APPENDIX A

EXAMPLE STATISTICAL TABLES AND LOGNORMAL PLOTS

SIMILAR EXPOSURE GROUPS					
SET DESCRIPTION		SET01	SET02	SET03	SET04
APPARATUS		SEP FUNNEL	SEP FUNNEL	STEAM BATH	STEAM BATH
PROCEDURE		EXTRACTION	EXTRACTION	EXTRACTION	EXTRACTION
TASK		SHAKE	SHAKE	CONCENTRATE	CONCENTRATE
CHEMICAL		DCM	DCM	DCM	DCM
OEL TYPE		%AL	%STEL	%AL	%AL
SAMPLE TYPE		PERSONAL	PERSONAL	PERSONAL	PERSONAL
UNITS		%	%	%	%
NUMBER OF DATA	N	20	20	9	9
MINIMUM	MIN	0.50	0.60	0.69	0.51
MAXIMUM	MAX	23.04	6.80	14.69	5.88
GEOMETRIC MEAN	GM	4.304	2.064	5.688	2.224
GEO. STD. DEV.	GSD	2.669	1.857	2.850	2.608
EXCEEDANCE FRACTION	F%	0.068	0.000	0.310	0.004
95% CONCENTRATION	C95	21.64	5.71	31.86	10.76
95 % UCL @ C95	UCL95	32.53	7.39	63.66	20.29
95% UTL @ C95	UTL95	45.25	9.09	136.03	40.65
MIN VAR UNBIAS MEAN	MVUM	6.735	2.472	9.061	3.294
95% UCL @ MVUM	UCLMV	10.587	3.288	20.267	6.883
95% LCL @ MVUM	LCLMV	4.28	1.86	4.05	1.58
ARITHMETIC MEAN	AM	6.46	2.46	8.08	3.09
ARITH STD DEV	ASD	6.19	1.54	9.53	2.12
95% UCL OF AM	UCLAM	10.96	3.32	22.02	7.36
95% LCL OF AM	LCLAM	2.57	1.31	2.05	1.72
95% UCL @ GM	UCLGM	6.77	2.75	12.72	4.65
95% LCL @ GM	LCLGM	2.74	1.55	2.54	1.06
CORR. COEFF (LN)	Rln	0.962	0.976	0.927	0.951
MODE	Mo	1.64	1.41	1.90	0.89
MEDIAN	Md	4.30	2.06	5.69	2.22
MEAN	Me	6.97	2.50	9.84	3.52

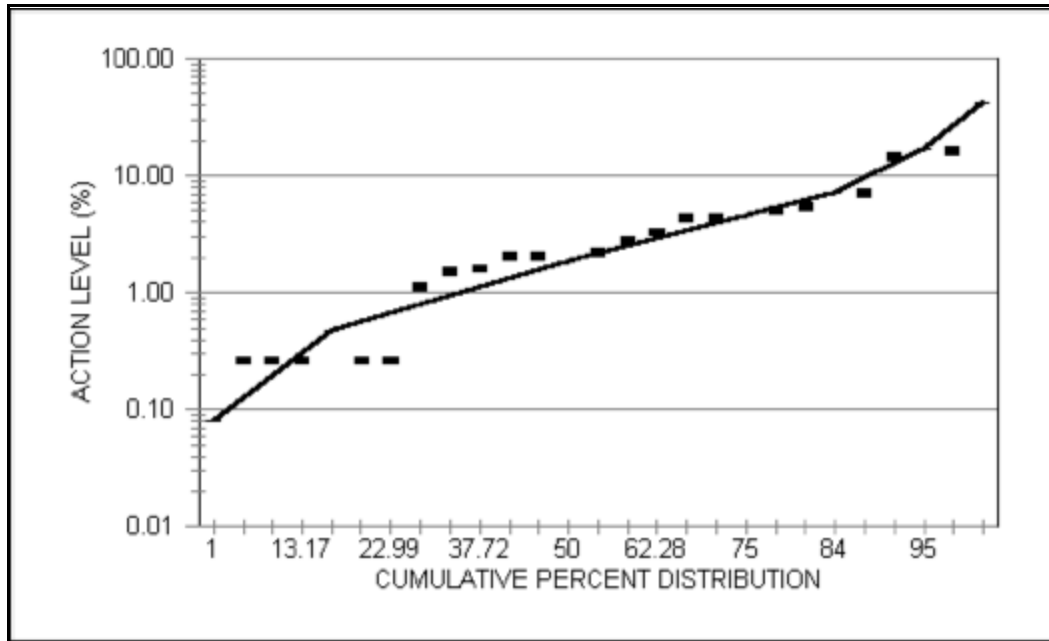**Figure A-1. Example Table of Statistical Parameters for SET.**

Figure A-2. Methylene Chloride Extractions using Separatory Funnels in a Fume Hood. Example Plot for the Cumulative Percent Distribution.
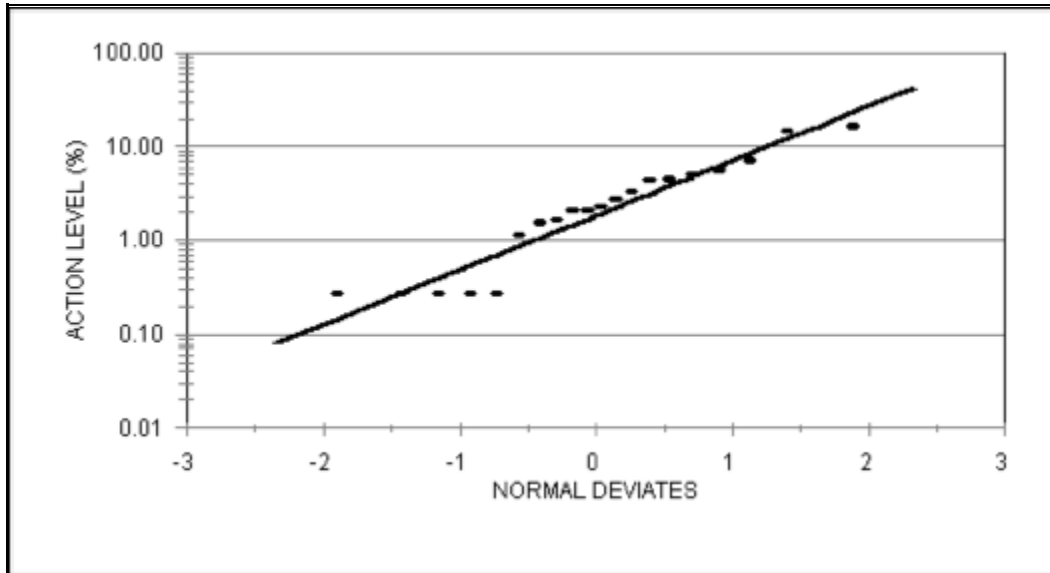
Figure A-3. Methylene Chloride Extractions using Separatory Funnels in a Fume Hood. Example Plot for Normal Deviates.

SIMILAR EXPOSURE GROUPS				
SET DESCRIPTION		SET01	SET02	SET03
LOCATION		HALLWAY	OUTSIDE	LABORATORY
PROCEDURE		NA	NA	FISH TANKS
TASK		NA	NA	AERATION
HAZARD		FUNGI	FUNGI	FUNGI
SAMPLE TYPE		ENVIRONMENTAL	REFERENCE	WORKING
UNITS		CFU/M3	CFU/M3	CFU/M3
NUMBER OF DATA	N	4	4	4
GEOMETRIC MEAN	GM	24.0	37.36	1582.42
GEO. STD. DEV.	GSD	1.0	2.42	2.38
CORREL. COEFF	r	NA	0.78	0.88
ARITH. AVG.	AM	24.0	53.25	2205.75
EST. ARITH. MEAN	EAM	24.0	37.36	1582.42
95 % VALUE	C95	24.0	106.48	5050.60
99 % VALUE	C99	24.0	116.89	5600.33
95 % UCL @ V95	U95	24.0	110.64	5054.61
UCL OF GM (95%)	UCLM	24.0	251.03	10260.64
LCL OF GM (95%)	LCLM	24.0	5.56	244.05
MODE	Mo	24.00	17.06	743.81
MEDIAN	Md	24.00	37.36	1582.42
MEAN	Me	24.00	55.29	2308.09

COMMENTS

SET01	ALL 4 SAMPLES BELOW THE LOD
SET02	THREE OF THE 4 SAMPLES BELOW THE LOD
SET03	ALL 4 SAMPLES ABOVE THE LOD

Figure A-4. Statistical Table for Airborne Fungi in a Laboratory Containing Aerated Floor-mounted Water Tanks.
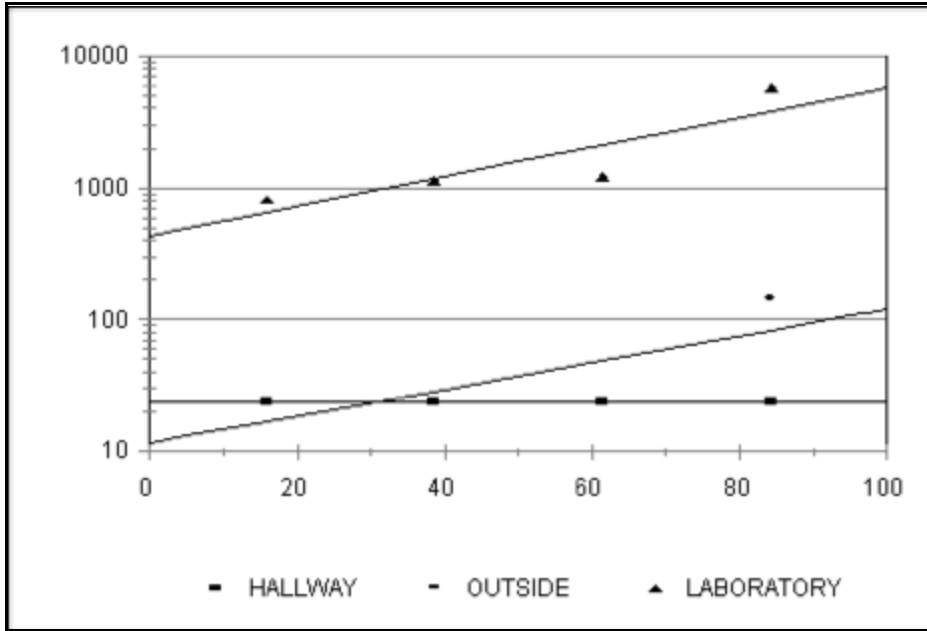
Figure A-5. Lognormal Plot for Airborne Fungi in a Laboratory Containing Aerated Floor-mounted Water Tanks.