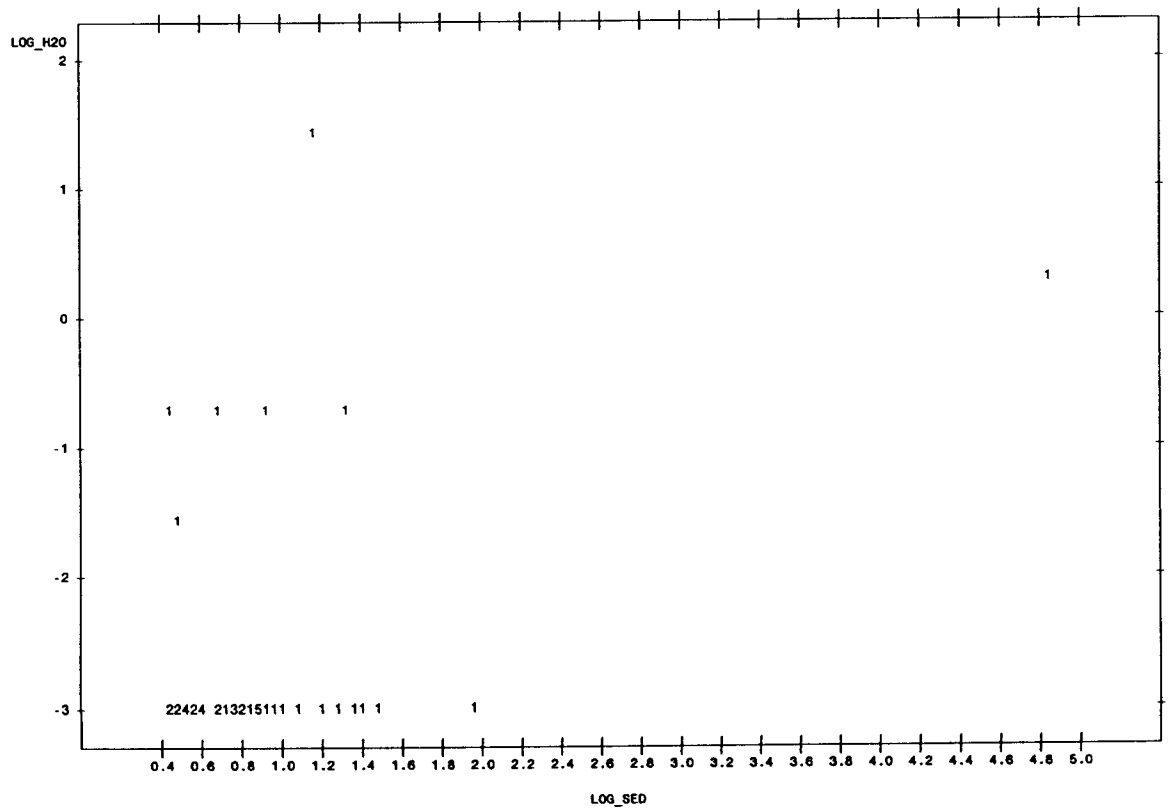
Source	DF	Sum of Squares	Mean Square	F Value	Prob>F
Model	1	7.98114	7.98114	9.031	0.0044
Error	43	38.00317	0.88379		
C Total	44	45.98431			

Root MSE	0.94010	R-square	0.1736
Dep Mean	-2.58882	Adj R-sq	0.1543
C.V.	-36.31392		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	T for H0: Parameter=0	Prob > |T|
INTERCEP	1	-3.159115	0.23591222	-13.391	0.0001
LOG_SED	1	0.625274	0.20807198	3.005	0.0044

---------- NAME OF FORMER VARIABLE=CHLOR_A ----------



---------- NAME OF FORMER VARIABLE=CHLOR_G ----------

Model: MODEL1
Dependent Variable: LOG_H2O

Analysis of Variance

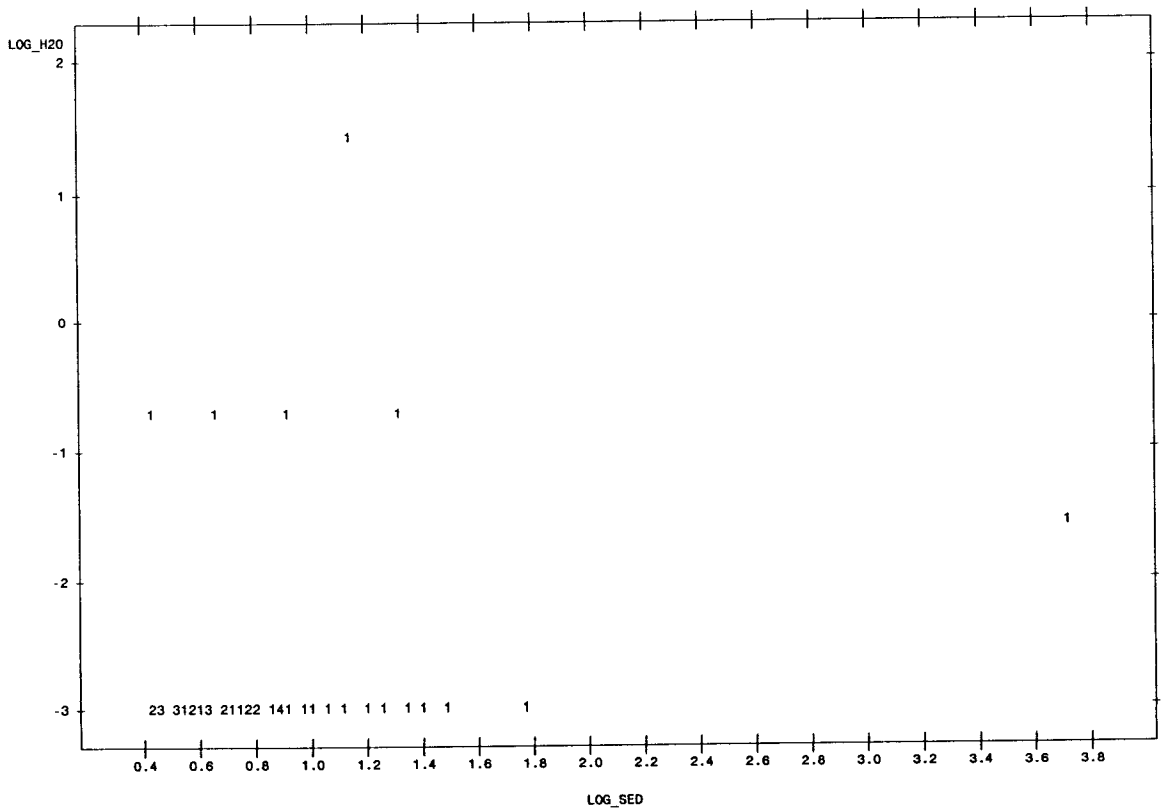
Source	DF	Sum of Squares	Mean Square	F Value	Prob>F
Model	1	1.76321	1.76321	2.124	0.1522
Error	43	35.68769	0.82995		
C Total	44	37.45090			

Root MSE	0.91101	R-square	0.0471
Dep Mean	-2.66179	Adj R-sq	0.0249
C.V.	-34.22562		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	T for H0: Parameter=0	Prob > |T|
INTERCEP	1	-2.993270	0.26488421	-11.300	0.0001
LOG_SED	1	0.372847	0.25580189	1.458	0.1522

---------- NAME OF FORMER VARIABLE=CHLOR_G ----------



---------- NAME OF FORMER VARIABLE=CHLOR_T ----------

Model: MODEL1
Dependent Variable: LOG_H2O

Analysis of Variance

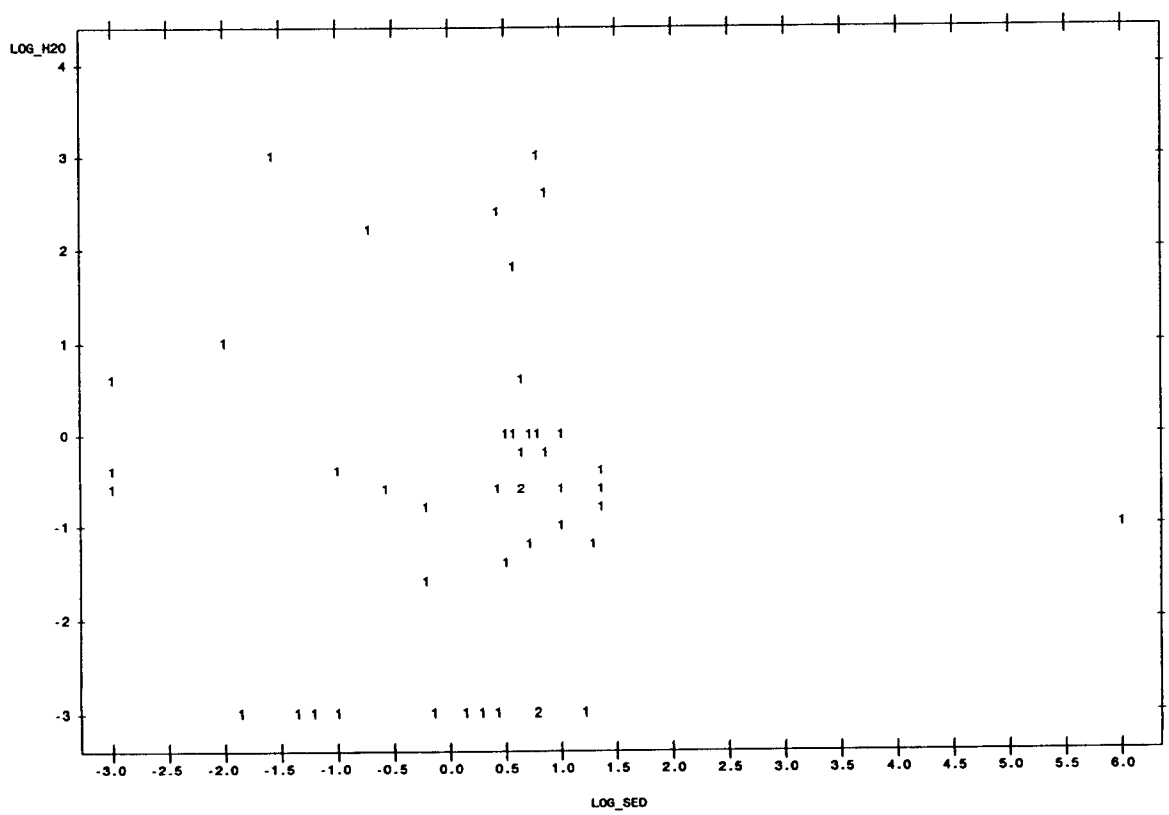
Source	DF	Sum of Squares	Mean Square	F Value	Prob>F
Model	1	0.06763	0.06763	0.022	0.8834
Error	43	133.50975	3.10488		
C Total	44	133.57737			

Root MSE	1.76207	R-square	0.0005
Dep Mean	-0.68143	Adj R-sq	-0.0227
C.V.	-258.58350		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	T for H0: Parameter=0	Prob > |T|
INTERCEP	1	-0.677146	0.26427284	-2.562	0.0140
LOG_SED	1	-0.026341	0.17847983	-0.148	0.8834

---------- NAME OF FORMER VARIABLE=CHLOR_T ----------



---------- NAME OF FORMER VARIABLE=CHRYSENE ----------

Model: MODEL1
Dependent Variable: LOG_H2O

Analysis of Variance

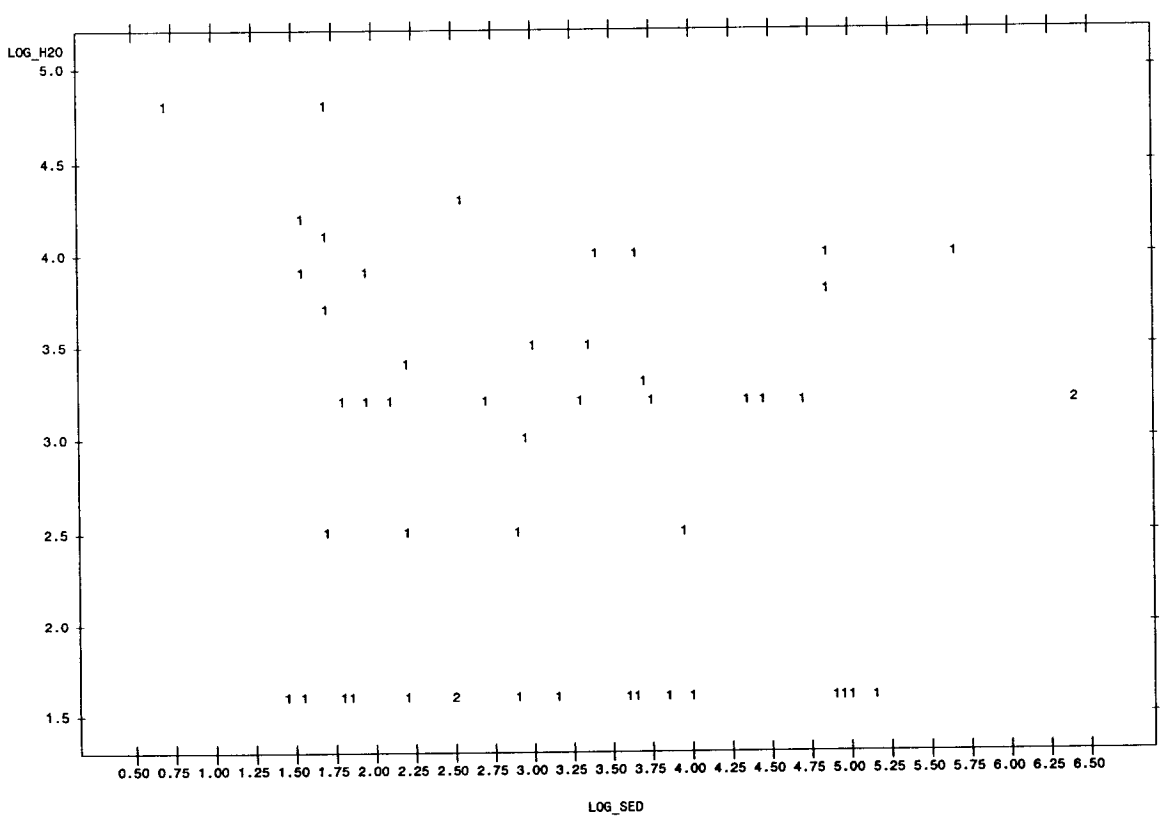
Source	DF	Sum of Squares	Mean Square	F Value	Prob>F
Model	1	0.67274	0.67274	0.634	0.4297
Error	48	50.90035	1.06042		
C Total	49	51.57309			

Root MSE	1.02977	R-square	0.0130
Dep Mean	2.86088	Adj R-sq	-0.0075
C.V.	35.99480		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	T for H0: Parameter=0	Prob > |T|
INTERCEP	1	3.128945	0.36670994	8.532	0.0001
LOG_SED	1	-0.084523	0.10611927	-0.796	0.4297

---------- NAME OF FORMER VARIABLE=CHRYSENE ----------



---------- NAME OF FORMER VARIABLE=CO_D ----------

Model: MODEL1
Dependent Variable: LOG_H2O

Analysis of Variance

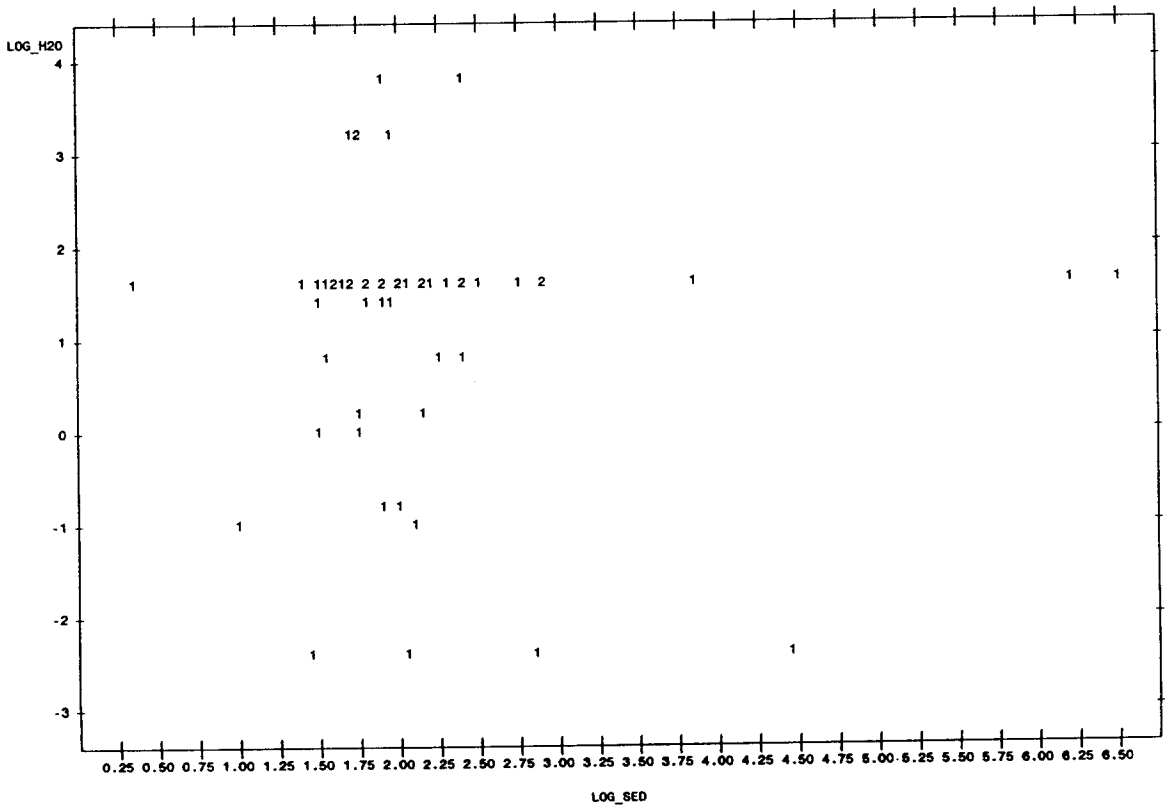
Source	DF	Sum of Squares	Mean Square	F Value	Prob>F
Model	1	0.21652	0.21652	0.105	0.7470
Error	52	107.01826	2.05804		
C Total	53	107.23477			

Root MSE	1.43459	R-square	0.0020
Dep Mean	1.17042	Adj R-sq	-0.0172
C.V.	122.57084		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	T for H0: Parameter=0	Prob > |T|
INTERCEP	1	1.305017	0.45860901	2.846	0.0063
LOG_SED	1	-0.061961	0.19102793	-0.324	0.7470

---------- NAME OF FORMER VARIABLE=CO_D ----------



---------- NAME OF FORMER VARIABLE=CR ----------

Model: MODEL1
Dependent Variable: LOG_H2O

Analysis of Variance

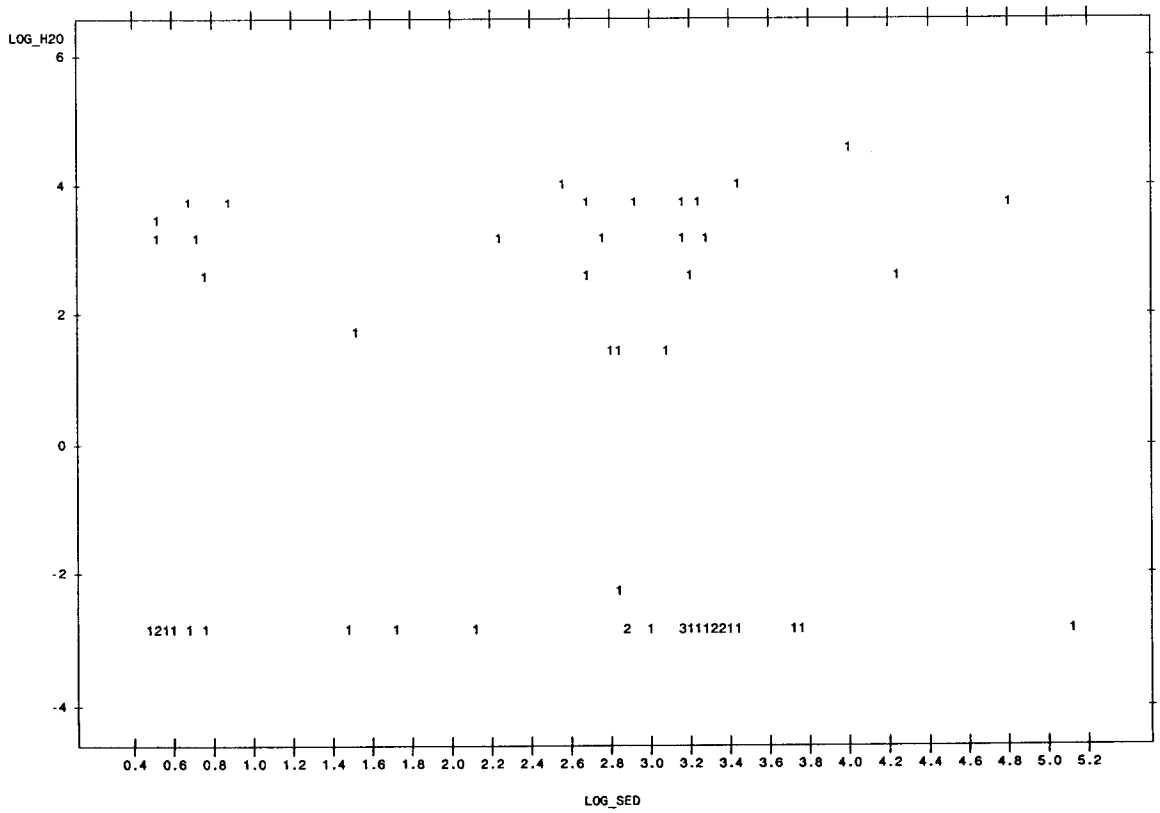
Source	DF	Sum of Squares	Mean Square	F Value	Prob>F
Model	1	0.00066	0.00066	0.000	0.9934
Error	52	507.60020	9.76154		
C Total	53	507.60086			

Root MSE	3.12435	R-square	0.0000
Dep Mean	-0.17533	Adj R-sq	-0.0192
C.V.	-1781.93921		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	T for H0: Parameter=0	Prob > |T|
INTERCEP	1	-0.182511	0.96807837	-0.189	0.8512
LOG_SED	1	0.002851	0.34555406	0.008	0.9934

---------- NAME OF FORMER VARIABLE=CR ----------



---------- NAME OF FORMER VARIABLE=CU_D ----------

Model: MODEL1
Dependent Variable: LOG_H2O

Analysis of Variance

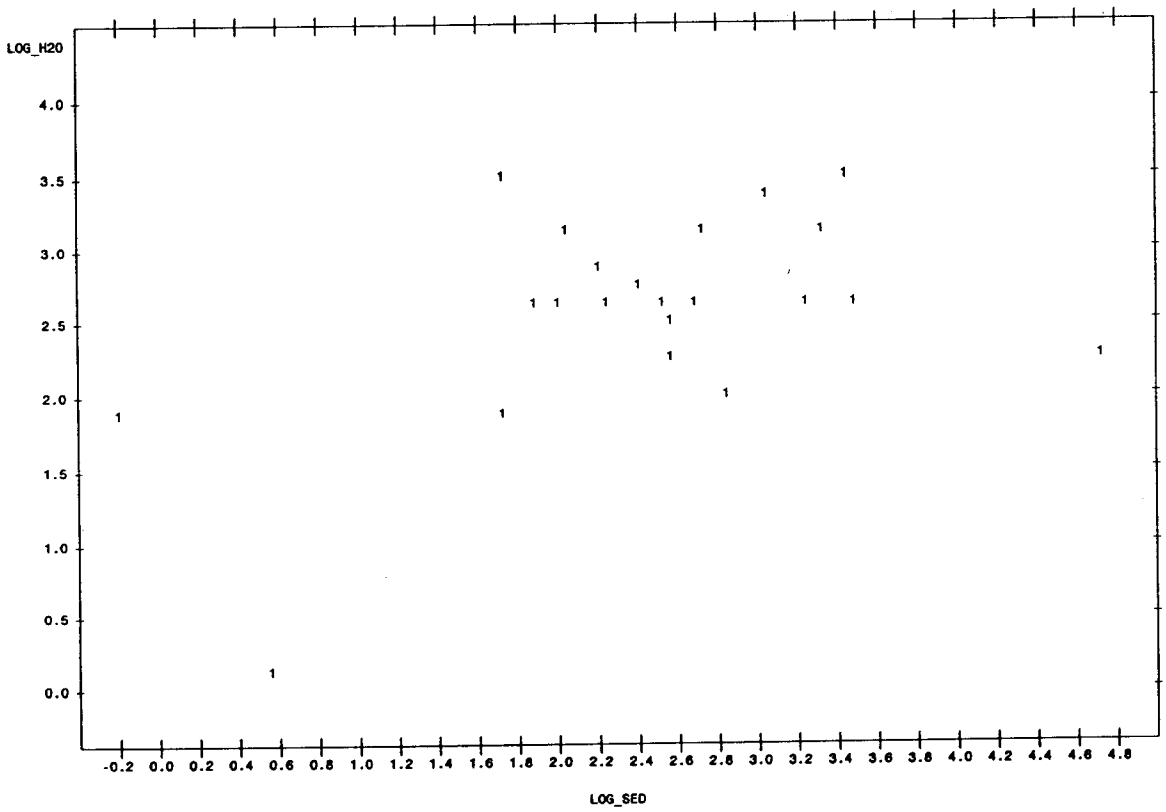
Source	DF	Sum of Squares	Mean Square	F Value	Prob>F
Model	1	2.29207	2.29207	5.354	0.0314
Error	20	8.56226	0.42811		
C Total	21	10.85433			

Root MSE	0.65430	R-square	0.2112
Dep Mean	2.58938	Adj R-sq	0.1717
C.V.	25.26872		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	T for H0: Parameter=0	Prob > |T|
INTERCEP	1	1.798155	0.36931129	4.869	0.0001
LOG_SED	1	0.324369	0.14018600	2.314	0.0314

---------- NAME OF FORMER VARIABLE=CU_D ----------



---------- NAME OF FORMER VARIABLE=CU_T ----------

Model: MODEL1
Dependent Variable: LOG_H2O

Analysis of Variance

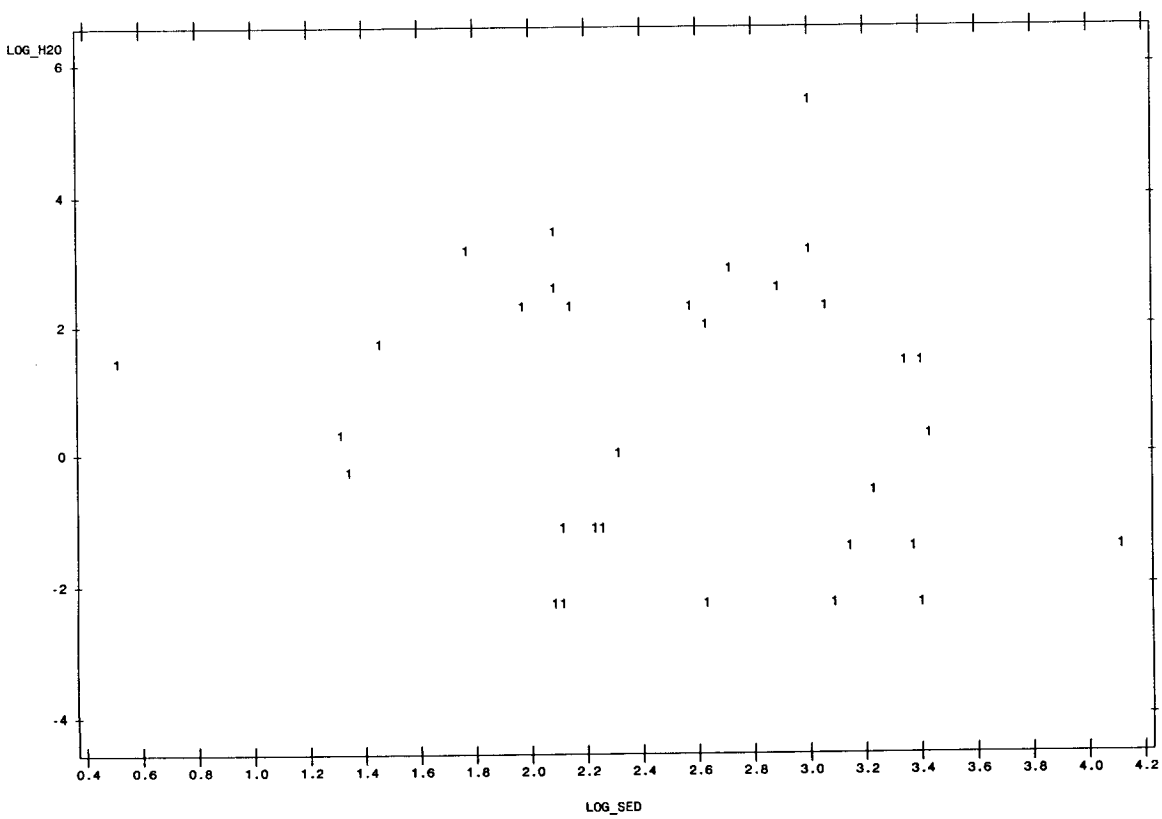
Source	DF	Sum of Squares	Mean Square	F Value	Prob>F
Model	1	3.34411	3.34411	0.745	0.3949
Error	30	134.65874	4.48862		
C Total	31	138.00285			

Root MSE	2.11864	R-square	0.0242
Dep Mean	0.66910	Adj R-sq	-0.0083
C.V.	316.64163		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	T for H0: Parameter=0	Prob > |T|
INTERCEP	1	1.740787	1.29686918	1.342	0.1896
LOG_SED	1	-0.424865	0.49222918	-0.863	0.3949

---------- NAME OF FORMER VARIABLE=CU_T ----------



---------- NAME OF FORMER VARIABLE=DAHA ----------

Model: MODEL1
Dependent Variable: LOG_H2O

Analysis of Variance

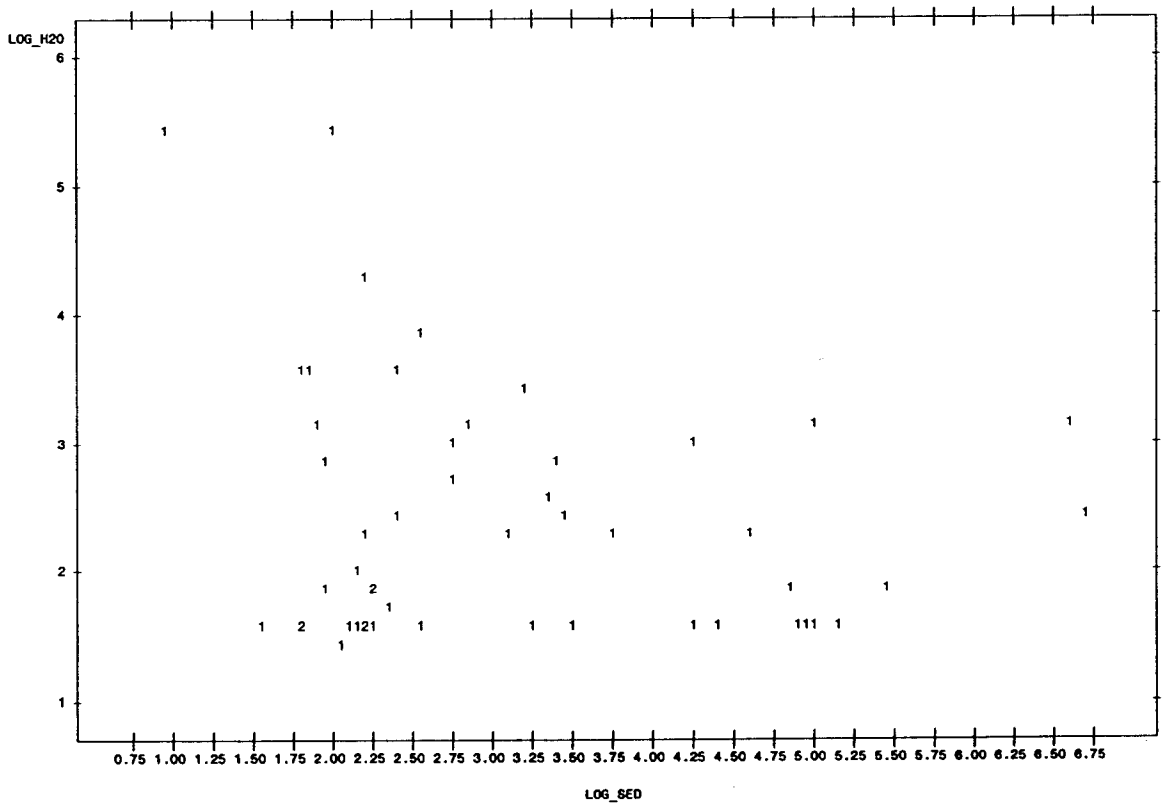
Source	DF	Sum of Squares	Mean Square	F Value	Prob>F
Model	1	1.99080	1.99080	2.136	0.1504
Error	48	44.73742	0.93203		
C Total	49	46.72822			

Root MSE	0.96542	R-square	0.0426
Dep Mean	2.41797	Adj R-sq	0.0227
C.V.	39.92668		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	T for H0: Parameter=0	Prob > |T|
INTERCEP	1	2.879826	0.34424510	8.366	0.0001
LOG_SED	1	-0.148753	0.10178137	-1.461	0.1504

---------- NAME OF FORMER VARIABLE=DAHA ----------



---------- NAME OF FORMER VARIABLE=DDD ----------

Model: MODEL1
Dependent Variable: LOG_H2O

Analysis of Variance

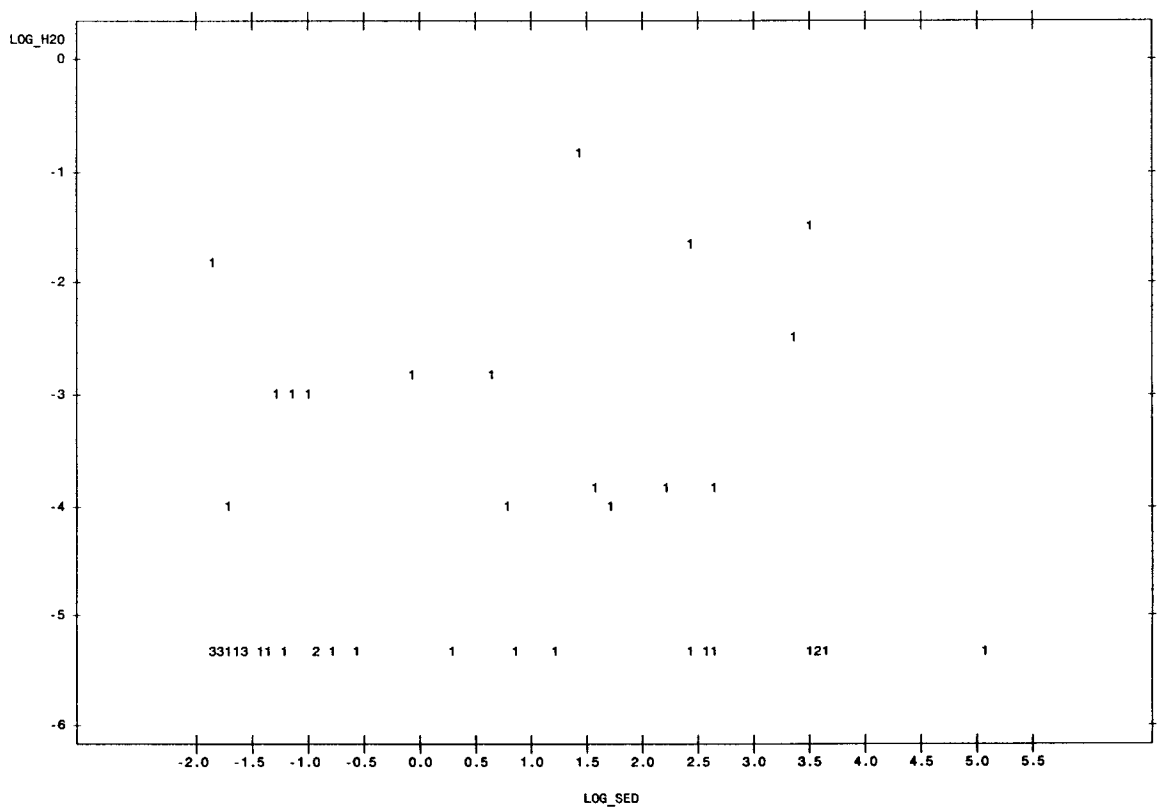
Source	DF	Sum of Squares	Mean Square	F Value	Prob>F
Model	1	2.44044	2.44044	1.477	0.2308
Error	43	71.03286	1.65193		
C Total	44	73.47330			

Root MSE	1.28527	R-square	0.0332
Dep Mean	-4.44859	Adj R-sq	0.0107
C.V.	-28.89171		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	T for H0: Parameter=0	Prob > |T|
INTERCEP	1	-4.489728	0.19456401	-23.076	0.0001
LOG_SED	1	0.112351	0.09243525	1.215	0.2308

---------- NAME OF FORMER VARIABLE=DDD ----------



---------- NAME OF FORMER VARIABLE=DDE ----------

Model: MODEL1
Dependent Variable: LOG_H2O

Analysis of Variance

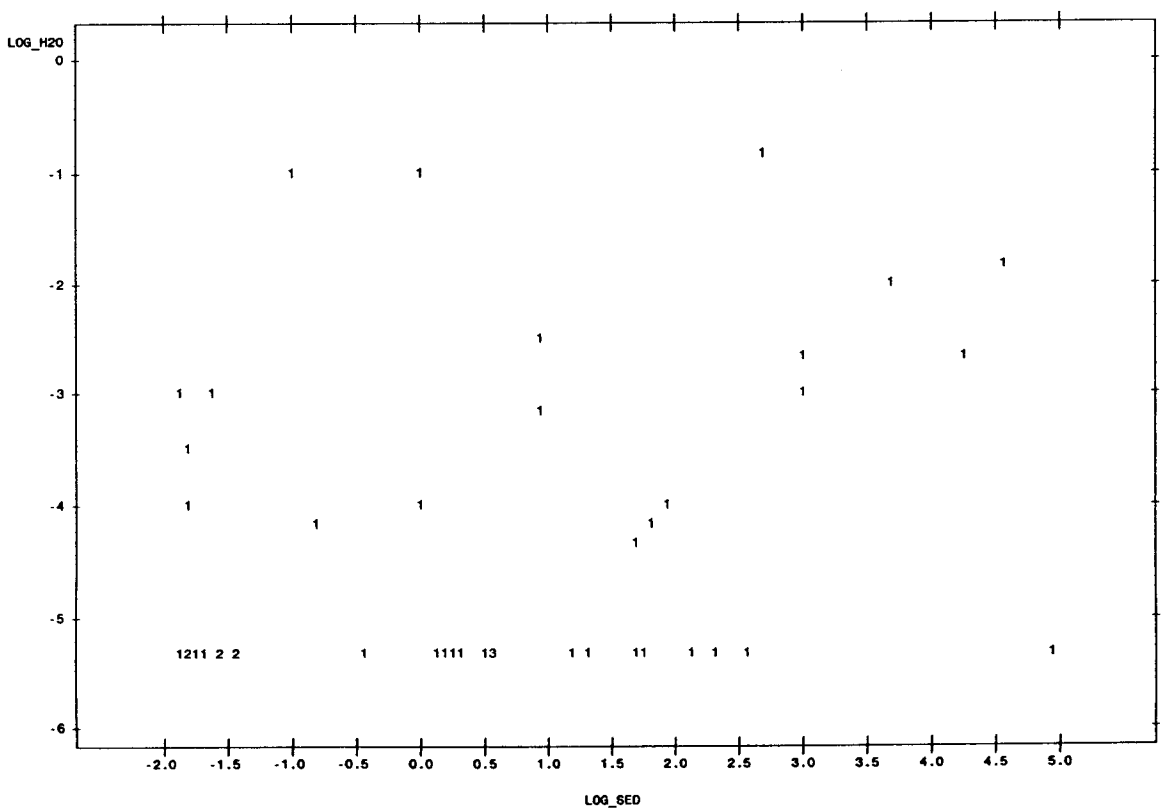
Source	DF	Sum of Squares	Mean Square	F Value	Prob>F
Model	1	5.81009	5.81009	3.113	0.0848
Error	43	80.26459	1.86662		
C Total	44	86.07468			

Root MSE	1.36624	R-square	0.0675
Dep Mean	-4.28326	Adj R-sq	0.0458
C.V.	-31.89725		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	T for H0: Parameter=0	Prob > |T|
INTERCEP	1	-4.387879	0.21212436	-20.685	0.0001
LOG_SED	1	0.187115	0.10605831	1.764	0.0848

---------- NAME OF FORMER VARIABLE=DDE ----------



---------- NAME OF FORMER VARIABLE=DDT ----------

Model: MODEL1
Dependent Variable: LOG_H2O

Analysis of Variance

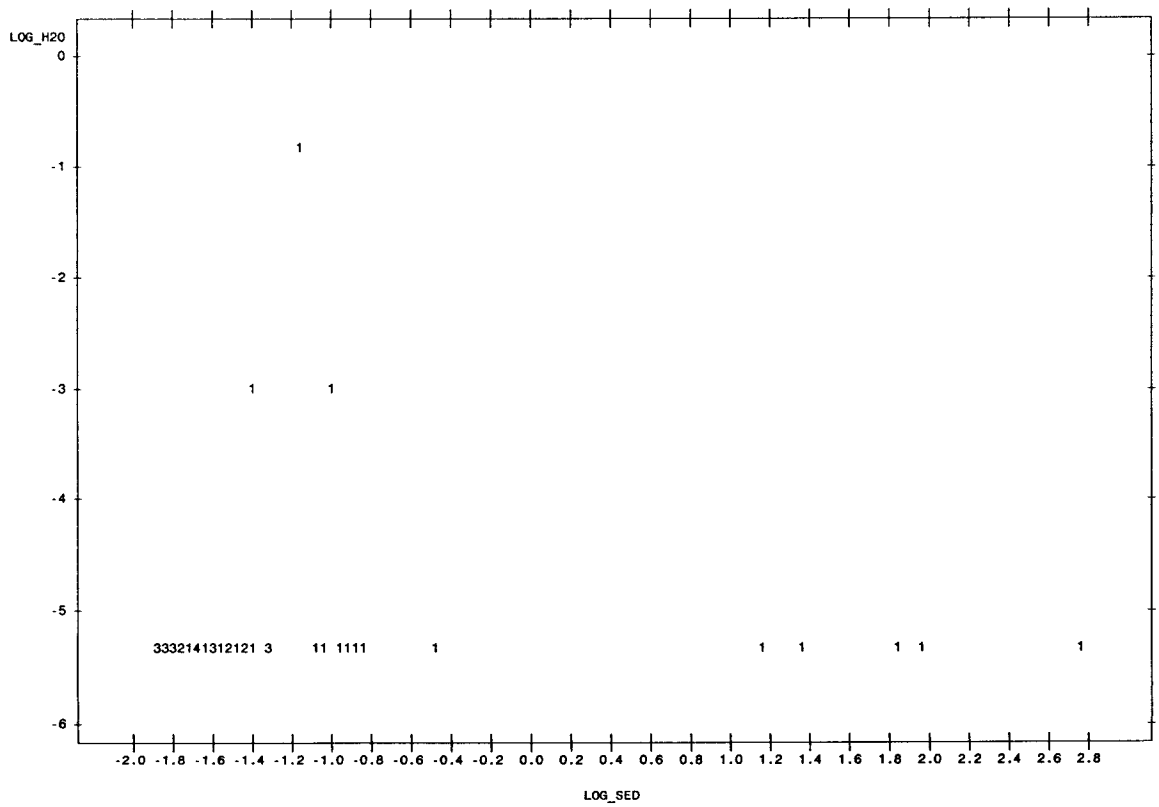
Source	DF	Sum of Squares	Mean Square	F Value	Prob>F
Model	1	0.00489	0.00489	0.008	0.9314
Error	43	28.00618	0.65131		
C Total	44	28.01107			

Root MSE	0.80704	R-square	0.0002
Dep Mean	-5.09860	Adj R-sq	-0.0231
C.V.	-15.82857		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	T for H0: Parameter=0	Prob > |T|
INTERCEP	1	-5.109127	0.17096961	-29.883	0.0001
LOG_SED	1	-0.009484	0.10946123	-0.087	0.9314

---------- NAME OF FORMER VARIABLE=DDT ----------



---------- NAME OF FORMER VARIABLE=DIELDRIN ----------

Model: MODEL1
Dependent Variable: LOG_H2O

Analysis of Variance

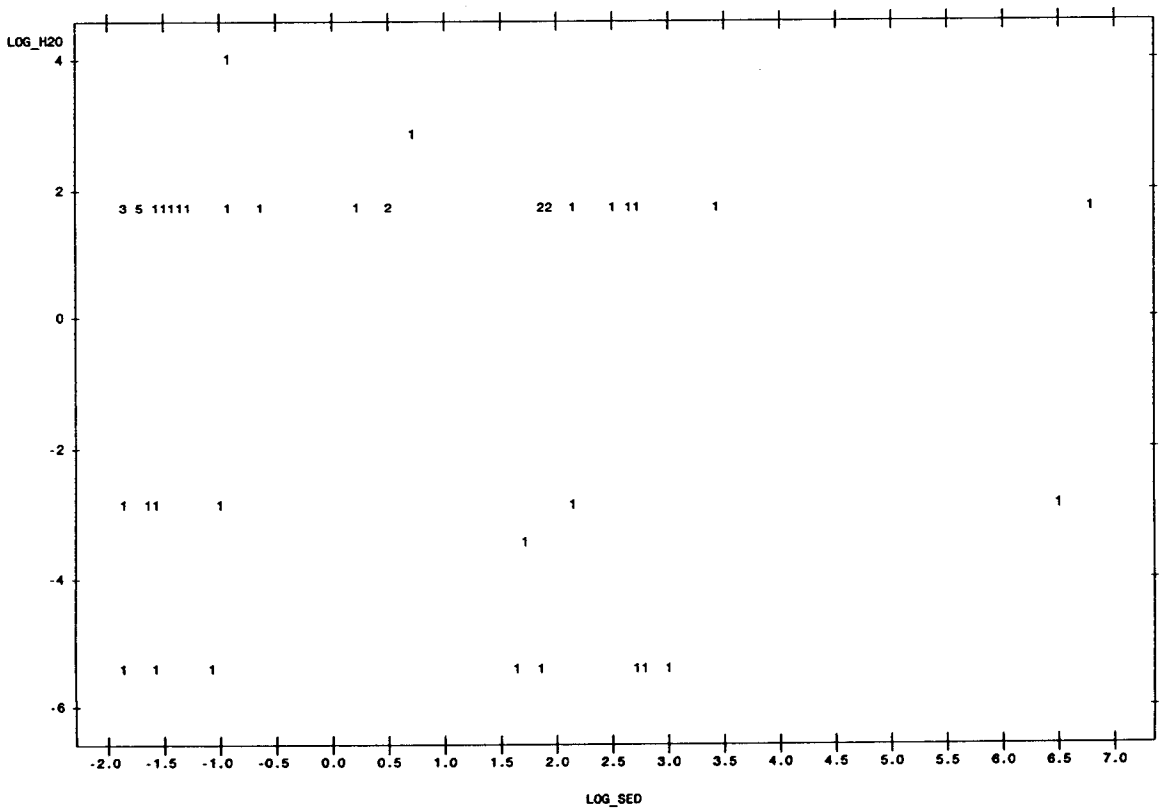
Source	DF	Sum of Squares	Mean Square	F Value	Prob>F
Model	1	7.25619	7.25619	0.831	0.3672
Error	43	375.67776	8.73669		
C Total	44	382.93395			

Root MSE	2.95579	R-square	0.0189
Dep Mean	-0.26652	Adj R-sq	-0.0039
C.V.	-1109.02606		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	T for H0: Parameter=0	Prob > |T|
INTERCEP	1	-0.196040	0.44735879	-0.438	0.6634
LOG_SED	1	-0.179828	0.19732241	-0.911	0.3672

---------- NAME OF FORMER VARIABLE=DIELDRIN ----------



---------- NAME OF FORMER VARIABLE=EN1 ----------

Model: MODEL1
Dependent Variable: LOG_H20

Analysis of Variance

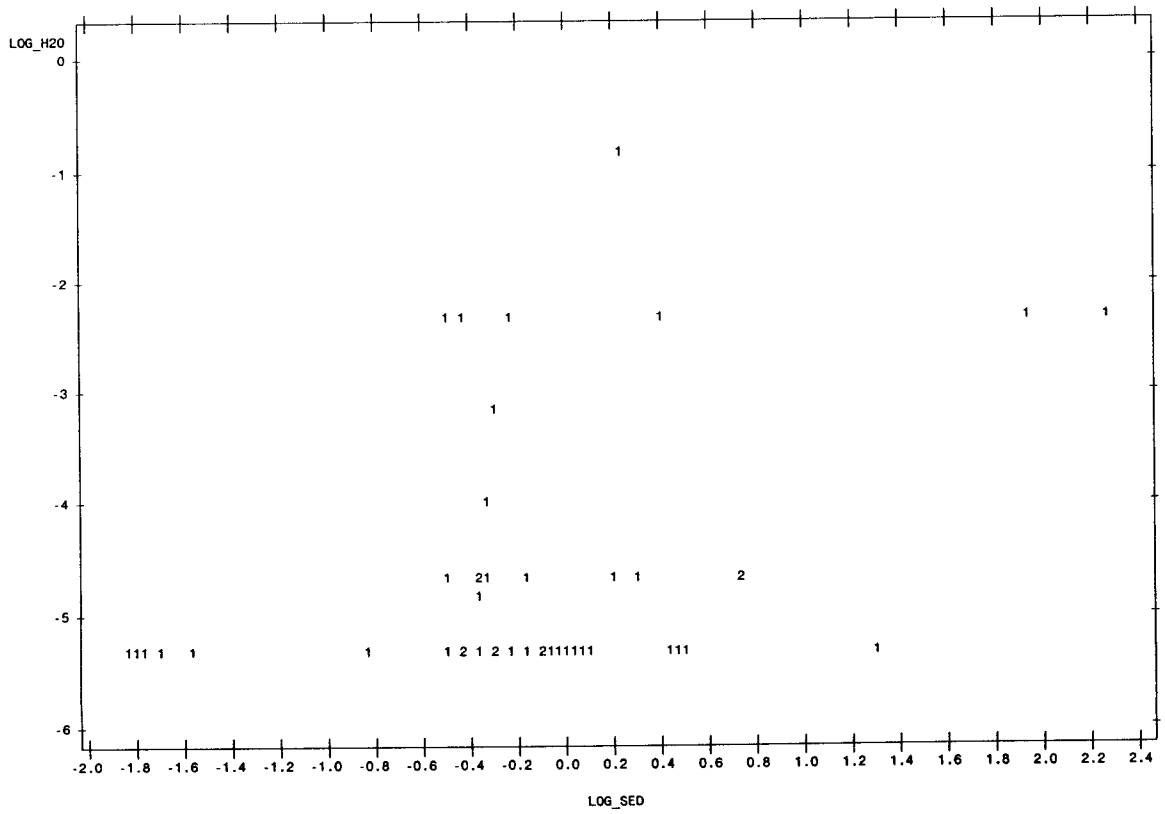
Source	DF	Sum of Squares	Mean Square	F Value	Prob>F
Model	1	7.58520	7.58520	6.179	0.0169
Error	43	52.78948	1.22766		
C Total	44	60.37469			

Root MSE	1.10800	R-square	0.1256
Dep Mean	-4.57556	Adj R-sq	0.1053
C.V.	-24.21558		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	T for H0: Parameter=0	Prob > |T|
INTERCEP	1	-4.501929	0.16780629	-26.828	0.0001
LOG_SED	1	0.503535	0.20257499	2.486	0.0169

---------- NAME OF FORMER VARIABLE=EN1 ----------



---------- NAME OF FORMER VARIABLE=EN2 ----------

Model: MODEL1
Dependent Variable: LOG_H2O

Analysis of Variance

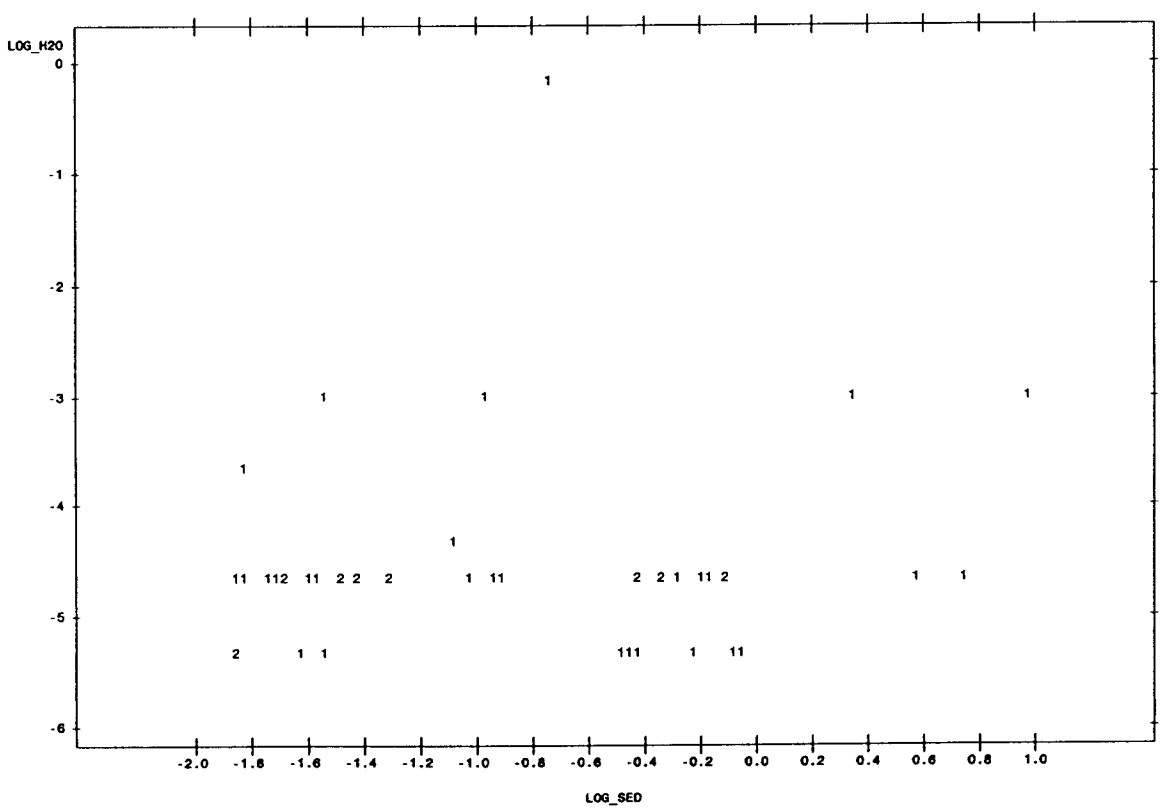
Source	DF	Sum of Squares	Mean Square	F Value	Prob>F
Model	1	0.40209	0.40209	0.504	0.4816
Error	43	34.30364	0.79776		
C Total	44	34.70574			

Root MSE	0.89317	R-square	0.0116
Dep Mean	-4.49257	Adj R-sq	-0.0114
C.V.	-19.88112		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	T for H0: Parameter=0	Prob > |T|
INTERCEP	1	-4.384777	0.20194395	-21.713	0.0001
LOG_SED	1	0.121852	0.17163506	0.710	0.4816

---------- NAME OF FORMER VARIABLE=EN2 ----------



---------- NAME OF FORMER VARIABLE=ENDRIN ----------

Model: MODEL1
Dependent Variable: LOG_H2O

Analysis of Variance

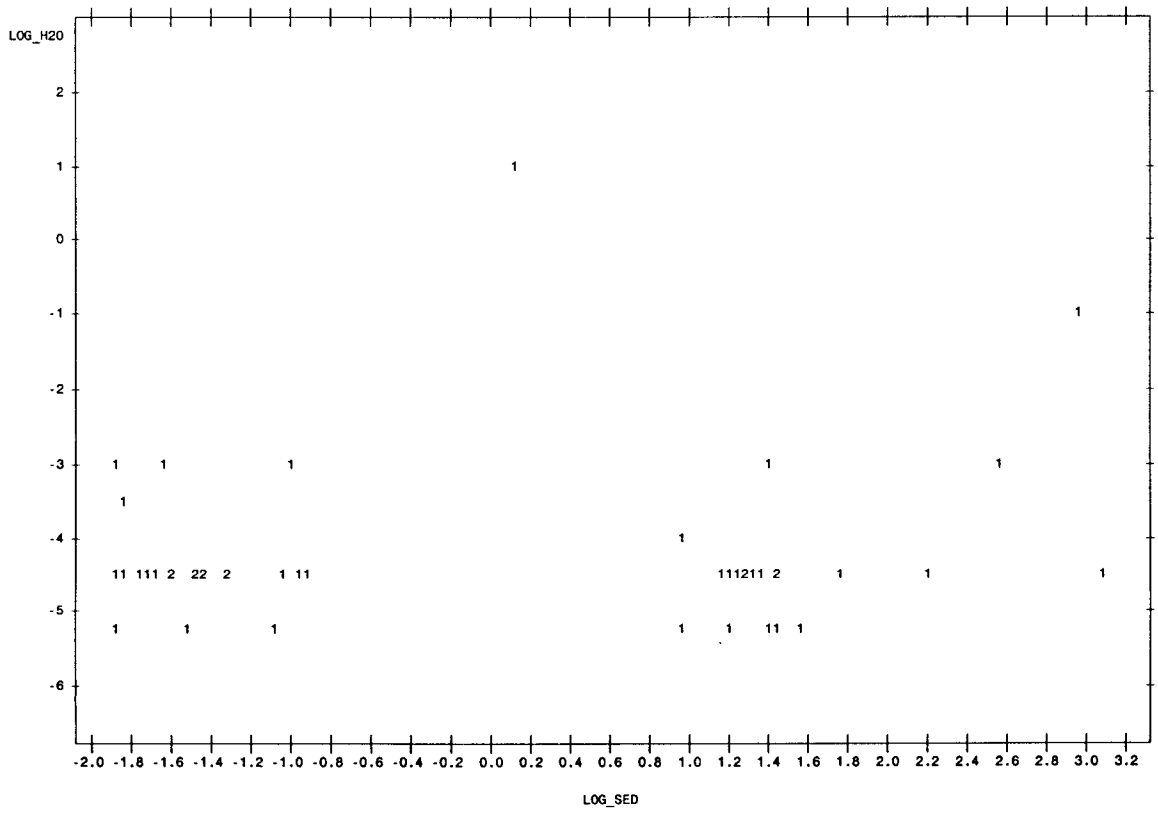
Source	DF	Sum of Squares	Mean Square	F Value	Prob>F
Model	1	0.56346	0.56346	0.404	0.5283
Error	43	59.94093	1.39398		
C Total	44	60.50439			

Root MSE	1.18067	R-square	0.0093
Dep Mean	-4.29881	Adj R-sq	-0.0137
C.V.	-27.46499		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	T for H0: Parameter=0	Prob > |T|
INTERCEP	1	-4.297414	0.17601714	-24.415	0.0001
LOG_SED	1	0.070645	0.11111584	0.636	0.5283

---------- NAME OF FORMER VARIABLE=ENDRIN ----------



---------- NAME OF FORMER VARIABLE=ENDRIN_A ----------

Model: MODEL1
Dependent Variable: LOG_H2O

Analysis of Variance

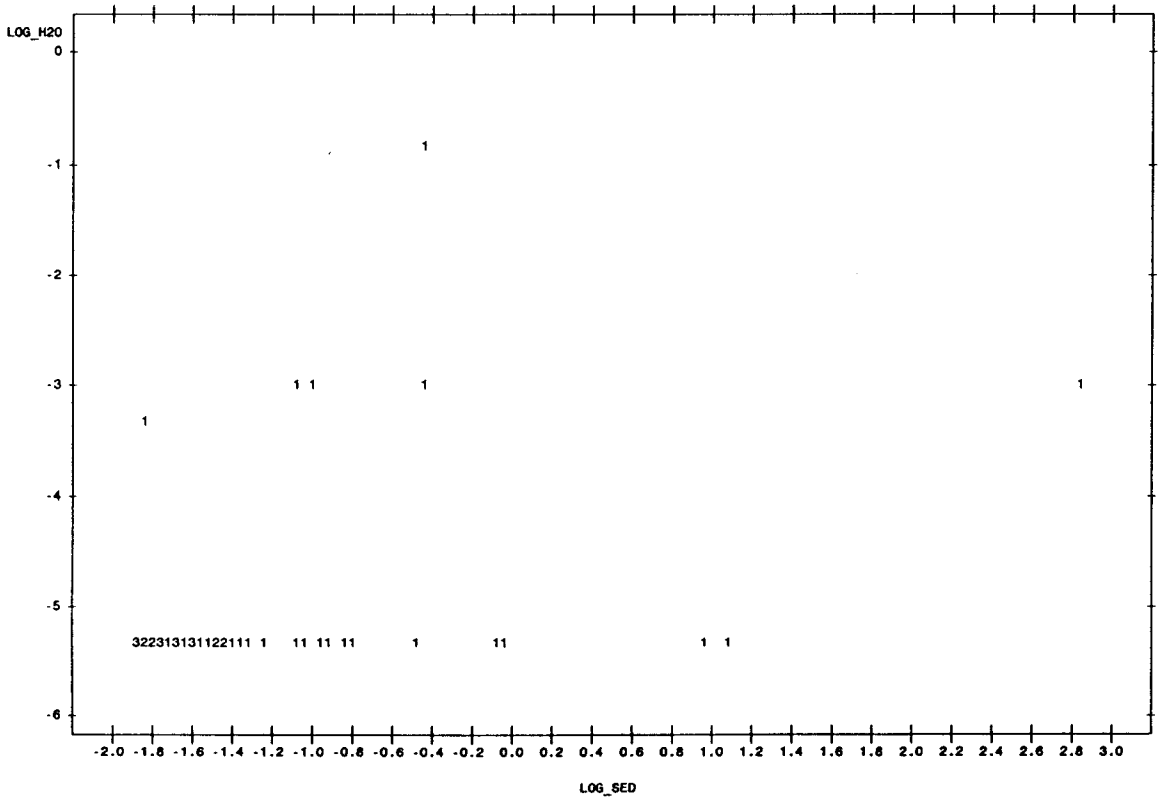
Source	DF	Sum of Squares	Mean Square	F Value	Prob>F
Model	1	4.59921	4.59921	5.732	0.0211
Error	43	34.50169	0.80236		
C Total	44	39.10090			

Root MSE	0.89575	R-square	0.1176
Dep Mean	-4.95119	Adj R-sq	0.0971
C.V.	-18.09156		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	T for H0: Parameter=0	Prob > |T|
INTERCEP	1	-4.547581	0.21505837	-21.146	0.0001
LOG_SED	1	0.351046	0.14662510	2.394	0.0211

---------- NAME OF FORMER VARIABLE=ENDRIN_A ----------



---------- NAME OF FORMER VARIABLE=ENDRIN_K ----------

Model: MODEL1
Dependent Variable: LOG_H2O

Analysis of Variance

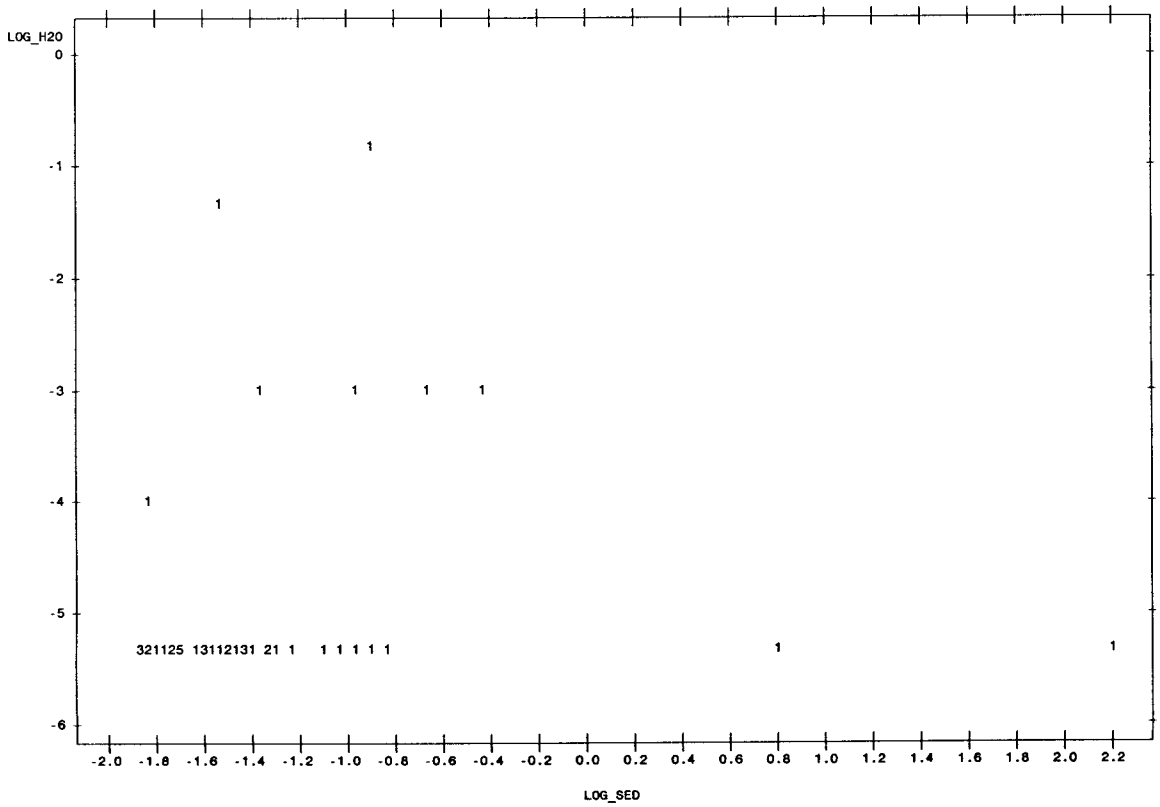
Source	DF	Sum of Squares	Mean Square	F Value	Prob>F
Model	1	0.88820	0.88820	0.789	0.3794
Error	43	48.41316	1.12589		
C Total	44	49.30136			

Root MSE	1.06108	R-square	0.0180
Dep Mean	-4.88152	Adj R-sq	-0.0048
C.V.	-21.73665		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	T for H0: Parameter=0	Prob > |T|
INTERCEP	1	-4.621298	0.33294855	-13.880	0.0001
LOG_SED	1	0.197711	0.22259940	0.888	0.3794

---------- NAME OF FORMER VARIABLE=ENDRIN_K ----------



---------- NAME OF FORMER VARIABLE=ENS ----------

Model: MODEL1
Dependent Variable: LOG_H2O

Analysis of Variance

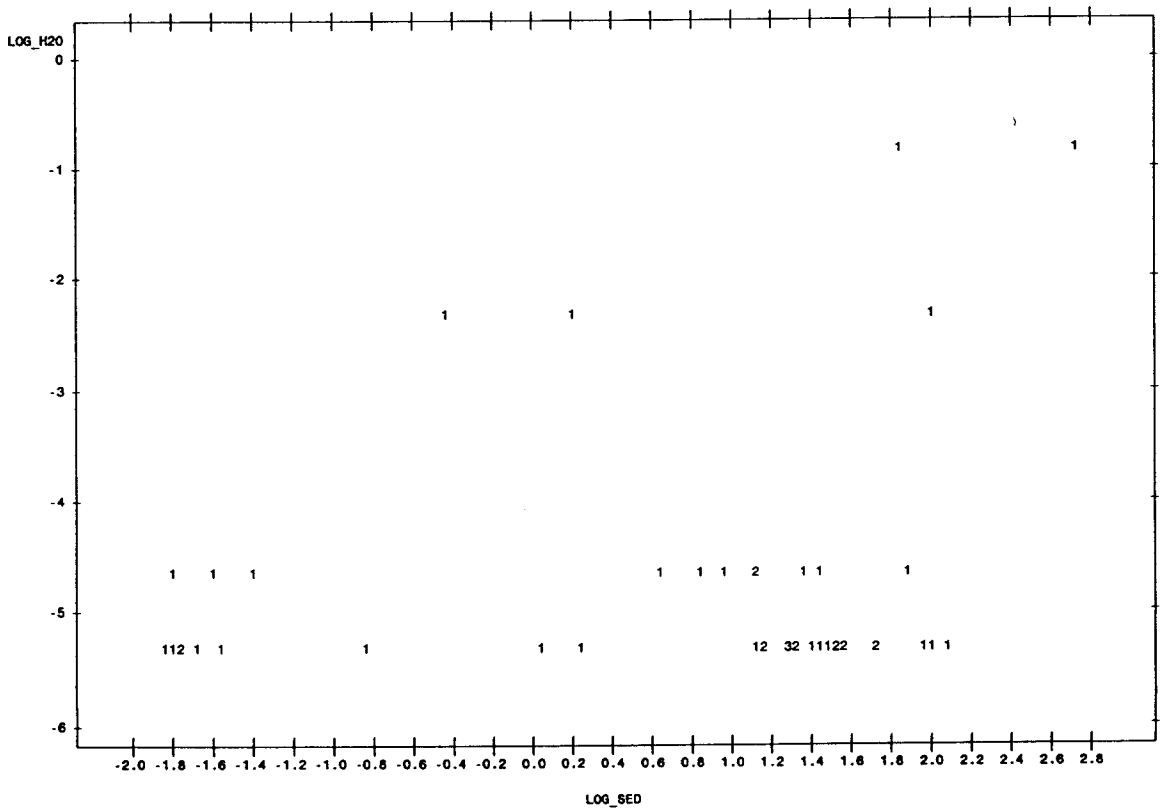
Source	DF	Sum of Squares	Mean Square	F Value	Prob>F
Model	1	1.67232	1.67232	1.316	0.2576
Error	43	54.63055	1.27048		
C Total	44	56.30287			

Root MSE	1.12715	R-square	0.0297
Dep Mean	-4.73441	Adj R-sq	0.0071
C.V.	-23.80772		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	T for H0: Parameter=0	Prob > |T|
INTERCEP	1	-4.829999	0.18754889	-25.753	0.0001
LOG_SED	1	0.144690	0.12611388	1.147	0.2576

---------- NAME OF FORMER VARIABLE=ENS ----------



---------- NAME OF FORMER VARIABLE=FLOURAN ----------

Model: MODEL1
Dependent Variable: LOG_H2O

Analysis of Variance

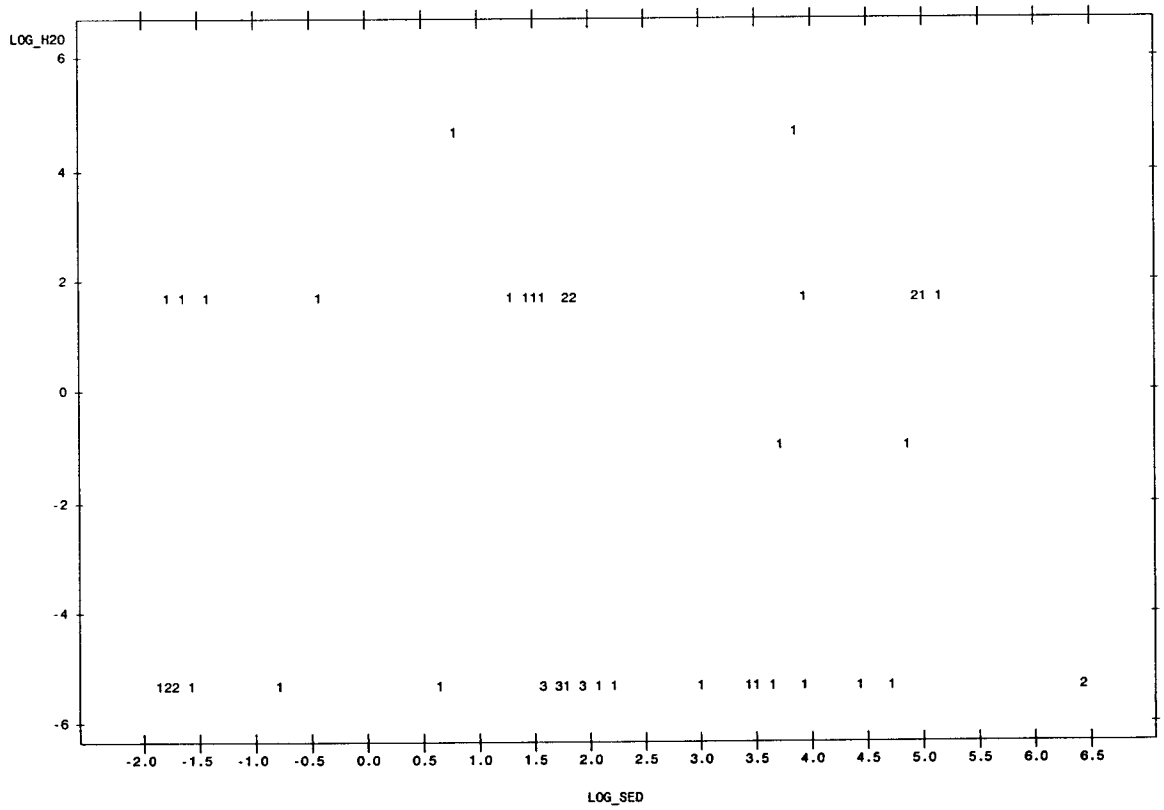
Source	DF	Sum of Squares	Mean Square	F Value	Prob>F
Model	1	2.24167	2.24167	0.173	0.6794
Error	48	622.33118	12.96523		
C Total	49	624.57285			

Root MSE	3.60073	R-square	0.0036
Dep Mean	-2.37097	Adj R-sq	-0.0172
C.V.	-151.86742		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	T for H0: Parameter=0	Prob > |T|
INTERCEP	1	-2.548559	0.66461802	-3.835	0.0004
LOG_SED	1	0.092898	0.22341298	0.416	0.6794

---------- NAME OF FORMER VARIABLE=FLOURAN ----------



---------- NAME OF FORMER VARIABLE=FLOURENE ----------

Model: MODEL1
Dependent Variable: LOG_H2O

Analysis of Variance

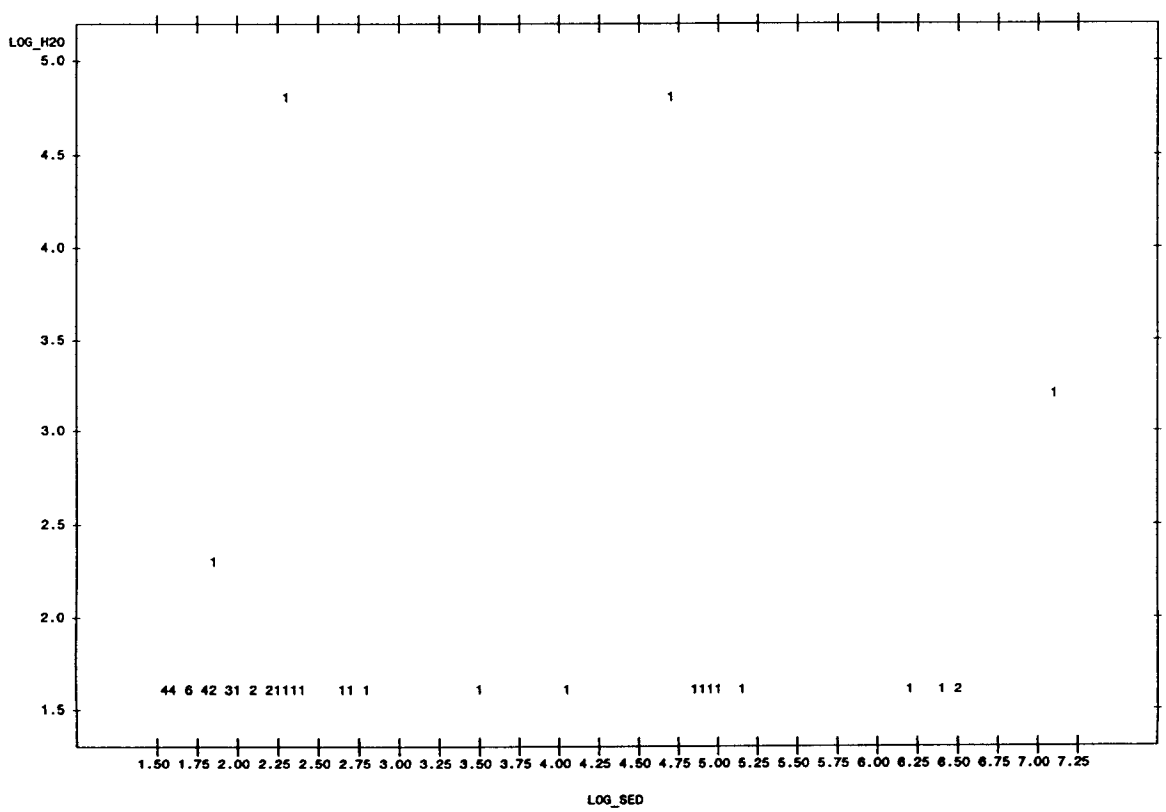
Source	DF	Sum of Squares	Mean Square	F Value	Prob>F
Model	1	0.83268	0.83268	1.909	0.1735
Error	48	20.93866	0.43622		
C Total	49	21.77134			

Root MSE	0.66047	R-square	0.0382
Dep Mean	1.78261	Adj R-sq	0.0182
C.V.	37.05075		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	T for H0: Parameter=0	Prob > |T|
INTERCEP	1	1.556877	0.18820045	8.272	0.0001
LOG_SED	1	0.079716	0.05769825	1.382	0.1735

---------- NAME OF FORMER VARIABLE=FLOURENE ----------



---------- NAME OF FORMER VARIABLE=HG_D ----------

Model: MODEL1
Dependent Variable: LOG_H2O

Analysis of Variance

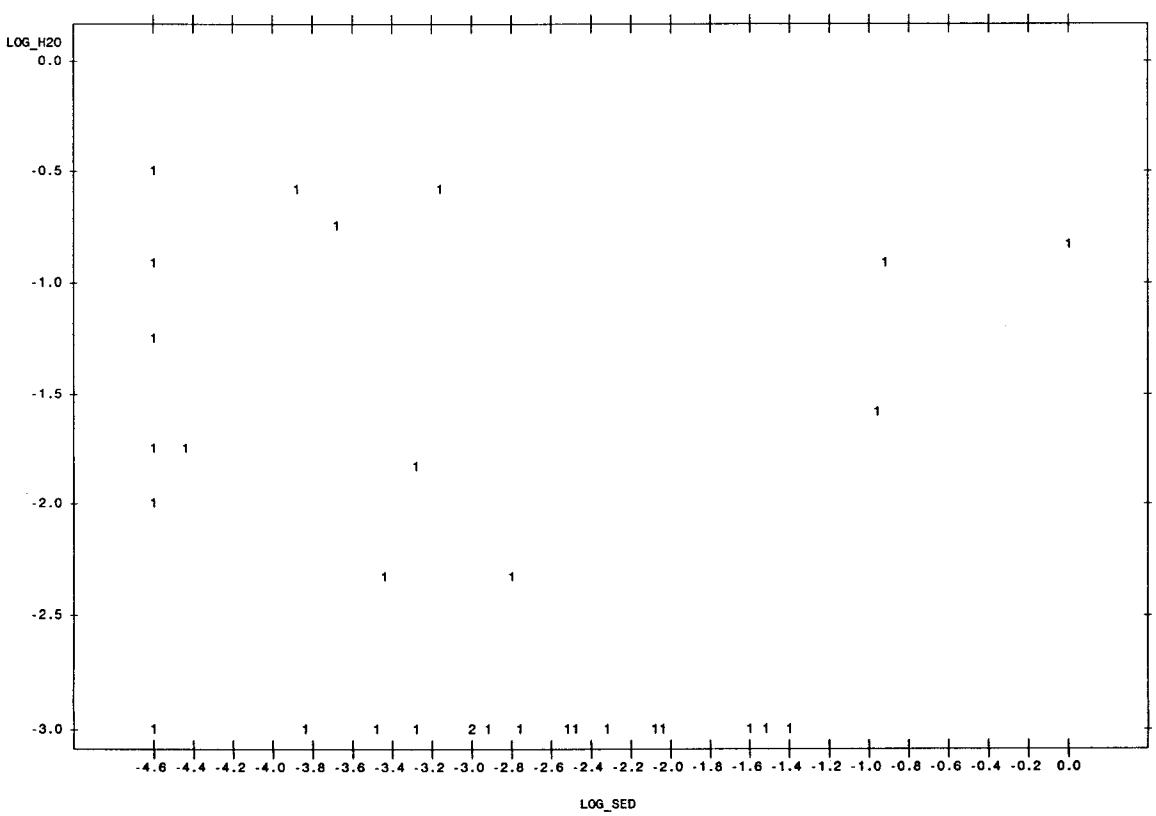
Source	DF	Sum of Squares	Mean Square	F Value	Prob>F
Model	1	0.99254	0.99254	1.072	0.3090
Error	29	26.84394	0.92565		
C Total	30	27.83648			

Root MSE	0.96211	R-square	0.0357
Dep Mean	-2.18218	Adj R-sq	0.0024
C.V.	-44.08924		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	T for H0: Parameter=0	Prob > |T|
INTERCEP	1	-2.614895	0.45219547	-5.783	0.0001
LOG_SED	1	-0.145154	0.14017847	-1.035	0.3090

---------- NAME OF FORMER VARIABLE=HG_D ----------



---------- NAME OF FORMER VARIABLE=HG_T ----------

Model: MODEL1
Dependent Variable: LOG_H20

Analysis of Variance

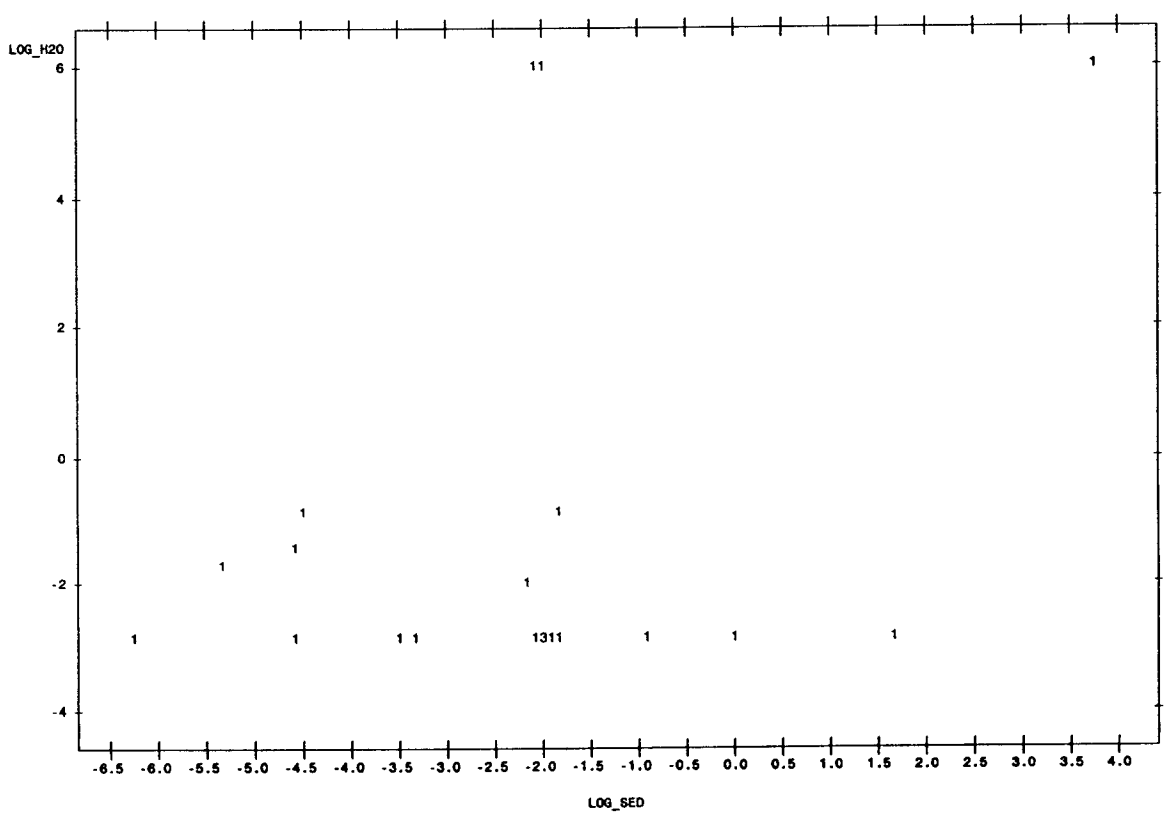
Source	DF	Sum of Squares	Mean Square	F Value	Prob>F
Model	1	20.72286	20.72286	2.292	0.1465
Error	19	171.77879	9.04099		
C Total	20	192.50165			

Root MSE	3.00682	R-square	0.1077
Dep Mean	-1.37079	Adj R-sq	0.0607
C.V.	-219.35047		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	T for H0: Parameter=0	Prob > |T|
INTERCEP	1	-0.359782	0.93619307	-0.384	0.7050
LOG_SED	1	0.446702	0.29505345	1.514	0.1465

---------- NAME OF FORMER VARIABLE=HG_T ----------



---------- NAME OF FORMER VARIABLE=HIMWPAH ----------

Model: MODEL1
Dependent Variable: LOG_H2O

Analysis of Variance

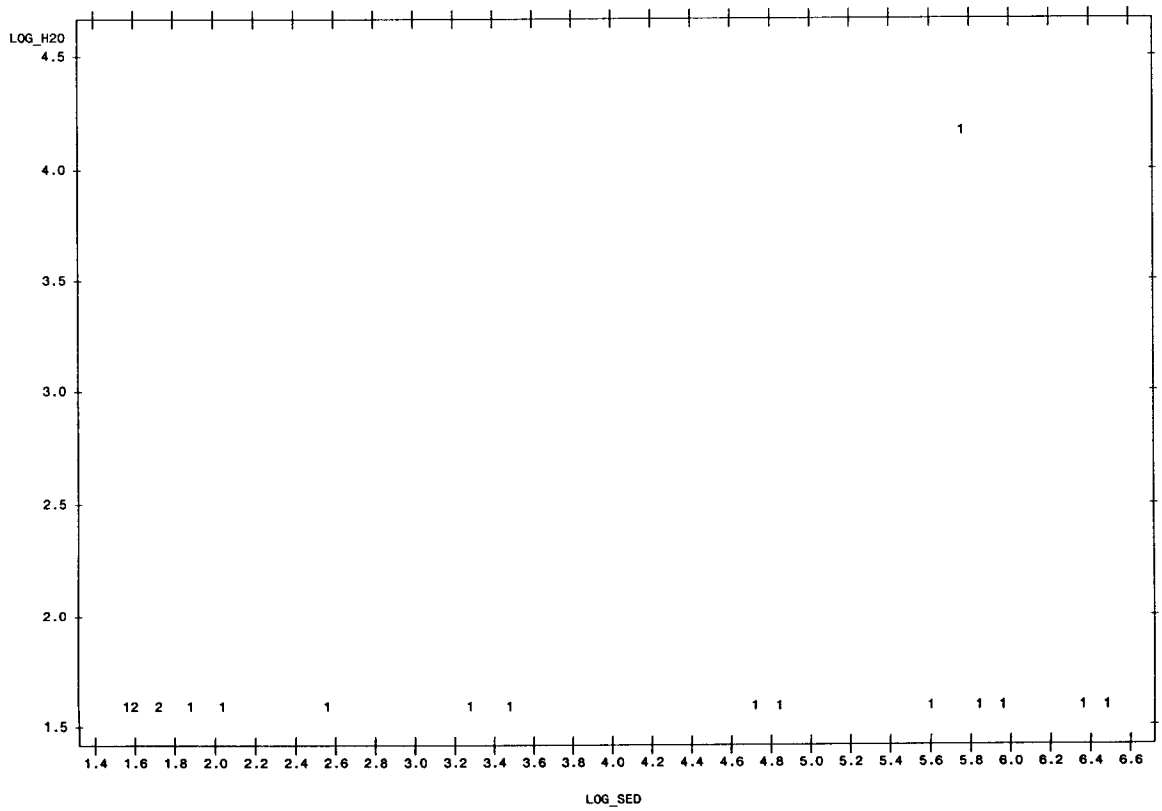
Source	DF	Sum of Squares	Mean Square	F Value	Prob>F
Model	1	0.42132	0.42132	1.179	0.2936
Error	16	5.71726	0.35733		
C Total	17	6.13858			

Root MSE	0.59777	R-square	0.0686
Dep Mean	1.75107	Adj R-sq	0.0104
C.V.	34.13733		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	T for H0: Parameter=0	Prob > |T|
INTERCEP	1	1.447600	0.31298650	4.625	0.0003
LOG_SED	1	0.081482	0.07503982	1.086	0.2936

---------- NAME OF FORMER VARIABLE=HIMWPAH ----------



NAME OF FORMER VARIABLE=I123CDP

Model: MODEL1
Dependent Variable: LOG_H2O

Analysis of Variance

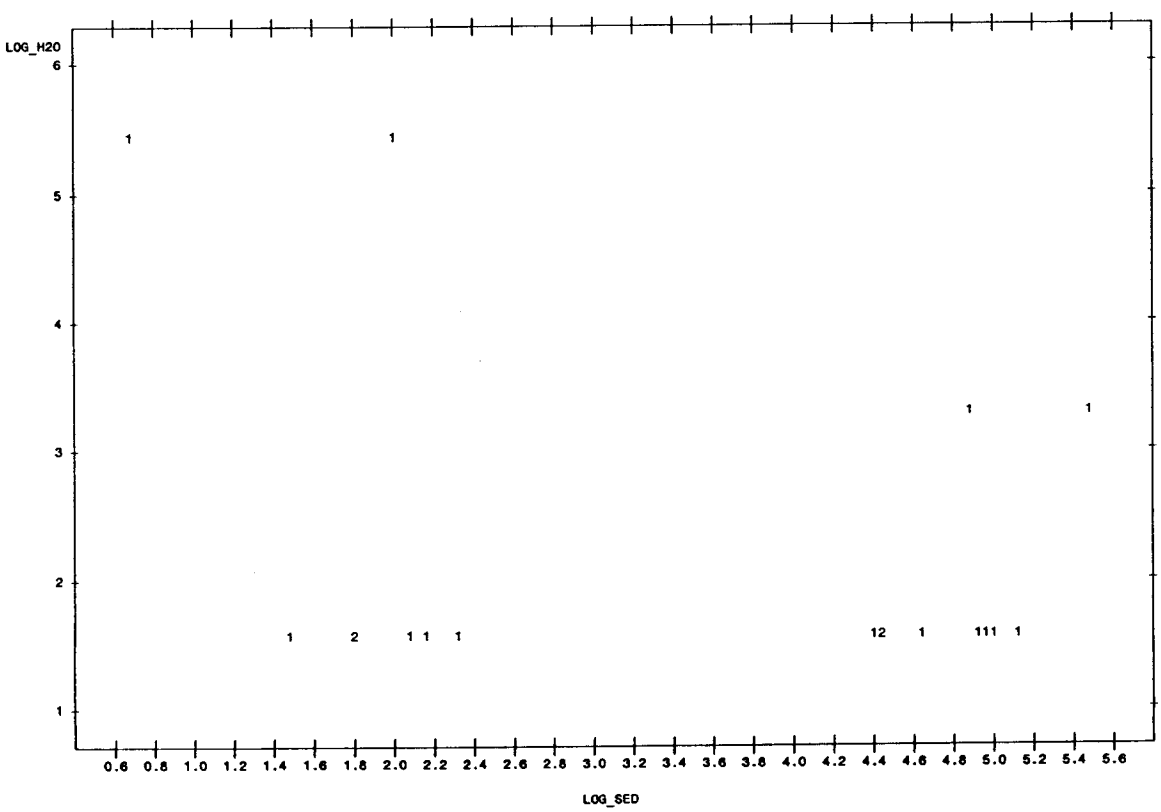
Source	DF	Sum of Squares	Mean Square	F Value	Prob>F
Model	1	2.59893	2.59893	1.587	0.2258
Error	16	26.19759	1.63735		
C Total	17	28.79652			

Root MSE	1.27959	R-square	0.0903
Dep Mean	2.22695	Adj R-sq	0.0334
C.V.	57.45931		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	T for H0: Parameter=0	Prob > |T|
INTERCEP	1	3.072168	0.73555394	4.177	0.0007
LOG_SED	1	-0.243237	0.19306467	-1.260	0.2258

NAME OF FORMER VARIABLE=I123CDP



---------- NAME OF FORMER VARIABLE=LOMWPAH ----------

Model: MODEL1
Dependent Variable: LOG_H2O

Analysis of Variance

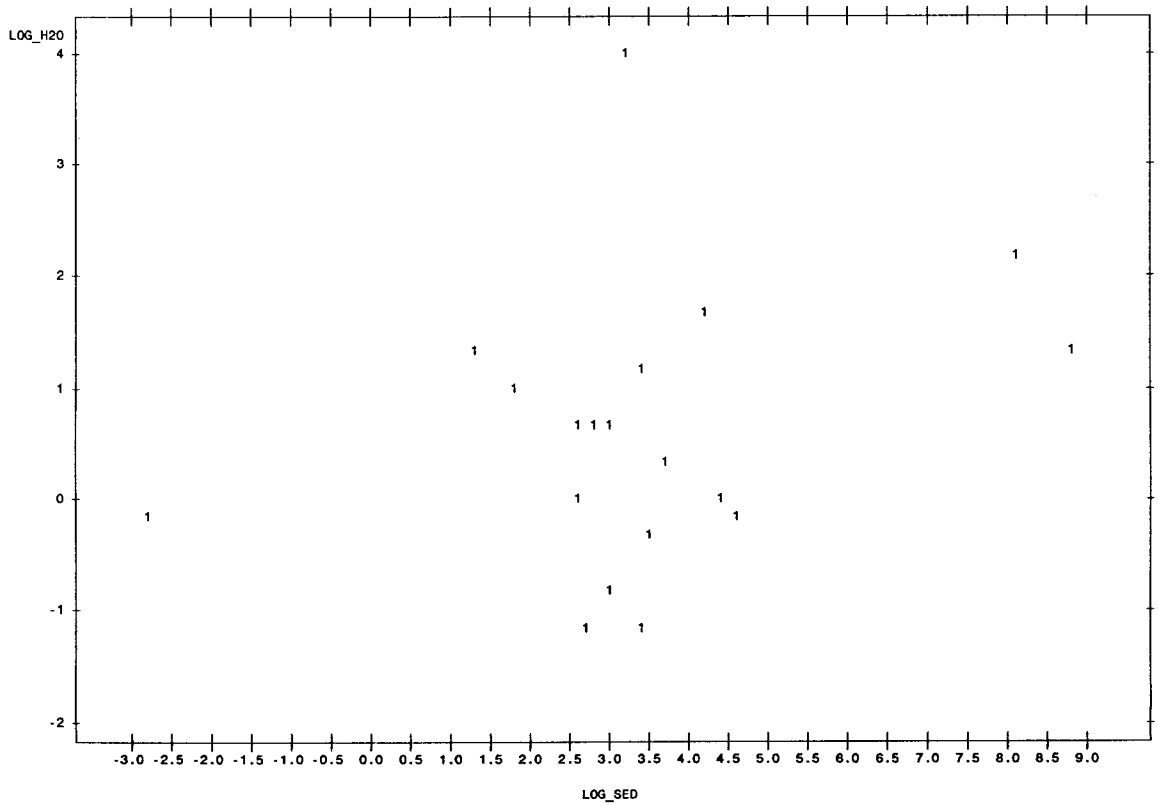
Source	DF	Sum of Squares	Mean Square	F Value	Prob>F
Model	1	2.06949	2.06949	1.367	0.2585
Error	17	25.74212	1.51424		
C Total	18	27.81162			

Root MSE	1.23055	R-square	0.0744
Dep Mean	0.57572	Adj R-sq	0.0200
C.V.	213.74135		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	T for H0: Parameter=0	Prob > |T|
INTERCEP	1	0.094571	0.49908562	0.189	0.8520
LOG_SED	1	0.142180	0.12161992	1.169	0.2585

---------- NAME OF FORMER VARIABLE=LOMWPAH ----------



---------- NAME OF FORMER VARIABLE=NAPHTHAL ----------

Model: MODEL1
Dependent Variable: LOG_H2O

Analysis of Variance

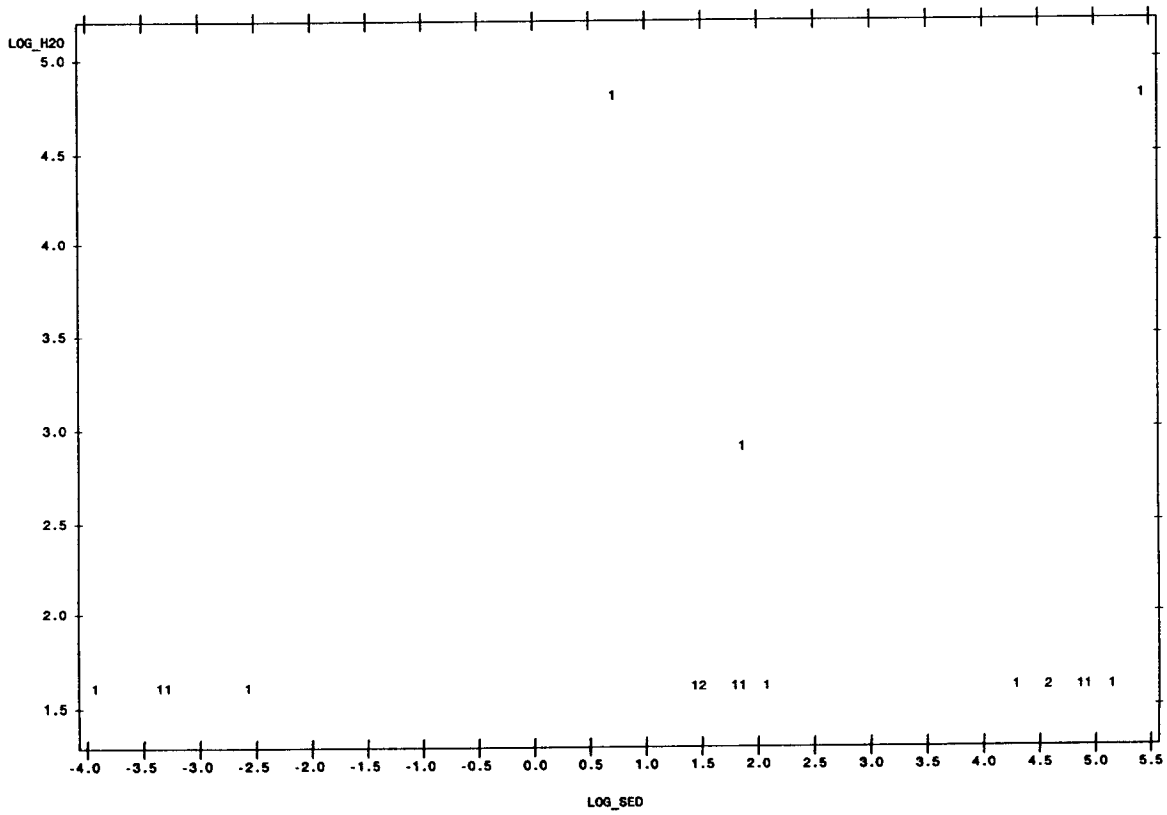
Source	DF	Sum of Squares	Mean Square	F Value	Prob>F
Model	1	0.40678	0.40678	0.377	0.5476
Error	17	18.36436	1.08026		
C Total	18	18.77114			

Root MSE	1.03935	R-square	0.0217
Dep Mean	2.01139	Adj R-sq	-0.0359
C.V.	51.67347		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	T for H0: Parameter=0	Prob > |T|
INTERCEP	1	1.925816	0.27622701	6.972	0.0001
LOG_SED	1	0.048746	0.07943743	0.614	0.5476

---------- NAME OF FORMER VARIABLE=NAPHTHAL ----------



---------- NAME OF FORMER VARIABLE=NI_D ----------

Model: MODEL1
Dependent Variable: LOG_H2O

Analysis of Variance

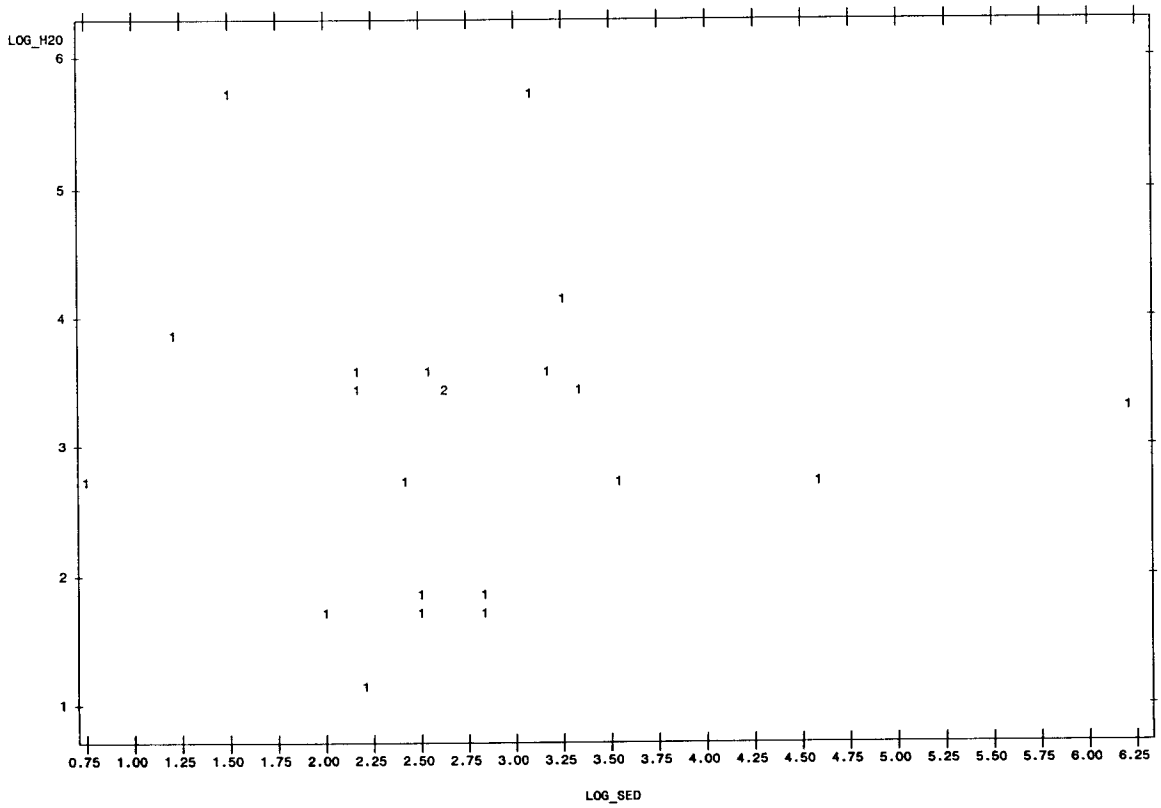
Source	DF	Sum of Squares	Mean Square	F Value	Prob>F
Model	1	0.00031	0.00031	0.000	0.9888
Error	20	30.53343	1.52667		
C Total	21	30.53374			

Root MSE	1.23559	R-square	0.0000
Dep Mean	3.10909	Adj R-sq	-0.0500
C.V.	39.74101		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	T for H0: Parameter=0	Prob > |T|
INTERCEP	1	3.118400	0.70487388	4.424	0.0003
LOG_SED	1	-0.003409	0.23948024	-0.014	0.9888

---------- NAME OF FORMER VARIABLE=NI_D ----------



---------- NAME OF FORMER VARIABLE=NI_T ----------

Model: MODEL1
Dependent Variable: LOG_H2O

Analysis of Variance

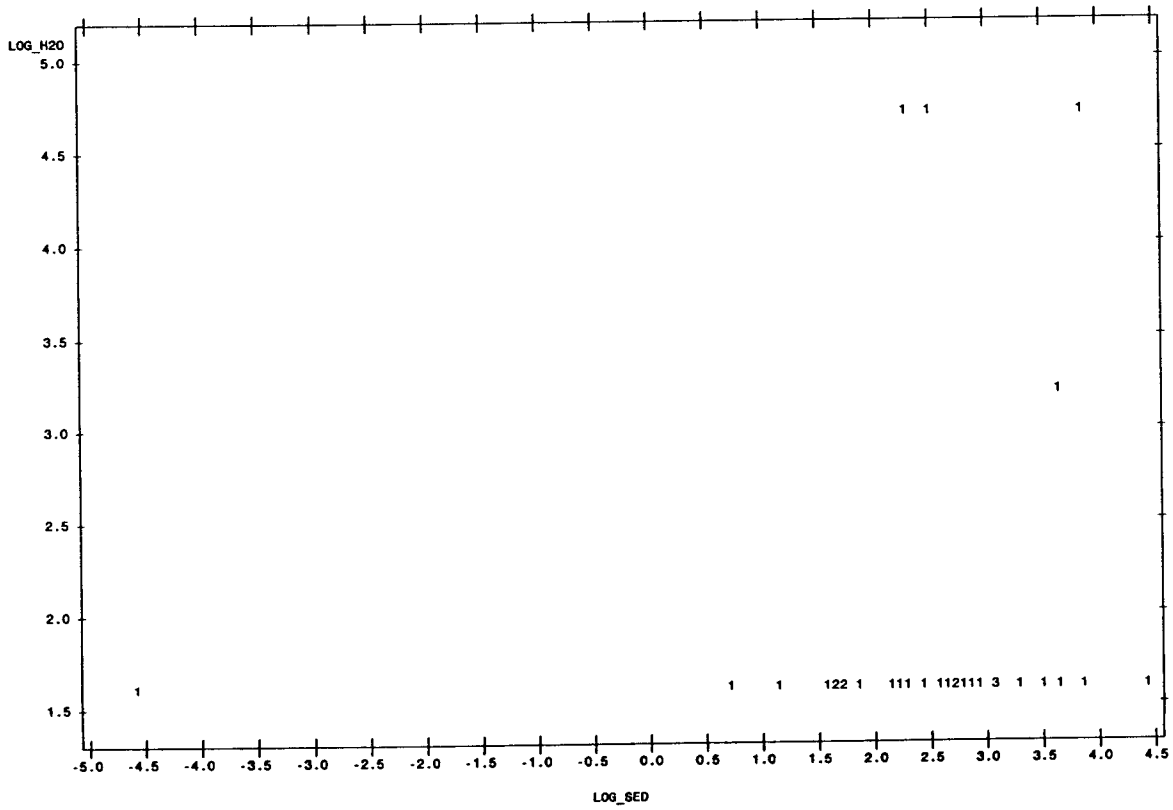
Source	DF	Sum of Squares	Mean Square	F Value	Prob>F
Model	1	0.63495	0.63495	0.708	0.4069
Error	30	26.91803	0.89727		
C Total	31	27.55298			

Root MSE	0.94724	R-square	0.0230
Dep Mean	1.94952	Adj R-sq	-0.0095
C.V.	48.58853		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	T for H0: Parameter=0	Prob > |T|
INTERCEP	1	1.728016	0.31204639	5.538	0.0001
LOG_SED	1	0.093720	0.11140986	0.841	0.4069

---------- NAME OF FORMER VARIABLE=NI_T ----------



---------- NAME OF FORMER VARIABLE=PB_D ----------

Model: MODEL1
Dependent Variable: LOG_H2O

Analysis of Variance

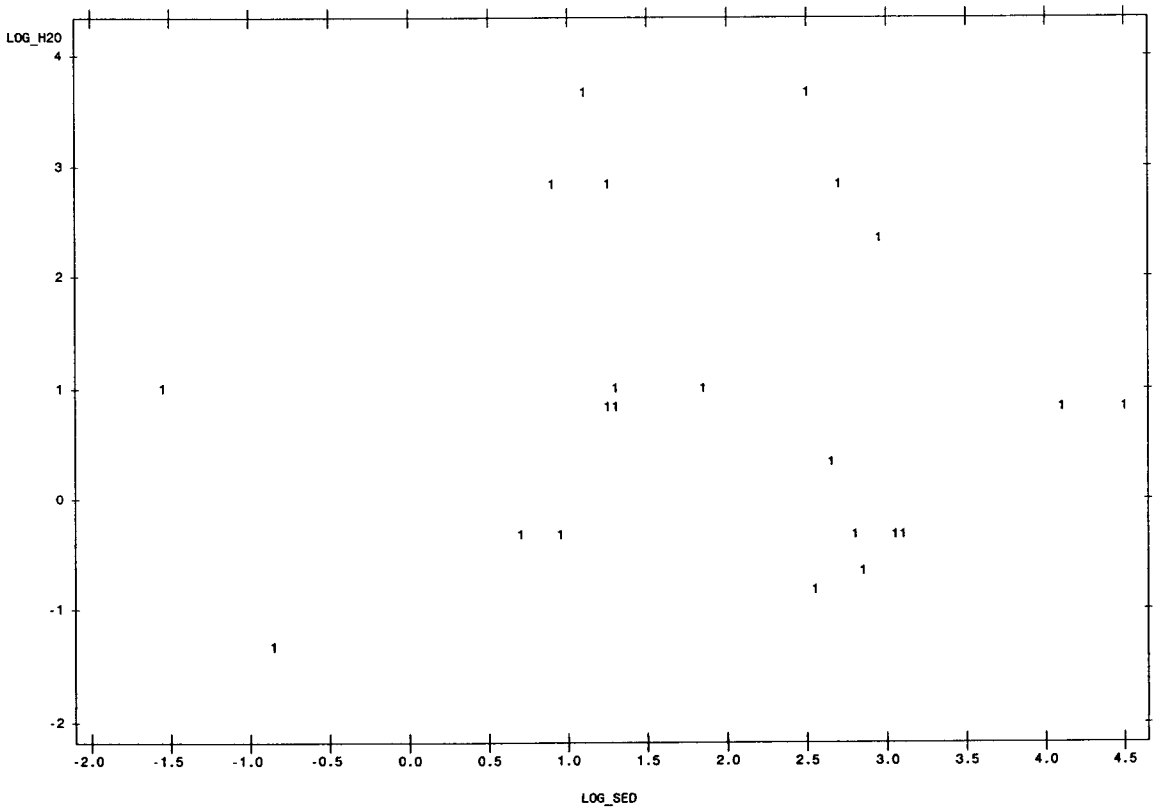
Source	DF	Sum of Squares	Mean Square	F Value	Prob>F
Model	1	0.00554	0.00554	0.002	0.9624
Error	20	48.65445	2.43272		
C Total	21	48.65999			

Root MSE	1.55972	R-square	0.0001
Dep Mean	0.93525	Adj R-sq	-0.0499
C.V.	166.77065		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	T for H0: Parameter=0	Prob > |T|
INTERCEP	1	0.913916	0.55706433	1.641	0.1165
LOG_SED	1	0.011204	0.23474332	0.048	0.9624

---------- NAME OF FORMER VARIABLE=PB_D ----------



---------- NAME OF FORMER VARIABLE=PB_T ----------

Model: MODEL1
Dependent Variable: LOG_H2O

Analysis of Variance

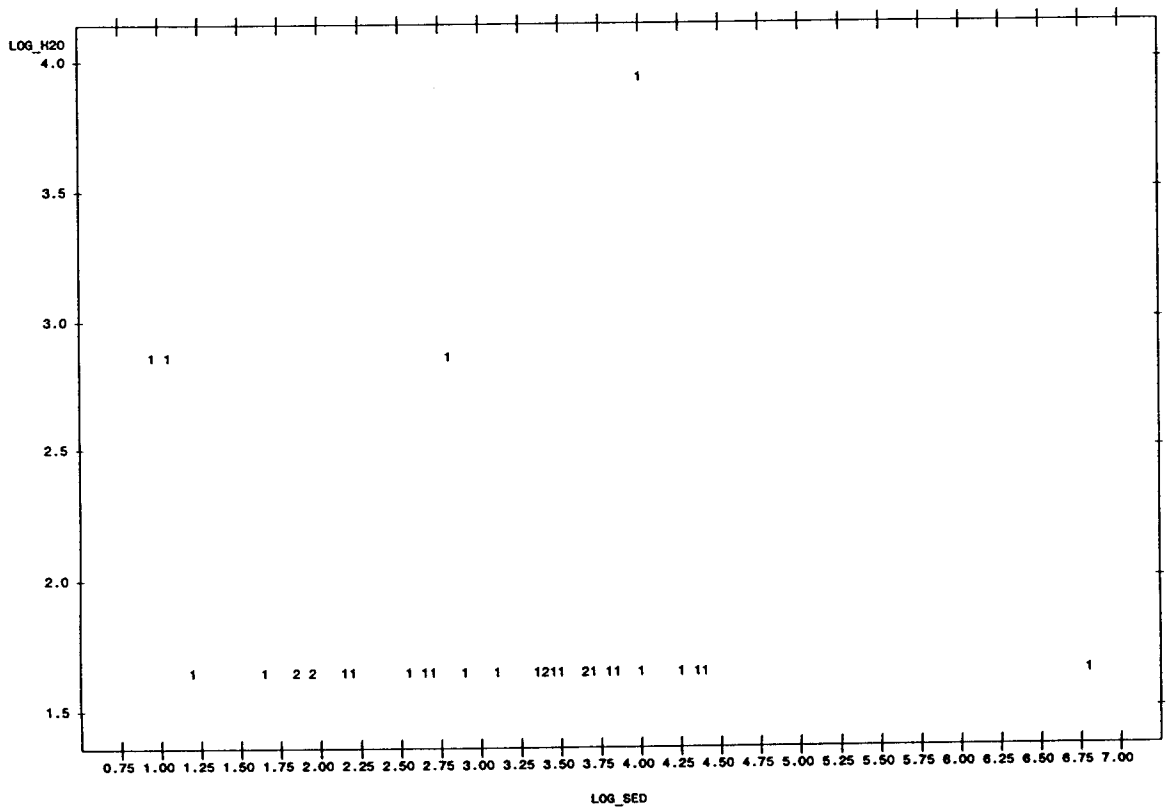
Source	DF	Sum of Squares	Mean Square	F Value	Prob>F
Model	1	0.20605	0.20605	0.730	0.3998
Error	30	8.47348	0.28245		
C Total	31	8.67954			

Root MSE	0.53146	R-square	0.0237
Dep Mean	1.79612	Adj R-sq	-0.0088
C.V.	29.58928		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	T for H0: Parameter=0	Prob > |T|
INTERCEP	1	2.001539	0.25819890	7.752	0.0001
LOG_SED	1	-0.067757	0.07932949	-0.854	0.3998

---------- NAME OF FORMER VARIABLE=PB_T ----------



---------- NAME OF FORMER VARIABLE=PCP ----------

Model: MODEL1
Dependent Variable: LOG_H2O

Analysis of Variance

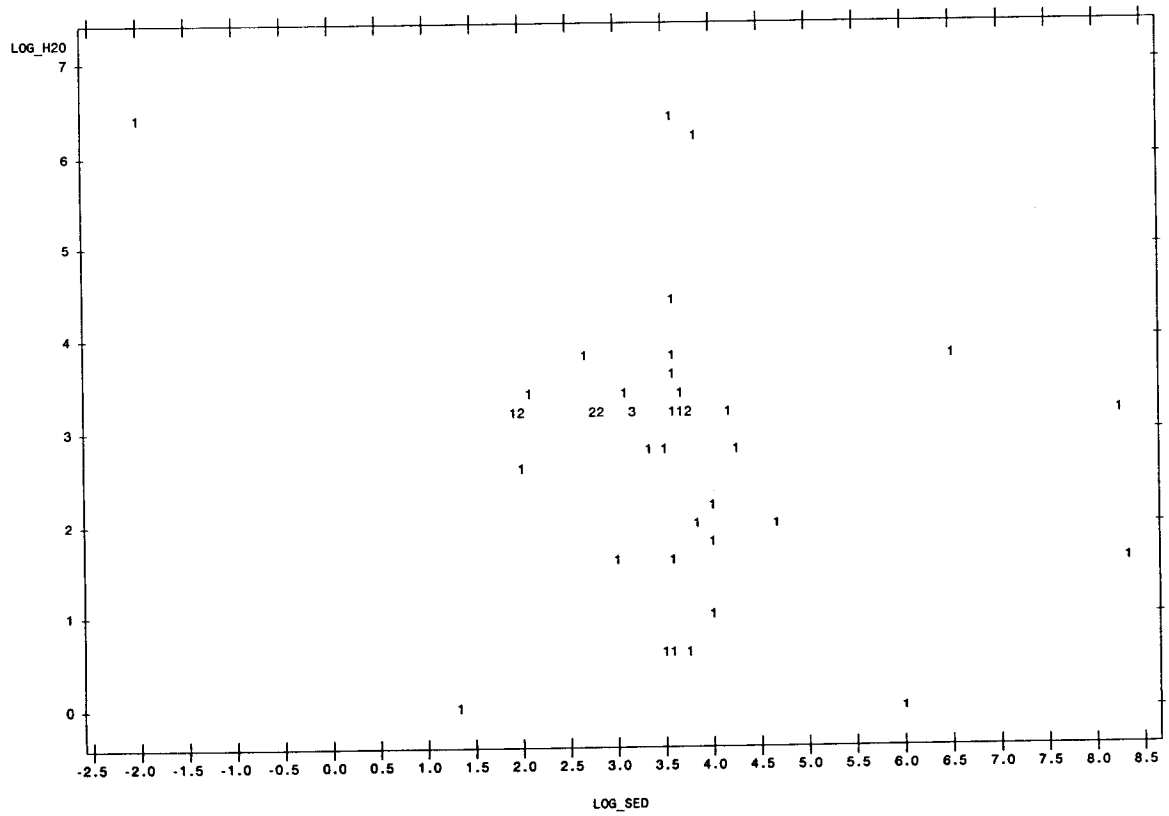
Source	DF	Sum of Squares	Mean Square	F Value	Prob>F
Model	1	6.46681	6.46681	3.396	0.0724
Error	42	79.98552	1.90442		
C Total	43	86.45232			

Root MSE	1.38001	R-square	0.0748
Dep Mean	2.88101	Adj R-sq	0.0528
C.V.	47.90004		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	T for H0: Parameter=0	Prob > |T|
INTERCEP	1	3.715930	0.49856641	7.453	0.0001
LOG_SED	1	-0.237518	0.12889395	-1.843	0.0724

---------- NAME OF FORMER VARIABLE=PCP ----------



---------- NAME OF FORMER VARIABLE=PHENANTH ----------

Model: MODEL1
Dependent Variable: LOG_H2O

Analysis of Variance

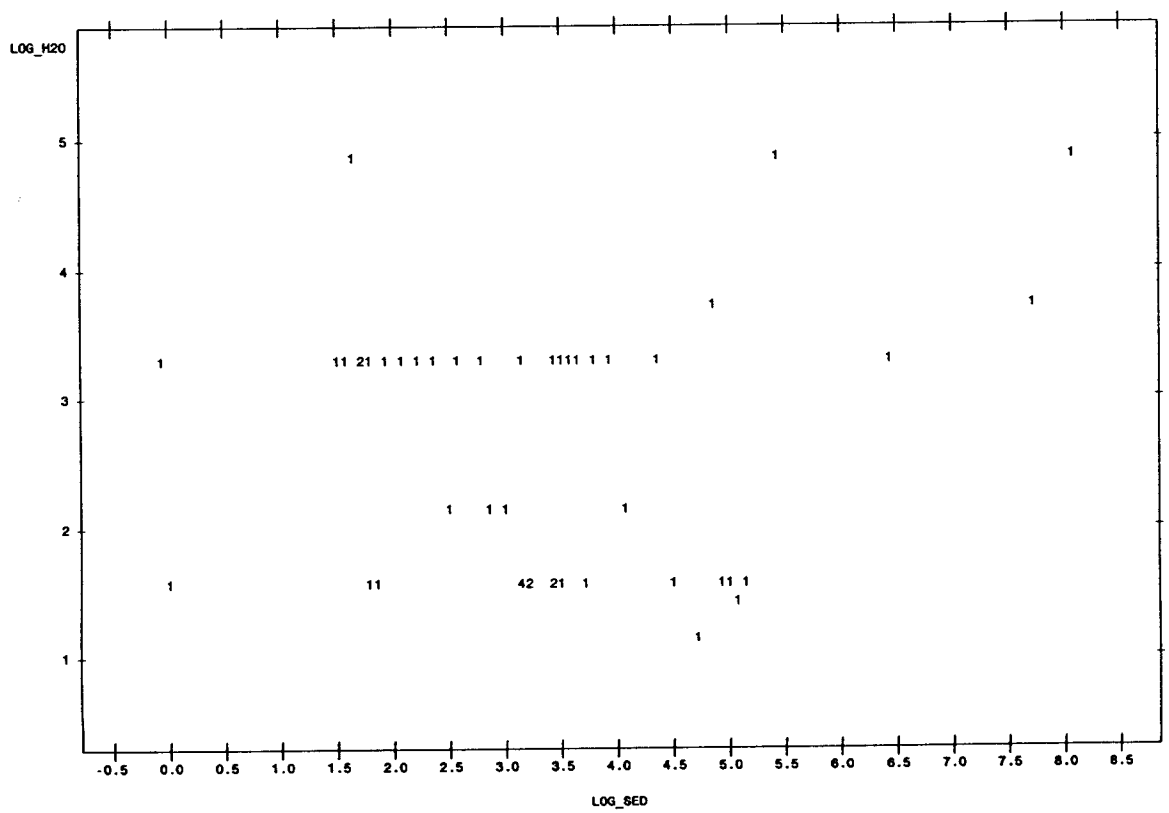
Source	DF	Sum of Squares	Mean Square	F Value	Prob>F
Model	1	0.42855	0.42855	0.435	0.5129
Error	47	46.32652	0.98567		
C Total	48	46.75507			

Root MSE	0.99281	R-square	0.0092
Dep Mean	2.60979	Adj R-sq	-0.0119
C.V.	38.04166		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	T for H0: Parameter=0	Prob > |T|
INTERCEP	1	2.415396	0.32716130	7.383	0.0001
LOG_SED	1	0.058064	0.08805900	0.659	0.5129

---------- NAME OF FORMER VARIABLE=PHENANTH ----------



---------- NAME OF FORMER VARIABLE=PHENOL ----------

Model: MODEL1
Dependent Variable: LOG_H2O

Analysis of Variance

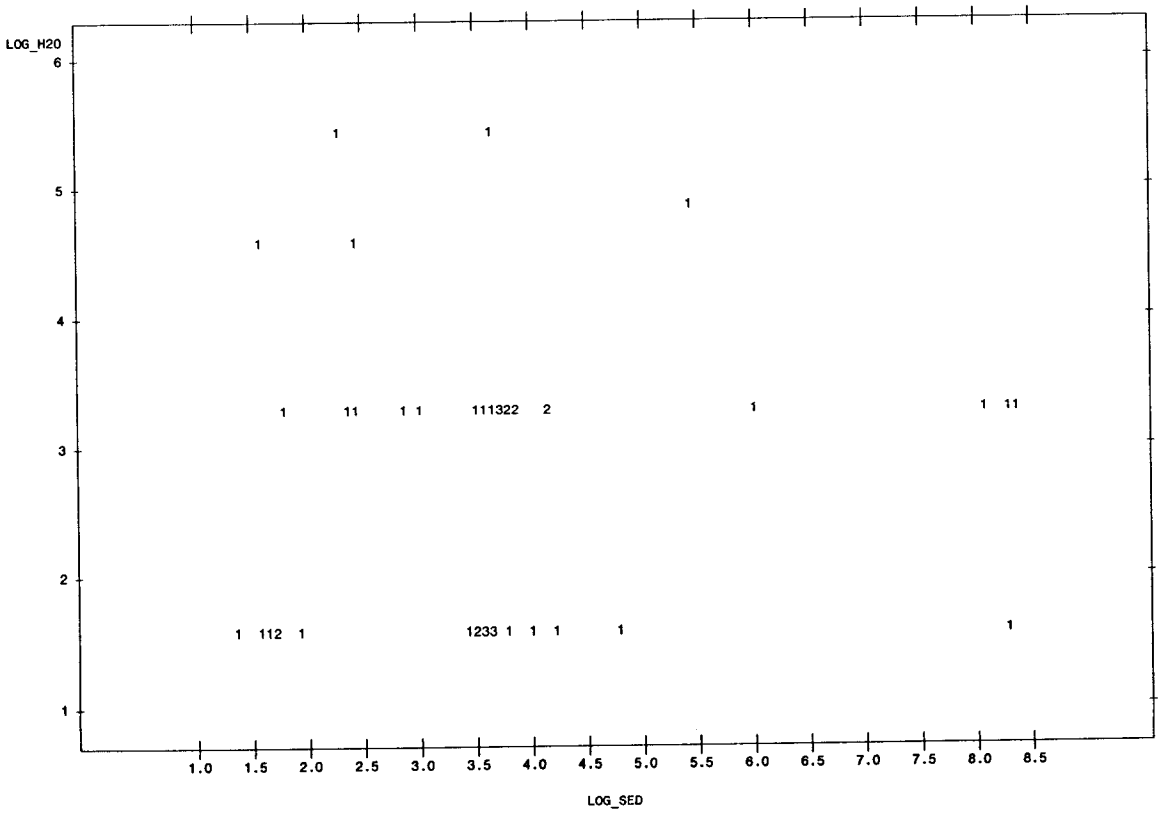
Source	DF	Sum of Squares	Mean Square	F Value	Prob>F
Model	1	0.32945	0.32945	0.258	0.6140
Error	44	56.17583	1.27672		
C Total	45	56.50528			

Root MSE	1.12992	R-square	0.0058
Dep Mean	2.71152	Adj R-sq	-0.0168
C.V.	41.67114		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	T for H0: Parameter=0	Prob > |T|
INTERCEP	1	2.528429	0.39707394	6.368	0.0001
LOG_SED	1	0.049281	0.09701490	0.508	0.6140

---------- NAME OF FORMER VARIABLE=PHENOL ----------



---------- NAME OF FORMER VARIABLE=PYRENE ----------

Model: MODEL1
Dependent Variable: LOG_H2O

Analysis of Variance

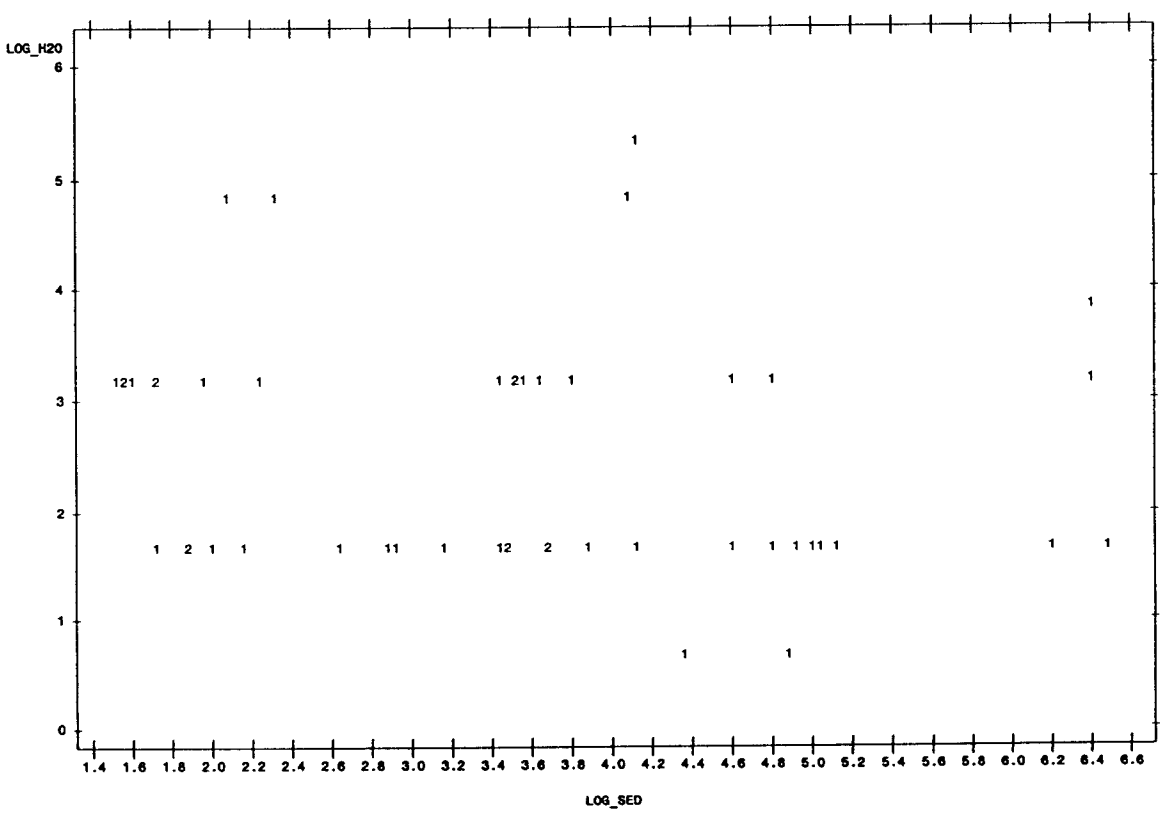
Source	DF	Sum of Squares	Mean Square	F Value	Prob>F
Model	1	1.89295	1.89295	1.503	0.2264
Error	46	57.91870	1.25910		
C Total	47	59.81165			

Root MSE	1.12210	R-square	0.0316
Dep Mean	2.46472	Adj R-sq	0.0106
C.V.	45.52638		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	T for H0: Parameter=0	Prob > |T|
INTERCEP	1	2.960319	0.43543740	6.798	0.0001
LOG_SED	1	-0.141167	0.11513134	-1.226	0.2264

---------- NAME OF FORMER VARIABLE=PYRENE ----------



---------- NAME OF FORMER VARIABLE=SE_D ----------

Model: MODEL1
Dependent Variable: LOG_H2O

Analysis of Variance

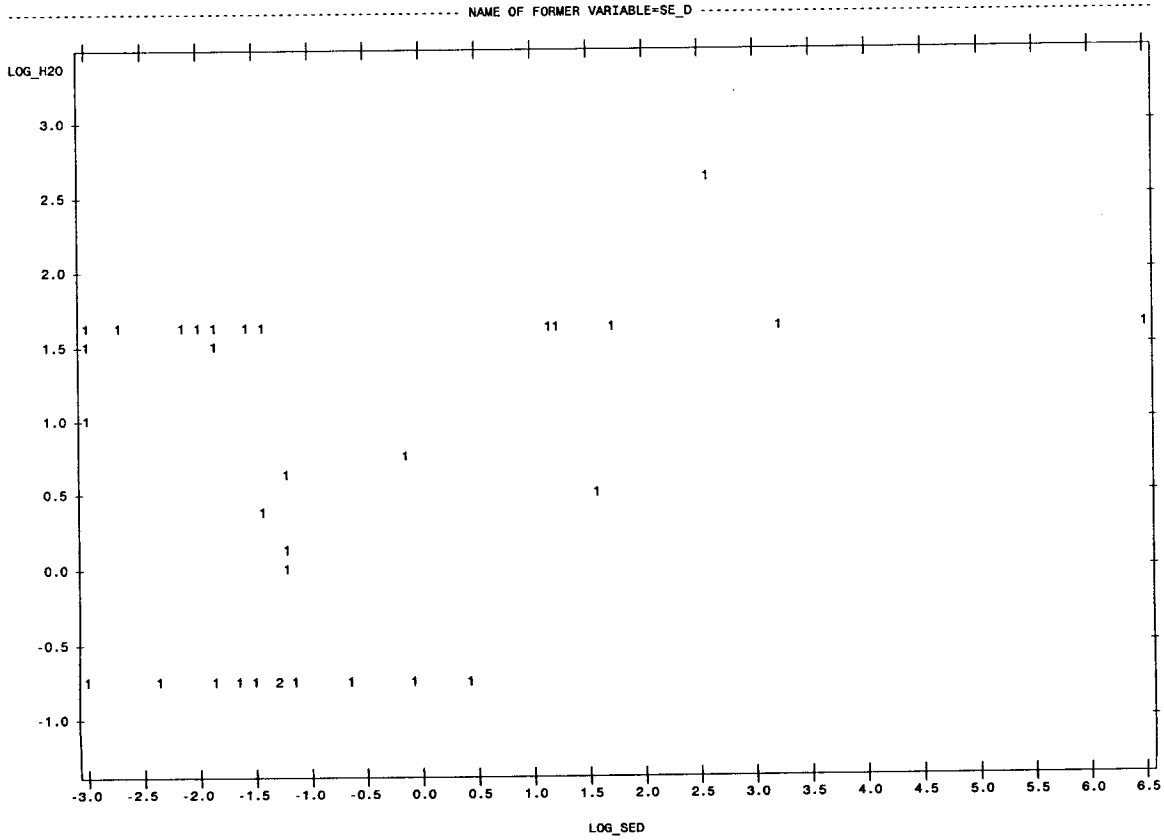
Source	DF	Sum of Squares	Mean Square	F Value	Prob>F
Model	1	2.72542	2.72542	2.477	0.1257
Error	31	34.11330	1.10043		
C Total	32	36.83872			

Root MSE	1.04901	R-square	0.0740
Dep Mean	0.62362	Adj R-sq	0.0441
C.V.	168.21374		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	T for H0: Parameter=0	Prob > |T|
INTERCEP	1	0.726355	0.19392755	3.745	0.0007
LOG_SED	1	0.140412	0.08922121	1.574	0.1257

---------- NAME OF FORMER VARIABLE=SE_D ----------



---------- NAME OF FORMER VARIABLE=SE_T ----------

Model: MODEL1
Dependent Variable: LOG_H2O

Analysis of Variance

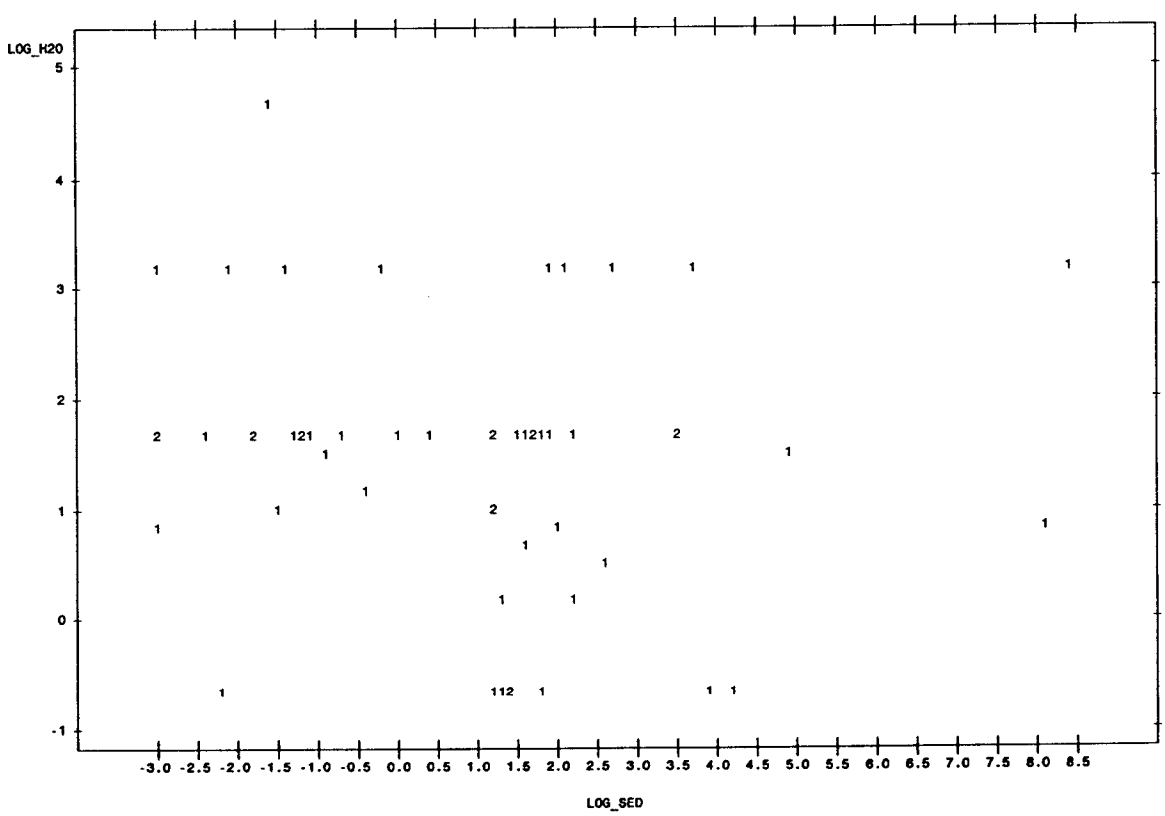
Source	DF	Sum of Squares	Mean Square	F Value	Prob>F
Model	1	1.36167	1.36167	0.872	0.3548
Error	52	81.21729	1.56187		
C Total	53	82.57896			

Root MSE	1.24975	R-square	0.0165
Dep Mean	1.41391	Adj R-sq	-0.0024
C.V.	88.38922		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	T for H0: Parameter=0	Prob > |T|
INTERCEP	1	1.470217	0.18044247	8.148	0.0001
LOG_SED	1	-0.063669	0.06818948	-0.934	0.3548

---------- NAME OF FORMER VARIABLE=SE_T ----------



---------- NAME OF FORMER VARIABLE=TDDT ----------

Model: MODEL1
Dependent Variable: LOG_H2O

Analysis of Variance

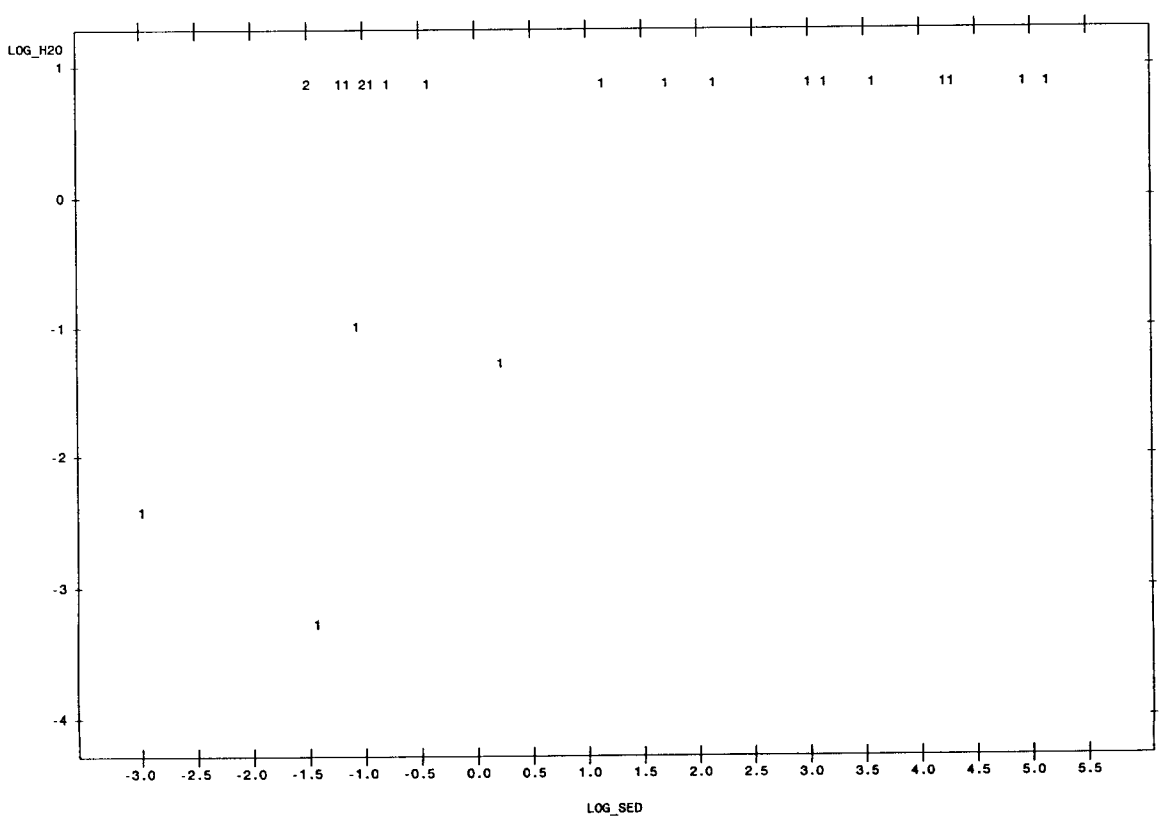
Source	DF	Sum of Squares	Mean Square	F Value	Prob>F
Model	1	5.39327	5.39327	4.300	0.0506
Error	21	26.34060	1.25431		
C Total	22	31.73387			

Root MSE	1.11996	R-square	0.1700
Dep Mean	0.40723	Adj R-sq	0.1304
C.V.	275.01973		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	T for H0: Parameter=0	Prob > |T|
INTERCEP	1	0.244916	0.24629775	0.994	0.3314
LOG_SED	1	0.199605	0.09626069	2.074	0.0506

---------- NAME OF FORMER VARIABLE=TDDT ----------



---------- NAME OF FORMER VARIABLE=TH_D ----------

Model: MODEL1
Dependent Variable: LOG_H2O

Analysis of Variance

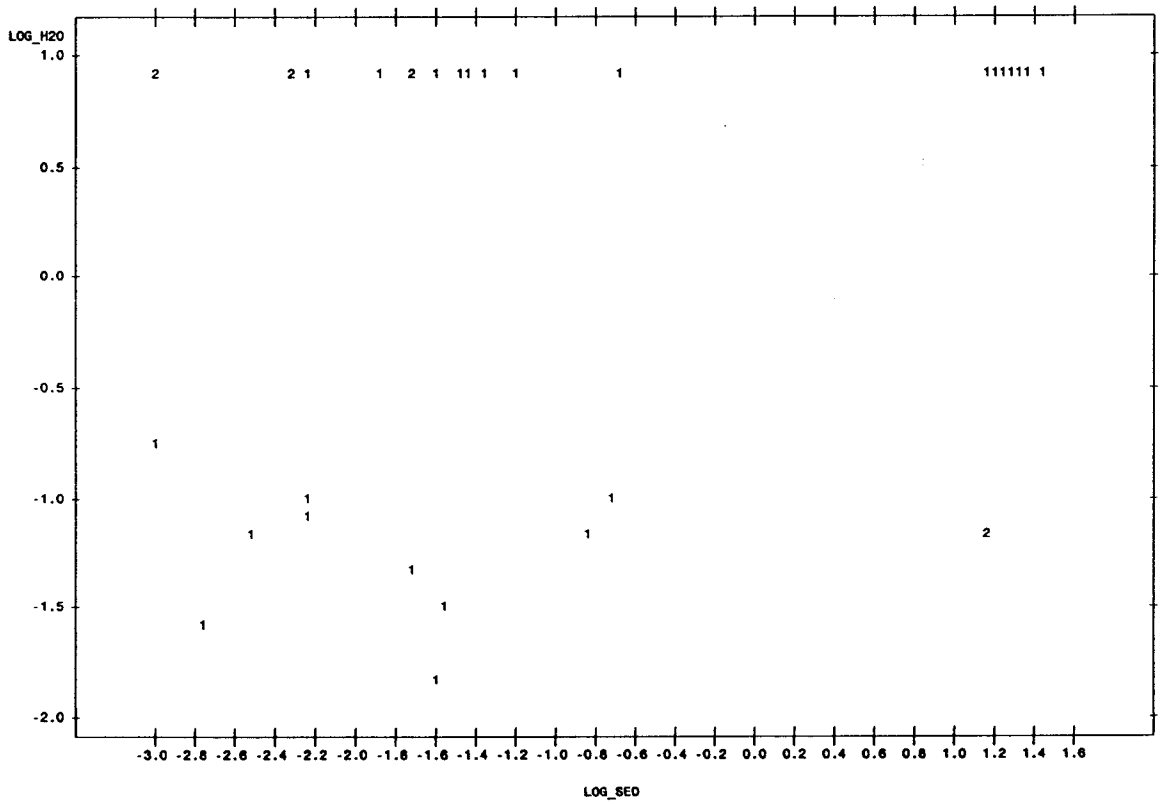
Source	DF	Sum of Squares	Mean Square	F Value	Prob>F
Model	1	1.30847	1.30847	1.166	0.2886
Error	31	34.79441	1.12240		
C Total	32	36.10288			

Root MSE	1.05943	R-square	0.0362
Dep Mean	0.13639	Adj R-sq	0.0052
C.V.	776.74173		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	T for H0: Parameter=0	Prob > |T|
INTERCEP	1	0.271306	0.22276670	1.218	0.2325
LOG_SED	1	0.131819	0.12208712	1.080	0.2886

---------- NAME OF FORMER VARIABLE=TH_D ----------



---------- NAME OF FORMER VARIABLE=TL_T ----------

Model: MODEL1
Dependent Variable: LOG_H2O

Analysis of Variance

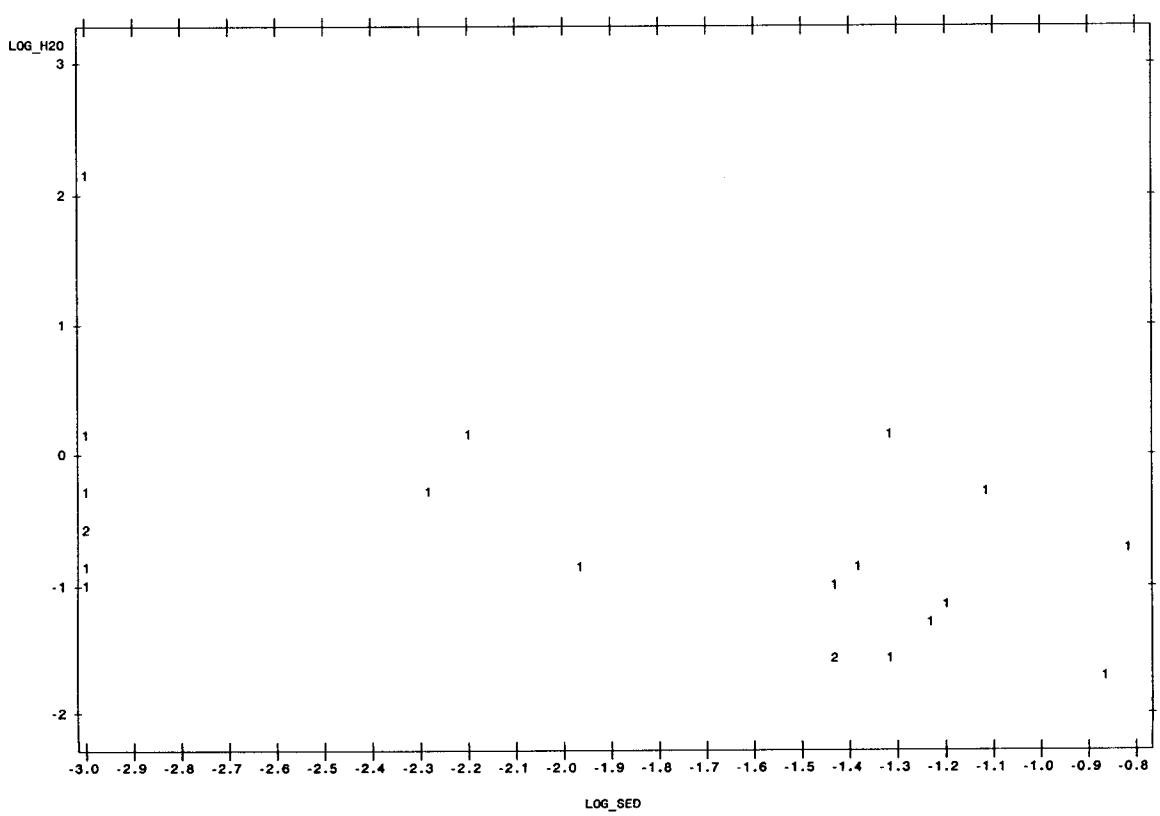
Source	DF	Sum of Squares	Mean Square	F Value	Prob>F
Model	1	3.53903	3.53903	5.954	0.0247
Error	19	11.29441	0.59444		
C Total	20	14.83344			

Root MSE	0.77100	R-square	0.2386
Dep Mean	-0.64769	Adj R-sq	0.1985
C.V.	-119.03814		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	T for H0: Parameter=0	Prob > |T|
INTERCEP	1	-1.627839	0.43551247	-3.738	0.0014
LOG_SED	1	-0.502580	0.20597642	-2.440	0.0247

---------- NAME OF FORMER VARIABLE=TL_T ----------



---------- NAME OF FORMER VARIABLE=TOXAPHEN ----------

Model: MODEL1
Dependent Variable: LOG_H2O

Analysis of Variance

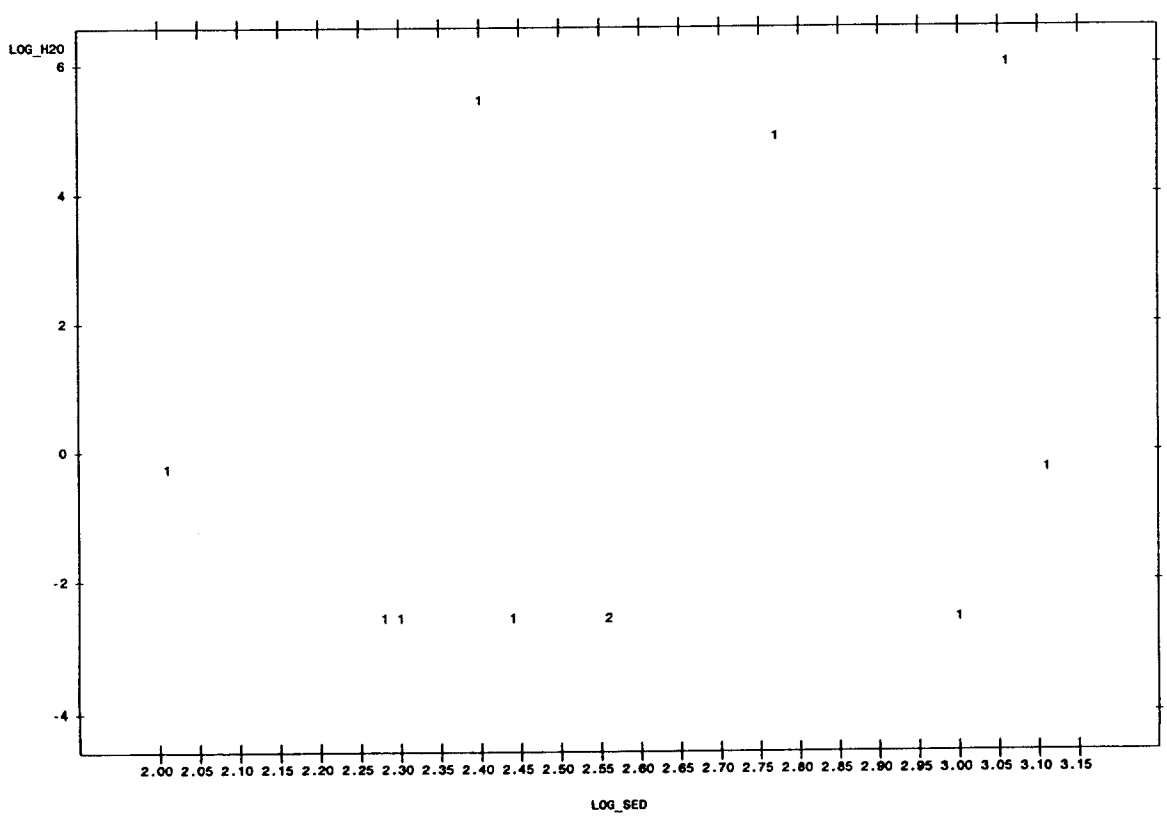
Source	DF	Sum of Squares	Mean Square	F Value	Prob>F
Model	1	10.61078	10.61078	0.823	0.3881
Error	9	116.08877	12.89875		
C Total	10	126.69955			

Root MSE	3.59148	R-square	0.0837
Dep Mean	-0.00827	Adj R-sq	-0.0181
C.V.	-43419.84503		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	T for H0: Parameter=0	Prob > |T|
INTERCEP	1	-7.525943	8.35908273	-0.900	0.3914
LOG_SED	1	2.901243	3.19877970	0.907	0.3881

---------- NAME OF FORMER VARIABLE=TOXAPHEN ----------



---------- NAME OF FORMER VARIABLE=TPAH ----------

Model: MODEL1
Dependent Variable: LOG_H2O

Analysis of Variance

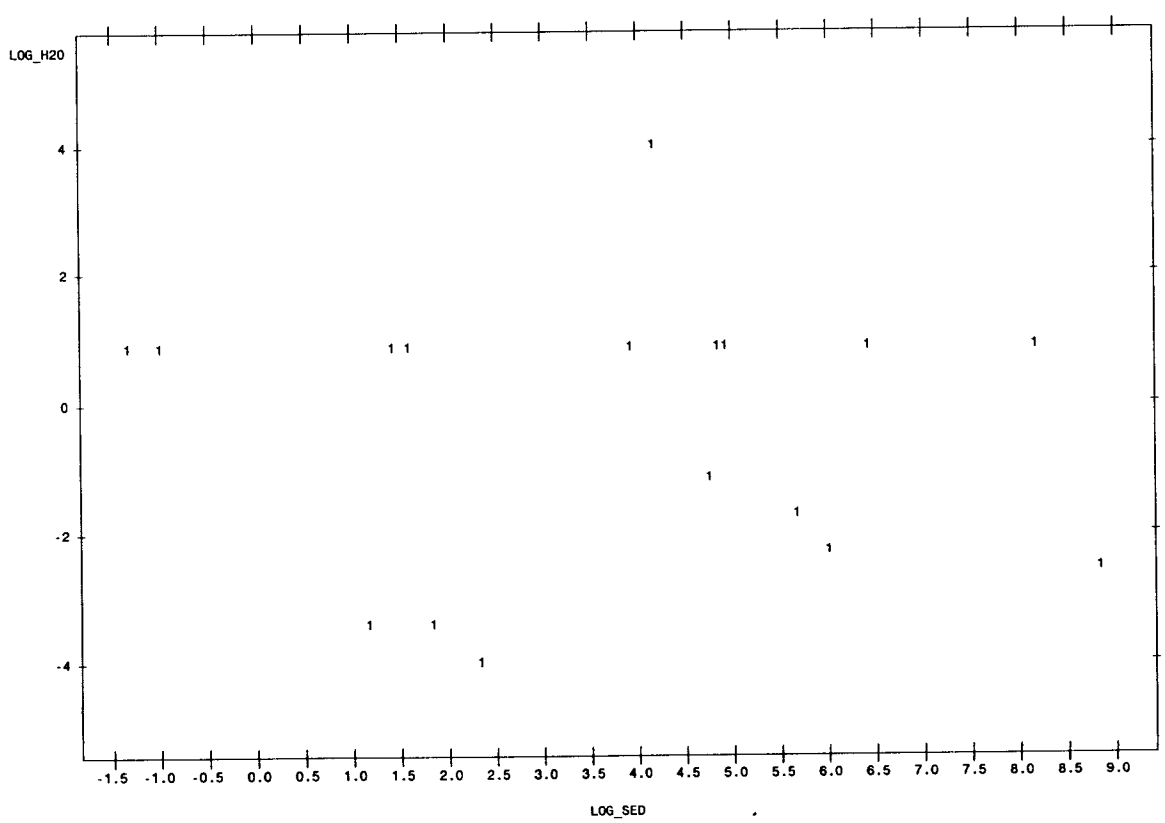
Source	DF	Sum of Squares	Mean Square	F Value	Prob>F
Model	1	0.25262	0.25262	0.050	0.8267
Error	15	76.35832	5.09055		
C Total	16	76.61094			

Root MSE	2.25623	R-square	0.0033
Dep Mean	-0.37404	Adj R-sq	-0.0631
C.V.	-603.21148		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	T for H0: Parameter=0	Prob > |T|
INTERCEP	1	-0.212252	0.90932906	-0.233	0.8186
LOG_SED	1	-0.043203	0.19393794	-0.223	0.8267

---------- NAME OF FORMER VARIABLE=TPAH ----------



---------- NAME OF FORMER VARIABLE=TPHDIES ----------

Model: MODEL1
Dependent Variable: LOG_H2O

Analysis of Variance

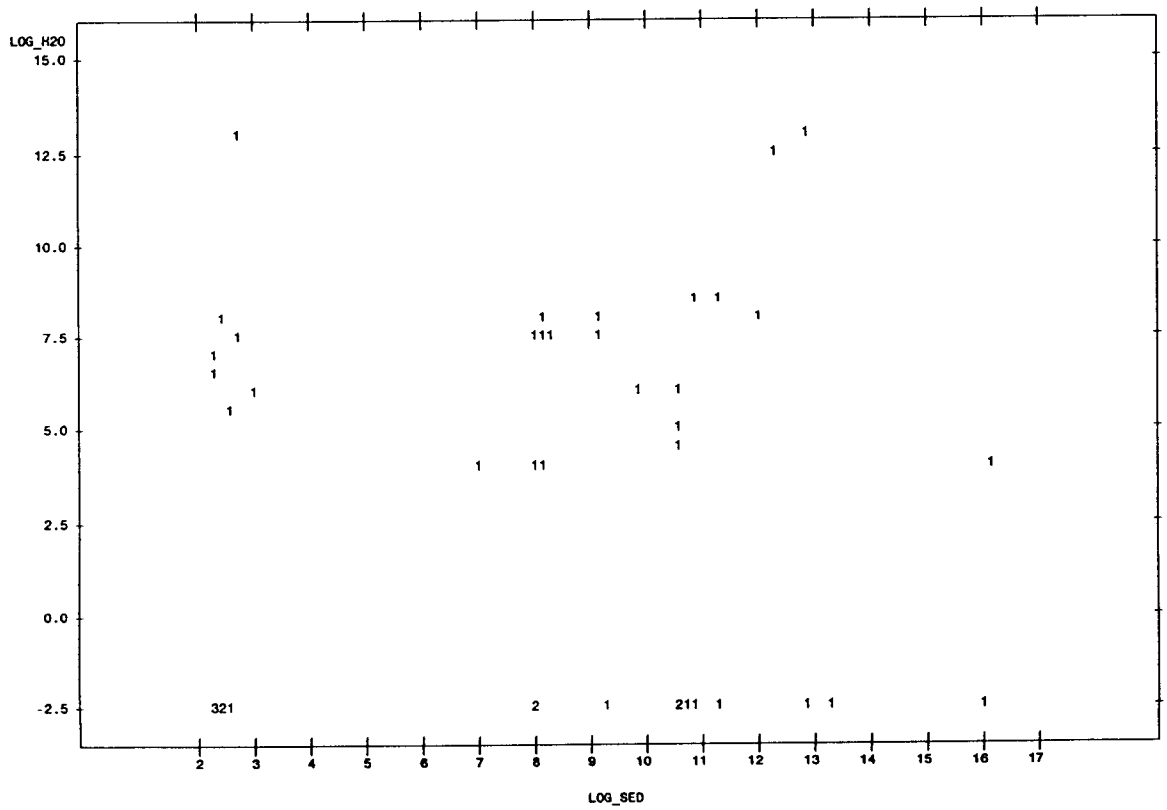
Source	DF	Sum of Squares	Mean Square	F Value	Prob>F
Model	1	0.16663	0.16663	0.006	0.9389
Error	41	1148.07338	28.00179		
C Total	42	1148.24001			

Root MSE	5.29167	R-square	0.0001
Dep Mean	3.35108	Adj R-sq	-0.0242
C.V.	157.90954		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	T for H0: Parameter=0	Prob > |T|
INTERCEP	1	3.229272	1.77325785	1.821	0.0759
LOG_SED	1	0.015178	0.19675358	0.077	0.9389

---------- NAME OF FORMER VARIABLE=TPHDIES ----------



---------- NAME OF FORMER VARIABLE=TPHENOL ----------

Model: MODEL1
Dependent Variable: LOG_H2O

Analysis of Variance

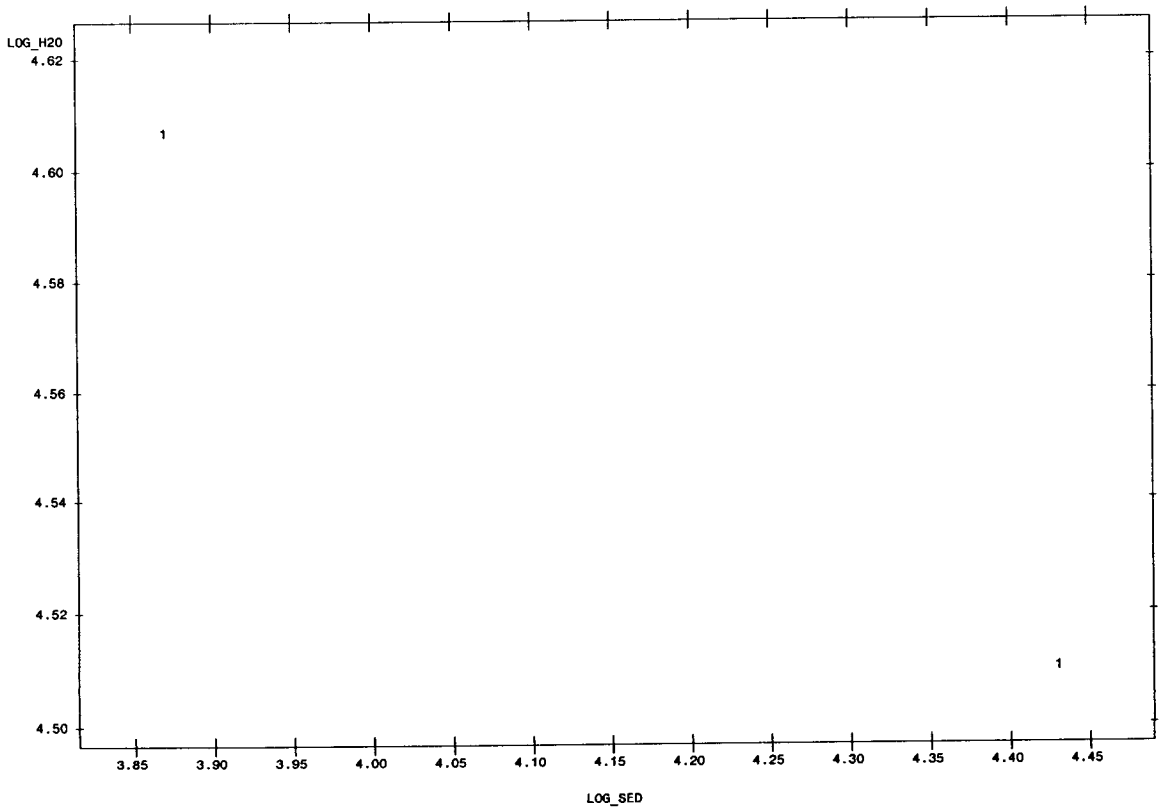
Source	DF	Sum of Squares	Mean Square	F Value	Prob>F
Model	1	0.00445	0.00445	.	.
Error	0	0.00000	.		
C Total	1	0.00445			

Root MSE	.	R-square	1.0000
Dep Mean	4.55801	Adj R-sq	.
C.V.	.		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	T for H0: Parameter=0	Prob > |T|
INTERCEP	1	5.257574	.	.	.
LOG_SED	1	-0.168528	.	.	.

---------- NAME OF FORMER VARIABLE=TPHENOL ----------



---------- NAME OF FORMER VARIABLE=V_D ----------

Model: MODEL1
Dependent Variable: LOG_H2O

Analysis of Variance

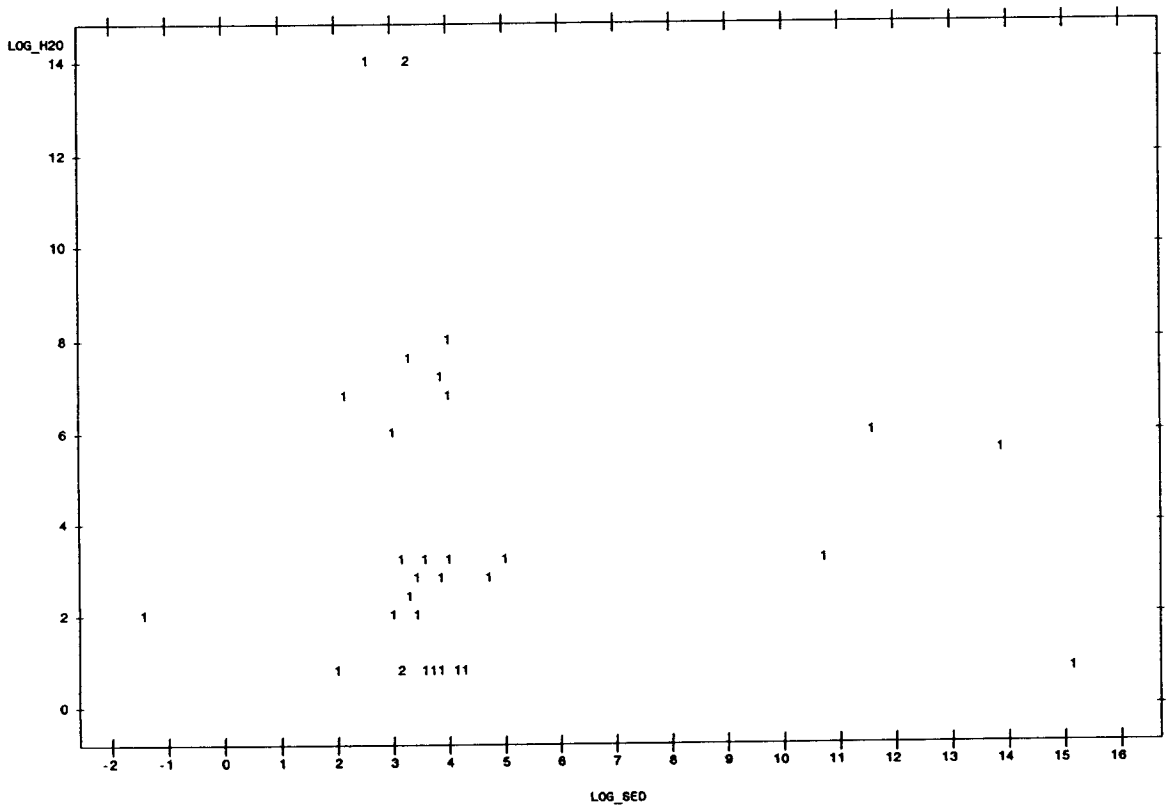
Source	DF	Sum of Squares	Mean Square	F Value	Prob>F
Model	1	1.90423	1.90423	0.120	0.7309
Error	30	474.09601	15.80320		
C Total	31	476.00024			

Root MSE	3.97532	R-square	0.0040
Dep Mean	4.29875	Adj R-sq	-0.0292
C.V.	92.47627		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	T for H0: Parameter=0	Prob > |T|
INTERCEP	1	4.624419	1.17219506	3.945	0.0004
LOG_SED	1	-0.072232	0.20808696	-0.347	0.7309

---------- NAME OF FORMER VARIABLE=V_D ----------



---------- NAME OF FORMER VARIABLE=V_T ----------

Model: MODEL1
Dependent Variable: LOG_H20

Analysis of Variance

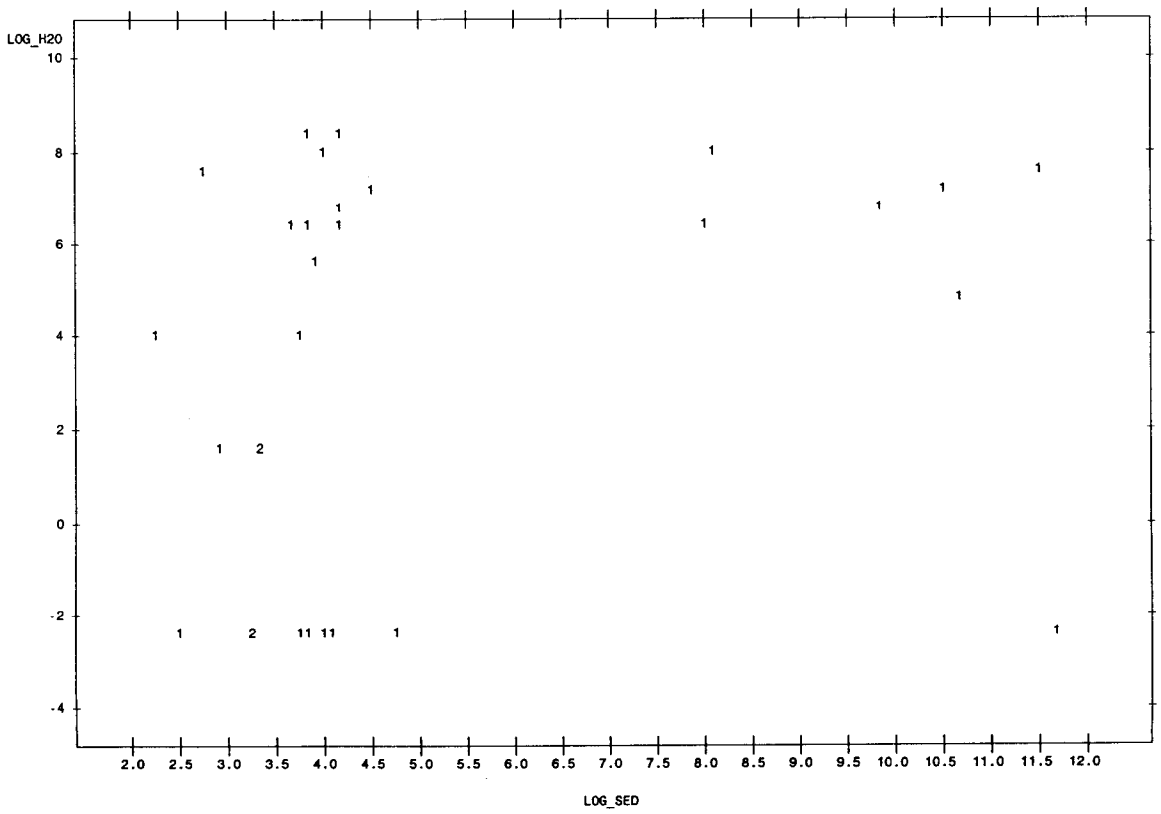
Source	DF	Sum of Squares	Mean Square	F Value	Prob>F
Model	1	28.24326	28.24326	1.518	0.2282
Error	28	520.92678	18.60453		
C Total	29	549.17004			

Root MSE	4.31330	R-square	0.0514
Dep Mean	3.37821	Adj R-sq	0.0176
C.V.	127.67996		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	T for H0: Parameter=0	Prob > |T|
INTERCEP	1	1.618886	1.63065867	0.993	0.3293
LOG_SED	1	0.342420	0.27791424	1.232	0.2282

---------- NAME OF FORMER VARIABLE=V_T ----------



---------- NAME OF FORMER VARIABLE=WO ----------

Model: MODEL1
Dependent Variable: LOG_H2O

Analysis of Variance

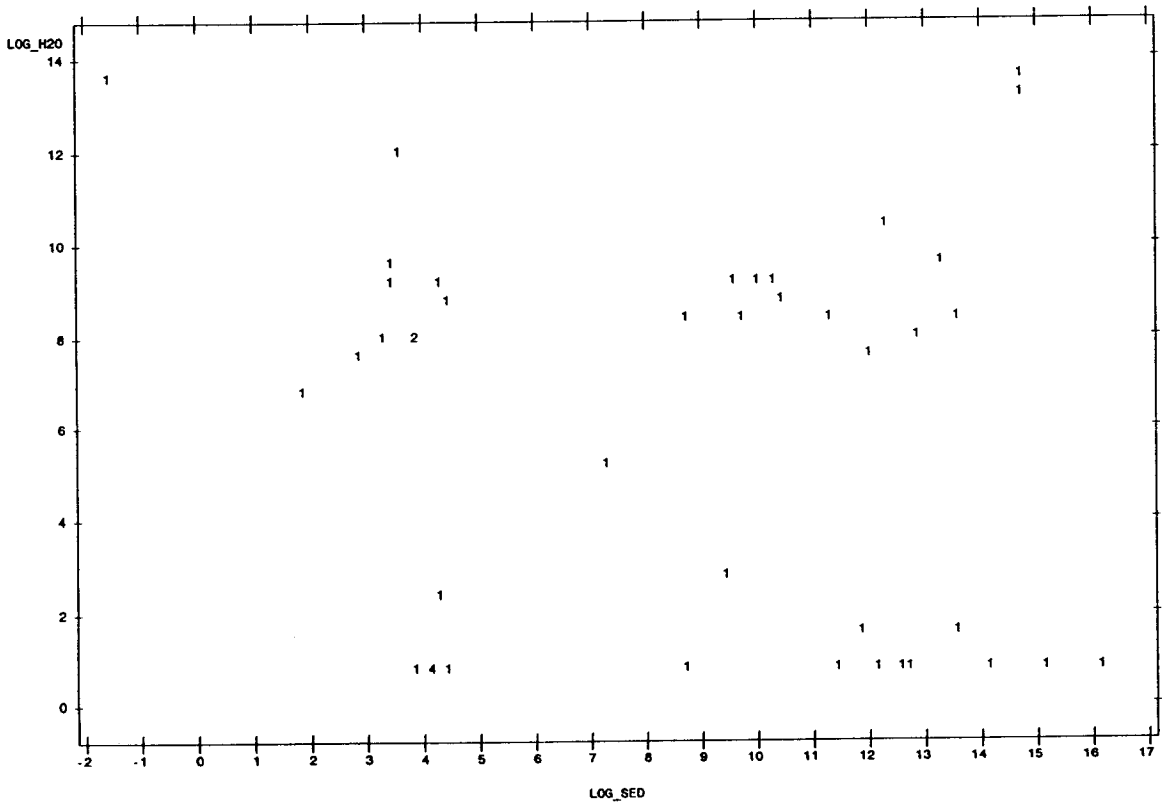
Source	DF	Sum of Squares	Mean Square	F Value	Prob>F
Model	1	9.76355	9.76355	0.536	0.4680
Error	42	764.61577	18.20514		
C Total	43	774.37932			

Root MSE	4.26675	R-square	0.0126
Dep Mean	5.87772	Adj R-sq	-0.0109
C.V.	72.59194		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	T for H0: Parameter=0	Prob > |T|
INTERCEP	1	6.751932	1.35601661	4.979	0.0001
LOG_SED	1	-0.103686	0.14158334	-0.732	0.4680

---------- NAME OF FORMER VARIABLE=WO ----------



---------- NAME OF FORMER VARIABLE=ZN_D ----------

Model: MODEL1
Dependent Variable: LOG_H2O

Analysis of Variance

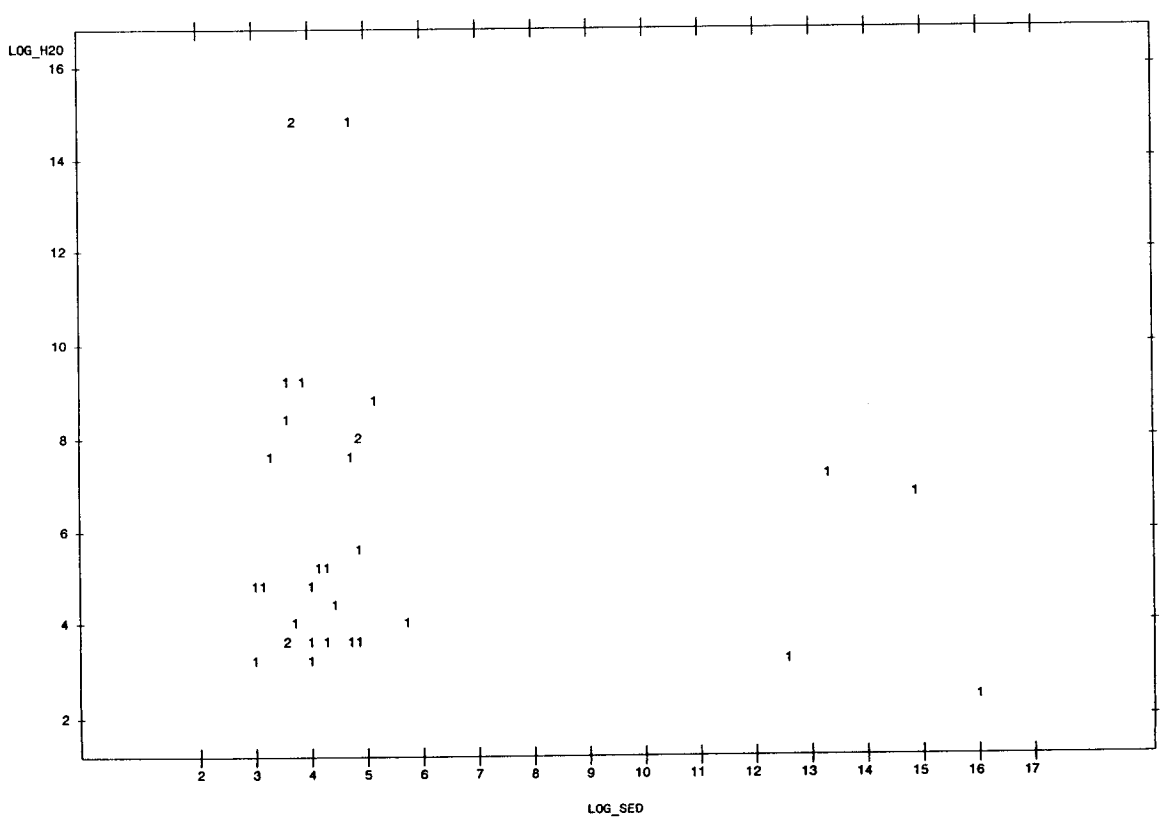
Source	DF	Sum of Squares	Mean Square	F Value	Prob>F
Model	1	8.69848	8.69848	0.716	0.4041
Error	30	364.30115	12.14337		
C Total	31	372.99963			

Root MSE	3.48473	R-square	0.0233
Dep Mean	6.32988	Adj R-sq	-0.0092
C.V.	55.05213		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	T for H0: Parameter=0	Prob > |T|
INTERCEP	1	7.148405	1.14664699	6.234	0.0001
LOG_SED	1	-0.152138	0.17975735	-0.846	0.4041

---------- NAME OF FORMER VARIABLE=ZN_D ----------



---------- NAME OF FORMER VARIABLE=ZN_T ----------

Model: MODEL1
Dependent Variable: LOG_H20

Analysis of Variance

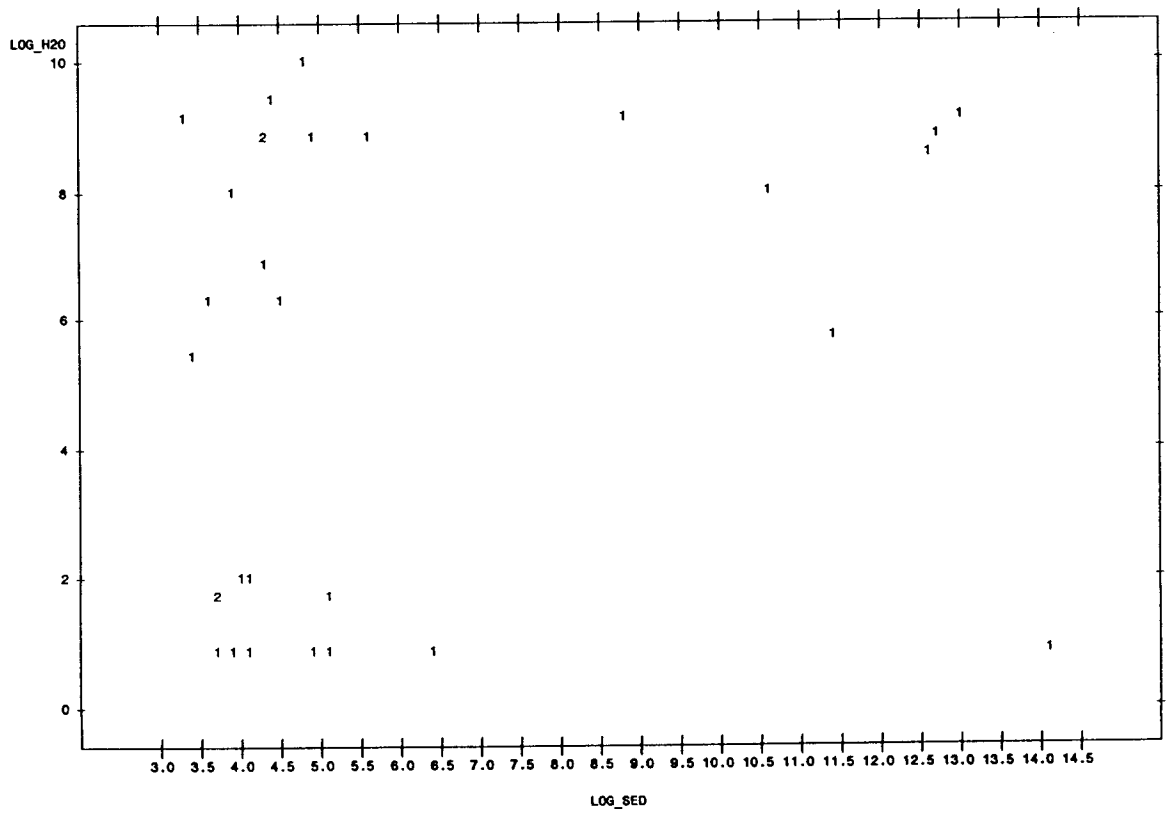
Source	DF	Sum of Squares	Mean Square	F Value	Prob>F
Model	1	17.33056	17.33056	1.372	0.2513
Error	28	353.57466	12.62767		
C Total	29	370.90521			

Root MSE	3.55354	R-square	0.0467
Dep Mean	5.41730	Adj R-sq	0.0127
C.V.	65.59620		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	T for H0: Parameter=0	Prob > |T|
INTERCEP	1	4.031672	1.34902833	2.989	0.0058
LOG_SED	1	0.227198	0.19393619	1.172	0.2513

---------- NAME OF FORMER VARIABLE=ZN_T ----------



---------- NAME OF FORMER VARIABLE=_4MP ----------

Model: MODEL1
Dependent Variable: LOG_H20

Analysis of Variance

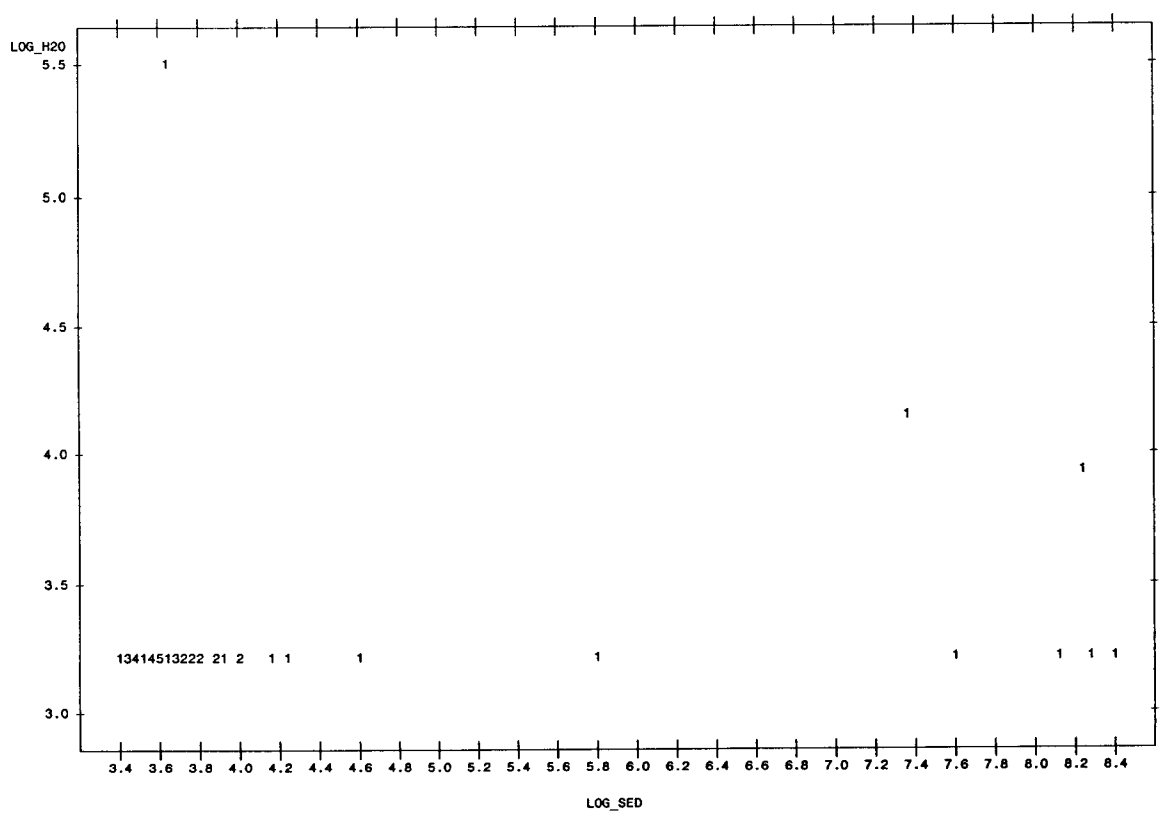
Source	DF	Sum of Squares	Mean Square	F Value	Prob>F
Model	1	0.15965	0.15965	1.117	0.2966
Error	42	6.00184	0.14290		
C Total	43	6.16150			

Root MSE	0.37802	R-square	0.0259
Dep Mean	3.30775	Adj R-sq	0.0027
C.V.	11.42839		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	T for H0: Parameter=0	Prob > |T|
INTERCEP	1	3.135193	0.17291280	18.132	0.0001
LOG_SED	1	0.039792	0.03764659	1.057	0.2966

---------- NAME OF FORMER VARIABLE=_4MP ----------



---------- NAME OF FORMER VARIABLE=_4NP ----------

Model: MODEL1
Dependent Variable: LOG_H2O

Analysis of Variance

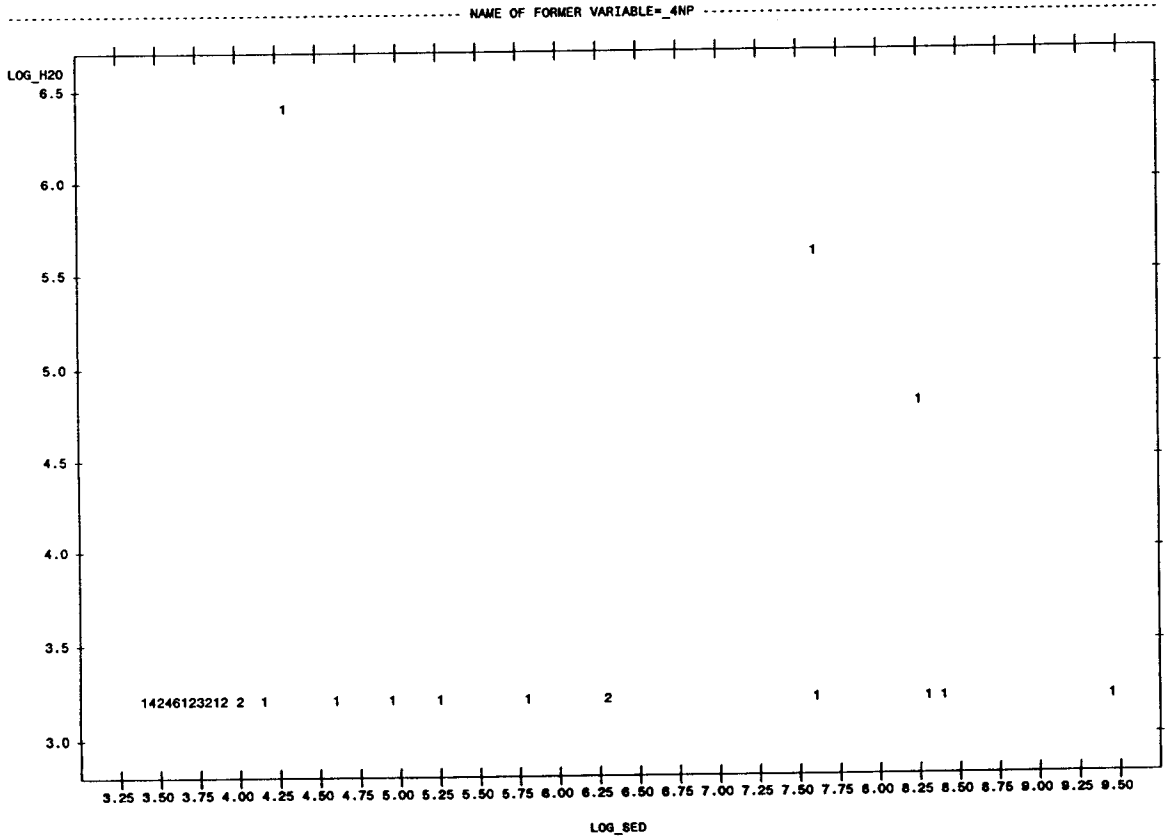
Source	DF	Sum of Squares	Mean Square	F Value	Prob>F
Model	1	1.26635	1.26635	3.376	0.0732
Error	42	15.75287	0.37507		
C Total	43	17.01921			

Root MSE	0.61243	R-square	0.0744
Dep Mean	3.38091	Adj R-sq	0.0524
C.V.	18.11433		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	T for H0: Parameter=0	Prob > |T|
INTERCEP	1	2.909243	0.27278979	10.665	0.0001
LOG_SED	1	0.103306	0.05622175	1.837	0.0732

---------- NAME OF FORMER VARIABLE=_4NP ----------



Principal Component Analysis

133 Observations
47 Variables

Simple Statistics

	DDD	DDE	DDT	ACENAPH	ALDRIN	ANTHRAC	PCB1254	AS	BA	BAA
Mean	11.90928571	11.96454887	2.756992481	63.1759398	0.2525563910	44.4300752	20.07894737	12.26932331	116.6293233	49.3556391
StD	28.08291565	35.74082120	9.325226741	205.3878197	0.5008321169	135.2060995	51.28171015	17.68054427	147.4592603	137.6704769

	BAP	BE	B_BHC	G_BHC	CD	CHLORD_T	CHLORD_A	CHLORD_G	CR	CHRYSENE
Mean	51.8135338	0.8190225564	2.13078947	0.3083082707	0.3257142857	48.6642857	8.86578947	5.71654135	36.01729323	74.1785714
StD	138.5569799	0.6356348111	11.51471155	0.6525706415	0.5797534556	388.1367818	54.89481725	29.50305886	24.08547441	190.0919506

	CO	CU	DINOCTPH	DIELDRIN	ENDRIN_A	ENDRIN_K	FLUORANT	FLUORENE	PB	LOMWPAH
Mean	7.878195489	24.05263158	147.8011278	1.551729323	12.62139098	4.01887218	32.7348872	95.5240602	64.2462406	359.505263
StD	5.369432823	22.15441874	393.0665438	6.479699507	37.83737721	21.41333084	103.0767419	411.5993135	320.4254868	2146.224368

	HG	NAPHTHAL	NI	OIL_GREA	PHENANTH	PHENOL	PYRENE	SE	TL	TDDT
Mean	98.8637820	113.6707143	52.6312030	2656.04436	3707.21541	223.1000000	171.7266917	19.28661654	0.2653383459	17.52676692
StD	773.0527333	650.7535813	189.8727600	10382.33557	32192.88192	739.4068027	659.5455534	79.84344118	0.1711084579	37.05403889

	TPAH	TPCB	TPHTHAL	TPHDIES	V	WO	ZN
Mean	454.667143	156.0902256	229.3225564	547377.143	70415.9624	1520370.752	366831.985
StD	2284.338113	827.3235274	713.8524553	3125947.325	344355.7876	6808471.757	1525226.397

Principal Component Analysis

Correlation Matrix

	DDD	DDE	DDT	ACENAPH	ALDRIN	ANTHRAC	PCB1254	AS	BA	BAA	BAP	BE
DDD	1.0000	0.2222	0.1198	0.0012	0.0160	0.0399	0.0949	0.2987	0.3571	0.0710	0.0994	0.2226
DDE	0.2222	1.0000	0.0314	0.4007	0.2099	0.4649	0.1334	-.0043	-.0440	0.4647	0.4600	0.0521
DDT	0.1198	0.0314	1.0000	-.0421	-.0355	-.0338	0.0336	-.0549	0.0677	-.0426	-.0367	0.0122
ACENAPH	0.0012	0.4007	-.0421	1.0000	0.7224	0.6830	0.1432	0.0834	-.0320	0.7062	0.6976	-.0343
ALDRIN	0.0160	0.2099	-.0355	0.7224	1.0000	0.1120	0.1711	0.0664	-.0424	0.1713	0.1685	0.1111
ANTHRAC	0.0399	0.4649	-.0338	0.6830	0.1120	1.0000	-.0021	0.1262	0.0183	0.9791	0.9700	-.1000
PCB1254	0.0949	0.1334	0.0336	0.1432	0.1711	-.0021	1.0000	-.0260	-.0522	0.0784	0.0946	-.0580
AS	0.2987	-.0043	-.0549	0.0834	0.0664	0.1262	-.0260	1.0000	0.2445	0.1292	0.1270	0.3345
BA	0.3571	-.0440	0.0677	-.0320	-.0424	0.0183	-.0522	0.2445	1.0000	0.0013	0.0188	0.2535
BAA	0.0710	0.4647	-.0426	0.7062	0.1713	0.9791	0.0784	0.1292	0.0013	1.0000	0.9965	-.0833
BAP	0.0994	0.4600	-.0367	0.6976	0.1685	0.9700	0.0946	0.1270	0.0188	0.9965	1.0000	-.0778
BE	0.2226	0.0521	0.0122	-.0343	0.1111	-.1000	-.0580	0.3345	0.2535	-.0833	-.0778	1.0000
B_BHC	-.0355	0.1480	-.0345	0.6611	0.9426	0.0175	0.1797	-.0078	-.0760	0.0788	0.0780	0.0694
G_BHC	0.6966	0.0786	-.0324	0.0550	0.0760	0.0467	-.0226	0.0581	0.2489	0.0592	0.0868	0.0740
CD	0.2012	0.1848	-.0551	0.0875	0.0983	0.0742	0.6371	0.1108	0.0249	0.0981	0.1054	0.2660
CHLORD_T	0.7172	0.0304	-.0314	-.0127	0.0113	-.0035	-.0194	0.0506	0.2644	0.0059	0.0378	0.0540
CHLORD_A	0.7257	0.0364	-.0256	-.0050	0.0188	0.0028	-.0153	0.0525	0.2724	0.0121	0.0457	0.0583
CHLORD_G	0.7256	0.0434	-.0256	0.0032	0.0261	0.0092	-.0086	0.0541	0.2724	0.0178	0.0511	0.0605
CR	0.3254	0.3138	0.0147	0.5160	0.3872	0.4248	0.1598	0.2498	0.0707	0.4747	0.4895	0.2828
CHRYSENE	0.0452	0.2129	-.0402	0.8801	0.7250	0.5992	0.1807	0.1308	0.0223	0.6559	0.6558	0.0081
CO	0.1664	0.0900	-.0257	-.0050	0.0401	0.0089	-.0101	0.2691	0.0882	0.0373	0.0430	0.6709
CU	0.7477	0.1853	-.0085	0.1272	0.1652	0.0857	0.1145	0.2601	0.2280	0.1137	0.1354	0.2882
DINOCTPH	0.0317	0.2823	-.0501	0.7868	0.6894	0.3959	0.1463	0.1359	-.0254	0.4315	0.4307	-.0114
DIELDRIN	0.2835	0.0015	0.0081	-.0040	-.0147	0.0110	0.1688	-.0186	0.0928	0.0082	0.0215	-.0377
ENDRIN_A	-.0057	-.0049	0.0152	-.0836	-.0490	-.0818	-.0266	0.1481	0.0336	-.0829	-.0797	0.0144
ENDRIN_K	-.0160	0.1462	0.0985	0.0314	-.0117	0.0695	0.0089	-.0351	-.0498	0.0625	0.0590	-.0826
FLUORANT	0.1060	0.1943	-.0624	0.5238	0.1828	0.6637	0.1184	0.1512	-.0455	0.7068	0.7133	-.0539
FLUORENE	-.0240	0.2953	-.0379	0.8383	0.7954	0.4603	0.1381	0.0510	-.0643	0.4961	0.4892	-.0119
PB	0.0517	0.0164	-.0114	0.3685	0.0158	0.1533	0.0788	-.0099	0.0645	0.1472	0.1488	-.0024
LOMWPAH	-.0289	0.3217	-.0377	0.7087	0.7508	0.2979	0.1373	-.0015	-.0859	0.3362	0.3315	-.0020
HG	0.0482	0.5109	-.0305	0.3824	0.0154	0.2807	0.0584	-.0290	-.0352	0.2715	0.2673	-.0348
NAPHTHAL	-.0295	0.3420	-.0404	0.6541	0.5857	0.4057	0.0988	0.0148	-.0999	0.4296	0.4242	-.0285
NI	0.1029	0.6618	-.0192	0.5603	0.1493	0.5815	0.0472	0.0203	0.0208	0.5734	0.5674	-.0084
OIL_GREA	-.0085	0.1581	-.0345	0.7079	0.7320	0.2860	0.1381	0.0728	-.0511	0.3227	0.3211	0.0023
PHENANTH	-.0201	-.0001	-.0113	0.0461	0.0034	0.0278	-.0172	-.0307	0.1533	0.0250	0.0230	-.0341
PHENOL	0.0358	0.5147	-.0579	0.6436	0.1127	0.8628	0.0118	0.1218	-.0666	0.8431	0.8348	-.1013
PYRENE	0.0754	0.4909	-.0043	0.5299	0.0724	0.7825	0.0116	0.0557	0.0781	0.7733	0.7674	-.0610
SE	0.0022	0.0232	0.0146	0.3650	0.0390	0.5146	-.0185	0.0520	0.1209	0.5039	0.4951	-.0360
TL	0.1320	0.0751	0.0261	-.0244	0.1204	0.0327	0.0036	0.2780	0.0334	0.0798	0.0722	0.2862
TDDT	0.6837	0.2944	0.3407	0.1468	0.1746	0.0897	0.2304	0.0830	0.2015	0.1224	0.1463	0.1784
TPAH	0.0242	0.3226	-.0417	0.7086	0.7620	0.2840	0.1943	0.0101	-.0754	0.3499	0.3517	0.0173

Principal Component Analysis

Correlation Matrix

	DDD	DDE	DDT	ACENAPH	ALDRIN	ANTHRAC	PCB1254	AS	BA	BAA	BAP	BE
TPCB	0.0742	0.5131	0.0357	0.3585	0.0241	0.2528	0.1303	-.0401	-.0407	0.2509	0.2474	-.0348
TPHTHAL	0.3831	0.1160	-.0356	0.2991	0.3553	0.0269	0.0897	0.1118	0.0607	0.0695	0.0809	0.0324
TPHDIES	-.0293	0.2896	-.0381	0.7605	0.8423	0.2872	0.1541	0.0082	-.0805	0.3308	0.3269	0.0144
V	0.0833	0.7057	0.0221	0.3432	0.0145	0.3700	0.0128	-.0298	0.0190	0.3570	0.3563	-.0377
WO	-.0006	0.2340	-.0307	0.7520	0.8744	0.2211	0.1734	0.0838	-.0550	0.2679	0.2665	0.0363
ZN	0.0383	0.4478	0.0356	0.3292	-.0031	0.2232	0.0314	-.0279	0.0339	0.2126	0.2140	-.0270

Principal Component Analysis

Correlation Matrix

	B_BHC	G_BHC	CD	CHLORD_T	CHLORD_A	CHLORD_G	CR	CHRYSENE	CO	CU	DINOCTPH	DIELDRIN
DDD	-.0355	0.6966	0.2012	0.7172	0.7257	0.7256	0.3254	0.0452	0.1664	0.7477	0.0317	0.2835
DDE	0.1480	0.0786	0.1648	0.0304	0.0364	0.0434	0.3136	0.2129	0.0900	0.1853	0.2823	0.0015
DDT	-.0345	-.0324	-.0551	-.0314	-.0256	-.0256	0.0147	-.0402	-.0257	-.0085	-.0501	0.0081
ACENAPH	0.6611	0.0550	0.0875	-.0127	-.0050	0.0032	0.5160	0.8801	-.0050	0.1272	0.7868	-.0040
ALDRIN	0.9426	0.0760	0.0983	0.0113	0.0188	0.0261	0.3872	0.7250	0.0401	0.1652	0.6894	-.0147
ANTHRAC	0.0175	0.0467	0.0742	-.0035	0.0028	0.0092	0.4248	0.5992	0.0089	0.0857	0.3959	0.0110
PCB1254	0.1797	-.0226	0.6371	-.0194	-.0153	-.0086	0.1598	0.1807	-.0101	0.1145	0.1463	0.1688
AS	-.0078	0.0581	0.1108	0.0506	0.0525	0.0541	0.2498	0.1308	0.2691	0.2601	0.1359	-.0186
BA	-.0760	0.2489	0.0249	0.2644	0.2724	0.2724	0.0707	0.0223	0.0882	0.2280	-.0254	0.0928
BAA	0.0788	0.0592	0.0981	0.0059	0.0121	0.0178	0.4747	0.6559	0.0373	0.1137	0.4315	0.0082
BAP	0.0780	0.0868	0.1054	0.0378	0.0457	0.0511	0.4695	0.6558	0.0430	0.1354	0.4307	0.0215
BE	0.0694	0.0740	0.2660	0.0540	0.0583	0.0605	0.2828	0.0081	0.6709	0.2882	-.0114	-.0377
B_BHC	1.0000	0.0366	0.0549	-.0183	-.0123	-.0060	0.3312	0.6724	0.0016	0.0934	0.6481	-.0260
G_BHC	0.0366	1.0000	0.2354	0.9583	0.9549	0.9561	0.2010	0.0849	0.1948	0.7472	0.0607	0.3686
CD	0.0549	0.2354	1.0000	0.2451	0.2490	0.2556	0.1518	0.1223	0.5997	0.4096	0.0895	0.2103
CHLORD_T	-.0183	0.9583	0.2451	1.0000	0.9982	0.9975	0.1527	0.0185	0.1834	0.7462	0.0045	0.3976
CHLORD_A	-.0123	0.9549	0.2490	0.9982	1.0000	0.9997	0.1647	0.0266	0.1884	0.7503	0.0105	0.4022
CHLORD_G	-.0060	0.9561	0.2556	0.9975	0.9997	1.0000	0.1703	0.0330	0.1907	0.7536	0.0157	0.4056
CR	0.3312	0.2010	0.1518	0.1527	0.1647	0.1703	1.0000	0.5375	0.2101	0.5017	0.4392	0.0080
CHRYSENE	0.6724	0.0849	0.1223	0.0185	0.0266	0.0330	0.5375	1.0000	0.0353	0.1644	0.8531	0.0100
CO	0.0016	0.1948	0.5997	0.1834	0.1884	0.1907	0.2101	0.0353	1.0000	0.3781	0.0033	0.0322
CU	0.0934	0.7472	0.4096	0.7462	0.7503	0.7536	0.5017	0.1644	0.3781	1.0000	0.1623	0.2681
DINOCTPH	0.6481	0.0607	0.0895	0.0045	0.0105	0.0157	0.4392	0.8531	0.0033	0.1623	1.0000	-.0094
DIELDRIN	-.0260	0.3686	0.2103	0.3976	0.4022	0.4056	0.0080	0.0100	0.0322	0.2681	-.0094	1.0000
ENDRIN_A	-.0523	-.0194	-.0821	-.0256	-.0229	-.0192	-.0038	-.0757	0.0606	0.0211	-.0680	-.0103
ENDRIN_K	-.0237	0.0029	-.0063	-.0194	-.0101	-.0002	0.0370	-.0250	-.0064	-.0251	-.0043	0.0698
FLUORANT	0.1312	0.1377	0.1285	0.1103	0.1165	0.1196	0.6218	0.6088	0.0330	0.2007	0.3961	0.0726
FLUORENE	0.7547	0.0482	0.1075	-.0153	-.0086	-.0012	0.5853	0.8773	-.0073	0.1731	0.7907	-.0111
PB	-.0053	0.0765	0.0198	0.0808	0.0840	0.0846	0.0745	0.0931	0.0315	0.1094	0.1537	0.0169
LOMWPAH	0.7278	0.0400	0.1085	-.0144	-.0087	-.0025	0.5886	0.7459	-.0057	0.1818	0.7245	-.0205
HG	-.0202	0.0002	0.0109	-.0148	-.0133	-.0113	0.0993	-.0086	0.0199	0.0512	0.1549	-.0229
NAPHTHAL	0.5501	0.0372	0.1106	-.0128	-.0075	-.0016	0.6164	0.6782	-.0063	0.1915	0.6281	-.0136
NI	0.0793	0.0365	0.0643	-.0068	-.0020	0.0033	0.1649	0.2334	0.0698	0.1016	0.2943	-.0287
OIL_GREA	0.7211	0.0390	0.0834	-.0012	0.0034	0.0079	0.3345	0.7819	-.0278	0.1050	0.7879	0.0543
PHENANTH	0.0043	-.0248	-.0187	-.0137	-.0149	-.0156	-.0139	0.0136	-.0402	-.0297	0.0115	-.0251
PHENOL	0.0309	0.0475	0.0825	0.0070	0.0124	0.0178	0.5341	0.5092	0.0001	0.1174	0.3960	0.0266
PYRENE	-.0066	0.0361	0.0428	-.0086	-.0034	0.0020	0.1279	0.4016	0.0340	0.0419	0.3116	-.0194
SE	-.0267	0.0037	0.0017	-.0280	-.0255	-.0221	-.0385	0.3396	0.0186	0.0137	0.1503	-.0386
TL	-.0056	0.0933	0.1245	0.0264	0.0352	0.0367	0.2405	0.0247	0.3536	0.2625	0.0155	-.0987
TDDT	0.1348	0.5870	0.3045	0.5926	0.6017	0.6025	0.3716	0.2165	0.1604	0.5777	0.1858	0.2368
TPAH	0.7419	0.0721	0.1313	0.0194	0.0262	0.0318	0.6100	0.7771	0.0223	0.2148	0.7560	-.0086

Principal Component Analysis

Correlation Matrix

	B_BHC	G_BHC	CD	CHLORD_T	CHLORD_A	CHLORD_G	CR	CHRYSENE	CO	CU	DINOCTPH	DIELDRIN
TPCB	-.0110	0.0262	0.0507	-.0000	0.0063	0.0134	0.1076	-.0064	0.0397	0.0813	0.1451	0.0407
TPHTHAL	0.3443	0.5114	0.1535	0.4690	0.4600	0.4610	0.2743	0.4373	0.1019	0.4780	0.6337	0.1547
TPHDIES	0.8202	0.0477	0.1064	-.0115	-.0056	0.0009	0.5612	0.7861	-.0122	0.1688	0.7363	-.0066
V	-.0286	-.0067	0.0224	-.0243	-.0226	-.0202	0.0899	-.0020	0.0256	0.0399	0.1400	-.0381
WO	0.8600	0.0521	0.1002	-.0020	0.0037	0.0095	0.4796	0.8049	-.0098	0.1605	0.8274	0.0027
ZN	-.0368	-.0262	0.0006	-.0289	-.0289	-.0279	0.0692	-.0112	0.0132	0.0373	0.1244	-.0471

Principal Component Analysis

Correlation Matrix

	ENDRIN_A	ENDRIN_K	FLUORANT	FLUORENE	PB	LOMWPAH	HG	NAPHTHAL	NI	OIL_GREA	PHENANTH	PHENOL
DDD	-.0057	-.0160	0.1060	-.0240	0.0517	-.0289	0.0482	-.0295	0.1029	-.0085	-.0201	0.0358
DDE	-.0049	0.1462	0.1943	0.2953	0.0164	0.3217	0.5109	0.3420	0.6618	0.1581	-.0001	0.5147
DDT	0.0152	0.0985	-.0624	-.0379	-.0114	-.0377	-.0305	-.0404	-.0192	-.0345	-.0113	-.0579
ACENAPH	-.0836	0.0314	0.5238	0.8383	0.3685	0.7087	0.3824	0.6541	0.5603	0.7079	0.0461	0.6436
ALDRIN	-.0490	-.0117	0.1828	0.7954	0.0158	0.7508	0.0154	0.5857	0.1493	0.7320	0.0034	0.1127
ANTHRAC	-.0818	0.0695	0.6637	0.4603	0.1533	0.2979	0.2807	0.4057	0.5815	0.2860	0.0278	0.8628
PCB1254	-.0266	0.0089	0.1184	0.1381	0.0788	0.1373	0.0584	0.0988	0.0472	0.1381	-.0172	0.0118
AS	0.1481	-.0351	0.1512	0.0510	-.0099	-.0015	-.0290	0.0148	0.0203	0.0728	-.0307	0.1218
BA	0.0336	-.0498	-.0455	-.0643	0.0645	-.0859	-.0352	-.0999	0.0208	-.0511	0.1533	-.0666
BAA	-.0829	0.0625	0.7068	0.4961	0.1472	0.3362	0.2715	0.4296	0.5734	0.3227	0.0250	0.8431
BAP	-.0797	0.0590	0.7133	0.4892	0.1488	0.3315	0.2673	0.4242	0.5674	0.3211	0.0230	0.8348
BE	0.0144	-.0826	-.0539	-.0119	-.0024	-.0020	-.0348	-.0285	-.0084	0.0023	-.0341	-.1013
B_BHC	-.0523	-.0237	0.1312	0.7547	-.0053	0.7278	-.0202	0.5501	0.0793	0.7211	0.0043	0.0309
G_BHC	-.0194	0.0029	0.1377	0.0482	0.0765	0.0400	0.0002	0.0372	0.0365	0.0390	-.0248	0.0475
CD	-.0821	-.0063	0.1285	0.1075	0.0198	0.1085	0.0109	0.1106	0.0643	0.0834	-.0187	0.0825
CHLORD_T	-.0256	-.0194	0.1103	-.0153	0.0808	-.0144	-.0148	-.0128	-.0068	-.0012	-.0137	0.0070
CHLORD_A	-.0229	-.0101	0.1165	-.0086	0.0840	-.0087	-.0133	-.0075	-.0020	0.0034	-.0149	0.0124
CHLORD_G	-.0192	-.0002	0.1196	-.0012	0.0846	-.0025	-.0113	-.0016	0.0033	0.0079	-.0156	0.0178
CR	-.0038	0.0370	0.6218	0.5853	0.0745	0.5886	0.0993	0.6164	0.1649	0.3345	-.0139	0.5341
CHRYSENE	-.0757	-.0250	0.6088	0.8773	0.0931	0.7459	-.0086	0.6782	0.2334	0.7819	0.0136	0.5092
CO	0.0606	-.0064	0.0330	-.0073	0.0315	-.0057	0.0199	-.0063	0.0698	-.0278	-.0402	0.0001
CU	0.0211	-.0251	0.2007	0.1731	0.1094	0.1818	0.0512	0.1915	0.1016	0.1050	-.0297	0.1174
DINOCTPH	-.0680	-.0043	0.3961	0.7907	0.1537	0.7245	0.1549	0.6281	0.2943	0.7879	0.0115	0.3960
DIELDRIN	-.0103	0.0698	0.0726	-.0111	0.0169	-.0205	-.0229	-.0136	-.0287	0.0543	-.0251	0.0266
ENDRIN_A	1.0000	0.1230	-.0846	-.0641	-.0500	-.0485	-.0394	-.0556	-.0635	-.0717	0.2771	-.0897
ENDRIN_K	0.1230	1.0000	-.0042	0.0077	-.0206	0.0209	0.1057	0.0303	0.1218	-.0202	-.0072	0.0817
FLUORANT	-.0846	-.0042	1.0000	0.5490	-.0137	0.4752	-.0299	0.6034	0.0088	0.4792	-.0177	0.8276
FLUORENE	-.0641	0.0077	0.5490	1.0000	0.0448	0.9618	-.0138	0.9211	0.1646	0.7898	0.0194	0.4677
PB	-.0500	-.0206	-.0137	0.0448	1.0000	-.0020	0.7499	-.0051	0.5254	-.0117	0.0724	0.1887
LOMWPAH	-.0485	0.0209	0.4752	0.9618	-.0020	1.0000	-.0205	0.9604	0.0879	0.7292	0.0134	0.3751
HG	-.0394	0.1057	-.0299	-.0138	0.7499	-.0205	1.0000	-.0224	0.8427	-.0325	0.0627	0.3996
NAPHTHAL	-.0556	0.0303	0.6034	0.9211	-.0051	0.9604	-.0224	1.0000	0.0735	0.6503	0.0109	0.5116
NI	-.0635	0.1218	0.0088	0.1646	0.5254	0.0879	0.8427	0.0735	1.0000	0.0598	0.0568	0.4718
OIL_GREA	-.0717	-.0202	0.4792	0.7898	-.0117	0.7292	-.0325	0.6503	0.0598	1.0000	-.0042	0.3693
PHENANTH	0.2771	-.0072	-.0177	0.0194	0.0724	0.0134	0.0627	0.0109	0.0568	-.0042	1.0000	0.0130
PHENOL	-.0897	0.0817	0.8276	0.4677	0.1887	0.3751	0.3996	0.5116	0.4718	0.3693	0.0130	1.0000
PYRENE	-.0517	0.0861	0.1134	0.2090	0.2272	0.0528	0.4120	0.0625	0.8057	0.0495	0.0469	0.4464
SE	-.0123	0.0153	-.0698	0.1423	0.3662	-.0362	0.1252	-.0403	0.4457	-.0605	0.0567	0.0799
TL	-.1218	-.0290	0.0470	-.0080	-.0775	-.0248	-.0364	-.0165	0.0372	-.0607	-.1179	0.0158
TDDT	-.1163	-.0558	0.3089	0.2757	0.0303	0.3141	-.0594	0.3376	-.0287	0.1964	-.0418	0.1509
TPAH	-.0535	0.0148	0.4949	0.9509	-.0015	0.9870	-.0156	0.9341	0.0961	0.7421	0.0098	0.3567

Principal Component Analysis

Correlation Matrix

	ENDRIN_A	ENDRIN_K	FLUORANT	FLUORENE	PB	LOMWPAH	HG	NAPHTHAL	NI	OIL_GREA	PHENANTH	PHENOL
TPCB	0.0492	0.2675	-.0336	-.0132	0.7095	-.0191	0.9504	-.0244	0.7973	-.0317	0.0551	0.3685
TPHTHAL	-.0633	-.0440	0.1855	0.3851	0.0215	0.3861	-.0269	0.3082	0.0244	0.4693	-.0206	0.0603
TPHDIES	-.0534	0.0092	0.4718	0.9637	-.0021	0.9731	-.0225	0.9043	0.0894	0.8211	0.0113	0.3636
V	0.0133	0.1404	-.0503	-.0187	0.4370	-.0321	0.8719	-.0337	0.8666	-.0521	0.0806	0.4168
WO	-.0662	-.0109	0.3988	0.9176	-.0059	0.9063	-.0287	0.8021	0.0826	0.8899	0.0042	0.2870
ZN	0.0454	0.1015	-.0669	-.0246	0.7205	-.0380	0.8884	-.0398	0.7243	-.0613	0.1038	0.3116

Principal Component Analysis

Correlation Matrix

	PYRENE	SE	TL	TDDT	TPAH	TPCB	TPHTHAL	TPHDIES	V	WO	ZN
DDD	0.0754	0.0022	0.1320	0.6837	0.0242	0.0742	0.3831	-.0293	0.0833	-.0006	0.0383
DDE	0.4909	0.0232	0.0751	0.2944	0.3226	0.5131	0.1160	0.2896	0.7057	0.2340	0.4478
DDT	-.0043	0.0146	0.0261	0.3407	-.0417	0.0357	-.0356	-.0381	0.0221	-.0307	0.0356
ACENAPH	0.5299	0.3650	-.0244	0.1468	0.7086	0.3585	0.2991	0.7605	0.3432	0.7520	0.3292
ALDRIN	0.0724	0.0390	0.1204	0.1746	0.7620	0.0241	0.3553	0.8423	0.0145	0.8744	-.0031
ANTHRAC	0.7825	0.5146	0.0327	0.0897	0.2840	0.2528	0.0269	0.2872	0.3700	0.2211	0.2232
PCB1254	0.0116	-.0185	0.0036	0.2304	0.1943	0.1303	0.0897	0.1541	0.0128	0.1734	0.0314
AS	0.0557	0.0520	0.2780	0.0830	0.0101	-.0401	0.1118	0.0082	-.0298	0.0838	-.0279
BA	0.0781	0.1209	0.0334	0.2015	-.0754	-.0407	0.0607	-.0805	0.0190	-.0550	0.0339
BAA	0.7733	0.5039	0.0798	0.1224	0.3499	0.2509	0.0695	0.3308	0.3570	0.2679	0.2126
BAP	0.7674	0.4951	0.0722	0.1463	0.3517	0.2474	0.0809	0.3269	0.3563	0.2665	0.2140
BE	-.0610	-.0360	0.2862	0.1784	0.0173	-.0348	0.0324	0.0144	-.0377	0.0363	-.0270
B_BHC	-.0066	-.0267	-.0056	0.1348	0.7419	-.0110	0.3443	0.8202	-.0286	0.8600	-.0368
G_BHC	0.0361	0.0037	0.0933	0.5870	0.0721	0.0262	0.5114	0.0477	-.0067	0.0521	-.0262
CD	0.0428	0.0017	0.1245	0.3045	0.1313	0.0507	0.1535	0.1064	0.0224	0.1002	0.0006
CHLORD_T	-.0086	-.0280	0.0264	0.5928	0.0194	-.0000	0.4690	-.0115	-.0243	-.0020	-.0289
CHLORD_A	-.0034	-.0255	0.0352	0.6017	0.0262	0.0063	0.4600	-.0056	-.0226	0.0037	-.0289
CHLORD_G	0.0020	-.0221	0.0367	0.6025	0.0318	0.0134	0.4610	0.0009	-.0202	0.0095	-.0279
CR	0.1279	-.0385	0.2405	0.3716	0.6100	0.1076	0.2743	0.5612	0.0899	0.4796	0.0692
CHRYSENE	0.4016	0.3396	0.0247	0.2165	0.7771	-.0064	0.4373	0.7861	-.0020	0.8049	-.0112
CO	0.0340	0.0186	0.3536	0.1604	0.0223	0.0397	0.1019	-.0122	0.0256	-.0098	0.0132
CU	0.0419	0.0137	0.2625	0.5777	0.2148	0.0813	0.4780	0.1688	0.0399	0.1605	0.0373
DINOCTPH	0.3116	0.1503	0.0155	0.1858	0.7560	0.1451	0.6337	0.7363	0.1400	0.8274	0.1244
DIELDRIN	-.0194	-.0386	-.0987	0.2388	-.0086	0.0407	0.1547	-.0066	-.0381	0.0027	-.0471
ENDRIN_A	-.0517	-.0123	-.1218	-.1163	-.0535	0.0492	-.0633	-.0534	0.0133	-.0662	0.0454
ENDRIN_K	0.0861	0.0153	-.0290	-.0558	0.0148	0.2675	-.0440	0.0092	0.1404	-.0109	0.1015
FLUORANT	0.1134	-.0698	0.0470	0.3089	0.4949	-.0336	0.1855	0.4718	-.0503	0.3988	-.0669
FLUORENE	0.2090	0.1423	-.0080	0.2757	0.9509	-.0132	0.3851	0.9637	-.0187	0.9176	-.0246
PB	0.2272	0.3662	-.0775	0.0303	-.0015	0.7095	0.0215	-.0021	0.4370	-.0059	0.7205
LOMWPAH	0.0528	-.0362	-.0248	0.3141	0.9870	-.0191	0.3861	0.9731	-.0321	0.9063	-.0380
HG	0.4120	0.1252	-.0364	-.0594	-.0156	0.9504	-.0269	-.0225	0.8719	-.0287	0.8884
NAPHTHAL	0.0625	-.0403	-.0165	0.3376	0.9341	-.0244	0.3082	0.9043	-.0337	0.8021	-.0398
NI	0.8057	0.4457	0.0372	-.0287	0.0961	0.7973	0.0244	0.0894	0.8666	0.0826	0.7243
OIL_GREA	0.0495	-.0605	-.0607	0.1964	0.7421	-.0317	0.4693	0.8211	-.0521	0.8899	-.0613
PHENANTH	0.0469	0.0567	-.1179	-.0418	0.0098	0.0551	-.0206	0.0113	0.0806	0.0042	0.1038
PHENOL	0.4464	0.0799	0.0158	0.1509	0.3567	0.3685	0.0603	0.3636	0.4168	0.2870	0.3116
PYRENE	1.0000	0.7530	0.0562	-.0377	0.0657	0.3627	0.0363	0.0401	0.5493	0.0323	0.3544
SE	0.7530	1.0000	0.0470	-.1103	-.0438	0.1270	-.0699	-.0413	0.1448	-.0530	0.2039
TL	0.0562	0.0470	1.0000	0.1187	0.0020	-.0024	0.0604	-.0251	-.0402	-.0081	-.0983
TDDT	-.0377	-.1103	0.1187	1.0000	0.3459	-.0518	0.4267	0.2885	-.0954	0.2702	-.1126
TPAH	0.0657	-.0438	0.0020	0.3459	1.0000	-.0113	0.4433	0.9629	-.0264	0.9108	-.0378

Principal Component Analysis

Correlation Matrix

	PYRENE	SE	TL	TDDT	TPAH	TPCB	TPHTHAL	TPHDIES	V	WO	ZN
TPCB	0.3827	0.1270	-.0024	-.0518	-.0113	1.0000	-.0236	-.0205	0.8327	-.0267	0.8515
TPHTHAL	0.0363	-.0699	0.0604	0.4267	0.4433	-.0236	1.0000	0.3734	-.0510	0.4726	-.0619
TPHDIES	0.0401	-.0413	-.0251	0.2885	0.9629	-.0205	0.3734	1.0000	-.0360	0.9578	-.0424
V	0.5493	0.1448	-.0402	-.0954	-.0264	0.8327	-.0510	-.0360	1.0000	-.0460	0.8866
WO	0.0323	-.0530	-.0081	0.2702	0.9108	-.0267	0.4726	0.9578	-.0460	1.0000	-.0541
ZN	0.3544	0.2039	-.0983	-.1126	-.0378	0.8515	-.0619	-.0424	0.8866	-.0541	1.0000

Principal Component Analysis

Eigenvalues of the Correlation Matrix

	Eigenvalue	Difference	Proportion	Cumulative
PRIN1	12.5814	5.93550	0.267689	0.26769
PRIN2	6.6459	0.31762	0.141402	0.40909
PRIN3	6.3283	3.18046	0.134644	0.54374
PRIN4	3.1478	0.73926	0.066975	0.61071
PRIN5	2.4086	0.48750	0.051246	0.66196
PRIN6	1.9211	0.31361	0.040874	0.70283
PRIN7	1.6074	0.22302	0.034201	0.73703
PRIN8	1.3844	0.04823	0.029456	0.76649
PRIN9	1.3362	0.12779	0.028430	0.79492
PRIN10	1.2084	0.19156	0.025711	0.82063
PRIN11	1.0168	0.03208	0.021635	0.84226
PRIN12	0.9848	0.10159	0.020953	0.86321
PRIN13	0.8832	0.07724	0.018791	0.88201
PRIN14	0.8059	0.06777	0.017148	0.89915
PRIN15	0.7382	0.03333	0.015706	0.91486
PRIN16	0.7048	0.11462	0.014997	0.92986
PRIN17	0.5902	0.08587	0.012558	0.94241
PRIN18	0.5043	0.01354	0.010731	0.95314
PRIN19	0.4908	0.12100	0.010443	0.96359
PRIN20	0.3698	0.12421	0.007868	0.97146
PRIN21	0.2456	0.04567	0.005226	0.97668
PRIN22	0.1999	0.00493	0.004254	0.98093
PRIN23	0.1950	0.05909	0.004149	0.98508
PRIN24	0.1359	0.01896	0.002892	0.98798
PRIN25	0.1170	0.02766	0.002488	0.99046
PRIN26	0.0893	0.00880	0.001900	0.99236
PRIN27	0.0805	0.00506	0.001713	0.99408
PRIN28	0.0754	0.02705	0.001605	0.99568
PRIN29	0.0484	0.00831	0.001029	0.99671
PRIN30	0.0401	0.01423	0.000853	0.99756
PRIN31	0.0258	0.00407	0.000550	0.99811
PRIN32	0.0218	0.00071	0.000463	0.99858
PRIN33	0.0211	0.00390	0.000448	0.99902
PRIN34	0.0172	0.00927	0.000365	0.99939
PRIN35	0.0079	0.00230	0.000168	0.99956
PRIN36	0.0056	0.00079	0.000119	0.99968
PRIN37	0.0048	0.00174	0.000102	0.99978
PRIN38	0.0031	0.00058	0.000065	0.99984
PRIN39	0.0025	0.00093	0.000053	0.99990
PRIN40	0.0016	0.00017	0.000033	0.99993
PRIN41	0.0014	0.00075	0.000030	0.99996

Principal Component Analysis

Eigenvalues of the Correlation Matrix

	Eigenvalue	Difference	Proportion	Cumulative
PRIN42	0.0006	0.00011	0.000014	0.99997
PRIN43	0.0005	0.00015	0.000011	0.99999
PRIN44	0.0004	0.00018	0.000008	0.99999
PRIN45	0.0002	0.00015	0.000004	1.00000
PRIN46	0.0001	0.00002	0.000001	1.00000
PRIN47	0.0000	.	0.000001	1.00000

Principal Component Analysis

Eigenvectors

	PRIN1	PRIN2	PRIN3	PRIN4	PRIN5	PRIN6	PRIN7	PRIN8	PRIN9	PRIN10	PRIN11	PRIN12
DDD	0.047291	-.094635	0.314585	-.000180	0.013505	0.006991	0.097583	0.021617	0.172863	0.097099	-.008838	-.206921
DDE	0.138670	0.160208	0.062242	0.070058	0.075174	-.243375	0.029835	-.023058	0.297884	-.276957	-.294154	-.171397
DDT	-.010030	-.002252	0.020588	0.020238	0.010032	-.073772	0.027680	0.104834	0.623950	0.368908	0.176417	0.158567
ACENAPH	0.260383	0.087622	-.041784	0.030005	-.035638	0.124285	-.030284	-.000710	-.052280	0.052355	0.058306	0.034944
ALDRIN	0.204682	-.110394	-.097124	0.197558	0.058101	0.169632	-.035070	-.036344	0.072516	-.087672	0.011660	-.014886
ANTHRAC	0.181295	0.190807	0.037139	-.315052	-.047566	0.011757	-.012037	0.012158	0.002196	-.024807	-.016186	0.021364
PCB1254	0.056031	-.020737	0.016247	0.076163	0.104697	-.194947	-.555219	0.261196	0.012277	0.194009	0.033829	-.269192
AS	0.035696	-.025469	0.070436	-.108026	0.312601	0.134927	0.236010	0.081441	-.106600	0.076688	0.293323	-.462329
BA	-.001161	-.031491	0.139173	-.033934	0.070681	0.241223	0.189888	0.221808	0.092377	0.278207	-.118972	-.152586
BAA	0.193849	0.176189	0.036995	-.306840	-.025784	0.007227	-.039734	0.013250	0.001800	-.017581	-.007011	0.003000
BAP	0.194133	0.170066	0.048374	-.305378	-.030065	0.004242	-.041794	0.020190	0.002431	-.007862	-.008489	0.000378
BE	0.009452	-.061932	0.082400	0.025150	0.491783	0.094034	0.129393	-.016496	-.016804	0.025050	-.072903	0.166667
B_BHC	0.185793	-.125711	-.121797	0.229299	0.016997	0.154993	-.050305	-.023320	0.058702	-.077514	-.009361	-.005681
G_BHC	0.056868	-.136603	0.327886	0.012202	-.151217	0.055643	0.019720	-.056831	-.040453	-.109269	-.006689	0.077563
CD	0.056653	-.054941	0.132782	0.011225	0.291179	-.151043	-.504966	0.178064	-.127150	-.045609	-.095401	0.028948
CHLORD_T	0.038095	-.142978	0.338374	0.015071	-.172475	0.041007	0.008971	-.034430	-.064316	-.074537	-.024357	0.074988
CHLORD_A	0.040508	-.142475	0.339349	0.014123	-.167616	0.039470	0.009581	-.029687	-.056665	-.071528	-.016779	0.079450
CHLORD_G	0.042771	-.141691	0.339479	0.014681	-.165440	0.038336	0.006224	-.024895	-.054331	-.076867	-.010261	0.080941
CR	0.190391	-.043531	0.059400	-.083321	0.178080	-.178428	0.200561	0.009990	-.028153	0.115068	0.060322	0.080972
CHRYSENE	0.253155	-.036099	-.067667	-.087229	-.016889	0.178358	-.071026	0.030791	-.027530	0.053004	0.078841	-.034322
CO	0.022831	-.039029	0.132412	-.011055	0.475568	0.027003	-.069520	0.010345	-.135850	-.173258	-.023843	0.303461
CU	0.093217	-.124641	0.298158	0.021915	0.101954	-.009156	0.043113	-.009937	-.037967	-.029590	0.013525	0.037707
DINOCTPH	0.234027	-.028965	-.063202	0.084376	-.019403	0.146484	-.015919	-.034626	-.030327	-.004610	0.091510	-.217750
DIELDRIN	0.015460	-.066592	0.151093	0.004941	-.148424	-.075758	-.229466	0.159515	-.072820	-.042664	0.235605	-.059927
ENDRIN_A	-.024965	0.004705	-.001183	0.035834	0.033502	0.034122	0.244545	0.580622	-.043198	-.242156	0.118554	-.027129
ENDRIN_K	0.011068	0.059400	0.011458	0.038753	-.037530	-.138468	0.030902	0.196809	0.232925	-.373329	0.610749	0.200621
FLUORANT	0.180687	-.020010	0.006560	-.293565	-.040224	-.278168	0.090043	0.014244	-.214292	0.152384	0.087606	-.007311
FLUORENE	0.259156	-.079836	-.108434	0.011423	-.022881	0.027688	0.010510	0.023167	0.012138	0.004716	-.017694	0.114047
PB	0.052921	0.193339	0.100257	0.228774	-.031950	0.118549	-.017845	-.016313	-.281372	0.413457	0.188498	0.249691
LOMWPAH	0.239186	-.111246	-.113455	0.079078	-.012562	-.076944	0.053979	0.018931	0.029910	-.017359	-.073774	0.139537
HG	0.067171	0.294893	0.104778	0.265641	0.006479	-.088840	0.055972	-.075450	-.110968	0.079485	0.017401	-.017867
NAPHTHAL	0.231212	-.087406	-.096862	-.013128	-.021464	-.173641	0.091045	0.021445	-.006564	0.013994	-.079526	0.188678
NI	0.120917	0.303706	0.103963	0.110159	0.026915	0.088505	-.036701	-.062299	0.091875	-.105188	-.085438	-.040686
OIL_GREA	0.215538	-.106250	-.106916	0.066844	-.049433	0.046933	-.011422	-.002311	-.066713	0.009360	0.085784	-.165243
PHENANTH	0.004938	0.032605	-.002323	0.036986	-.048070	0.094165	0.159036	0.552676	-.088833	0.020926	-.371182	0.070510
PHENOL	0.185543	0.160307	0.031818	-.216228	-.042163	-.264928	0.120886	-.029215	-.145241	0.038510	0.020621	-.037926
PYRENE	0.118106	0.251500	0.075340	-.162451	-.018606	0.268114	-.137258	-.001042	0.192670	-.159351	-.088512	-.033442
SE	0.056871	0.164969	0.036963	-.159715	-.021494	0.482127	-.203073	0.062718	0.100752	0.053693	0.062640	0.235112
TL	0.016006	-.025549	0.061879	-.081069	0.352095	0.045893	0.047323	-.293753	0.118901	-.062994	0.123208	-.030573
TDDT	0.103960	-.154922	0.215265	-.004715	-.005526	-.164416	-.019608	0.008121	0.297537	0.254530	-.103720	0.038852
TPAH	0.243410	-.117688	-.097292	0.082326	-.000628	-.069750	0.030180	0.017676	0.029738	-.011893	-.063431	0.091550

Principal Component Analysis

Eigenvectors

	PRIN1	PRIN2	PRIN3	PRIN4	PRIN5	PRIN6	PRIN7	PRIN8	PRIN9	PRIN10	PRIN11	PRIN12
TPCB	0.065616	0.280825	0.112257	0.272544	0.015461	-.115208	0.026169	0.007592	-.048323	0.020554	0.160339	0.014400
TPHTHAL	0.130161	-.152240	0.118457	0.105712	-.082424	0.108108	-.004087	-.100280	-.027221	-.073724	0.059364	-.284183
TPHDIES	0.243487	-.117648	-.120294	0.097906	-.012619	-.034776	0.033919	0.015797	0.016613	-.016445	-.043157	0.097281
V	0.069144	0.303387	0.105019	0.197188	0.017264	-.089543	0.074434	-.027356	0.075736	-.122234	-.135307	-.130883
WO	0.236641	-.130633	-.117452	0.133545	-.002248	0.044489	0.012536	-.002308	0.014586	-.010765	0.016243	-.057089
ZN	0.052995	0.283671	0.094236	0.269977	0.005355	-.039567	0.085258	0.016825	-.088897	0.117532	0.009618	0.025785

Principal Component Analysis

Eigenvectors

	PRIN13	PRIN14	PRIN15	PRIN16	PRIN17	PRIN18	PRIN19	PRIN20	PRIN21	PRIN22	PRIN23	PRIN24
DDD	0.028821	-.121561	-.107050	-.034868	-.004389	-.230677	-.213625	0.120003	-.416132	0.086516	-.351078	0.246545
DDE	-.066989	-.027632	-.087530	-.015445	0.092244	-.015523	0.064381	0.175154	-.039608	0.161667	0.026041	-.309763
DDT	0.027128	0.399118	-.009990	0.162194	-.124062	0.030291	0.094964	-.326282	0.064317	-.079386	0.108867	0.024590
ACENAPH	-.033122	0.010801	-.011992	0.077274	-.154702	-.039494	-.020374	0.017612	0.064471	-.035472	-.064506	-.185419
ALDRIN	-.015603	-.130298	0.006496	0.216953	-.271950	-.045148	-.032565	-.010421	0.058519	0.078507	-.066796	-.248275
ANTHRAC	-.045895	0.037917	-.008723	0.010965	-.033895	-.011833	0.035419	-.002882	-.002353	-.094517	0.066681	-.136320
PCB1254	0.196448	-.226155	-.003426	-.074041	-.107413	0.088207	-.170862	0.067339	0.160416	0.002473	0.193514	0.172410
AS	0.002055	-.056294	-.152819	-.011410	0.028467	-.461353	0.387337	-.106952	0.238041	0.024641	0.073993	0.012739
BA	-.446293	-.315468	0.225411	-.242563	-.028876	0.491082	0.160421	-.046713	0.009418	-.072227	-.099971	-.085843
BAA	0.008600	0.015170	0.006092	0.029531	-.059344	0.015131	-.041313	0.028813	0.031079	0.013917	-.017664	0.080996
BAP	0.005951	0.011587	0.000066	0.023152	-.073078	0.029345	-.066735	0.020206	0.048234	0.039683	-.026200	0.161290
BE	-.307465	0.115881	-.060488	-.019524	0.013198	-.075940	-.409098	0.277656	0.113407	-.001709	0.503315	0.012953
B_BHC	-.049983	-.095452	-.024959	0.166458	-.304500	-.073497	-.118074	-.048962	0.137295	0.060754	-.198996	-.170885
G_BHC	0.047638	-.000505	0.021905	0.019509	-.118651	0.049034	0.051417	0.000440	0.186356	0.017253	0.159594	-.052906
CD	-.019365	0.076208	0.051580	-.154076	-.077390	-.021220	0.248910	-.169301	-.100607	-.034551	-.005492	-.164031
CHLORD_T	0.009928	0.002949	-.002870	0.001915	-.128836	-.003290	0.070211	-.030371	0.121915	0.027871	0.112173	0.117147
CHLORD_A	0.005306	-.008549	-.001170	0.008655	-.133762	0.001976	0.067866	-.020253	0.108231	0.021459	0.082697	0.136971
CHLORD_G	0.003863	-.013205	-.000882	0.008427	-.135209	0.003544	0.067023	-.017965	0.111315	0.012725	0.088237	0.118928
CR	0.136752	-.231267	-.056466	0.010235	0.097094	0.048130	-.466327	-.352300	0.162734	-.030928	-.122085	0.016312
CHRYSENE	0.000848	0.078139	0.025630	-.010208	-.083585	0.060310	-.121435	0.012227	-.020714	0.201387	-.122723	-.009963
CO	-.120946	0.328833	0.018451	-.024909	-.015811	0.060848	0.124848	-.063906	0.005813	0.066679	-.453402	0.171825
CU	0.170683	-.103514	-.075598	-.008862	0.081546	-.034185	-.091705	-.307964	-.465330	-.291353	0.121711	-.311858
DINOCTPH	0.047655	0.249813	0.110254	-.124139	0.163202	0.105367	-.072253	-.032382	-.007498	0.041638	-.020837	0.084063
DIELDRIN	-.457747	-.017484	-.058190	0.592772	0.470462	0.032187	-.050426	-.032073	0.009108	0.061047	-.047444	-.029755
ENDRIN_A	0.278873	0.126779	-.449698	0.101558	-.075652	0.384493	0.025920	0.189440	-.012888	-.046211	-.010757	-.024772
ENDRIN_K	-.108258	-.166496	0.349638	-.324423	-.033173	-.136892	-.059219	0.088526	-.031315	0.055587	0.004463	-.030180
FLUORANT	-.002379	0.076691	0.087108	0.028426	-.160684	0.064857	-.048797	0.080730	-.025425	0.195011	-.050998	-.022729
FLUORENE	-.000118	-.065641	-.053915	-.018029	0.075353	-.020822	0.103556	-.025495	-.000706	0.018566	0.037738	-.037427
PB	0.112303	-.016300	-.028286	-.050542	0.100184	-.028202	0.054455	0.222577	-.004786	-.039396	-.075482	-.110422
LOMWPAH	0.008386	-.105211	-.068952	-.075178	0.192242	0.001588	0.142314	-.043054	0.053090	-.022952	0.034204	0.099353
HG	0.007437	0.011024	0.026400	0.029615	0.000396	-.012712	0.017311	0.071491	0.092397	-.213753	-.084374	0.024624
NAPHTHAL	0.016741	-.107832	-.075415	-.099102	0.264016	-.011644	0.232214	-.014914	-.006625	-.042074	0.137200	0.088434
NI	-.021479	-.023257	-.019785	0.025917	0.030254	-.049660	-.006212	-.003571	0.086641	-.346757	-.072615	0.118272
OIL_GREA	-.151702	0.235318	0.100061	0.048904	-.180387	0.024089	0.029894	0.164868	-.466283	-.198255	0.217088	0.237739
PHENANTH	0.176885	0.066293	0.550715	0.206893	0.080737	-.330630	-.054211	-.018772	0.011390	0.002597	0.017797	0.013736
PHENOL	-.074352	0.094704	0.072718	0.049109	-.112318	0.018918	0.064271	0.012918	-.030585	-.082504	0.058161	-.255552
PYRENE	0.009477	0.008035	-.047554	-.032846	0.098607	-.012449	-.050603	-.022606	0.105216	-.167054	-.004773	0.169277
SE	0.127768	-.113152	-.139498	-.063388	0.172952	-.079242	0.037191	0.039292	-.175622	0.213487	0.128231	-.123176
TL	0.388850	-.205272	0.374222	0.412825	0.076155	0.315561	0.206082	0.164718	-.069229	0.068299	0.087305	0.081853
TDDT	0.047934	0.071048	-.045698	-.043236	0.073873	-.126902	0.087032	0.494048	0.087834	0.065234	-.174771	-.140108
TPAH	0.035539	-.087200	-.043553	-.081575	0.177796	0.031554	0.057382	-.018736	0.087140	0.047953	-.044943	0.282510

Principal Component Analysis

Eigenvectors

	PRIN13	PRIN14	PRIN15	PRIN16	PRIN17	PRIN18	PRIN19	PRIN20	PRIN21	PRIN22	PRIN23	PRIN24
TPCB	0.028228	-.014470	0.055347	0.040132	-.009981	0.053201	-.010375	0.100364	0.044222	-.218335	-.041973	0.025828
TPHTHAL	0.179642	0.398356	0.185914	-.247995	0.349267	0.156885	-.165410	-.041227	0.171391	0.051632	-.005247	-.239118
TPHDIES	-.040826	-.091145	-.048976	0.018065	0.000195	-.017768	0.093417	-.006442	-.031379	-.054976	0.049980	0.030737
V	-.083123	0.025319	-.005992	0.025346	-.062656	0.048690	0.018924	-.208266	-.034608	0.238234	0.087355	0.147850
WO	-.053541	0.019511	0.013888	0.019415	-.039622	-.031748	0.063391	0.027741	-.067709	-.082657	0.063234	0.118140
ZN	-.005951	0.021226	-.039234	-.027943	-.016950	0.052145	0.053630	-.169265	-.171172	0.576268	0.181437	0.053962

Principal Component Analysis

Eigenvectors

	PRIN25	PRIN26	PRIN27	PRIN28	PRIN29	PRIN30	PRIN31	PRIN32	PRIN33	PRIN34	PRIN35	PRIN36
DDD	0.060976	0.392962	0.318266	0.025150	0.043984	0.084751	0.005676	0.050016	0.115153	0.007036	-.006947	0.003731
DDE	-.042949	0.006741	-.276789	0.432619	0.103845	-.127915	0.148080	0.131603	0.215518	0.002574	-.132348	0.065604
DDT	0.044164	0.129282	-.028551	0.057139	0.040965	-.025221	0.068219	0.038514	0.108178	0.016472	-.005002	0.010864
ACENAPH	-.053807	0.039931	0.203696	-.016122	0.054193	0.006763	0.008653	0.205773	-.049426	-.265800	-.413618	-.374545
ALDRIN	-.000291	0.103599	0.104499	-.229235	0.045151	-.533671	-.250456	0.111819	-.029494	0.367150	0.056495	0.155087
ANTHRAC	-.056918	-.005158	0.187004	0.017637	0.051163	0.147867	-.100607	0.045705	-.066101	-.113255	-.058568	0.196729
PCB1254	0.120012	-.014688	-.108584	0.033663	0.005019	0.056790	-.161035	0.359756	-.006949	-.084370	0.012173	-.032100
AS	0.048780	-.053176	-.087518	0.052535	-.010033	-.026112	0.039225	-.007863	-.053504	0.008740	-.014460	0.000127
BA	0.046766	-.009309	-.031274	0.009613	0.009260	0.003917	-.018603	0.005002	0.013237	0.027020	0.006428	-.021263
BAA	0.154082	0.000858	-.074258	-.104226	-.028026	-.033475	-.053343	-.126132	0.072887	0.039034	0.060146	-.219655
BAP	0.147802	-.055073	-.127174	-.117838	-.029183	-.067258	-.091173	-.146283	0.144107	0.180226	0.027907	0.135337
BE	-.010060	0.171659	0.027499	-.123004	0.048185	0.044876	0.054681	-.051098	0.041260	-.021613	0.005583	-.011232
B_BHC	0.183535	-.080949	-.142725	-.001649	0.101141	0.660264	0.185662	-.124574	0.037934	0.147865	0.086955	0.051900
G_BHC	0.120589	0.144202	0.116222	0.230031	-.777068	0.063375	0.040125	0.071973	0.005074	0.108565	-.043534	0.028492
CD	-.165676	0.094064	0.299689	-.023663	0.022285	-.029051	0.239784	-.403417	0.051675	0.113512	0.011850	0.041663
CHLORD_T	-.067301	-.033021	-.039320	0.024051	0.231068	-.040637	0.006976	0.050090	0.051844	-.080027	0.164576	-.210037
CHLORD_A	-.119277	-.033591	-.056717	0.025059	0.279045	-.031821	0.017627	0.001445	0.015790	-.011408	-.006061	0.066889
CHLORD_G	-.120456	-.016280	-.057086	0.039800	0.285900	-.020698	-.008332	-.012498	-.026999	-.002991	-.094287	0.123815
CR	-.176620	-.334825	0.187639	0.346952	0.011433	-.097967	0.021873	-.087049	-.080184	0.111003	0.039186	0.035974
CHRYSENE	-.125619	0.169257	-.213357	0.020923	-.126081	-.195804	0.312379	-.026854	-.239854	-.461200	0.268995	0.321698
CO	0.127714	-.099098	-.128764	0.121086	-.034483	0.006128	-.230289	0.306414	-.037579	-.042296	0.000621	-.038104
CU	0.056528	-.079904	-.402398	-.305040	-.097901	0.029360	-.038102	0.061694	-.032180	-.096822	-.050125	-.032220
DINOCTPH	-.658908	0.132904	-.176292	-.051830	-.111145	0.165754	-.094883	0.075525	0.109599	0.300075	-.077014	-.171730
DIELDRIN	0.004951	-.029363	0.003600	-.028478	-.019574	0.005220	0.018595	-.003290	0.018987	0.000470	0.004710	-.002156
ENDRIN_A	-.034494	-.013884	0.098245	-.071952	0.015869	0.021784	0.051884	-.038003	0.042591	0.007003	0.024981	0.005638
ENDRIN_K	-.015956	-.078743	0.024869	-.084293	-.012789	0.004544	0.055838	0.054136	0.056535	-.014150	0.006652	0.003247
FLUORANT	0.166870	0.092655	-.216397	-.097584	0.010805	-.042437	0.074792	-.117633	0.212395	0.157670	-.216855	-.103058
FLUORENE	0.017404	0.138531	0.092127	-.025778	0.063964	0.072444	-.031105	0.192804	-.189033	-.084542	-.008970	-.021082
PB	-.008374	-.088412	-.003770	0.066445	0.048853	-.021700	0.185370	0.088325	0.245101	0.054432	-.230574	0.294400
LOMWPAH	0.016213	0.106006	0.032582	-.020801	0.021044	0.004522	0.105165	-.008455	-.087423	-.063905	0.042423	-.091804
HG	0.007498	0.000725	-.006987	-.068193	-.033127	-.087320	0.200545	0.106894	0.165462	0.050647	0.516803	-.265905
NAPHTHAL	0.099417	0.133948	0.066166	-.063357	0.058705	0.184638	-.132384	0.195432	-.007281	0.256029	0.085054	0.284434
NI	0.053926	-.067803	0.083746	-.150839	-.071733	-.074941	0.110329	0.046023	0.162929	-.054760	-.049155	0.108717
OIL_GREA	0.134086	-.333076	0.051052	0.279341	0.017581	-.074098	0.172734	0.077363	-.232696	0.221687	0.016653	0.024154
PHENANTH	-.000715	0.006360	-.035250	0.032285	-.007985	-.003524	-.005212	0.018283	-.007262	-.005980	-.007081	0.003034
PHENOL	-.110823	0.104620	0.174076	0.019655	0.061135	0.153383	-.072617	0.187940	-.065030	-.055367	0.315651	0.002647
PYRENE	-.035301	-.110358	0.033043	-.119351	0.011574	0.056718	0.101807	0.010145	-.144068	0.056844	-.229777	0.124229
SE	0.067632	-.013131	-.047148	0.278504	0.064731	0.005926	-.125357	-.082057	0.043432	0.139130	0.282263	-.239917
TL	-.036385	0.013596	0.099006	-.017415	0.057304	0.082571	0.094428	-.019818	0.025983	-.067252	-.014564	-.003664
TDOT	-.137478	-.393002	0.001613	-.237249	-.139657	0.036018	-.118406	-.142470	-.279242	0.004441	0.071491	-.080136
TPAH	0.094554	0.104725	-.177784	-.119035	-.027762	-.120482	0.261544	-.087203	-.018714	0.017837	-.023408	-.063392

Principal Component Analysis

Eigenvectors

	PRIN25	PRIN26	PRIN27	PRIN28	PRIN29	PRIN30	PRIN31	PRIN32	PRIN33	PRIN34	PRIN35	PRIN36
TPCB	0.069618	0.358203	-.217601	0.249083	0.067667	0.018510	-.337419	-.400774	-.416712	0.019676	-.095939	0.006164
TPHTHAL	0.426613	-.014916	0.191817	-.033190	0.181355	-.038980	-.040837	-.057718	0.018173	-.031267	0.029011	0.021327
TPHDIES	0.099544	-.070528	0.110641	0.076259	-.040635	-.125983	0.003463	-.181422	0.075480	-.136190	-.157464	-.352950
V	0.016170	-.116281	0.081223	-.176909	-.053945	0.071110	-.038798	-.059863	-.095803	-.016210	0.038357	-.017969
WO	-.078284	-.149482	0.024162	0.078838	-.099595	0.042272	-.449400	-.249447	0.490272	-.382520	0.104102	0.200511
ZN	0.029568	-.147166	0.091874	-.128201	-.053056	0.048972	-.057744	0.008266	-.081334	-.055453	-.082585	0.044176

Principal Component Analysis

Eigenvectors

	PRIN37	PRIN38	PRIN39	PRIN40	PRIN41	PRIN42	PRIN43	PRIN44	PRIN45	PRIN46	PRIN47
DDD	0.075014	0.004031	-.009994	-.005217	-.006393	0.000388	0.003203	0.013511	0.003086	-.004196	-.007713
DDE	0.011281	-.038505	-.051576	-.093263	-.021087	-.006817	-.004550	-.021070	0.007625	-.020244	-.001866
DDT	0.017675	0.001729	-.006348	-.004134	-.002733	-.004912	0.007304	-.002439	0.003411	-.003197	-.003530
ACENAPH	-.289729	-.104298	-.173997	-.019556	-.065029	-.020250	-.200263	0.091918	-.400376	-.031289	-.020735
ALDRIN	0.104581	0.134868	-.000193	-.018706	0.027412	0.037791	0.026622	-.014123	-.012632	-.008519	0.016762
ANTHRAC	0.361478	0.193180	0.134584	-.007681	0.091988	0.021221	-.363569	-.363569	-.019886	0.366716	0.242725
PCB1254	0.083469	0.027709	0.053332	0.079084	0.017599	0.009173	0.018643	-.012911	0.008343	-.003033	0.002291
AS	0.006407	-.012597	0.003869	0.007199	0.004416	0.002288	0.003094	-.000729	0.000072	-.002691	0.000305
BA	-.011924	0.002815	0.003725	-.014972	-.010112	-.004700	0.001594	0.000577	-.004281	-.000112	0.001430
BAA	0.044716	-.039134	-.175033	-.334063	0.236688	-.191793	0.356004	-.486757	-.096910	-.280787	-.086771
BAP	0.078914	-.575970	-.051233	-.005412	-.391562	0.215145	-.255679	0.142344	-.021023	0.002642	-.059378
BE	0.004571	-.013975	-.007933	0.012411	-.003148	0.001378	-.001533	-.003458	0.001729	-.002573	-.000887
B_BHC	0.052044	-.002731	0.067571	-.033062	0.000172	0.006726	0.018818	-.013404	-.013776	-.007877	0.004386
G_BHC	0.000325	0.030098	-.039712	0.008614	-.043222	0.000660	0.011903	-.010993	-.000215	-.007144	0.004390
CD	-.092465	-.028106	-.057120	-.080590	-.014559	-.010873	-.017258	0.014058	-.005633	0.000254	-.000369
CHLORD_T	0.040947	0.010929	0.044141	-.474435	0.301100	0.447246	-.053833	0.246111	0.064490	0.129613	0.025715
CHLORD_A	-.032820	-.053069	-.011438	0.239976	-.116501	-.243331	-.016164	-.064757	0.001958	-.390800	0.601192
CHLORD_G	-.031662	0.010353	0.041275	0.216091	-.124069	-.224246	0.077737	-.199070	-.058622	0.257974	-.633995
CR	-.100208	0.017823	-.014705	-.046332	0.027145	-.010059	-.002278	-.003963	0.005188	0.001742	0.003619
CHRYSENE	-.021641	-.110965	0.061313	0.028536	0.221061	-.099464	-.052410	0.097220	-.030536	-.057869	-.056420
CO	0.073328	0.035667	0.034078	0.047159	0.004037	0.000506	0.010264	-.000560	0.006572	0.003225	0.000690
CU	0.046523	-.009760	-.042060	0.002547	-.028842	-.000504	-.017354	0.003808	-.020907	-.001238	0.000057
DINOCTPH	0.068695	-.081910	0.101845	0.012019	0.048571	0.014508	0.007564	-.065755	0.033313	0.007599	0.007473
DIELDRIN	-.003416	-.001736	0.001804	-.001598	0.000251	0.001696	-.000854	-.000114	-.000362	-.000180	-.000324
ENDRIN_A	-.018650	0.001457	-.001572	0.002288	0.005394	0.005261	0.002922	0.000528	0.001696	0.002814	0.000912
ENDRIN_K	0.009099	-.011178	-.013554	0.004262	0.007781	0.006832	-.000355	-.004990	0.004560	-.002147	-.001010
FLUORANT	-.240163	0.378983	0.109807	0.170298	0.145112	-.039787	-.154195	0.168357	0.248901	0.025967	-.007130
FLUORENE	-.288199	-.164168	-.199930	-.116726	-.182570	-.011349	0.101154	-.169150	0.696672	0.159239	0.069287
PB	0.203237	-.062330	-.206554	0.019865	0.114508	0.188542	0.168058	-.056147	0.059892	-.051238	-.003475
LOMWPAH	0.189267	0.255150	0.071648	0.096538	-.162272	0.342708	-.291319	-.183923	0.027527	-.532488	-.268579
HG	0.051230	0.077092	-.148051	-.031975	-.114969	-.352180	-.318299	0.014221	0.068266	0.113511	-.036995
NAPHTHAL	-.167156	-.154136	0.007030	-.082229	0.366454	-.260519	-.115972	0.203374	-.260028	-.025337	-.031809
NI	-.383988	-.046430	0.586389	0.084690	0.102341	0.153592	0.127327	-.113617	0.063725	-.031794	0.021409
OIL_GREA	-.064000	0.028713	-.021614	-.039288	-.008989	0.044703	-.030854	-.053982	-.039830	-.015593	0.000125
PHENANTH	0.007828	-.002170	0.003575	0.001873	-.001155	-.000484	-.001661	-.000134	-.000007	-.000960	-.000969
PHENOL	0.099000	0.054037	0.077322	0.166792	-.223476	0.153857	0.485626	0.243482	-.101880	-.078117	-.032390
PYRENE	0.170612	0.346679	-.199934	-.118049	-.071797	-.189428	0.094304	0.465702	0.156501	-.098643	-.071134
SE	-.171204	0.113375	0.083841	0.250075	0.004680	0.050273	0.010038	0.044445	-.048908	0.063321	0.013481
TL	-.001399	-.020732	-.003624	-.003442	0.001120	0.003029	-.017522	0.006740	-.002129	0.003653	-.002615
TDDT	-.071724	0.001579	0.033883	0.022195	0.009352	0.006159	-.015692	0.002306	-.011642	0.015566	0.006238
TPAH	0.007906	0.189458	-.076203	0.011067	-.258246	0.129317	0.277835	-.071536	-.340044	0.431702	0.271887

Principal Component Analysis

Eigenvectors

	PRIN37	PRIN38	PRIN39	PRIN40	PRIN41	PRIN42	PRIN43	PRIN44	PRIN45	PRIN46	PRIN47
TPCB	-.026454	0.011983	0.026141	-.067070	0.011756	0.023734	-.018159	0.045986	-.008516	-.000763	0.041385
TPHTHAL	0.015338	-.015722	0.005057	0.027905	-.010328	-.009181	-.001790	-.007491	-.007805	-.001721	-.000321
TPHDIES	0.473364	-.283892	0.255500	0.207427	0.195527	-.226082	0.137458	0.200207	0.184922	0.080260	0.002419
V	-.034945	-.050989	-.400166	0.451716	0.352862	0.248071	0.003668	-.044787	0.036438	0.058924	0.001427
WO	-.116870	0.201199	-.170505	-.060648	-.093459	-.024562	0.015787	0.057180	-.005228	-.002269	-.009048
ZN	0.037542	0.059339	0.317311	-.316176	-.236974	-.171841	0.010672	0.016876	-.021368	-.046561	-.000028

Correlation Analysis

9 'WITH' Variables:	PRIN1	PRIN2	PRIN3	PRIN4	PRIN5	PRIN6	PRIN7	PRIN8	PRIN9				
85 'VAR' Variables:	DDD	DDE	DDT	ACENAPH	ALDRIN	ANTHRAC	PCB1254	AS	BA	BAA	BAP	BE	B_BHC
	G_BHC	CD	CHLORD_T	CHLORD_A	CHLORD_G	CR	CHRYSENE	CO	CU	DINOCTPH	DIELDRIN	ENDRIN_A	ENDRIN_K
	FLUORANT	FLUORENE	PB	LOWMPAH	HG	NAPHTHAL	NI	OIL_GREA	PHENANTH	PHENOL	PYRENE	SE	TL
	TDDT	TPAH	TPCB	TPHTHAL	TPHDIES	V	WO	ZN	PRIN10	PRIN11	PRIN12	PRIN13	PRIN14
	PRIN15	PRIN16	PRIN17	PRIN18	PRIN19	PRIN20	PRIN21	PRIN22	PRIN23	PRIN24	PRIN25	PRIN26	PRIN27
	PRIN28	PRIN29	PRIN30	PRIN31	PRIN32	PRIN33	PRIN34	PRIN35	PRIN36	PRIN37	PRIN38	PRIN39	PRIN40
	PRIN41	PRIN42	PRIN43	PRIN44	PRIN45	PRIN46	PRIN47						

Correlation Analysis

Simple Statistics

Variable	N	Mean	Std Dev	Sum	Minimum	Maximum
PRIN1	133	0	3.547027	0	-1.686254	27.943227
PRIN2	133	0	2.577964	0	-9.524424	18.568847
PRIN3	133	0	2.515606	0	-8.644054	20.085841
PRIN4	133	0	1.774208	0	-7.971290	10.266779
PRIN5	133	0	1.551952	0	-4.567038	10.040240
PRIN6	133	0	1.386021	0	-5.723888	6.871618
PRIN7	133	0	1.267850	0	-7.701958	3.058492
PRIN8	133	0	1.176614	0	-2.161548	8.689856
PRIN9	133	0	1.155939	0	-5.152676	7.287153
DDD	365	6.250452	18.158558	2281.415000	0.130000	190.000000
DDE	365	374.435247	3367.121206	136669	0.130000	62000
DDT	365	10.969699	91.886006	4003.940000	0.130000	1700.000000
ACENAPH	330	32.092121	132.650073	10590	3.900000	1700.000000
ALDRIN	365	1.388836	8.337978	506.925000	0.130000	140.000000
ANTHRAC	419	69.683055	118.766881	29197	3.900000	700.000000
PCB1254	365	18.667123	37.897665	6813.500000	5.000000	390.000000
AS	487	4.697014	10.687028	2287.446000	0.021000	120.000000
BA	488	49.136475	96.947594	23979	0.050000	940.000000
BAA	419	69.413365	118.749882	29084	3.900000	700.000000
BAP	419	69.689976	118.504196	29200	3.900000	700.000000
BE	488	0.416701	0.482512	203.350000	0.050000	4.200000
B_BHC	365	3.407534	13.299654	1243.750000	0.130000	180.000000
G_BHC	365	0.377370	0.518950	137.740000	0.130000	6.600000
CD	488	0.285574	0.399986	139.360000	0.050000	4.100000
CHLORD_T	365	20.509589	234.864658	7486.000000	1.300000	3800.000000
CHLORD_A	365	6.095342	33.613813	2224.800000	1.300000	520.000000
CHLORD_G	365	3.963699	17.879985	1446.750000	1.300000	280.000000
CR	488	14.388340	19.936460	7021.510000	0.050000	170.000000
CHRYSENE	419	77.044511	138.659197	32282	3.900000	1600.000000
CO	488	3.699119	4.699503	1805.170000	0.050000	59.000000
CU	488	10.820123	15.617729	5280.220000	0.380000	180.000000
DINOCTPH	224	179.381473	308.123121	40181	3.900000	3200.000000
DIELDRIN	365	7.326452	51.564886	2674.155000	0	930.000000
ENDRIN_A	365	7.465397	25.078543	2724.870000	0	185.000000
ENDRIN_K	365	2.213260	13.312462	807.840000	0	195.000000
FLUORANT	429	59.682319	108.507027	25604	0.125000	650.000000
FLUORENE	419	76.975418	246.782001	32253	0	3800.000000
PB	478	23.563619	171.058895	11263	0	3600.000000
LOMWPAH	441	115.991497	1192.447755	51152	0	18900
HG	466	30.335013	414.906738	14136	0	6750.000000
NAPHTHAL	441	81.398721	385.107250	35897	0.010000	5700.000000

Correlation Analysis

Simple Statistics

Variable	N	Mean	Std Dev	Sum	Minimum	Maximum
NI	466	26.285837	109.315371	12249	0.050000	1800.000000
OIL_GREA	260	1369.727577	7529.959808	356129	0.050000	92000
PHENANTH	316	1618.818196	20916	511547	3.900000	370000
PHENOL	238	141.663025	561.610101	33716	4.300000	4400.000000
PYRENE	316	130.520728	437.209410	41245	3.900000	4700.000000
SE	465	14.868301	57.461034	6913.760000	0.050000	600.000000
TL	488	0.601803	1.070552	293.680000	0.050000	4.400000
TDOT	391	301.724655	3310.156278	117974	0	63700
TPAH	415	213.040386	1392.012825	88412	0	20500
TPCB	369	72.490515	506.109366	26749	0	6910.000000
TPHTHAL	309	114.294175	489.364992	35317	0	4780.000000
TPHDIES	240	361256	2457174	86701410	0	31000000
V	385	25093	204739	9660890	0.050000	3400000
WO	307	804971	5085206	247126077	0.050000	71000000
ZN	375	130756	922923	49033611	4.800000	13000000
PRIN10	133	0	1.099276	0	-5.100753	5.918868
PRIN11	133	0	1.008389	0	-4.466934	5.639788
PRIN12	133	0	0.992357	0	-4.378005	3.325629
PRIN13	133	0	0.939780	0	-4.908788	2.956026
PRIN14	133	0	0.897743	0	-2.203272	4.751869
PRIN15	133	0	0.859169	0	-3.260522	4.660361
PRIN16	133	0	0.839549	0	-3.262442	5.541482
PRIN17	133	0	0.768258	0	-2.601801	4.538920
PRIN18	133	0	0.710173	0	-2.198568	2.079949
PRIN19	133	0	0.700576	0	-2.523827	2.458549
PRIN20	133	0	0.608120	0	-2.383482	2.158254
PRIN21	133	0	0.495584	0	-2.680787	1.314872
PRIN22	133	0	0.447135	0	-1.404404	2.726516
PRIN23	133	0	0.441590	0	-1.409638	1.954383
PRIN24	133	0	0.368663	0	-1.505734	2.137997
PRIN25	133	0	0.341987	0	-1.237559	1.881140
PRIN26	133	0	0.298817	0	-0.956267	1.005655
PRIN27	133	0	0.283709	0	-1.143135	0.848427
PRIN28	133	0	0.274640	0	-0.828177	1.328669
PRIN29	133	0	0.219948	0	-1.350591	0.865171
PRIN30	133	0	0.200173	0	-0.710634	1.301444
PRIN31	133	0	0.160760	0	-0.615037	0.377167
PRIN32	133	0	0.147561	0	-0.608964	0.342739
PRIN33	133	0	0.145145	0	-0.466371	0.752496
PRIN34	133	0	0.131029	0	-0.544066	0.577426
PRIN35	133	0	0.088866	0	-0.316485	0.365990

Correlation Analysis

Simple Statistics

Variable	N	Mean	Std Dev	Sum	Minimum	Maximum
PRIN36	133	0	0.074842	0	-0.206653	0.308564
PRIN37	133	0	0.069377	0	-0.393537	0.237702
PRIN38	133	0	0.055468	0	-0.158459	0.229798
PRIN39	133	0	0.049954	0	-0.172147	0.187381
PRIN40	133	0	0.039550	0	-0.137834	0.202609
PRIN41	133	0	0.037370	0	-0.100515	0.175246
PRIN42	133	0	0.025399	0	-0.084769	0.080771
PRIN43	133	0	0.023111	0	-0.073902	0.140257
PRIN44	133	0	0.019472	0	-0.057352	0.089589
PRIN45	133	0	0.014088	0	-0.047507	0.052309
PRIN46	133	0	0.007309	0	-0.029951	0.032653
PRIN47	133	0	0.005588	0	-0.014163	0.034259

Correlation Analysis

Pearson Correlation Coefficients / Prob > |R| under Ho: Rho=0 / Number of Observations

PRIN1

ACENAPH	FLUORENE	CHRYSENE	TPHDIES	TPAH	LOMWPAH	WO	DINOCTPH	NAPHTHAL	OIL_GREA	ALDRIN	BAP	BAA
0.92358	0.91923	0.89795	0.86365	0.86338	0.84840	0.83937	0.83010	0.82011	0.76452	0.72601	0.68859	0.68759
0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
133	133	133	133	133	133	133	133	133	133	133	133	133

CR	B_BHC	PHENOL	ANTHRAC	FLUORANT	DDE	TPHTHAL	NI	PYRENE	TDDT	CU	V	HG
0.67532	0.65901	0.65813	0.64306	0.64090	0.49167	0.46168	0.42890	0.41892	0.36882	0.33064	0.24526	0.23826
0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0044	0.0058
133	133	133	133	133	133	133	133	133	133	133	133	133

TPCB	G_BHC	SE	CD	PCB1254	ZN	PB	DDD	CHLORD_G	CHLORD_A	CHLORD_T	AS	ENDRIN_A
0.23274	0.20171	0.20101	0.20095	0.19874	0.18797	0.18771	0.16774	0.15171	0.14368	0.13512	0.12661	-0.08855
0.0070	0.0199	0.0203	0.0204	0.0218	0.0303	0.0305	0.0536	0.0813	0.0990	0.1210	0.1464	0.3108
133	133	133	133	133	133	133	133	133	133	133	133	133

CO	TL	DIELDRIN	ENDRIN_K	DDT	BE	PHENANTH	BA	PRIN45	PRIN41	PRIN46	PRIN44	PRIN43
0.08098	0.05677	0.05484	0.03926	-0.03558	0.03352	0.01752	-0.00412	-0.00000	0.00000	0.00000	0.00000	0.00000
0.3541	0.5163	0.5307	0.6537	0.6844	0.7017	0.8414	0.9625	1.0000	1.0000	1.0000	1.0000	1.0000
133	133	133	133	133	133	133	133	133	133	133	133	133

PRIN42	PRIN36	PRIN35	PRIN34	PRIN33	PRIN32	PRIN31	PRIN40	PRIN39	PRIN38	PRIN37	PRIN26	PRIN25
0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
133	133	133	133	133	133	133	133	133	133	133	133	133

PRIN24	PRIN23	PRIN22	PRIN21	PRIN20	PRIN19	PRIN18	PRIN17	PRIN16	PRIN15	PRIN14	PRIN13	PRIN12
0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
133	133	133	133	133	133	133	133	133	133	133	133	133

PRIN11	PRIN10	PRIN30	PRIN29	PRIN28	PRIN27	PRIN47
0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
133	133	133	133	133	133	133

PRIN2

NI	V	HG	ZN	TPCB	PYRENE	PB	ANTHRAC	BAA	BAP	SE	PHENOL	DDE
0.78294	0.78212	0.76022	0.73129	0.72396	0.64836	0.49842	0.49189	0.45421	0.43842	0.42529	0.41327	0.41301
0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
133	133	133	133	133	133	133	133	133	133	133	133	133

Correlation Analysis

Pearson Correlation Coefficients / Prob > |R| under Ho: Rho=0 / Number of Observations

PRIN2

TDDT	TPHTHAL	CHLORD_T	CHLORD_A	CHLORD_G	G_BHC	WO	B_BHC	CU	TPAH	TPHDIES	LOWWPAH	ALDRIN
-0.39938	-0.39247	-0.36859	-0.36729	-0.36527	-0.35216	-0.33677	-0.32408	-0.32132	-0.30340	-0.30329	-0.28679	-0.28459
0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0002	0.0004	0.0004	0.0008	0.0009
133	133	133	133	133	133	133	133	133	133	133	133	133

OIL_GREA	DDD	ACENAPH	NAPHTHAL	FLUORENE	DIELDRIN	BE	ENDRIN_K	CD	CR	CO	CHRYSENE	PHENANTH
-0.27391	-0.24397	0.22589	-0.22533	-0.20581	-0.17167	-0.15966	0.15313	-0.14164	-0.11222	-0.10062	-0.09306	0.08405
0.0014	0.0047	0.0089	0.0091	0.0175	0.0482	0.0664	0.0785	0.1039	0.1984	0.2492	0.2867	0.3361
133	133	133	133	133	133	133	133	133	133	133	133	133

BA	DINOCTPH	TL	AS	PCB1254	FLUORANT	ENDRIN_A	DDT	PRIN45	PRIN41	PRIN46	PRIN44	PRIN43
-0.08118	-0.07467	-0.06586	-0.06566	-0.05346	-0.05158	0.01213	-0.00581	-0.00000	0.00000	0.00000	0.00000	0.00000
0.3529	0.3930	0.4513	0.4527	0.5411	0.5554	0.8898	0.9471	1.0000	1.0000	1.0000	1.0000	1.0000
133	133	133	133	133	133	133	133	133	133	133	133	133

PRIN42	PRIN36	PRIN35	PRIN34	PRIN33	PRIN32	PRIN31	PRIN40	PRIN39	PRIN38	PRIN37	PRIN26	PRIN25
0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
133	133	133	133	133	133	133	133	133	133	133	133	133

PRIN24	PRIN23	PRIN22	PRIN21	PRIN20	PRIN19	PRIN18	PRIN17	PRIN16	PRIN15	PRIN14	PRIN13	PRIN12
0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
133	133	133	133	133	133	133	133	133	133	133	133	133

PRIN11	PRIN10	PRIN30	PRIN29	PRIN28	PRIN27	PRIN47
0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
133	133	133	133	133	133	133

PRIN3

CHLORD_G	CHLORD_A	CHLORD_T	G_BHC	DDD	CU	TDDT	DIELDRIN	BA	CD	CO	B_BHC	TPHDIES
0.85400	0.85367	0.85122	0.82483	0.79137	0.75005	0.54152	0.38009	0.35010	0.33403	0.33310	-0.30639	-0.30261
0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0003	0.0004
133	133	133	133	133	133	133	133	133	133	133	133	133

TPHTHAL	WO	LOWWPAH	TPCB	FLUORENE	OIL_GREA	V	HG	NI	PB	TPAH	ALDRIN	NAPHTHAL
0.29799	-0.29546	-0.28541	0.28239	-0.27278	-0.26896	0.26419	0.26358	0.26153	0.25221	-0.24475	-0.24433	-0.24367
0.0005	0.0006	0.0009	0.0010	0.0015	0.0017	0.0021	0.0022	0.0024	0.0034	0.0045	0.0046	0.0047
133	133	133	133	133	133	133	133	133	133	133	133	133

Correlation Analysis

Pearson Correlation Coefficients / Prob > |R| under Ho: Rho=0 / Number of Observations

PRIN3

ZN	BE	DDE	PYRENE	AS	CHRYSENE	DINOCTPH	TL	CR	BAP	ACENAPH	ANTHRAC	BAA
0.23706	0.20729	0.20689	0.18953	0.17719	-0.17022	-0.15899	0.15566	0.14943	0.12169	-0.10511	0.09343	0.09306
0.0060	0.0167	0.0169	0.0289	0.0413	0.0501	0.0676	0.0736	0.0860	0.1629	0.2285	0.2848	0.2867
133	133	133	133	133	133	133	133	133	133	133	133	133

SE	PHENOL	DDT	PCB1254	ENDRIN_K	FLUORANT	PHENANTH	ENDRIN_A	PRIN46	PRIN45	PRIN41	PRIN44	PRIN43
0.09298	0.08004	0.05179	0.04087	0.02882	0.01650	-0.00584	-0.00298	-0.00000	0.00000	0.00000	0.00000	0.00000
0.2871	0.3597	0.5538	0.6404	0.7419	0.8505	0.9468	0.9729	1.0000	1.0000	1.0000	1.0000	1.0000
133	133	133	133	133	133	133	133	133	133	133	133	133

PRIN42	PRIN36	PRIN35	PRIN34	PRIN33	PRIN32	PRIN31	PRIN40	PRIN39	PRIN38	PRIN37	PRIN26	PRIN25
0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
133	133	133	133	133	133	133	133	133	133	133	133	133

PRIN24	PRIN23	PRIN22	PRIN21	PRIN20	PRIN19	PRIN18	PRIN17	PRIN16	PRIN15	PRIN14	PRIN13	PRIN12
0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
133	133	133	133	133	133	133	133	133	133	133	133	133

PRIN11	PRIN10	PRIN30	PRIN29	PRIN28	PRIN27	PRIN47
0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
133	133	133	133	133	133	133

PRIN4

ANTHRAC	BAA	BAP	FLUORANT	TPCB	ZN	HG	B_BHC	PB	PHENOL	ALDRIN	V	PYRENE
-0.55897	-0.54440	-0.54180	-0.52085	0.48355	0.47899	0.47130	0.40682	0.40589	-0.38363	0.35051	0.34985	-0.28822
0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0008
133	133	133	133	133	133	133	133	133	133	133	133	133

SE	WO	NI	AS	TPHTHAL	TPHDIES	CHRYSENE	DINOCTPH	CR	TPAH	TL	LOWWPAH	PCB1254
-0.28337	0.23694	0.19545	-0.19166	0.18755	0.17371	-0.15476	0.14970	-0.14783	0.14606	-0.14383	0.14030	0.13513
0.0009	0.0060	0.0242	0.0271	0.0306	0.0455	0.0753	0.0855	0.0895	0.0934	0.0986	0.1072	0.1210
133	133	133	133	133	133	133	133	133	133	133	133	133

DDE	OIL_GREA	ENDRIN_K	PHENANTH	ENDRIN_A	BA	ACENAPH	BE	CU	DDT	CHLORD_T	CHLORD_G	CHLORD_A
0.12430	0.11824	0.06876	0.06562	0.06358	-0.06021	0.05324	0.04462	0.03888	0.03591	0.02674	0.02605	0.02506
0.1540	0.1753	0.4316	0.4530	0.4672	0.4912	0.5428	0.6101	0.6568	0.6816	0.7600	0.7660	0.7747
133	133	133	133	133	133	133	133	133	133	133	133	133

Correlation Analysis

Pearson Correlation Coefficients / Prob > |R| under Ho: Rho=0 / Number of Observations

PRIN4

NAPHTHAL	G_BHC	FLUORENE	CD	CO	DIELDRIN	TDDT	DDD	PRIN45	PRIN41	PRIN46	PRIN44	PRIN43
-0.02329	0.02165	0.02027	0.01992	-0.01961	0.00877	-0.00837	-0.00032	0.00000	0.00000	0.00000	0.00000	0.00000
0.7902	0.8046	0.8169	0.8200	0.8227	0.9202	0.9239	0.9971	1.0000	1.0000	1.0000	1.0000	1.0000
133	133	133	133	133	133	133	133	133	133	133	133	133

PRIN42	PRIN36	PRIN35	PRIN34	PRIN33	PRIN32	PRIN31	PRIN40	PRIN39	PRIN38	PRIN37	PRIN26	PRIN25
0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
133	133	133	133	133	133	133	133	133	133	133	133	133

PRIN24	PRIN23	PRIN22	PRIN21	PRIN20	PRIN19	PRIN18	PRIN17	PRIN16	PRIN15	PRIN14	PRIN13	PRIN12
0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
133	133	133	133	133	133	133	133	133	133	133	133	133

PRIN11	PRIN10	PRIN30	PRIN29	PRIN28	PRIN27	PRIN47
0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
133	133	133	133	133	133	133

PRIN5

BE	CO	TL	AS	CD	CR	CHLORD_T	CHLORD_A	CHLORD_G	G_BHC	DIELDRIN	PCB1254	CU
0.76322	0.73806	0.54644	0.48514	0.45190	0.27637	-0.26767	-0.26013	-0.25676	-0.23468	-0.23035	0.16248	0.15823
0.0001	0.0001	0.0001	0.0001	0.0001	0.0013	0.0018	0.0025	0.0029	0.0065	0.0076	0.0617	0.0689
133	133	133	133	133	133	133	133	133	133	133	133	133

TPHTHAL	DDE	BA	ALDRIN	OIL_GREA	PHENANTH	ANTHRAC	PHENOL	FLUORANT	ENDRIN_K	ACENAPH	ENDRIN_A	PB
-0.12792	0.11667	0.10969	0.09017	-0.07672	-0.07460	-0.07382	-0.06543	-0.06243	-0.05824	-0.05531	0.05199	-0.04958
0.1423	0.1811	0.2088	0.3020	0.3801	0.3934	0.3984	0.4543	0.4753	0.5055	0.5272	0.5523	0.5709
133	133	133	133	133	133	133	133	133	133	133	133	133

BAP	NI	BAA	FLUORENE	SE	NAPHTHAL	DINOCTPH	PYRENE	V	B_BHC	CHRYSENE	TPCB	DDD
-0.04666	0.04177	-0.04002	-0.03551	-0.03336	-0.03331	-0.03011	-0.02888	0.02679	0.02638	-0.02621	0.02399	0.02096
0.5938	0.6331	0.6474	0.6849	0.7031	0.7035	0.7308	0.7414	0.7595	0.7631	0.7646	0.7840	0.8108
133	133	133	133	133	133	133	133	133	133	133	133	133

TPHDIES	LOMWPAH	DDT	HG	TDDT	ZN	WO	TPAH	PRIN46	PRIN41	PRIN45	PRIN44	PRIN43
-0.01958	-0.01950	0.01557	0.01005	-0.00858	0.00831	-0.00349	-0.00097	0.00000	0.00000	0.00000	0.00000	0.00000
0.8230	0.8237	0.8588	0.9086	0.9220	0.9244	0.9682	0.9911	1.0000	1.0000	1.0000	1.0000	1.0000
133	133	133	133	133	133	133	133	133	133	133	133	133

Correlation Analysis

Pearson Correlation Coefficients / Prob > |R| under Ho: Rho=0 / Number of Observations

PRIN5

PRIN42	PRIN36	PRIN35	PRIN34	PRIN33	PRIN32	PRIN31	PRIN40	PRIN39	PRIN38	PRIN37	PRIN26	PRIN25
0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
133	133	133	133	133	133	133	133	133	133	133	133	133

PRIN24	PRIN23	PRIN22	PRIN21	PRIN20	PRIN19	PRIN18	PRIN17	PRIN16	PRIN15	PRIN14	PRIN13	PRIN12
0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
133	133	133	133	133	133	133	133	133	133	133	133	133

PRIN11	PRIN10	PRIN30	PRIN29	PRIN28	PRIN27	PRIN47
0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
133	133	133	133	133	133	133

PRIN6

SE	FLUORANT	PYRENE	PHENOL	DDE	BA	PCB1254	CR	CHRYSENE	NAPHTHAL	ALDRIN	TDDT	B_BHC
0.66824	-0.38555	0.37161	-0.36720	-0.33732	0.33434	-0.27020	-0.24730	0.24721	-0.24067	0.23511	-0.22788	0.21482
0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0017	0.0041	0.0041	0.0053	0.0064	0.0083	0.0130
133	133	133	133	133	133	133	133	133	133	133	133	133

CD	DINOCTPH	ENDRIN_K	AS	ACENAPH	PB	TPCB	TPHTHAL	PHENANTH	BE	V	NI	HG
-0.20935	0.20303	-0.19192	0.18701	0.17226	0.16431	-0.15968	0.14984	0.13051	0.13033	-0.12411	0.12267	-0.12036
0.0156	0.0191	0.0269	0.0311	0.0474	0.0588	0.0664	0.0852	0.1343	0.1348	0.1547	0.1595	0.1676
133	133	133	133	133	133	133	133	133	133	133	133	133

LOMWPAH	DIELDRIN	DDT	TPAH	G_BHC	OIL_GREA	TL	WO	CHLORD_T	ZN	CHLORD_A	CHLORD_G	TPHDIES
-0.10665	-0.10500	-0.10225	-0.09668	0.07712	0.06505	0.06361	0.06166	0.05684	-0.05484	0.05471	0.05313	-0.04820
0.2218	0.2290	0.2415	0.2683	0.3776	0.4569	0.4670	0.4808	0.5158	0.5307	0.5317	0.5436	0.5817
133	133	133	133	133	133	133	133	133	133	133	133	133

ENDRIN_A	FLUORENE	CO	ANTHRAC	CU	BAA	DDD	BAP	PRIN46	PRIN41	PRIN45	PRIN44	PRIN43
0.04729	0.03838	0.03743	0.01629	-0.01269	0.01002	0.00969	0.00588	0.00000	0.00000	0.00000	0.00000	0.00000
0.5888	0.6610	0.6689	0.8523	0.8847	0.9089	0.9119	0.9464	1.0000	1.0000	1.0000	1.0000	1.0000
133	133	133	133	133	133	133	133	133	133	133	133	133

PRIN42	PRIN36	PRIN35	PRIN34	PRIN33	PRIN32	PRIN31	PRIN40	PRIN39	PRIN38	PRIN37	PRIN26	PRIN25
0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
133	133	133	133	133	133	133	133	133	133	133	133	133

Correlation Analysis

Pearson Correlation Coefficients / Prob > |R| under Ho: Rho=0 / Number of Observations

PRIN6

PRIN24	PRIN23	PRIN22	PRIN21	PRIN20	PRIN19	PRIN18	PRIN17	PRIN16	PRIN15	PRIN14	PRIN13	PRIN12
0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
133	133	133	133	133	133	133	133	133	133	133	133	133

PRIN11	PRIN10	PRIN30	PRIN29	PRIN28	PRIN27	PRIN47
0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
133	133	133	133	133	133	133

PRIN7

PCB1254	CD	ENDRIN_A	AS	DIELDRIN	SE	CR	BA	PHENANTH	PYRENE	BE	PHENOL	DDD
-0.70393	-0.64022	0.31005	0.29923	-0.29093	-0.25747	0.25428	0.24075	0.20163	-0.17402	0.16405	0.15326	0.12372
0.0001	0.0001	0.0003	0.0005	0.0007	0.0028	0.0031	0.0052	0.0199	0.0451	0.0592	0.0782	0.1560
133	133	133	133	133	133	133	133	133	133	133	133	133

NAPHTHAL	FLUORANT	ZN	V	CHRYSENE	CO	HG	LOMWPAH	B_BHC	TL	CU	BAP	BAA
0.11543	0.11416	0.10809	0.09437	-0.09005	-0.08814	0.07096	0.06844	-0.06378	0.06000	0.05466	-0.05299	-0.05038
0.1858	0.1907	0.2155	0.2799	0.3026	0.3130	0.4170	0.4338	0.4658	0.4927	0.5320	0.5447	0.5647
133	133	133	133	133	133	133	133	133	133	133	133	133

NI	ALDRIN	TPHDIES	ENDRIN_K	ACENAPH	TPAH	DDE	DDT	TPCB	G_BHC	TDDT	PB	DINOCTPH
-0.04653	-0.04446	0.04300	0.03918	-0.03840	0.03826	0.03783	0.03509	0.03318	0.02500	-0.02486	-0.02262	-0.02018
0.5948	0.6113	0.6231	0.6543	0.6608	0.6619	0.6655	0.6884	0.7046	0.7751	0.7764	0.7960	0.8176
133	133	133	133	133	133	133	133	133	133	133	133	133

WO	ANTHRAC	OIL_GREA	FLUORENE	CHLORD_A	CHLORD_T	CHLORD_G	TPHTHAL	PRIN47	PRIN46	PRIN42	PRIN45	PRIN43
0.01589	-0.01526	-0.01448	0.01333	0.01215	0.01137	0.00789	-0.00518	0.00000	-0.00000	0.00000	0.00000	0.00000
0.8559	0.8616	0.8686	0.8790	0.8896	0.8966	0.9282	0.9528	1.0000	1.0000	1.0000	1.0000	1.0000
133	133	133	133	133	133	133	133	133	133	133	133	133

PRIN44	PRIN41	PRIN35	PRIN34	PRIN33	PRIN32	PRIN31	PRIN40	PRIN39	PRIN38	PRIN37	PRIN36	PRIN25
0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
133	133	133	133	133	133	133	133	133	133	133	133	133

PRIN24	PRIN23	PRIN22	PRIN21	PRIN20	PRIN19	PRIN18	PRIN17	PRIN16	PRIN15	PRIN14	PRIN13	PRIN12
0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
133	133	133	133	133	133	133	133	133	133	133	133	133

Correlation Analysis

Pearson Correlation Coefficients / Prob > |R| under Ho: Rho=0 / Number of Observations

PRIN7

PRIN11	PRIN10	PRIN30	PRIN29	PRIN28	PRIN27	PRIN26
0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
133	133	133	133	133	133	133

PRIN8

ENDRIN_A	PHENANTH	TL	PCB1254	BA	ENDRIN_K	CD	DIELDRIN	DDT	TPHTHAL	AS	HG	SE
0.68317	0.65029	-0.34563	0.30733	0.26098	0.23157	0.20951	0.18769	0.12335	-0.11799	0.09582	-0.08878	0.07380
0.0001	0.0001	0.0001	0.0003	0.0024	0.0073	0.0155	0.0305	0.1572	0.1762	0.2726	0.3096	0.3986
133	133	133	133	133	133	133	133	133	133	133	133	133

NI	G_BHC	ALDRIN	DINOCTPH	CHLORD_T	CHRYSENE	CHLORD_A	PHENOL	V	CHLORD_G	B_BHC	FLUORENE	DDE
-0.07330	-0.06687	-0.04276	-0.04074	-0.04051	0.03623	-0.03493	-0.03438	-0.03219	-0.02929	-0.02744	0.02726	-0.02713
0.4017	0.4444	0.6250	0.6415	0.6434	0.6789	0.6898	0.6945	0.7130	0.7379	0.7539	0.7555	0.7566
133	133	133	133	133	133	133	133	133	133	133	133	133

DDD	NAPHTHAL	BAP	LOMWPAH	TPAH	ZN	BE	PB	TPHDIES	FLUORANT	BAA	ANTHRAC	CO
0.02543	0.02523	0.02376	0.02227	0.02080	0.01980	-0.01941	-0.01919	0.01859	0.01676	0.01559	0.01431	0.01217
0.7714	0.7731	0.7861	0.7991	0.8122	0.8211	0.8245	0.8264	0.8318	0.8482	0.8586	0.8702	0.8894
133	133	133	133	133	133	133	133	133	133	133	133	133

CR	CU	TDDT	TPCB	OIL_GREA	WO	PYRENE	ACENAPH	PRIN46	PRIN41	PRIN45	PRIN44	PRIN43
0.01175	-0.01169	0.00956	0.00893	-0.00272	-0.00272	-0.00123	-0.00084	0.00000	0.00000	0.00000	0.00000	0.00000
0.8932	0.8937	0.9131	0.9187	0.9752	0.9752	0.9888	0.9924	1.0000	1.0000	1.0000	1.0000	1.0000
133	133	133	133	133	133	133	133	133	133	133	133	133

PRIN42	PRIN36	PRIN35	PRIN34	PRIN33	PRIN32	PRIN31	PRIN40	PRIN39	PRIN38	PRIN37	PRIN26	PRIN25
0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
133	133	133	133	133	133	133	133	133	133	133	133	133

PRIN24	PRIN23	PRIN22	PRIN21	PRIN20	PRIN19	PRIN18	PRIN17	PRIN16	PRIN15	PRIN14	PRIN13	PRIN12
0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
133	133	133	133	133	133	133	133	133	133	133	133	133

PRIN11	PRIN10	PRIN30	PRIN29	PRIN28	PRIN27	PRIN47
0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
133	133	133	133	133	133	133

Correlation Analysis

Pearson Correlation Coefficients / Prob > |R| under Ho: Rho=0 / Number of Observations

PRIN9

DDT	DDE	TDOT	PB	ENDRIN_K	FLUORANT	PYRENE	DDD	PHENOL	CO	CD	TL	HG
0.72125	0.34434	0.34393	-0.32525	0.26925	-0.24771	0.22272	0.19982	-0.16789	-0.15703	-0.14698	0.13744	-0.12827
0.0001	0.0001	0.0001	0.0001	0.0017	0.0040	0.0100	0.0211	0.0534	0.0711	0.0914	0.1147	0.1412
133	133	133	133	133	133	133	133	133	133	133	133	133

AS	SE	BA	NI	ZN	PHENANTH	V	DIELDRIN	ALDRIN	OIL_GREA	CHLORD_T	B_BHC	CHLORD_A
-0.12322	0.11646	0.10678	0.10620	-0.10276	-0.10269	0.08755	-0.08418	0.08382	-0.07712	-0.07434	0.06786	-0.06550
0.1576	0.1819	0.2212	0.2237	0.2392	0.2395	0.3163	0.3354	0.3374	0.3776	0.3951	0.4377	0.4538
133	133	133	133	133	133	133	133	133	133	133	133	133

CHLORD_G	ACENAPH	TPCB	ENDRIN_A	G_BHC	CU	DINOCTPH	LOMWPAH	TPAH	CR	CHRYSENE	TPHTHAL	BE
-0.06280	-0.06043	-0.05586	-0.04993	-0.04676	-0.04389	-0.03506	0.03457	0.03438	-0.03254	-0.03182	-0.03147	-0.01942
0.4727	0.4896	0.5231	0.5681	0.5930	0.6159	0.6887	0.6928	0.6945	0.7100	0.7161	0.7192	0.8244
133	133	133	133	133	133	133	133	133	133	133	133	133

TPHDIES	WO	PCB1254	FLUORENE	NAPHTHAL	BAP	ANTHRAC	BAA	PRIN45	PRIN41	PRIN46	PRIN44	PRIN43
0.01920	0.01686	0.01419	0.01403	-0.00759	0.00281	0.00254	0.00208	0.00000	0.00000	0.00000	0.00000	0.00000
0.8263	0.8473	0.8712	0.8727	0.9309	0.9744	0.9769	0.9810	1.0000	1.0000	1.0000	1.0000	1.0000
133	133	133	133	133	133	133	133	133	133	133	133	133

PRIN42	PRIN36	PRIN35	PRIN34	PRIN33	PRIN32	PRIN31	PRIN40	PRIN39	PRIN38	PRIN37	PRIN26	PRIN25
0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
133	133	133	133	133	133	133	133	133	133	133	133	133

PRIN24	PRIN23	PRIN22	PRIN21	PRIN20	PRIN19	PRIN18	PRIN17	PRIN16	PRIN15	PRIN14	PRIN13	PRIN12
0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
133	133	133	133	133	133	133	133	133	133	133	133	133

PRIN11	PRIN10	PRIN30	PRIN29	PRIN28	PRIN27	PRIN47
0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
133	133	133	133	133	133	133