

TDMS No. 97008-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: RATS/F 344

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS
PROPARGYL ALCOHOL
CAS Number: 107-19-7
Pathologist: HARBO, S. - LIEUALLEN, W.
F1_R2

Date Report Requested: 08/09/2006
Time Report Requested: 14:05:13
First Dose M/F: 10/01/01 / 10/01/01
Lab: BNW

C Number:	C97008		
Lock Date:	08/16/2004		
Cage Range:	1 - 9999		
Date Range:	1-JAN-1940 to 17-SEP-2040		
Reasons For Removal:	25021 Terminal Sacrifice	25020 Natural Death	25019 Moribund Sacrifice
Removal Date Range:	JAN /1 /1940 - SEP /17 /2040		
Treatment Groups:	Include 1 CONTROL	Include 2 CONTROL	Include 3 16 PPM
	Include 4 16 PPM	Include 5 32 PPM	Include 6 32 PPM
	Include 7 64 PPM	Include 8 64 PPM	

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**FOR ALL DOSES THE TUMOR RATES IN THE FOLLOWING TISSUES/ORGANS ARE BASED ON NUMBER OF TISSUES EXAMINED.
IN OTHER TISSUES/ORGANS RATES ARE BASED ON THE NUMBER OF ANIMALS NECROPSIED.**

Adrenal Cortex
Adrenal Medulla
Brain
Clitoral/Preputial Gland
Heart
Islets, Pancreatic
Kidney
Liver
Lung
Nose
Pancreas
Parathyroid Gland
Pituitary Gland
Spleen
Testes
Thymus
Thyroid Gland

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SUMMARY OF STATISTICALLY SIGNIFICANT ($P \leq .05$) RESULTS IN THE ANALYSIS OF PROPARGYL ALCOHOL

MALE RATS

Organ

Adrenal Cortex
Clitoral/Preputial Gland

Nose
Skin
Testes
Thyroid Gland: Follicular Cell
All Organs

Morphology

Adenoma
Adenoma
Carcinoma or Adenoma
Adenoma
Lipoma
Adenoma
Carcinoma
Leukemia: Lymphocytic, Monocytic, Mononuclear, or Undifferentiated
Benign Tumors
Malignant Tumors
Malignant and Benign Tumors

FEMALE RATS

Organ

Clitoral/Preputial Gland
Mammary Gland
Uterus
All Organs

Morphology

Papilloma
Carcinoma or Adenoma
Carcinoma
Leukemia: Lymphocytic, Monocytic, Mononuclear, or Undifferentiated
Malignant Tumors

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**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	CONTROL	16 PPM	32 PPM	64 PPM
Adrenal Cortex Adenoma				
TUMOR RATES				
OVERALL (a)	0/49 (0%)	0/50 (0%)	0/50 (0%)	2/50 (4%)
POLY-3 RATE (b)	0/41.74	0/40.77	0/38.95	2/38.19
POLY-3 PERCENT (g)	0%	0%	0%	5.2%
TERMINAL (d)	0/27 (0%)	0/23 (0%)	0/15 (0%)	1/16 (6%)
FIRST INCIDENCE	---	---	---	681
STATISTICAL TESTS				
LIFE TABLE	P=0.026*	(e)	(e)	P=0.154
POLY 3	P=0.042*	(e)	(e)	P=0.217
POLY 1.5	P=0.044*	(e)	(e)	P=0.228
POLY 6	P=0.039*	(e)	(e)	P=0.201
LOGISTIC REGRESSION	P=0.034*	(e)	(e)	P=0.194
COCH-ARM / FISHERS	P=0.047*	(e)	(e)	P=0.253
ORDER RESTRICTED	P=0.023*	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.033*	(e)	(e)	(e)

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 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	CONTROL	16 PPM	32 PPM	64 PPM

**Adrenal Medulla
 Pheochromocytoma Benign**

TUMOR RATES

OVERALL (a)	8/49 (16%)	12/50 (24%)	5/50 (10%)	9/50 (18%)
POLY-3 RATE (b)	8/42.46	12/42.7	5/39.35	9/40.45
POLY-3 PERCENT (g)	18.8%	28.1%	12.7%	22.3%
TERMINAL (d)	4/27 (15%)	6/23 (26%)	2/15 (13%)	2/16 (13%)
FIRST INCIDENCE	589	485	680	544

STATISTICAL TESTS

LIFE TABLE	P=0.286	P=0.166	P=0.586N	P=0.234
POLY 3	P=0.532N	P=0.224	P=0.324N	P=0.455
POLY 1.5	P=0.499N	P=0.233	P=0.296N	P=0.483
POLY 6	P=0.514	P=0.211	P=0.374N	P=0.409
LOGISTIC REGRESSION	P=0.512N	P=0.225	P=0.369N	P=0.497
COCH-ARM / FISHERS	P=0.459N	P=0.242	P=0.264N	P=0.518
ORDER RESTRICTED	P=0.395N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.408N	(e)	(e)	(e)

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**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	CONTROL	16 PPM	32 PPM	64 PPM

**Adrenal Medulla
 Pheochromocytoma Malignant**

TUMOR RATES

OVERALL (a)	3/49 (6%)	2/50 (4%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	3/41.78	2/40.77	0/38.95	1/38.21
POLY-3 PERCENT (g)	7.2%	4.9%	0%	2.6%
TERMINAL (d)	2/27 (7%)	2/23 (9%)	0/15 (0%)	0/16 (0%)
FIRST INCIDENCE	720	729 (T)	---	676

STATISTICAL TESTS

LIFE TABLE	P=0.301N	P=0.568N	P=0.235N	P=0.481N
POLY 3	P=0.172N	P=0.511N	P=0.131N	P=0.337N
POLY 1.5	P=0.166N	P=0.502N	P=0.124N	P=0.320N
POLY 6	P=0.183N	P=0.524N	P=0.145N	P=0.367N
LOGISTIC REGRESSION	P=0.242N	P=0.552N	P=0.190N	P=0.399N
COCH-ARM / FISHERS	P=0.159N	P=0.490N	P=0.117N	P=0.301N
ORDER RESTRICTED	P=0.129N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.149N	(e)	(e)	(e)

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 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	CONTROL	16 PPM	32 PPM	64 PPM

Adrenal Medulla
Pheochromocytoma: Benign, Complex, Malignant, NOS

TUMOR RATES

OVERALL (a)	10/49 (20%)	13/50 (26%)	5/50 (10%)	9/50 (18%)
POLY-3 RATE (b)	10/42.46	13/42.7	5/39.35	9/40.45
POLY-3 PERCENT (g)	23.6%	30.4%	12.7%	22.3%
TERMINAL (d)	6/27 (22%)	7/23 (30%)	2/15 (13%)	2/16 (13%)
FIRST INCIDENCE	589	485	680	544

STATISTICAL TESTS

LIFE TABLE	P=0.439	P=0.224	P=0.424N	P=0.369
POLY 3	P=0.324N	P=0.317	P=0.161N	P=0.548N
POLY 1.5	P=0.296N	P=0.327	P=0.142N	P=0.518N
POLY 6	P=0.374N	P=0.302	P=0.198N	P=0.597N
LOGISTIC REGRESSION	P=0.328N	P=0.305	P=0.208N	P=0.528N
COCH-ARM / FISHERS	P=0.266N	P=0.337	P=0.122N	P=0.480N
ORDER RESTRICTED	P=0.233N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.247N	(e)	(e)	(e)

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 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	CONTROL	16 PPM	32 PPM	64 PPM

**Clitoral/Preputial Gland
 Adenoma**

TUMOR RATES

OVERALL (a)	3/49 (6%)	0/49 (0%)	1/50 (2%)	6/49 (12%)
POLY-3 RATE (b)	3/42.29	0/40.03	1/38.95	6/39.03
POLY-3 PERCENT (g)	7.1%	0%	2.6%	15.4%
TERMINAL (d)	2/27 (7%)	0/23 (0%)	1/15 (7%)	3/16 (19%)
FIRST INCIDENCE	561	---	729 (T)	486

STATISTICAL TESTS

LIFE TABLE	P=0.019*	P=0.145N	P=0.472N	P=0.123
POLY 3	P=0.042*	P=0.128N	P=0.335N	P=0.201
POLY 1.5	P=0.045*	P=0.124N	P=0.318N	P=0.220
POLY 6	P=0.037*	P=0.134N	P=0.363N	P=0.173
LOGISTIC REGRESSION	P=0.056	P=0.118N	P=0.316N	P=0.286
COCH-ARM / FISHERS	P=0.050*	P=0.121N	P=0.301N	P=0.243
ORDER RESTRICTED	P=0.014*	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.019*	(e)	(e)	(e)

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 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	CONTROL	16 PPM	32 PPM	64 PPM

**Clitoral/Preputial Gland
 Carcinoma or Adenoma**

TUMOR RATES

OVERALL (a)	3/49 (6%)	0/49 (0%)	1/50 (2%)	7/49 (14%)
POLY-3 RATE (b)	3/42.29	0/40.03	1/38.95	7/39.12
POLY-3 PERCENT (g)	7.1%	0%	2.6%	17.9%
TERMINAL (d)	2/27 (7%)	0/23 (0%)	1/15 (7%)	3/16 (19%)
FIRST INCIDENCE	561	---	729 (T)	486

STATISTICAL TESTS

LIFE TABLE	P=0.007**	P=0.145N	P=0.472N	P=0.069
POLY 3	P=0.016*	P=0.128N	P=0.335N	P=0.124
POLY 1.5	P=0.017*	P=0.124N	P=0.318N	P=0.139
POLY 6	P=0.013*	P=0.134N	P=0.363N	P=0.103
LOGISTIC REGRESSION	P=0.022*	P=0.118N	P=0.316N	P=0.184
COCH-ARM / FISHERS	P=0.020*	P=0.121N	P=0.301N	P=0.159
ORDER RESTRICTED	P=0.004**	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.007**	(e)	(e)	(e)

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 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	CONTROL	16 PPM	32 PPM	64 PPM

**Clitoral/Preputial Gland
 Papilloma**

TUMOR RATES

OVERALL (a)	0/49 (0%)	0/49 (0%)	0/50 (0%)	0/49 (0%)
POLY-3 RATE (b)	0/41.74	0/40.03	0/38.95	0/37.19
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/27 (0%)	0/23 (0%)	0/15 (0%)	0/16 (0%)
FIRST INCIDENCE	---	---	---	---

STATISTICAL TESTS

LIFE TABLE	(e)	(e)	(e)	(e)
POLY 3	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)
LOGISTIC REGRESSION	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)
ORDER RESTRICTED	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)

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**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	CONTROL	16 PPM	32 PPM	64 PPM

**Islets, Pancreatic
 Adenoma**

TUMOR RATES

OVERALL (a)	4/49 (8%)	3/50 (6%)	6/50 (12%)	4/50 (8%)
POLY-3 RATE (b)	4/41.74	3/42.1	6/39.37	4/38.22
POLY-3 PERCENT (g)	9.6%	7.1%	15.2%	10.5%
TERMINAL (d)	4/27 (15%)	1/23 (4%)	2/15 (13%)	3/16 (19%)
FIRST INCIDENCE	729 (T)	418	654	673

STATISTICAL TESTS

LIFE TABLE	P=0.228	P=0.559N	P=0.132	P=0.363
POLY 3	P=0.410	P=0.495N	P=0.331	P=0.595
POLY 1.5	P=0.447	P=0.492N	P=0.354	P=0.622
POLY 6	P=0.354	P=0.502N	P=0.295	P=0.551
LOGISTIC REGRESSION	P=0.419	P=0.475N	P=0.220	P=0.435
COCH-ARM / FISHERS	P=0.493	P=0.489N	P=0.383	P=0.631N
ORDER RESTRICTED	P=0.405	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.424	(e)	(e)	(e)

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 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	CONTROL	16 PPM	32 PPM	64 PPM

**Islets, Pancreatic
 Carcinoma**

TUMOR RATES

OVERALL (a)	5/49 (10%)	4/50 (8%)	3/50 (6%)	4/50 (8%)
POLY-3 RATE (b)	5/43.05	4/41.03	3/39.05	4/38.79
POLY-3 PERCENT (g)	11.6%	9.8%	7.7%	10.3%
TERMINAL (d)	1/27 (4%)	3/23 (13%)	2/15 (13%)	2/16 (13%)
FIRST INCIDENCE	481	659	703	591

STATISTICAL TESTS

LIFE TABLE	P=0.472	P=0.567N	P=0.558N	P=0.590
POLY 3	P=0.482N	P=0.530N	P=0.411N	P=0.565N
POLY 1.5	P=0.454N	P=0.512N	P=0.381N	P=0.531N
POLY 6	P=0.530N	P=0.556N	P=0.460N	P=0.618N
LOGISTIC REGRESSION	P=0.462N	P=0.485N	P=0.349N	P=0.462N
COCH-ARM / FISHERS	P=0.420N	P=0.487N	P=0.346N	P=0.487N
ORDER RESTRICTED	P=0.542N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.558N	(e)	(e)	(e)

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 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	CONTROL	16 PPM	32 PPM	64 PPM
Islets, Pancreatic Carcinoma or Adenoma				
TUMOR RATES				
OVERALL (a)	9/49 (18%)	7/50 (14%)	9/50 (18%)	8/50 (16%)
POLY-3 RATE (b)	9/43.05	7/42.36	9/39.48	8/39.01
POLY-3 PERCENT (g)	20.9%	16.5%	22.8%	20.5%
TERMINAL (d)	5/27 (19%)	4/23 (17%)	4/15 (27%)	5/16 (31%)
FIRST INCIDENCE	481	418	654	591
STATISTICAL TESTS				
LIFE TABLE	P=0.233	P=0.488N	P=0.247	P=0.371
POLY 3	P=0.491	P=0.405N	P=0.523	P=0.591N
POLY 1.5	P=0.541	P=0.391N	P=0.567	P=0.543N
POLY 6	P=0.412	P=0.426N	P=0.453	P=0.555
LOGISTIC REGRESSION	P=0.521	P=0.364N	P=0.517	P=0.565N
COCH-ARM / FISHERS	P=0.498N	P=0.376N	P=0.584N	P=0.482N
ORDER RESTRICTED	P=0.579	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.590	(e)	(e)	(e)

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 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	CONTROL	16 PPM	32 PPM	64 PPM

Lung
 Alveolar/Bronchiolar Adenoma

TUMOR RATES

OVERALL (a)	1/49 (2%)	1/50 (2%)	0/50 (0%)	2/50 (4%)
POLY-3 RATE (b)	1/41.74	1/41.24	0/38.95	2/38.07
POLY-3 PERCENT (g)	2.4%	2.4%	0%	5.3%
TERMINAL (d)	1/27 (4%)	0/23 (0%)	0/15 (0%)	1/16 (6%)
FIRST INCIDENCE	729 (T)	589	---	712

STATISTICAL TESTS

LIFE TABLE	P=0.254	P=0.737	P=0.617N	P=0.327
POLY 3	P=0.345	P=0.758	P=0.514N	P=0.468
POLY 1.5	P=0.357	P=0.760N	P=0.506N	P=0.486
POLY 6	P=0.325	P=0.754	P=0.527N	P=0.440
LOGISTIC REGRESSION	P=0.339	P=0.752N	(e)	P=0.366
COCH-ARM / FISHERS	P=0.371	P=0.747N	P=0.495N	P=0.508
ORDER RESTRICTED	P=0.241	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.264	(e)	(e)	(e)

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P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006
 Time Report Requested: 14:05:13
 First Dose M/F: 10/01/01 / 10/01/01
 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	CONTROL	16 PPM	32 PPM	64 PPM

Lung
Alveolar/Bronchiolar Carcinoma or Alveolar/Bronchiolar Adenoma

TUMOR RATES

OVERALL (a)	1/49 (2%)	2/50 (4%)	0/50 (0%)	2/50 (4%)
POLY-3 RATE (b)	1/41.74	2/41.24	0/38.95	2/38.07
POLY-3 PERCENT (g)	2.4%	4.9%	0%	5.3%
TERMINAL (d)	1/27 (4%)	1/23 (4%)	0/15 (0%)	1/16 (6%)
FIRST INCIDENCE	729 (T)	589	---	712

STATISTICAL TESTS

LIFE TABLE	P=0.324	P=0.457	P=0.617N	P=0.327
POLY 3	P=0.438	P=0.496	P=0.514N	P=0.468
POLY 1.5	P=0.455	P=0.501	P=0.506N	P=0.486
POLY 6	P=0.410	P=0.489	P=0.527N	P=0.440
LOGISTIC REGRESSION	P=0.422	P=0.504	(e)	P=0.366
COCH-ARM / FISHERS	P=0.475	P=0.508	P=0.495N	P=0.508
ORDER RESTRICTED	P=0.370	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.391	(e)	(e)	(e)

TDMS No. 97008-05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
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**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	CONTROL	16 PPM	32 PPM	64 PPM

**Mammary Gland
 Adenoma**

TUMOR RATES

	#	#	#	#
OVERALL (a)	2/49 (4%)	0/50 (0%)	2/50 (4%)	0/50 (0%)
POLY-3 RATE (b)	2/41.74	0/40.77	2/38.95	0/38
POLY-3 PERCENT (g)	4.8%	0%	5.1%	0%
TERMINAL (d)	2/27 (7%)	0/23 (0%)	2/15 (13%)	0/16 (0%)
FIRST INCIDENCE	729 (T)	---	729 (T)	---

STATISTICAL TESTS

LIFE TABLE	P=0.392N	P=0.274N	P=0.469	P=0.359N
POLY 3	P=0.263N	P=0.242N	P=0.669	P=0.258N
POLY 1.5	P=0.254N	P=0.238N	P=0.684	P=0.247N
POLY 6	P=0.280N	P=0.248N	P=0.644	P=0.278N
LOGISTIC REGRESSION	P=0.392N	(e)	P=0.469	(e)
COCH-ARM / FISHERS	P=0.243N	P=0.242N	P=0.684N	P=0.242N
ORDER RESTRICTED	P=0.133N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.154N	(e)	(e)	(e)

TDMS No. 97008-05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

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 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	CONTROL	16 PPM	32 PPM	64 PPM
Mammary Gland Carcinoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/41.74	0/40.77	0/38.95	0/38
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/27 (0%)	0/23 (0%)	0/15 (0%)	0/16 (0%)
FIRST INCIDENCE	---	---	---	---
STATISTICAL TESTS				
LIFE TABLE	(e)	(e)	(e)	(e)
POLY 3	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)
LOGISTIC REGRESSION	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)
ORDER RESTRICTED	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)

TDMS No. 97008-05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
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**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	CONTROL	16 PPM	32 PPM	64 PPM

**Mammary Gland
 Carcinoma or Adenoma**

TUMOR RATES

	#	#	#	#
OVERALL (a)	2/49 (4%)	0/50 (0%)	2/50 (4%)	0/50 (0%)
POLY-3 RATE (b)	2/41.74	0/40.77	2/38.95	0/38
POLY-3 PERCENT (g)	4.8%	0%	5.1%	0%
TERMINAL (d)	2/27 (7%)	0/23 (0%)	2/15 (13%)	0/16 (0%)
FIRST INCIDENCE	729 (T)	---	729 (T)	---

STATISTICAL TESTS

LIFE TABLE	P=0.392N	P=0.274N	P=0.469	P=0.359N
POLY 3	P=0.263N	P=0.242N	P=0.669	P=0.258N
POLY 1.5	P=0.254N	P=0.238N	P=0.684	P=0.247N
POLY 6	P=0.280N	P=0.248N	P=0.644	P=0.278N
LOGISTIC REGRESSION	P=0.392N	(e)	P=0.469	(e)
COCH-ARM / FISHERS	P=0.243N	P=0.242N	P=0.684N	P=0.242N
ORDER RESTRICTED	P=0.133N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.154N	(e)	(e)	(e)

TDMS No. 97008-05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006
 Time Report Requested: 14:05:13
 First Dose M/F: 10/01/01 / 10/01/01
 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	CONTROL	16 PPM	32 PPM	64 PPM

**Mammary Gland
 Fibroadenoma**

TUMOR RATES	#	#	#	#
OVERALL (a)	1/49 (2%)	0/50 (0%)	3/50 (6%)	1/50 (2%)
POLY-3 RATE (b)	1/42.11	0/40.77	3/38.95	1/38
POLY-3 PERCENT (g)	2.4%	0%	7.7%	2.6%
TERMINAL (d)	0/27 (0%)	0/23 (0%)	3/15 (20%)	1/16 (6%)
FIRST INCIDENCE	628	---	729 (T)	729 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.313	P=0.510N	P=0.154	P=0.684
POLY 3	P=0.421	P=0.506N	P=0.277	P=0.738
POLY 1.5	P=0.445	P=0.502N	P=0.293	P=0.750
POLY 6	P=0.382	P=0.513N	P=0.251	P=0.716
LOGISTIC REGRESSION	P=0.393	P=0.483N	P=0.257	P=0.761
COCH-ARM / FISHERS	P=0.475	P=0.495N	P=0.316	P=0.747N
ORDER RESTRICTED	P=0.241	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.266	(e)	(e)	(e)

TDMS No. 97008-05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006
 Time Report Requested: 14:05:13
 First Dose M/F: 10/01/01 / 10/01/01
 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	CONTROL	16 PPM	32 PPM	64 PPM

**Mammary Gland
 Fibroma, Fibroadenoma or Adenoma**

TUMOR RATES	#	#	#	#
OVERALL (a)	3/49 (6%)	0/50 (0%)	5/50 (10%)	1/50 (2%)
POLY-3 RATE (b)	3/42.11	0/40.77	5/38.95	1/38
POLY-3 PERCENT (g)	7.1%	0%	12.8%	2.6%
TERMINAL (d)	2/27 (7%)	0/23 (0%)	5/15 (33%)	1/16 (6%)
FIRST INCIDENCE	628	---	729 (T)	729 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.521	P=0.145N	P=0.113	P=0.468N
POLY 3	P=0.478N	P=0.124N	P=0.313	P=0.342N
POLY 1.5	P=0.453N	P=0.120N	P=0.338	P=0.322N
POLY 6	P=0.520N	P=0.130N	P=0.273	P=0.377N
LOGISTIC REGRESSION	P=0.577N	P=0.122N	P=0.232	P=0.366N
COCH-ARM / FISHERS	P=0.424N	P=0.117N	P=0.369	P=0.301N
ORDER RESTRICTED	P=0.299N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.325N	(e)	(e)	(e)

TDMS No. 97008-05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Reqsted: 08/09/2006
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 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	CONTROL	16 PPM	32 PPM	64 PPM

**Mammary Gland
 Fibroma, Fibroadenoma, Carcinoma, or Adenoma**

TUMOR RATES	#	#	#	#
OVERALL (a)	3/49 (6%)	0/50 (0%)	5/50 (10%)	1/50 (2%)
POLY-3 RATE (b)	3/42.11	0/40.77	5/38.95	1/38
POLY-3 PERCENT (g)	7.1%	0%	12.8%	2.6%
TERMINAL (d)	2/27 (7%)	0/23 (0%)	5/15 (33%)	1/16 (6%)
FIRST INCIDENCE	628	---	729 (T)	729 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.521	P=0.145N	P=0.113	P=0.468N
POLY 3	P=0.478N	P=0.124N	P=0.313	P=0.342N
POLY 1.5	P=0.453N	P=0.120N	P=0.338	P=0.322N
POLY 6	P=0.520N	P=0.130N	P=0.273	P=0.377N
LOGISTIC REGRESSION	P=0.577N	P=0.122N	P=0.232	P=0.366N
COCH-ARM / FISHERS	P=0.424N	P=0.117N	P=0.369	P=0.301N
ORDER RESTRICTED	P=0.299N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.325N	(e)	(e)	(e)

TDMS No. 97008-05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

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 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	CONTROL	16 PPM	32 PPM	64 PPM

**Nose
 Adenoma**

TUMOR RATES

OVERALL (a)	0/49 (0%)	0/49 (0%)	0/50 (0%)	3/49 (6%)
POLY-3 RATE (b)	0/41.74	0/40.47	0/38.95	3/38.15
POLY-3 PERCENT (g)	0%	0%	0%	7.9%
TERMINAL (d)	0/27 (0%)	0/23 (0%)	0/15 (0%)	1/16 (6%)
FIRST INCIDENCE	---	---	---	661

STATISTICAL TESTS

LIFE TABLE	P=0.006**	(e)	(e)	P=0.071
POLY 3	P=0.010**	(e)	(e)	P=0.102
POLY 1.5	P=0.010**	(e)	(e)	P=0.110
POLY 6	P=0.009**	(e)	(e)	P=0.092
LOGISTIC REGRESSION	P=0.009**	(e)	(e)	P=0.102
COCH-ARM / FISHERS	P=0.012*	(e)	(e)	P=0.121
ORDER RESTRICTED	P=0.006**	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.009**	(e)	(e)	(e)

TDMS No. 97008-05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 PROPARGYL ALCOHOL
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 Pathologist: HARBO, S. - LIEUALLEN, W.

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 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	CONTROL	16 PPM	32 PPM	64 PPM

**Oral Cavity (Oral Mucosa, Tongue, Pharynx, Tooth, Gingiva)
 Papilloma Squamous or Papilloma**

TUMOR RATES	#	#	#	#
OVERALL (a)	0/49 (0%)	0/50 (0%)	2/50 (4%)	0/50 (0%)
POLY-3 RATE (b)	0/41.74	0/40.77	2/39.72	0/38
POLY-3 PERCENT (g)	0%	0%	5%	0%
TERMINAL (d)	0/27 (0%)	0/23 (0%)	0/15 (0%)	0/16 (0%)
FIRST INCIDENCE	---	---	607	---

STATISTICAL TESTS

LIFE TABLE	P=0.573	(e)	P=0.214	(e)
POLY 3	P=0.544	(e)	P=0.226	(e)
POLY 1.5	P=0.569	(e)	P=0.233	(e)
POLY 6	P=0.503	(e)	P=0.214	(e)
LOGISTIC REGRESSION	P=0.631	(e)	P=0.270	(e)
COCH-ARM / FISHERS	P=0.598	(e)	P=0.253	(e)
ORDER RESTRICTED	P=0.238	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.261	(e)	(e)	(e)

TDMS No. 97008-05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

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 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	CONTROL	16 PPM	32 PPM	64 PPM

**Oral Cavity (Oral Mucosa, Tongue, Pharynx, Tooth, Gingiva)
 Squamous Cell Carcinoma, Papilloma Squamous, or Papilloma**

TUMOR RATES	#	#	#	#
OVERALL (a)	0/49 (0%)	1/50 (2%)	2/50 (4%)	0/50 (0%)
POLY-3 RATE (b)	0/41.74	1/40.88	2/39.72	0/38
POLY-3 PERCENT (g)	0%	2.5%	5%	0%
TERMINAL (d)	0/27 (0%)	0/23 (0%)	0/15 (0%)	0/16 (0%)
FIRST INCIDENCE	---	701	607	---

STATISTICAL TESTS

LIFE TABLE	P=0.642	P=0.480	P=0.214	(e)
POLY 3	P=0.636	P=0.496	P=0.226	(e)
POLY 1.5	P=0.636N	P=0.499	P=0.233	(e)
POLY 6	P=0.593	P=0.491	P=0.214	(e)
LOGISTIC REGRESSION	P=0.594N	P=0.494	P=0.270	(e)
COCH-ARM / FISHERS	P=0.612N	P=0.505	P=0.253	(e)
ORDER RESTRICTED	P=0.316	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.340	(e)	(e)	(e)

TDMS No. 97008-05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

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 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	CONTROL	16 PPM	32 PPM	64 PPM

**Pancreas
 Mixed Tumor Benign**

TUMOR RATES

OVERALL (a)	2/49 (4%)	0/50 (0%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	2/42.15	0/40.77	0/38.95	1/38
POLY-3 PERCENT (g)	4.7%	0%	0%	2.6%
TERMINAL (d)	0/27 (0%)	0/23 (0%)	0/15 (0%)	1/16 (6%)
FIRST INCIDENCE	624	---	---	729 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.572N	P=0.260N	P=0.307N	P=0.640N
POLY 3	P=0.453N	P=0.244N	P=0.255N	P=0.536N
POLY 1.5	P=0.454N	P=0.239N	P=0.245N	P=0.517N
POLY 6	P=0.453N	P=0.252N	P=0.273N	P=0.567N
LOGISTIC REGRESSION	P=0.485N	P=0.230N	P=0.231N	P=0.531N
COCH-ARM / FISHERS	P=0.457N	P=0.242N	P=0.242N	P=0.492N
ORDER RESTRICTED	P=0.154N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.179N	(e)	(e)	(e)

TDMS No. 97008-05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 PROPARGYL ALCOHOL
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 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	CONTROL	16 PPM	32 PPM	64 PPM

**Pituitary Gland: Pars Distalis or Unspecified Site
 Adenoma**

TUMOR RATES

OVERALL (a)	36/49 (73%)	38/50 (76%)	34/50 (68%)	32/50 (64%)
POLY-3 RATE (b)	36/46.89	38/48.3	34/44.23	32/43.92
POLY-3 PERCENT (g)	76.8%	78.7%	76.9%	72.9%
TERMINAL (d)	20/27 (74%)	18/23 (78%)	14/15 (93%)	14/16 (88%)
FIRST INCIDENCE	376	418	509	481

STATISTICAL TESTS

LIFE TABLE	P=0.102	P=0.242	P=0.055	P=0.127
POLY 3	P=0.328N	P=0.510	P=0.601	P=0.421N
POLY 1.5	P=0.225N	P=0.493	P=0.498N	P=0.327N
POLY 6	P=0.509N	P=0.536	P=0.442	P=0.566N
LOGISTIC REGRESSION	P=0.182N	P=0.491	P=0.459N	P=0.306N
COCH-ARM / FISHERS	P=0.119N	P=0.477	P=0.353N	P=0.212N
ORDER RESTRICTED	P=0.444N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.460N	(e)	(e)	(e)

TDMS No. 97008-05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006
 Time Report Requested: 14:05:13
 First Dose M/F: 10/01/01 / 10/01/01
 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	CONTROL	16 PPM	32 PPM	64 PPM

**Skin
 Basal Cell Adenoma**

TUMOR RATES	#	#	#	#
OVERALL (a)	1/49 (2%)	3/50 (6%)	1/50 (2%)	1/50 (2%)
POLY-3 RATE (b)	1/41.74	3/40.88	1/39.48	1/38
POLY-3 PERCENT (g)	2.4%	7.3%	2.5%	2.6%
TERMINAL (d)	1/27 (4%)	2/23 (9%)	0/15 (0%)	1/16 (6%)
FIRST INCIDENCE	729 (T)	701	565	729 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.607N	P=0.255	P=0.697	P=0.641
POLY 3	P=0.483N	P=0.297	P=0.749	P=0.740
POLY 1.5	P=0.463N	P=0.304	P=0.756	P=0.751
POLY 6	P=0.516N	P=0.288	P=0.735	P=0.720
LOGISTIC REGRESSION	P=0.493N	P=0.272	P=0.744N	P=0.641
COCH-ARM / FISHERS	P=0.438N	P=0.316	P=0.747N	P=0.747N
ORDER RESTRICTED	P=0.471N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.490N	(e)	(e)	(e)

TDMS No. 97008-05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006
 Time Report Requested: 14:05:13
 First Dose M/F: 10/01/01 / 10/01/01
 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	CONTROL	16 PPM	32 PPM	64 PPM

**Skin
 Basal Cell Adenoma, Basosquamous Tumor Benign, or Trichoepithelioma**

TUMOR RATES	#	#	#	#
OVERALL (a)	1/49 (2%)	3/50 (6%)	1/50 (2%)	1/50 (2%)
POLY-3 RATE (b)	1/41.74	3/40.88	1/39.48	1/38
POLY-3 PERCENT (g)	2.4%	7.3%	2.5%	2.6%
TERMINAL (d)	1/27 (4%)	2/23 (9%)	0/15 (0%)	1/16 (6%)
FIRST INCIDENCE	729 (T)	701	565	729 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.607N	P=0.255	P=0.697	P=0.641
POLY 3	P=0.483N	P=0.297	P=0.749	P=0.740
POLY 1.5	P=0.463N	P=0.304	P=0.756	P=0.751
POLY 6	P=0.516N	P=0.288	P=0.735	P=0.720
LOGISTIC REGRESSION	P=0.493N	P=0.272	P=0.744N	P=0.641
COCH-ARM / FISHERS	P=0.438N	P=0.316	P=0.747N	P=0.747N
ORDER RESTRICTED	P=0.471N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.490N	(e)	(e)	(e)

TDMS No. 97008-05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006
 Time Report Requested: 14:05:13
 First Dose M/F: 10/01/01 / 10/01/01
 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	CONTROL	16 PPM	32 PPM	64 PPM

Skin
 Basal Cell Carcinoma, Basal Cell Adenoma, Basosquamous Tumor (benign, malignant or NOS), or Trichoepithelioma

TUMOR RATES	#	#	#	#
OVERALL (a)	1/49 (2%)	3/50 (6%)	1/50 (2%)	1/50 (2%)
POLY-3 RATE (b)	1/41.74	3/40.88	1/39.48	1/38
POLY-3 PERCENT (g)	2.4%	7.3%	2.5%	2.6%
TERMINAL (d)	1/27 (4%)	2/23 (9%)	0/15 (0%)	1/16 (6%)
FIRST INCIDENCE	729 (T)	701	565	729 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.607N	P=0.255	P=0.697	P=0.641
POLY 3	P=0.483N	P=0.297	P=0.749	P=0.740
POLY 1.5	P=0.463N	P=0.304	P=0.756	P=0.751
POLY 6	P=0.516N	P=0.288	P=0.735	P=0.720
LOGISTIC REGRESSION	P=0.493N	P=0.272	P=0.744N	P=0.641
COCH-ARM / FISHERS	P=0.438N	P=0.316	P=0.747N	P=0.747N
ORDER RESTRICTED	P=0.471N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.490N	(e)	(e)	(e)

TDMS No. 97008-05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Reqsted: 08/09/2006
 Time Report Reqsted: 14:05:13
 First Dose M/F: 10/01/01 / 10/01/01
 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	CONTROL	16 PPM	32 PPM	64 PPM
Skin Basal or Sq. Cell Carcinoma, Carcinoma, Basosq. Tumor (M or B), Basal Cell Adenoma, Adenoma, Papilloma, Sq Papilloma, Keratoacanthoma, Trichoepithelioma				
TUMOR RATES	#	#	#	#
OVERALL (a)	5/49 (10%)	9/50 (18%)	3/50 (6%)	8/50 (16%)
POLY-3 RATE (b)	5/42.22	9/41.31	3/39.48	8/38.56
POLY-3 PERCENT (g)	11.8%	21.8%	7.6%	20.8%
TERMINAL (d)	3/27 (11%)	5/23 (22%)	2/15 (13%)	6/16 (38%)
FIRST INCIDENCE	624	669	565	646
STATISTICAL TESTS				
LIFE TABLE	P=0.104	P=0.139	P=0.598N	P=0.072
POLY 3	P=0.300	P=0.176	P=0.393N	P=0.215
POLY 1.5	P=0.338	P=0.189	P=0.371N	P=0.248
POLY 6	P=0.242	P=0.162	P=0.432N	P=0.170
LOGISTIC REGRESSION	P=0.231	P=0.163	P=0.388N	P=0.154
COCH-ARM / FISHERS	P=0.384	P=0.205	P=0.346N	P=0.290
ORDER RESTRICTED	P=0.207	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.230	(e)	(e)	(e)

TDMS No. 97008-05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Reqsted: 08/09/2006
 Time Report Reqsted: 14:05:13
 First Dose M/F: 10/01/01 / 10/01/01
 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	CONTROL	16 PPM	32 PPM	64 PPM
Skin				
Fibroma				
TUMOR RATES	#	#	#	#
OVERALL (a)	3/49 (6%)	3/50 (6%)	3/50 (6%)	2/50 (4%)
POLY-3 RATE (b)	3/42.28	3/41.52	3/39.5	2/38
POLY-3 PERCENT (g)	7.1%	7.2%	7.6%	5.3%
TERMINAL (d)	2/27 (7%)	1/23 (4%)	0/15 (0%)	2/16 (13%)
FIRST INCIDENCE	565	614	633	729 (T)
STATISTICAL TESTS				
LIFE TABLE	P=0.580N	P=0.616	P=0.510	P=0.674
POLY 3	P=0.450N	P=0.655	P=0.631	P=0.549N
POLY 1.5	P=0.422N	P=0.662	P=0.649	P=0.522N
POLY 6	P=0.497N	P=0.646	P=0.602	P=0.589N
LOGISTIC REGRESSION	P=0.418N	P=0.645N	P=0.664N	P=0.556N
COCH-ARM / FISHERS	P=0.389N	P=0.651N	P=0.651N	P=0.490N
ORDER RESTRICTED	P=0.563N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.577N	(e)	(e)	(e)

TDMS No. 97008-05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Reqsted: 08/09/2006
 Time Report Reqsted: 14:05:13
 First Dose M/F: 10/01/01 / 10/01/01
 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	CONTROL	16 PPM	32 PPM	64 PPM

Skin
 Fibroma, Fibrosarcoma, Sarcoma, Myxoma, Myxosarcoma, or Fibrous Histiocytoma

TUMOR RATES	#	#	#	#
OVERALL (a)	4/49 (8%)	4/50 (8%)	3/50 (6%)	5/50 (10%)
POLY-3 RATE (b)	4/42.82	4/41.52	3/39.5	5/38.7
POLY-3 PERCENT (g)	9.3%	9.6%	7.6%	12.9%
TERMINAL (d)	2/27 (7%)	2/23 (9%)	0/15 (0%)	2/16 (13%)
FIRST INCIDENCE	561	614	633	611

STATISTICAL TESTS

LIFE TABLE	P=0.247	P=0.587	P=0.643N	P=0.311
POLY 3	P=0.371	P=0.627	P=0.544N	P=0.436
POLY 1.5	P=0.402	P=0.639	P=0.520N	P=0.470
POLY 6	P=0.324	P=0.612	P=0.582N	P=0.386
LOGISTIC REGRESSION	P=0.423	P=0.618N	P=0.470N	P=0.507
COCH-ARM / FISHERS	P=0.440	P=0.631N	P=0.489N	P=0.513
ORDER RESTRICTED	P=0.429	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.450	(e)	(e)	(e)

TDMS No. 97008-05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Reqsted: 08/09/2006
 Time Report Reqsted: 14:05:13
 First Dose M/F: 10/01/01 / 10/01/01
 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	CONTROL	16 PPM	32 PPM	64 PPM
Skin				
Fibrosarcoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	1/49 (2%)	0/50 (0%)	0/50 (0%)	2/50 (4%)
POLY-3 RATE (b)	1/42.29	0/40.77	0/38.95	2/38.62
POLY-3 PERCENT (g)	2.4%	0%	0%	5.2%
TERMINAL (d)	0/27 (0%)	0/23 (0%)	0/15 (0%)	0/16 (0%)
FIRST INCIDENCE	561	---	---	611
STATISTICAL TESTS				
LIFE TABLE	P=0.220	P=0.509N	P=0.504N	P=0.453
POLY 3	P=0.238	P=0.507N	P=0.516N	P=0.468
POLY 1.5	P=0.243	P=0.502N	P=0.507N	P=0.485
POLY 6	P=0.229	P=0.514N	P=0.532N	P=0.442
LOGISTIC REGRESSION	P=0.283	P=0.481N	P=0.437N	P=0.569
COCH-ARM / FISHERS	P=0.249	P=0.495N	P=0.495N	P=0.508
ORDER RESTRICTED	P=0.111	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.132	(e)	(e)	(e)

TDMS No. 97008-05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006
 Time Report Requested: 14:05:13
 First Dose M/F: 10/01/01 / 10/01/01
 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	CONTROL	16 PPM	32 PPM	64 PPM

**Skin
 Fibrosarcoma, Sarcoma, Myxosarcoma, or Fibrous Histiocytoma**

TUMOR RATES	#	#	#	#
OVERALL (a)	1/49 (2%)	1/50 (2%)	0/50 (0%)	3/50 (6%)
POLY-3 RATE (b)	1/42.29	1/40.77	0/38.95	3/38.7
POLY-3 PERCENT (g)	2.4%	2.5%	0%	7.8%
TERMINAL (d)	0/27 (0%)	1/23 (4%)	0/15 (0%)	0/16 (0%)
FIRST INCIDENCE	561	729 (T)	---	611

STATISTICAL TESTS

LIFE TABLE	P=0.112	P=0.738	P=0.504N	P=0.244
POLY 3	P=0.146	P=0.753	P=0.516N	P=0.273
POLY 1.5	P=0.154	P=0.758	P=0.507N	P=0.291
POLY 6	P=0.135	P=0.745	P=0.532N	P=0.249
LOGISTIC REGRESSION	P=0.169	P=0.748N	P=0.437N	P=0.348
COCH-ARM / FISHERS	P=0.163	P=0.747N	P=0.495N	P=0.316
ORDER RESTRICTED	P=0.084	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.101	(e)	(e)	(e)

TDMS No. 97008-05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Reqsted: 08/09/2006
 Time Report Reqsted: 14:05:13
 First Dose M/F: 10/01/01 / 10/01/01
 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	CONTROL	16 PPM	32 PPM	64 PPM
Skin				
Keratoacanthoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	4/49 (8%)	5/50 (10%)	2/50 (4%)	4/50 (8%)
POLY-3 RATE (b)	4/42.22	5/40.97	2/38.95	4/38.26
POLY-3 PERCENT (g)	9.5%	12.2%	5.1%	10.5%
TERMINAL (d)	2/27 (7%)	3/23 (13%)	2/15 (13%)	3/16 (19%)
FIRST INCIDENCE	624	684	729 (T)	661
STATISTICAL TESTS				
LIFE TABLE	P=0.375	P=0.418	P=0.564N	P=0.404
POLY 3	P=0.535N	P=0.481	P=0.374N	P=0.589
POLY 1.5	P=0.506N	P=0.495	P=0.353N	P=0.619
POLY 6	P=0.552	P=0.462	P=0.412N	P=0.539
LOGISTIC REGRESSION	P=0.511	P=0.470	P=0.407N	P=0.546
COCH-ARM / FISHERS	P=0.472N	P=0.513	P=0.329N	P=0.631N
ORDER RESTRICTED	P=0.503N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.521N	(e)	(e)	(e)

TDMS No. 97008-05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Reqsted: 08/09/2006
 Time Report Reqsted: 14:05:13
 First Dose M/F: 10/01/01 / 10/01/01
 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	CONTROL	16 PPM	32 PPM	64 PPM
Skin				
Lipoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	2/49 (4%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	2/41.74	0/40.77	0/38.95	0/38
POLY-3 PERCENT (g)	4.8%	0%	0%	0%
TERMINAL (d)	2/27 (7%)	0/23 (0%)	0/15 (0%)	0/16 (0%)
FIRST INCIDENCE	729 (T)	---	---	---
STATISTICAL TESTS				
LIFE TABLE	P=0.177N	P=0.274N	P=0.374N	P=0.359N
POLY 3	P=0.108N	P=0.242N	P=0.253N	P=0.258N
POLY 1.5	P=0.109N	P=0.238N	P=0.243N	P=0.247N
POLY 6	P=0.106N	P=0.248N	P=0.269N	P=0.278N
LOGISTIC REGRESSION	P=0.177N	(e)	(e)	(e)
COCH-ARM / FISHERS	P=0.113N	P=0.242N	P=0.242N	P=0.242N
ORDER RESTRICTED	P=0.037N*	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.051N	(e)	(e)	(e)

TDMS No. 97008-05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Reqsted: 08/09/2006
 Time Report Reqsted: 14:05:13
 First Dose M/F: 10/01/01 / 10/01/01
 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	CONTROL	16 PPM	32 PPM	64 PPM

**Skin
 Squamous Cell Papilloma**

TUMOR RATES	#	#	#	#
OVERALL (a)	0/49 (0%)	1/50 (2%)	0/50 (0%)	2/50 (4%)
POLY-3 RATE (b)	0/41.74	1/41	0/38.95	2/38.31
POLY-3 PERCENT (g)	0%	2.4%	0%	5.2%
TERMINAL (d)	0/27 (0%)	0/23 (0%)	0/15 (0%)	1/16 (6%)
FIRST INCIDENCE	---	669	---	646

STATISTICAL TESTS

LIFE TABLE	P=0.092	P=0.506	(e)	P=0.161
POLY 3	P=0.125	P=0.496	(e)	P=0.218
POLY 1.5	P=0.133	P=0.500	(e)	P=0.229
POLY 6	P=0.114	P=0.492	(e)	P=0.202
LOGISTIC REGRESSION	P=0.131	P=0.507	(e)	P=0.219
COCH-ARM / FISHERS	P=0.142	P=0.505	(e)	P=0.253
ORDER RESTRICTED	P=0.063	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.078	(e)	(e)	(e)

TDMS No. 97008-05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006
 Time Report Requested: 14:05:13
 First Dose M/F: 10/01/01 / 10/01/01
 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	CONTROL	16 PPM	32 PPM	64 PPM

**Skin
 Squamous Cell Papilloma, Papilloma, Squamous Cell Carcinoma or Keratoacanthoma**

TUMOR RATES	#	#	#	#
OVERALL (a)	4/49 (8%)	6/50 (12%)	2/50 (4%)	7/50 (14%)
POLY-3 RATE (b)	4/42.22	6/41.2	2/38.95	7/38.56
POLY-3 PERCENT (g)	9.5%	14.6%	5.1%	18.2%
TERMINAL (d)	2/27 (7%)	3/23 (13%)	2/15 (13%)	5/16 (31%)
FIRST INCIDENCE	624	669	729 (T)	646

STATISTICAL TESTS

LIFE TABLE	P=0.077	P=0.303	P=0.564N	P=0.083
POLY 3	P=0.219	P=0.353	P=0.374N	P=0.208
POLY 1.5	P=0.246	P=0.366	P=0.353N	P=0.236
POLY 6	P=0.178	P=0.336	P=0.412N	P=0.168
LOGISTIC REGRESSION	P=0.155	P=0.345	P=0.407N	P=0.167
COCH-ARM / FISHERS	P=0.279	P=0.383	P=0.329N	P=0.274
ORDER RESTRICTED	P=0.173	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.197	(e)	(e)	(e)

TDMS No. 97008-05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006
 Time Report Requested: 14:05:13
 First Dose M/F: 10/01/01 / 10/01/01
 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	CONTROL	16 PPM	32 PPM	64 PPM

**Skin
 Squamous Cell Papilloma, Papilloma, or Keratoacanthoma**

TUMOR RATES	#	#	#	#
OVERALL (a)	4/49 (8%)	6/50 (12%)	2/50 (4%)	6/50 (12%)
POLY-3 RATE (b)	4/42.22	6/41.2	2/38.95	6/38.56
POLY-3 PERCENT (g)	9.5%	14.6%	5.1%	15.6%
TERMINAL (d)	2/27 (7%)	3/23 (13%)	2/15 (13%)	4/16 (25%)
FIRST INCIDENCE	624	669	729 (T)	646

STATISTICAL TESTS

LIFE TABLE	P=0.153	P=0.303	P=0.564N	P=0.155
POLY 3	P=0.342	P=0.353	P=0.374N	P=0.312
POLY 1.5	P=0.373	P=0.366	P=0.353N	P=0.343
POLY 6	P=0.292	P=0.336	P=0.412N	P=0.265
LOGISTIC REGRESSION	P=0.270	P=0.345	P=0.407N	P=0.274
COCH-ARM / FISHERS	P=0.411	P=0.383	P=0.329N	P=0.383
ORDER RESTRICTED	P=0.304	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.328	(e)	(e)	(e)

TDMS No. 97008-05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Reqsted: 08/09/2006
 Time Report Reqsted: 14:05:13
 First Dose M/F: 10/01/01 / 10/01/01
 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	CONTROL	16 PPM	32 PPM	64 PPM

Testes
 Adenoma

TUMOR RATES

OVERALL (a)	38/49 (78%)	37/50 (74%)	33/50 (66%)	42/50 (84%)
POLY-3 RATE (b)	38/45.39	37/45.26	33/44.6	42/46.04
POLY-3 PERCENT (g)	83.7%	81.7%	74%	91.2%
TERMINAL (d)	25/27 (93%)	19/23 (83%)	11/15 (73%)	16/16 (100%)
FIRST INCIDENCE	503	504	558	486

STATISTICAL TESTS

LIFE TABLE	P=0.002**	P=0.345	P=0.111	P=0.002**
POLY 3	P=0.171	P=0.513N	P=0.171N	P=0.189
POLY 1.5	P=0.196	P=0.475N	P=0.159N	P=0.226
POLY 6	P=0.137	P=0.551N	P=0.195N	P=0.138
LOGISTIC REGRESSION	P=0.074	P=0.571N	P=0.268N	P=0.094
COCH-ARM / FISHERS	P=0.246	P=0.430N	P=0.146N	P=0.288
ORDER RESTRICTED	P=0.079	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.083	(e)	(e)	(e)

TDMS No. 97008-05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006
 Time Report Requested: 14:05:13
 First Dose M/F: 10/01/01 / 10/01/01
 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	CONTROL	16 PPM	32 PPM	64 PPM

**Thyroid Gland: C-Cell
 Adenoma**

TUMOR RATES

OVERALL (a)	4/49 (8%)	9/50 (18%)	7/50 (14%)	7/50 (14%)
POLY-3 RATE (b)	4/42.1	9/40.94	7/39.73	7/39.46
POLY-3 PERCENT (g)	9.5%	22%	17.6%	17.7%
TERMINAL (d)	1/27 (4%)	8/23 (35%)	3/15 (20%)	2/16 (13%)
FIRST INCIDENCE	673	684	626	565

STATISTICAL TESTS

LIFE TABLE	P=0.103	P=0.072	P=0.101	P=0.118
POLY 3	P=0.285	P=0.101	P=0.225	P=0.222
POLY 1.5	P=0.319	P=0.111	P=0.247	P=0.244
POLY 6	P=0.233	P=0.088	P=0.193	P=0.190
LOGISTIC REGRESSION	P=0.232	P=0.085	P=0.196	P=0.233
COCH-ARM / FISHERS	P=0.362	P=0.125	P=0.274	P=0.274
ORDER RESTRICTED	P=0.185	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.204	(e)	(e)	(e)

TDMS No. 97008-05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Reqsted: 08/09/2006
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**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	CONTROL	16 PPM	32 PPM	64 PPM

**Thyroid Gland: C-Cell
 Carcinoma**

TUMOR RATES

OVERALL (a)	3/49 (6%)	3/50 (6%)	1/50 (2%)	2/50 (4%)
POLY-3 RATE (b)	3/41.74	3/40.88	1/39.37	2/38.08
POLY-3 PERCENT (g)	7.2%	7.3%	2.5%	5.3%
TERMINAL (d)	3/27 (11%)	2/23 (9%)	0/15 (0%)	1/16 (6%)
FIRST INCIDENCE	729 (T)	701	607	711

STATISTICAL TESTS

LIFE TABLE	P=0.553N	P=0.592	P=0.481N	P=0.644
POLY 3	P=0.372N	P=0.653	P=0.326N	P=0.542N
POLY 1.5	P=0.356N	P=0.661	P=0.313N	P=0.519N
POLY 6	P=0.401N	P=0.643	P=0.348N	P=0.579N
LOGISTIC REGRESSION	P=0.446N	P=0.619	P=0.337N	P=0.682
COCH-ARM / FISHERS	P=0.336N	P=0.651N	P=0.301N	P=0.490N
ORDER RESTRICTED	P=0.407N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.427N	(e)	(e)	(e)

TDMS No. 97008-05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006
 Time Report Requested: 14:05:13
 First Dose M/F: 10/01/01 / 10/01/01
 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	CONTROL	16 PPM	32 PPM	64 PPM

**Thyroid Gland: C-Cell
 Carcinoma or Adenoma**

TUMOR RATES

OVERALL (a)	7/49 (14%)	12/50 (24%)	8/50 (16%)	9/50 (18%)
POLY-3 RATE (b)	7/42.1	12/41.05	8/40.15	9/39.53
POLY-3 PERCENT (g)	16.6%	29.2%	19.9%	22.8%
TERMINAL (d)	4/27 (15%)	10/23 (44%)	3/15 (20%)	3/16 (19%)
FIRST INCIDENCE	673	684	607	565

STATISTICAL TESTS

LIFE TABLE	P=0.142	P=0.083	P=0.206	P=0.142
POLY 3	P=0.427	P=0.131	P=0.460	P=0.337
POLY 1.5	P=0.467	P=0.146	P=0.485	P=0.369
POLY 6	P=0.364	P=0.112	P=0.417	P=0.289
LOGISTIC REGRESSION	P=0.328	P=0.101	P=0.409	P=0.293
COCH-ARM / FISHERS	P=0.516	P=0.166	P=0.517	P=0.410
ORDER RESTRICTED	P=0.329	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.348	(e)	(e)	(e)

TDMS No. 97008-05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Reqsted: 08/09/2006
 Time Report Reqsted: 14:05:13
 First Dose M/F: 10/01/01 / 10/01/01
 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	CONTROL	16 PPM	32 PPM	64 PPM

**Thyroid Gland: Follicular Cell
 Adenoma**

TUMOR RATES

OVERALL (a)	1/49 (2%)	2/50 (4%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	1/41.74	2/40.88	0/38.95	0/38
POLY-3 PERCENT (g)	2.4%	4.9%	0%	0%
TERMINAL (d)	1/27 (4%)	1/23 (4%)	0/15 (0%)	0/16 (0%)
FIRST INCIDENCE	729 (T)	701	---	---

STATISTICAL TESTS

LIFE TABLE	P=0.283N	P=0.451	P=0.617N	P=0.604N
POLY 3	P=0.203N	P=0.493	P=0.514N	P=0.519N
POLY 1.5	P=0.194N	P=0.499	P=0.506N	P=0.508N
POLY 6	P=0.218N	P=0.484	P=0.527N	P=0.535N
LOGISTIC REGRESSION	P=0.247N	P=0.472	(e)	(e)
COCH-ARM / FISHERS	P=0.185N	P=0.508	P=0.495N	P=0.495N
ORDER RESTRICTED	P=0.182N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.206N	(e)	(e)	(e)

TDMS No. 97008-05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Reqsted: 08/09/2006
 Time Report Reqsted: 14:05:13
 First Dose M/F: 10/01/01 / 10/01/01
 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	CONTROL	16 PPM	32 PPM	64 PPM

**Thyroid Gland: Follicular Cell
 Carcinoma**

TUMOR RATES

OVERALL (a)	0/49 (0%)	0/50 (0%)	0/50 (0%)	2/50 (4%)
POLY-3 RATE (b)	0/41.74	0/40.77	0/38.95	2/38.09
POLY-3 PERCENT (g)	0%	0%	0%	5.3%
TERMINAL (d)	0/27 (0%)	0/23 (0%)	0/15 (0%)	0/16 (0%)
FIRST INCIDENCE	---	---	---	711

STATISTICAL TESTS

LIFE TABLE	P=0.025*	(e)	(e)	P=0.151
POLY 3	P=0.042*	(e)	(e)	P=0.217
POLY 1.5	P=0.044*	(e)	(e)	P=0.228
POLY 6	P=0.039*	(e)	(e)	P=0.200
LOGISTIC REGRESSION	P=0.028*	(e)	(e)	P=0.167
COCH-ARM / FISHERS	P=0.047*	(e)	(e)	P=0.253
ORDER RESTRICTED	P=0.023*	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.033*	(e)	(e)	(e)

TDMS No. 97008-05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Reqsted: 08/09/2006
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 First Dose M/F: 10/01/01 / 10/01/01
 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	CONTROL	16 PPM	32 PPM	64 PPM

**Thyroid Gland: Follicular Cell
 Carcinoma or Adenoma**

TUMOR RATES

OVERALL (a)	1/49 (2%)	2/50 (4%)	0/50 (0%)	2/50 (4%)
POLY-3 RATE (b)	1/41.74	2/40.88	0/38.95	2/38.09
POLY-3 PERCENT (g)	2.4%	4.9%	0%	5.3%
TERMINAL (d)	1/27 (4%)	1/23 (4%)	0/15 (0%)	0/16 (0%)
FIRST INCIDENCE	729 (T)	701	---	711

STATISTICAL TESTS

LIFE TABLE	P=0.313	P=0.451	P=0.617N	P=0.343
POLY 3	P=0.438	P=0.493	P=0.514N	P=0.468
POLY 1.5	P=0.455	P=0.499	P=0.506N	P=0.486
POLY 6	P=0.411	P=0.484	P=0.527N	P=0.440
LOGISTIC REGRESSION	P=0.356	P=0.472	(e)	P=0.373
COCH-ARM / FISHERS	P=0.475	P=0.508	P=0.495N	P=0.508
ORDER RESTRICTED	P=0.370	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.391	(e)	(e)	(e)

TDMS No. 97008-05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006
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 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	CONTROL	16 PPM	32 PPM	64 PPM

**Zymbal's Gland
 Carcinoma**

TUMOR RATES

	#	#	#	#
OVERALL (a)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/41.74	0/40.77	0/38.95	0/38
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/27 (0%)	0/23 (0%)	0/15 (0%)	0/16 (0%)
FIRST INCIDENCE	---	---	---	---

STATISTICAL TESTS

LIFE TABLE	(e)	(e)	(e)	(e)
POLY 3	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)
LOGISTIC REGRESSION	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)
ORDER RESTRICTED	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)

TDMS No. 97008-05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Reqsted: 08/09/2006
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 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	CONTROL	16 PPM	32 PPM	64 PPM

**Zymbal's Gland
 Carcinoma or Adenoma**

TUMOR RATES	#	#	#	#
OVERALL (a)	0/49 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/41.74	1/40.9	0/38.95	0/38
POLY-3 PERCENT (g)	0%	2.5%	0%	0%
TERMINAL (d)	0/27 (0%)	0/23 (0%)	0/15 (0%)	0/16 (0%)
FIRST INCIDENCE	---	696	---	---

STATISTICAL TESTS

LIFE TABLE	P=0.623N	P=0.480	(e)	(e)
POLY 3	P=0.580N	P=0.496	(e)	(e)
POLY 1.5	P=0.573N	P=0.499	(e)	(e)
POLY 6	P=0.592N	P=0.491	(e)	(e)
LOGISTIC REGRESSION	P=0.587N	P=0.497	(e)	(e)
COCH-ARM / FISHERS	P=0.565N	P=0.505	(e)	(e)
ORDER RESTRICTED	P=0.394N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.414N	(e)	(e)	(e)

TDMS No. 97008-05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Reqsted: 08/09/2006
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 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	CONTROL	16 PPM	32 PPM	64 PPM

**All Organs
 Hemangiosarcoma**

TUMOR RATES

	#	#	#	#
OVERALL (a)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/41.74	0/40.77	0/38.95	0/38
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/27 (0%)	0/23 (0%)	0/15 (0%)	0/16 (0%)
FIRST INCIDENCE	---	---	---	---

STATISTICAL TESTS

LIFE TABLE	(e)	(e)	(e)	(e)
POLY 3	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)
LOGISTIC REGRESSION	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)
ORDER RESTRICTED	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)

TDMS No. 97008-05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006
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 First Dose M/F: 10/01/01 / 10/01/01
 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	CONTROL	16 PPM	32 PPM	64 PPM

**All Organs
 Histiocytic Sarcoma**

TUMOR RATES	#	#	#	#
OVERALL (a)	0/49 (0%)	2/50 (4%)	0/50 (0%)	2/50 (4%)
POLY-3 RATE (b)	0/41.74	2/40.94	0/38.95	2/38.31
POLY-3 PERCENT (g)	0%	4.9%	0%	5.2%
TERMINAL (d)	0/27 (0%)	1/23 (4%)	0/15 (0%)	1/16 (6%)
FIRST INCIDENCE	---	684	---	646

STATISTICAL TESTS

LIFE TABLE	P=0.152	P=0.212	(e)	P=0.161
POLY 3	P=0.220	P=0.232	(e)	P=0.218
POLY 1.5	P=0.234	P=0.237	(e)	P=0.229
POLY 6	P=0.199	P=0.227	(e)	P=0.202
LOGISTIC REGRESSION	P=0.213	P=0.228	(e)	P=0.219
COCH-ARM / FISHERS	P=0.251	P=0.253	(e)	P=0.253
ORDER RESTRICTED	P=0.102	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.120	(e)	(e)	(e)

TDMS No. 97008-05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006
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 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	CONTROL	16 PPM	32 PPM	64 PPM

All Organs
 Leukemia: Lymphocytic, Monocytic, Mononuclear, or Undifferentiated

TUMOR RATES	#	#	#	#
OVERALL (a)	21/49 (43%)	26/50 (52%)	23/50 (46%)	37/50 (74%)
POLY-3 RATE (b)	21/43.57	26/45.17	23/43.82	37/46.2
POLY-3 PERCENT (g)	48.2%	57.6%	52.5%	80.1%
TERMINAL (d)	12/27 (44%)	11/23 (48%)	5/15 (33%)	11/16 (69%)
FIRST INCIDENCE	589	418	523	481

STATISTICAL TESTS

LIFE TABLE	P<0.001**	P=0.141	P=0.074	P<0.001**
POLY 3	P<0.001**	P=0.246	P=0.424	P<0.001**
POLY 1.5	P<0.001**	P=0.243	P=0.438	P<0.001**
POLY 6	P<0.001**	P=0.254	P=0.393	P<0.001**
LOGISTIC REGRESSION	P<0.001**	P=0.203	P=0.373	P<0.001**
COCH-ARM / FISHERS	P=0.002**	P=0.239	P=0.455	P=0.002**
ORDER RESTRICTED	P<0.001**	(e)	(e)	(e)
MAX-ISO-POLY-3	P<0.001**	(e)	(e)	(e)

TDMS No. 97008-05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006
 Time Report Requested: 14:05:13
 First Dose M/F: 10/01/01 / 10/01/01
 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	CONTROL	16 PPM	32 PPM	64 PPM
All Organs				
Benign Tumors				
TUMOR RATES				
	#	#	#	#
OVERALL (a)	48/49 (98%)	50/50 (100%)	47/50 (94%)	48/50 (96%)
POLY-3 RATE (b)	48/48.53	50/50	47/47.99	48/48.56
POLY-3 PERCENT (g)	98.9%	100%	97.9%	98.8%
TERMINAL (d)	27/27 (100%)	23/23 (100%)	15/15 (100%)	16/16 (100%)
FIRST INCIDENCE	376	418	509	481
STATISTICAL TESTS				
LIFE TABLE	P=0.011*	P=0.190	P=0.021*	P=0.016*
POLY 3	P=0.603N	P=0.810	P=0.729N	P=0.903N
POLY 1.5	P=0.449N	P=0.642	P=0.545N	P=0.773N
POLY 6	P=0.846N	P=0.995	P=0.968N	P=0.995
LOGISTIC REGRESSION	P=0.388N	P=0.480	P=0.408N	P=0.682N
COCH-ARM / FISHERS	P=0.246N	P=0.495	P=0.316N	P=0.508N
ORDER RESTRICTED	P=0.367N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.374N	(e)	(e)	(e)

TDMS No. 97008-05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Reqsted: 08/09/2006
 Time Report Reqsted: 14:05:13
 First Dose M/F: 10/01/01 / 10/01/01
 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	CONTROL	16 PPM	32 PPM	64 PPM

**All Organs
 Malignant Tumors**

TUMOR RATES

	#	#	#	#
OVERALL (a)	32/49 (65%)	33/50 (66%)	24/50 (48%)	42/50 (84%)
POLY-3 RATE (b)	32/45.9	33/46.06	24/43.82	42/47.08
POLY-3 PERCENT (g)	69.7%	71.7%	54.8%	89.2%
TERMINAL (d)	17/27 (63%)	15/23 (65%)	6/15 (40%)	13/16 (81%)
FIRST INCIDENCE	481	418	523	481

STATISTICAL TESTS

LIFE TABLE	P<0.001**	P=0.299	P=0.451	P<0.001**
POLY 3	P=0.018*	P=0.511	P=0.097N	P=0.013*
POLY 1.5	P=0.021*	P=0.534	P=0.078N	P=0.015*
POLY 6	P=0.015*	P=0.481	P=0.141N	P=0.012*
LOGISTIC REGRESSION	P=0.020*	P=0.517	P=0.085N	P=0.013*
COCH-ARM / FISHERS	P=0.038*	P=0.555	P=0.062N	P=0.028*
ORDER RESTRICTED	P=0.003**	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.005**	(e)	(e)	(e)

TDMS No. 97008-05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Reqsted: 08/09/2006
 Time Report Reqsted: 14:05:13
 First Dose M/F: 10/01/01 / 10/01/01
 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	CONTROL	16 PPM	32 PPM	64 PPM

**All Organs
 Malignant and Benign Tumors**

TUMOR RATES	#	#	#	#
OVERALL (a)	49/49 (100%)	50/50 (100%)	49/50 (98%)	49/50 (98%)
POLY-3 RATE (b)	49/49	50/50	49/49.05	49/49.05
POLY-3 PERCENT (g)	100%	100%	99.9%	99.9%
TERMINAL (d)	27/27 (100%)	23/23 (100%)	15/15 (100%)	16/16 (100%)
FIRST INCIDENCE	376	418	509	481

STATISTICAL TESTS

LIFE TABLE	P=0.010**	(e)	P=0.017*	P=0.017*
POLY 3	P=1.000N	(e)	P=1.000N	P=1.000N
POLY 1.5	P=0.815N	(e)	P=1.000N	P=1.000N
POLY 6	P=1.000N	(e)	P=1.000N	P=1.000N
LOGISTIC REGRESSION	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	P=0.238N	(e)	P=0.505N	P=0.505N
ORDER RESTRICTED	P=0.223N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.228N	(e)	(e)	(e)

TDMS No. 97008-05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Reqsted: 08/09/2006
 Time Report Reqsted: 14:05:13
 First Dose M/F: 10/01/01 / 10/01/01
 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	CONTROL	16 PPM	32 PPM	64 PPM

**Adrenal Cortex
 Adenoma**

TUMOR RATES

OVERALL (a)	0/50 (0%)	1/50 (2%)	2/50 (4%)	1/50 (2%)
POLY-3 RATE (b)	0/41.7	1/44.29	2/42.83	1/42.98
POLY-3 PERCENT (g)	0%	2.3%	4.7%	2.3%
TERMINAL (d)	0/29 (0%)	1/31 (3%)	2/27 (7%)	0/26 (0%)
FIRST INCIDENCE	---	730 (T)	730 (T)	522

STATISTICAL TESTS

LIFE TABLE	P=0.336	P=0.513	P=0.222	P=0.504
POLY 3	P=0.376	P=0.512	P=0.243	P=0.506
POLY 1.5	P=0.374	P=0.508	P=0.241	P=0.504
POLY 6	P=0.372	P=0.517	P=0.245	P=0.506
LOGISTIC REGRESSION	P=0.365	P=0.513	P=0.222	P=0.342
COCH-ARM / FISHERS	P=0.366	P=0.500	P=0.247	P=0.500
ORDER RESTRICTED	P=0.230	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.240	(e)	(e)	(e)

TDMS No. 97008-05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Reqsted: 08/09/2006
 Time Report Reqsted: 14:05:13
 First Dose M/F: 10/01/01 / 10/01/01
 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	CONTROL	16 PPM	32 PPM	64 PPM

**Adrenal Medulla
 Pheochromocytoma Benign**

TUMOR RATES

OVERALL (a)	1/50 (2%)	1/50 (2%)	1/50 (2%)	1/50 (2%)
POLY-3 RATE (b)	1/41.7	1/44.29	1/42.83	1/42.35
POLY-3 PERCENT (g)	2.4%	2.3%	2.3%	2.4%
TERMINAL (d)	1/29 (3%)	1/31 (3%)	1/27 (4%)	1/26 (4%)
FIRST INCIDENCE	730 (T)	730 (T)	730 (T)	730 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.595	P=0.747N	P=0.746	P=0.738
POLY 3	P=0.632	P=0.747N	P=0.755N	P=0.758N
POLY 1.5	P=0.632N	P=0.752N	P=0.757N	P=0.758N
POLY 6	P=0.626	P=0.742N	P=0.753N	P=0.760N
LOGISTIC REGRESSION	P=0.595	P=0.747N	P=0.746	P=0.738
COCH-ARM / FISHERS	P=0.634	P=0.753N	P=0.753N	P=0.753N
ORDER RESTRICTED	P=0.737N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.737N	(e)	(e)	(e)

TDMS No. 97008-05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Reqsted: 08/09/2006
 Time Report Reqsted: 14:05:13
 First Dose M/F: 10/01/01 / 10/01/01
 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	CONTROL	16 PPM	32 PPM	64 PPM

**Adrenal Medulla
 Pheochromocytoma Malignant**

TUMOR RATES

OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/41.7	0/44.29	0/42.83	0/42.35
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/29 (0%)	0/31 (0%)	0/27 (0%)	0/26 (0%)
FIRST INCIDENCE	---	---	---	---

STATISTICAL TESTS

LIFE TABLE	(e)	(e)	(e)	(e)
POLY 3	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)
LOGISTIC REGRESSION	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)
ORDER RESTRICTED	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)

TDMS No. 97008-05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006
 Time Report Requested: 14:05:13
 First Dose M/F: 10/01/01 / 10/01/01
 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	CONTROL	16 PPM	32 PPM	64 PPM

Adrenal Medulla
Pheochromocytoma: Benign, Complex, Malignant, NOS

TUMOR RATES

OVERALL (a)	1/50 (2%)	1/50 (2%)	1/50 (2%)	1/50 (2%)
POLY-3 RATE (b)	1/41.7	1/44.29	1/42.83	1/42.35
POLY-3 PERCENT (g)	2.4%	2.3%	2.3%	2.4%
TERMINAL (d)	1/29 (3%)	1/31 (3%)	1/27 (4%)	1/26 (4%)
FIRST INCIDENCE	730 (T)	730 (T)	730 (T)	730 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.595	P=0.747N	P=0.746	P=0.738
POLY 3	P=0.632	P=0.747N	P=0.755N	P=0.758N
POLY 1.5	P=0.632N	P=0.752N	P=0.757N	P=0.758N
POLY 6	P=0.626	P=0.742N	P=0.753N	P=0.760N
LOGISTIC REGRESSION	P=0.595	P=0.747N	P=0.746	P=0.738
COCH-ARM / FISHERS	P=0.634	P=0.753N	P=0.753N	P=0.753N
ORDER RESTRICTED	P=0.737N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.737N	(e)	(e)	(e)

TDMS No. 97008-05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006
 Time Report Requested: 14:05:13
 First Dose M/F: 10/01/01 / 10/01/01
 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	CONTROL	16 PPM	32 PPM	64 PPM

**Clitoral/Preputial Gland
 Adenoma**

TUMOR RATES

OVERALL (a)	4/50 (8%)	3/49 (6%)	6/49 (12%)	4/47 (9%)
POLY-3 RATE (b)	4/41.98	3/43.47	6/42.11	4/39.7
POLY-3 PERCENT (g)	9.5%	6.9%	14.3%	10.1%
TERMINAL (d)	2/29 (7%)	1/30 (3%)	5/27 (19%)	3/24 (13%)
FIRST INCIDENCE	673	695	676	674

STATISTICAL TESTS

LIFE TABLE	P=0.382	P=0.451N	P=0.349	P=0.574
POLY 3	P=0.435	P=0.481N	P=0.370	P=0.613
POLY 1.5	P=0.443	P=0.492N	P=0.366	P=0.614
POLY 6	P=0.416	P=0.469N	P=0.375	P=0.604
LOGISTIC REGRESSION	P=0.413	P=0.468N	P=0.380	P=0.598
COCH-ARM / FISHERS	P=0.445	P=0.511N	P=0.357	P=0.607
ORDER RESTRICTED	P=0.437	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.445	(e)	(e)	(e)

TDMS No. 97008-05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Reqsted: 08/09/2006
 Time Report Reqsted: 14:05:13
 First Dose M/F: 10/01/01 / 10/01/01
 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	CONTROL	16 PPM	32 PPM	64 PPM

**Clitoral/Preputial Gland
 Carcinoma or Adenoma**

TUMOR RATES

OVERALL (a)	4/50 (8%)	3/49 (6%)	6/49 (12%)	4/47 (9%)
POLY-3 RATE (b)	4/41.98	3/43.47	6/42.11	4/39.7
POLY-3 PERCENT (g)	9.5%	6.9%	14.3%	10.1%
TERMINAL (d)	2/29 (7%)	1/30 (3%)	5/27 (19%)	3/24 (13%)
FIRST INCIDENCE	673	695	676	674

STATISTICAL TESTS

LIFE TABLE	P=0.382	P=0.451N	P=0.349	P=0.574
POLY 3	P=0.435	P=0.481N	P=0.370	P=0.613
POLY 1.5	P=0.443	P=0.492N	P=0.366	P=0.614
POLY 6	P=0.416	P=0.469N	P=0.375	P=0.604
LOGISTIC REGRESSION	P=0.413	P=0.468N	P=0.380	P=0.598
COCH-ARM / FISHERS	P=0.445	P=0.511N	P=0.357	P=0.607
ORDER RESTRICTED	P=0.437	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.445	(e)	(e)	(e)

TDMS No. 97008-05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006
 Time Report Requested: 14:05:13
 First Dose M/F: 10/01/01 / 10/01/01
 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	CONTROL	16 PPM	32 PPM	64 PPM

**Clitoral/Preputial Gland
 Papilloma**

TUMOR RATES

OVERALL (a)	0/50 (0%)	5/49 (10%)	1/49 (2%)	1/47 (2%)
POLY-3 RATE (b)	0/41.7	5/43.49	1/41.99	1/39.49
POLY-3 PERCENT (g)	0%	11.5%	2.4%	2.5%
TERMINAL (d)	0/29 (0%)	4/30 (13%)	0/27 (0%)	1/24 (4%)
FIRST INCIDENCE	---	677	708	730 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.543N	P=0.039*	P=0.507	P=0.462
POLY 3	P=0.485N	P=0.034*	P=0.501	P=0.489
POLY 1.5	P=0.487N	P=0.032*	P=0.499	P=0.489
POLY 6	P=0.488N	P=0.036*	P=0.504	P=0.486
LOGISTIC REGRESSION	P=0.523N	P=0.039*	P=0.502	P=0.462
COCH-ARM / FISHERS	P=0.497N	P=0.027*	P=0.495	P=0.485
ORDER RESTRICTED	P=0.161	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.170	(e)	(e)	(e)

TDMS No. 97008-05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Reqsted: 08/09/2006
 Time Report Reqsted: 14:05:13
 First Dose M/F: 10/01/01 / 10/01/01
 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	CONTROL	16 PPM	32 PPM	64 PPM

**Islets, Pancreatic
 Adenoma**

TUMOR RATES

OVERALL (a)	1/50 (2%)	0/50 (0%)	2/50 (4%)	0/50 (0%)
POLY-3 RATE (b)	1/41.7	0/44.29	2/42.85	0/42.35
POLY-3 PERCENT (g)	2.4%	0%	4.7%	0%
TERMINAL (d)	1/29 (3%)	0/31 (0%)	1/27 (4%)	0/26 (0%)
FIRST INCIDENCE	730 (T)	---	726	---

STATISTICAL TESTS

LIFE TABLE	P=0.497N	P=0.487N	P=0.479	P=0.522N
POLY 3	P=0.467N	P=0.488N	P=0.509	P=0.497N
POLY 1.5	P=0.463N	P=0.492N	P=0.506	P=0.497N
POLY 6	P=0.475N	P=0.483N	P=0.514	P=0.499N
LOGISTIC REGRESSION	P=0.495N	(e)	P=0.501	(e)
COCH-ARM / FISHERS	P=0.461N	P=0.500N	P=0.500	P=0.500N
ORDER RESTRICTED	P=0.322N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.331N	(e)	(e)	(e)

TDMS No. 97008-05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006
 Time Report Requested: 14:05:13
 First Dose M/F: 10/01/01 / 10/01/01
 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	CONTROL	16 PPM	32 PPM	64 PPM

**Islets, Pancreatic
 Carcinoma**

TUMOR RATES

OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/41.7	0/44.29	0/42.83	0/42.35
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/29 (0%)	0/31 (0%)	0/27 (0%)	0/26 (0%)
FIRST INCIDENCE	---	---	---	---

STATISTICAL TESTS

LIFE TABLE	(e)	(e)	(e)	(e)
POLY 3	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)
LOGISTIC REGRESSION	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)
ORDER RESTRICTED	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)

TDMS No. 97008-05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006
 Time Report Requested: 14:05:13
 First Dose M/F: 10/01/01 / 10/01/01
 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	CONTROL	16 PPM	32 PPM	64 PPM

**Islets, Pancreatic
 Carcinoma or Adenoma**

TUMOR RATES

OVERALL (a)	1/50 (2%)	0/50 (0%)	2/50 (4%)	0/50 (0%)
POLY-3 RATE (b)	1/41.7	0/44.29	2/42.85	0/42.35
POLY-3 PERCENT (g)	2.4%	0%	4.7%	0%
TERMINAL (d)	1/29 (3%)	0/31 (0%)	1/27 (4%)	0/26 (0%)
FIRST INCIDENCE	730 (T)	---	726	---

STATISTICAL TESTS

LIFE TABLE	P=0.497N	P=0.487N	P=0.479	P=0.522N
POLY 3	P=0.467N	P=0.488N	P=0.509	P=0.497N
POLY 1.5	P=0.463N	P=0.492N	P=0.506	P=0.497N
POLY 6	P=0.475N	P=0.483N	P=0.514	P=0.499N
LOGISTIC REGRESSION	P=0.495N	(e)	P=0.501	(e)
COCH-ARM / FISHERS	P=0.461N	P=0.500N	P=0.500	P=0.500N
ORDER RESTRICTED	P=0.322N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.331N	(e)	(e)	(e)

TDMS No. 97008-05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Reqsted: 08/09/2006
 Time Report Reqsted: 14:05:13
 First Dose M/F: 10/01/01 / 10/01/01
 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	CONTROL	16 PPM	32 PPM	64 PPM

Lung
 Alveolar/Bronchiolar Adenoma

TUMOR RATES

OVERALL (a)	0/50 (0%)	1/50 (2%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	0/41.7	1/44.29	0/42.83	1/42.53
POLY-3 PERCENT (g)	0%	2.3%	0%	2.4%
TERMINAL (d)	0/29 (0%)	1/31 (3%)	0/27 (0%)	0/26 (0%)
FIRST INCIDENCE	---	730 (T)	---	684

STATISTICAL TESTS

LIFE TABLE	P=0.384	P=0.513	(e)	P=0.500
POLY 3	P=0.411	P=0.512	(e)	P=0.504
POLY 1.5	P=0.410	P=0.508	(e)	P=0.503
POLY 6	P=0.410	P=0.517	(e)	P=0.503
LOGISTIC REGRESSION	P=0.402	P=0.513	(e)	P=0.501
COCH-ARM / FISHERS	P=0.405	P=0.500	(e)	P=0.500
ORDER RESTRICTED	P=0.255	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.263	(e)	(e)	(e)

TDMS No. 97008-05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006
 Time Report Requested: 14:05:13
 First Dose M/F: 10/01/01 / 10/01/01
 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	CONTROL	16 PPM	32 PPM	64 PPM

Lung
 Alveolar/Bronchiolar Carcinoma or Alveolar/Bronchiolar Adenoma

TUMOR RATES

OVERALL (a)	1/50 (2%)	1/50 (2%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	1/41.7	1/44.29	0/42.83	1/42.53
POLY-3 PERCENT (g)	2.4%	2.3%	0%	2.4%
TERMINAL (d)	1/29 (3%)	1/31 (3%)	0/27 (0%)	0/26 (0%)
FIRST INCIDENCE	730 (T)	730 (T)	---	684

STATISTICAL TESTS

LIFE TABLE	P=0.645N	P=0.747N	P=0.514N	P=0.748
POLY 3	P=0.615N	P=0.747N	P=0.495N	P=0.757N
POLY 1.5	P=0.615N	P=0.752N	P=0.497N	P=0.757N
POLY 6	P=0.616N	P=0.742N	P=0.492N	P=0.758N
LOGISTIC REGRESSION	P=0.625N	P=0.747N	(e)	P=0.761N
COCH-ARM / FISHERS	P=0.616N	P=0.753N	P=0.500N	P=0.753N
ORDER RESTRICTED	P=0.528N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.535N	(e)	(e)	(e)

TDMS No. 97008-05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006
 Time Report Requested: 14:05:13
 First Dose M/F: 10/01/01 / 10/01/01
 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	CONTROL	16 PPM	32 PPM	64 PPM

**Mammary Gland
 Adenoma**

TUMOR RATES	#	#	#	#
OVERALL (a)	3/50 (6%)	1/50 (2%)	1/50 (2%)	1/50 (2%)
POLY-3 RATE (b)	3/42.47	1/44.29	1/42.9	1/42.35
POLY-3 PERCENT (g)	7.1%	2.3%	2.3%	2.4%
TERMINAL (d)	0/29 (0%)	1/31 (3%)	0/27 (0%)	1/26 (4%)
FIRST INCIDENCE	652	730 (T)	712	730 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.262N	P=0.282N	P=0.290N	P=0.311N
POLY 3	P=0.248N	P=0.290N	P=0.301N	P=0.306N
POLY 1.5	P=0.245N	P=0.295N	P=0.302N	P=0.303N
POLY 6	P=0.253N	P=0.287N	P=0.302N	P=0.315N
LOGISTIC REGRESSION	P=0.241N	P=0.314N	P=0.308N	P=0.306N
COCH-ARM / FISHERS	P=0.242N	P=0.309N	P=0.309N	P=0.309N
ORDER RESTRICTED	P=0.185N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.192N	(e)	(e)	(e)

TDMS No. 97008-05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Reqsted: 08/09/2006
 Time Report Reqsted: 14:05:13
 First Dose M/F: 10/01/01 / 10/01/01
 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	CONTROL	16 PPM	32 PPM	64 PPM

**Mammary Gland
 Carcinoma**

TUMOR RATES

	#	#	#	#
OVERALL (a)	7/50 (14%)	2/50 (4%)	4/50 (8%)	3/50 (6%)
POLY-3 RATE (b)	7/42.05	2/44.29	4/43.54	3/43.38
POLY-3 PERCENT (g)	16.7%	4.5%	9.2%	6.9%
TERMINAL (d)	5/29 (17%)	2/31 (7%)	1/27 (4%)	0/26 (0%)
FIRST INCIDENCE	680	730 (T)	598	516

STATISTICAL TESTS

LIFE TABLE	P=0.228N	P=0.063N	P=0.273N	P=0.187N
POLY 3	P=0.186N	P=0.066N	P=0.239N	P=0.143N
POLY 1.5	P=0.187N	P=0.071N	P=0.248N	P=0.147N
POLY 6	P=0.189N	P=0.061N	P=0.229N	P=0.142N
LOGISTIC REGRESSION	P=0.188N	P=0.057N	P=0.245N	P=0.155N
COCH-ARM / FISHERS	P=0.189N	P=0.080N	P=0.262N	P=0.159N
ORDER RESTRICTED	P=0.090N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.098N	(e)	(e)	(e)

TDMS No. 97008-05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Reqsted: 08/09/2006
 Time Report Reqsted: 14:05:13
 First Dose M/F: 10/01/01 / 10/01/01
 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	CONTROL	16 PPM	32 PPM	64 PPM

**Mammary Gland
 Carcinoma or Adenoma**

TUMOR RATES	#	#	#	#
OVERALL (a)	10/50 (20%)	3/50 (6%)	4/50 (8%)	4/50 (8%)
POLY-3 RATE (b)	10/42.81	3/44.29	4/43.54	4/43.38
POLY-3 PERCENT (g)	23.4%	6.8%	9.2%	9.2%
TERMINAL (d)	5/29 (17%)	3/31 (10%)	1/27 (4%)	1/26 (4%)
FIRST INCIDENCE	652	730 (T)	598	516

STATISTICAL TESTS

LIFE TABLE	P=0.114N	P=0.030N*	P=0.084N	P=0.098N
POLY 3	P=0.083N	P=0.028N*	P=0.065N	P=0.066N
POLY 1.5	P=0.083N	P=0.030N*	P=0.068N	P=0.067N
POLY 6	P=0.086N	P=0.027N*	P=0.063N	P=0.069N
LOGISTIC REGRESSION	P=0.085N	P=0.027N*	P=0.070N	P=0.073N
COCH-ARM / FISHERS	P=0.086N	P=0.036N*	P=0.074N	P=0.074N
ORDER RESTRICTED	P=0.021N*	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.024N*	(e)	(e)	(e)

TDMS No. 97008-05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Reqsted: 08/09/2006
 Time Report Reqsted: 14:05:13
 First Dose M/F: 10/01/01 / 10/01/01
 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	CONTROL	16 PPM	32 PPM	64 PPM
Mammary Gland Fibroadenoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	26/50 (52%)	22/50 (44%)	24/50 (48%)	26/50 (52%)
POLY-3 RATE (b)	26/45.42	22/46.71	24/45.29	26/44.68
POLY-3 PERCENT (g)	57.2%	47.1%	53%	58.2%
TERMINAL (d)	16/29 (55%)	14/31 (45%)	14/27 (52%)	15/26 (58%)
FIRST INCIDENCE	393	516	598	618
STATISTICAL TESTS				
LIFE TABLE	P=0.285	P=0.206N	P=0.475N	P=0.461
POLY 3	P=0.380	P=0.218N	P=0.421N	P=0.550
POLY 1.5	P=0.409	P=0.238N	P=0.423N	P=0.567
POLY 6	P=0.341	P=0.199N	P=0.412N	P=0.519
LOGISTIC REGRESSION	P=0.448	P=0.252N	P=0.393N	P=0.547N
COCH-ARM / FISHERS	P=0.443	P=0.274N	P=0.421N	P=0.579N
ORDER RESTRICTED	P=0.439	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.447	(e)	(e)	(e)

TDMS No. 97008-05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006
 Time Report Requested: 14:05:13
 First Dose M/F: 10/01/01 / 10/01/01
 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	CONTROL	16 PPM	32 PPM	64 PPM

**Mammary Gland
 Fibroma, Fibroadenoma or Adenoma**

TUMOR RATES	#	#	#	#
OVERALL (a)	28/50 (56%)	22/50 (44%)	25/50 (50%)	26/50 (52%)
POLY-3 RATE (b)	28/45.97	22/46.71	25/45.36	26/44.68
POLY-3 PERCENT (g)	60.9%	47.1%	55.1%	58.2%
TERMINAL (d)	16/29 (55%)	14/31 (45%)	14/27 (52%)	15/26 (58%)
FIRST INCIDENCE	393	516	598	618

STATISTICAL TESTS

LIFE TABLE	P=0.383	P=0.126N	P=0.407N	P=0.536N
POLY 3	P=0.490	P=0.125N	P=0.361N	P=0.480N
POLY 1.5	P=0.526	P=0.135N	P=0.355N	P=0.448N
POLY 6	P=0.436	P=0.120N	P=0.368N	P=0.537N
LOGISTIC REGRESSION	P=0.503N	P=0.147N	P=0.318N	P=0.386N
COCH-ARM / FISHERS	P=0.510N	P=0.159N	P=0.344N	P=0.421N
ORDER RESTRICTED	P=0.366N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.377N	(e)	(e)	(e)

TDMS No. 97008-05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006
 Time Report Requested: 14:05:13
 First Dose M/F: 10/01/01 / 10/01/01
 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	CONTROL	16 PPM	32 PPM	64 PPM

**Mammary Gland
 Fibroma, Fibroadenoma, Carcinoma, or Adenoma**

TUMOR RATES	#	#	#	#
OVERALL (a)	31/50 (62%)	23/50 (46%)	26/50 (52%)	27/50 (54%)
POLY-3 RATE (b)	31/46.16	23/46.71	26/45.55	27/45.32
POLY-3 PERCENT (g)	67.2%	49.2%	57.1%	59.6%
TERMINAL (d)	18/29 (62%)	15/31 (48%)	14/27 (52%)	15/26 (58%)
FIRST INCIDENCE	393	516	598	516

STATISTICAL TESTS

LIFE TABLE	P=0.490	P=0.068N	P=0.289N	P=0.411N
POLY 3	P=0.424N	P=0.056N	P=0.212N	P=0.290N
POLY 1.5	P=0.400N	P=0.062N	P=0.211N	P=0.275N
POLY 6	P=0.467N	P=0.054N	P=0.214N	P=0.331N
LOGISTIC REGRESSION	P=0.370N	P=0.066N	P=0.184N	P=0.242N
COCH-ARM / FISHERS	P=0.378N	P=0.080N	P=0.210N	P=0.272N
ORDER RESTRICTED	P=0.183N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.192N	(e)	(e)	(e)

TDMS No. 97008-05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006
 Time Report Requested: 14:05:13
 First Dose M/F: 10/01/01 / 10/01/01
 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	CONTROL	16 PPM	32 PPM	64 PPM

**Nose
 Adenoma**

TUMOR RATES

OVERALL (a)	0/49 (0%)	0/49 (0%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	0/41.2	0/43.44	1/42.83	0/42.35
POLY-3 PERCENT (g)	0%	0%	2.3%	0%
TERMINAL (d)	0/29 (0%)	0/31 (0%)	1/27 (4%)	0/26 (0%)
FIRST INCIDENCE	---	---	730 (T)	---

STATISTICAL TESTS

LIFE TABLE	P=0.678	(e)	P=0.486	(e)
POLY 3	P=0.693	(e)	P=0.508	(e)
POLY 1.5	P=0.697	(e)	P=0.506	(e)
POLY 6	P=0.684	(e)	P=0.509	(e)
LOGISTIC REGRESSION	(e)	(e)	P=0.486	(e)
COCH-ARM / FISHERS	P=0.697	(e)	P=0.505	(e)
ORDER RESTRICTED	P=0.388	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.395	(e)	(e)	(e)

TDMS No. 97008-05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006
 Time Report Requested: 14:05:13
 First Dose M/F: 10/01/01 / 10/01/01
 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	CONTROL	16 PPM	32 PPM	64 PPM

**Oral Cavity (Oral Mucosa, Tongue, Pharynx, Tooth, Gingiva)
 Papilloma Squamous or Papilloma**

TUMOR RATES	#	#	#	#
OVERALL (a)	0/50 (0%)	0/50 (0%)	1/50 (2%)	1/50 (2%)
POLY-3 RATE (b)	0/41.7	0/44.29	1/42.83	1/42.35
POLY-3 PERCENT (g)	0%	0%	2.3%	2.4%
TERMINAL (d)	0/29 (0%)	0/31 (0%)	1/27 (4%)	1/26 (4%)
FIRST INCIDENCE	---	---	730 (T)	730 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.209	(e)	P=0.486	P=0.478
POLY 3	P=0.234	(e)	P=0.505	P=0.503
POLY 1.5	P=0.236	(e)	P=0.503	P=0.503
POLY 6	P=0.228	(e)	P=0.508	P=0.501
LOGISTIC REGRESSION	(e)	(e)	P=0.486	P=0.478
COCH-ARM / FISHERS	P=0.236	(e)	P=0.500	P=0.500
ORDER RESTRICTED	P=0.254	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.261	(e)	(e)	(e)

TDMS No. 97008-05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006
 Time Report Requested: 14:05:13
 First Dose M/F: 10/01/01 / 10/01/01
 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	CONTROL	16 PPM	32 PPM	64 PPM

Oral Cavity (Oral Mucosa, Tongue, Pharynx, Tooth, Gingiva)
 Squamous Cell Carcinoma, Papilloma Squamous, or Papilloma

TUMOR RATES	#	#	#	#
OVERALL (a)	0/50 (0%)	0/50 (0%)	2/50 (4%)	2/50 (4%)
POLY-3 RATE (b)	0/41.7	0/44.29	2/43.43	2/42.53
POLY-3 PERCENT (g)	0%	0%	4.6%	4.7%
TERMINAL (d)	0/29 (0%)	0/31 (0%)	1/27 (4%)	1/26 (4%)
FIRST INCIDENCE	---	---	537	684

STATISTICAL TESTS

LIFE TABLE	P=0.075	(e)	P=0.237	P=0.228
POLY 3	P=0.085	(e)	P=0.246	P=0.241
POLY 1.5	P=0.086	(e)	P=0.243	P=0.241
POLY 6	P=0.081	(e)	P=0.250	P=0.239
LOGISTIC REGRESSION	P=0.085	(e)	P=0.222	P=0.239
COCH-ARM / FISHERS	P=0.086	(e)	P=0.247	P=0.247
ORDER RESTRICTED	P=0.119	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.127	(e)	(e)	(e)

TDMS No. 97008-05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Reqsted: 08/09/2006
 Time Report Reqsted: 14:05:13
 First Dose M/F: 10/01/01 / 10/01/01
 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	CONTROL	16 PPM	32 PPM	64 PPM

**Pancreas
 Mixed Tumor Benign**

TUMOR RATES

OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/41.7	0/44.29	0/42.83	0/42.35
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/29 (0%)	0/31 (0%)	0/27 (0%)	0/26 (0%)
FIRST INCIDENCE	---	---	---	---

STATISTICAL TESTS

LIFE TABLE	(e)	(e)	(e)	(e)
POLY 3	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)
LOGISTIC REGRESSION	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)
ORDER RESTRICTED	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)

TDMS No. 97008-05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006
 Time Report Requested: 14:05:13
 First Dose M/F: 10/01/01 / 10/01/01
 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	CONTROL	16 PPM	32 PPM	64 PPM

**Pituitary Gland: Pars Distalis or Unspecified Site
 Adenoma**

TUMOR RATES

OVERALL (a)	30/50 (60%)	32/50 (64%)	31/50 (62%)	29/50 (58%)
POLY-3 RATE (b)	30/45.93	32/47.27	31/46.6	29/45.94
POLY-3 PERCENT (g)	65.3%	67.7%	66.5%	63.1%
TERMINAL (d)	18/29 (62%)	21/31 (68%)	18/27 (67%)	16/26 (62%)
FIRST INCIDENCE	513	516	509	617

STATISTICAL TESTS

LIFE TABLE	P=0.439	P=0.537N	P=0.456	P=0.519
POLY 3	P=0.416N	P=0.490	P=0.540	P=0.499N
POLY 1.5	P=0.406N	P=0.467	P=0.524	P=0.493N
POLY 6	P=0.436N	P=0.508	P=0.558	P=0.518N
LOGISTIC REGRESSION	P=0.392N	P=0.494	P=0.530	P=0.467N
COCH-ARM / FISHERS	P=0.403N	P=0.418	P=0.500	P=0.500N
ORDER RESTRICTED	P=0.568N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.572N	(e)	(e)	(e)

TDMS No. 97008-05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Reqsted: 08/09/2006
 Time Report Reqsted: 14:05:13
 First Dose M/F: 10/01/01 / 10/01/01
 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	CONTROL	16 PPM	32 PPM	64 PPM

**Skin
 Basal Cell Adenoma**

TUMOR RATES	#	#	#	#
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/41.7	0/44.29	0/42.83	0/42.35
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/29 (0%)	0/31 (0%)	0/27 (0%)	0/26 (0%)
FIRST INCIDENCE	---	---	---	---

STATISTICAL TESTS

LIFE TABLE	(e)	(e)	(e)	(e)
POLY 3	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)
LOGISTIC REGRESSION	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)
ORDER RESTRICTED	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)

TDMS No. 97008-05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006
 Time Report Requested: 14:05:13
 First Dose M/F: 10/01/01 / 10/01/01
 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	CONTROL	16 PPM	32 PPM	64 PPM

**Skin
 Basal Cell Adenoma, Basosquamous Tumor Benign, or Trichoepithelioma**

TUMOR RATES	#	#	#	#
OVERALL (a)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	1/41.92	0/44.29	0/42.83	0/42.35
POLY-3 PERCENT (g)	2.4%	0%	0%	0%
TERMINAL (d)	0/29 (0%)	0/31 (0%)	0/27 (0%)	0/26 (0%)
FIRST INCIDENCE	673	---	---	---

STATISTICAL TESTS

LIFE TABLE	P=0.304N	P=0.478N	P=0.489N	P=0.494N
POLY 3	P=0.311N	P=0.489N	P=0.496N	P=0.498N
POLY 1.5	P=0.310N	P=0.493N	P=0.497N	P=0.498N
POLY 6	P=0.311N	P=0.485N	P=0.494N	P=0.501N
LOGISTIC REGRESSION	P=0.308N	P=0.511N	P=0.502N	P=0.503N
COCH-ARM / FISHERS	P=0.306N	P=0.500N	P=0.500N	P=0.500N
ORDER RESTRICTED	P=0.118N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.124N	(e)	(e)	(e)

TDMS No. 97008-05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Reqsted: 08/09/2006
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 First Dose M/F: 10/01/01 / 10/01/01
 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	CONTROL	16 PPM	32 PPM	64 PPM

Skin
 Basal Cell Carcinoma, Basal Cell Adenoma, Basosquamous Tumor (benign, malignant or NOS), or Trichoepithelioma

TUMOR RATES	#	#	#	#
OVERALL (a)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	1/41.92	0/44.29	0/42.83	0/42.35
POLY-3 PERCENT (g)	2.4%	0%	0%	0%
TERMINAL (d)	0/29 (0%)	0/31 (0%)	0/27 (0%)	0/26 (0%)
FIRST INCIDENCE	673	---	---	---

STATISTICAL TESTS

LIFE TABLE	P=0.304N	P=0.478N	P=0.489N	P=0.494N
POLY 3	P=0.311N	P=0.489N	P=0.496N	P=0.498N
POLY 1.5	P=0.310N	P=0.493N	P=0.497N	P=0.498N
POLY 6	P=0.311N	P=0.485N	P=0.494N	P=0.501N
LOGISTIC REGRESSION	P=0.308N	P=0.511N	P=0.502N	P=0.503N
COCH-ARM / FISHERS	P=0.306N	P=0.500N	P=0.500N	P=0.500N
ORDER RESTRICTED	P=0.118N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.124N	(e)	(e)	(e)

TDMS No. 97008-05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Reqsted: 08/09/2006
 Time Report Reqsted: 14:05:13
 First Dose M/F: 10/01/01 / 10/01/01
 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	CONTROL	16 PPM	32 PPM	64 PPM

Skin
 Basal or Sq. Cell Carcinoma, Carcinoma, Basosq. Tumor (M or B), Basal Cell Adenoma, Adenoma, Papilloma, Sq Papilloma, Keratoacanthoma, Trichoepithelioma

TUMOR RATES	#	#	#	#
OVERALL (a)	1/50 (2%)	1/50 (2%)	0/50 (0%)	2/50 (4%)
POLY-3 RATE (b)	1/41.92	1/44.34	0/42.83	2/42.95
POLY-3 PERCENT (g)	2.4%	2.3%	0%	4.7%
TERMINAL (d)	0/29 (0%)	0/31 (0%)	0/27 (0%)	0/26 (0%)
FIRST INCIDENCE	673	719	---	633

STATISTICAL TESTS

LIFE TABLE	P=0.354	P=0.734N	P=0.489N	P=0.507
POLY 3	P=0.368	P=0.748N	P=0.496N	P=0.509
POLY 1.5	P=0.368	P=0.753N	P=0.497N	P=0.506
POLY 6	P=0.365	P=0.744N	P=0.494N	P=0.507
LOGISTIC REGRESSION	P=0.363	P=0.757N	P=0.502N	P=0.482
COCH-ARM / FISHERS	P=0.366	P=0.753N	P=0.500N	P=0.500
ORDER RESTRICTED	P=0.276	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.285	(e)	(e)	(e)

TDMS No. 97008-05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Reqsted: 08/09/2006
 Time Report Reqsted: 14:05:13
 First Dose M/F: 10/01/01 / 10/01/01
 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	CONTROL	16 PPM	32 PPM	64 PPM
Skin Fibroma				
TUMOR RATES	#	#	#	#
OVERALL (a)	1/50 (2%)	0/50 (0%)	1/50 (2%)	2/50 (4%)
POLY-3 RATE (b)	1/41.7	0/44.29	1/42.87	2/42.49
POLY-3 PERCENT (g)	2.4%	0%	2.3%	4.7%
TERMINAL (d)	1/29 (3%)	0/31 (0%)	0/27 (0%)	1/26 (4%)
FIRST INCIDENCE	730 (T)	---	721	695
STATISTICAL TESTS				
LIFE TABLE	P=0.214	P=0.487N	P=0.752	P=0.471
POLY 3	P=0.243	P=0.488N	P=0.755N	P=0.507
POLY 1.5	P=0.246	P=0.492N	P=0.757N	P=0.505
POLY 6	P=0.238	P=0.483N	P=0.752N	P=0.504
LOGISTIC REGRESSION	P=0.231	(e)	P=0.756N	P=0.493
COCH-ARM / FISHERS	P=0.247	P=0.500N	P=0.753N	P=0.500
ORDER RESTRICTED	P=0.226	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.235	(e)	(e)	(e)

TDMS No. 97008-05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Reqsted: 08/09/2006
 Time Report Reqsted: 14:05:13
 First Dose M/F: 10/01/01 / 10/01/01
 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	CONTROL	16 PPM	32 PPM	64 PPM

Skin
 Fibroma, Fibrosarcoma, Sarcoma, Myxoma, Myxosarcoma, or Fibrous Histiocytoma

TUMOR RATES	#	#	#	#
OVERALL (a)	2/50 (4%)	0/50 (0%)	2/50 (4%)	2/50 (4%)
POLY-3 RATE (b)	2/42.04	0/44.29	2/43.04	2/42.49
POLY-3 PERCENT (g)	4.8%	0%	4.7%	4.7%
TERMINAL (d)	1/29 (3%)	0/31 (0%)	0/27 (0%)	1/26 (4%)
FIRST INCIDENCE	635	---	686	695

STATISTICAL TESTS

LIFE TABLE	P=0.405	P=0.227N	P=0.688N	P=0.667
POLY 3	P=0.436	P=0.225N	P=0.686N	P=0.691N
POLY 1.5	P=0.441	P=0.230N	P=0.689N	P=0.690N
POLY 6	P=0.426	P=0.221N	P=0.683N	P=0.694
LOGISTIC REGRESSION	P=0.443	P=0.239N	P=0.690N	P=0.691N
COCH-ARM / FISHERS	P=0.444	P=0.247N	P=0.691N	P=0.691N
ORDER RESTRICTED	P=0.439	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.445	(e)	(e)	(e)

TDMS No. 97008-05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Reqsted: 08/09/2006
 Time Report Reqsted: 14:05:13
 First Dose M/F: 10/01/01 / 10/01/01
 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	CONTROL	16 PPM	32 PPM	64 PPM
Skin				
Fibrosarcoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	1/42.04	0/44.29	0/42.83	0/42.35
POLY-3 PERCENT (g)	2.4%	0%	0%	0%
TERMINAL (d)	0/29 (0%)	0/31 (0%)	0/27 (0%)	0/26 (0%)
FIRST INCIDENCE	635	---	---	---
STATISTICAL TESTS				
LIFE TABLE	P=0.309N	P=0.490N	P=0.495N	P=0.505N
POLY 3	P=0.311N	P=0.490N	P=0.496N	P=0.499N
POLY 1.5	P=0.310N	P=0.493N	P=0.498N	P=0.498N
POLY 6	P=0.310N	P=0.486N	P=0.495N	P=0.502N
LOGISTIC REGRESSION	P=0.318N	P=0.547N	P=0.513N	P=0.524N
COCH-ARM / FISHERS	P=0.306N	P=0.500N	P=0.500N	P=0.500N
ORDER RESTRICTED	P=0.119N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.124N	(e)	(e)	(e)

TDMS No. 97008-05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

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**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	CONTROL	16 PPM	32 PPM	64 PPM

**Skin
 Fibrosarcoma, Sarcoma, Myxosarcoma, or Fibrous Histiocytoma**

TUMOR RATES	#	#	#	#
OVERALL (a)	1/50 (2%)	0/50 (0%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	1/42.04	0/44.29	1/43	0/42.35
POLY-3 PERCENT (g)	2.4%	0%	2.3%	0%
TERMINAL (d)	0/29 (0%)	0/31 (0%)	0/27 (0%)	0/26 (0%)
FIRST INCIDENCE	635	---	686	---

STATISTICAL TESTS

LIFE TABLE	P=0.416N	P=0.490N	P=0.748N	P=0.505N
POLY 3	P=0.412N	P=0.490N	P=0.756N	P=0.499N
POLY 1.5	P=0.409N	P=0.493N	P=0.758N	P=0.498N
POLY 6	P=0.417N	P=0.486N	P=0.754N	P=0.502N
LOGISTIC REGRESSION	P=0.412N	P=0.547N	P=0.757	P=0.524N
COCH-ARM / FISHERS	P=0.405N	P=0.500N	P=0.753N	P=0.500N
ORDER RESTRICTED	P=0.250N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.256N	(e)	(e)	(e)

TDMS No. 97008-05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

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**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	CONTROL	16 PPM	32 PPM	64 PPM

**Skin
 Keratoacanthoma**

TUMOR RATES	#	#	#	#
OVERALL (a)	0/50 (0%)	1/50 (2%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	0/41.7	1/44.34	0/42.83	1/42.7
POLY-3 PERCENT (g)	0%	2.3%	0%	2.3%
TERMINAL (d)	0/29 (0%)	0/31 (0%)	0/27 (0%)	0/26 (0%)
FIRST INCIDENCE	---	719	---	633

STATISTICAL TESTS

LIFE TABLE	P=0.385	P=0.526	(e)	P=0.495
POLY 3	P=0.412	P=0.512	(e)	P=0.505
POLY 1.5	P=0.411	P=0.508	(e)	P=0.504
POLY 6	P=0.412	P=0.517	(e)	P=0.504
LOGISTIC REGRESSION	P=0.404	P=0.520	(e)	P=0.475
COCH-ARM / FISHERS	P=0.405	P=0.500	(e)	P=0.500
ORDER RESTRICTED	P=0.255	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.264	(e)	(e)	(e)

TDMS No. 97008-05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

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**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	CONTROL	16 PPM	32 PPM	64 PPM
Skin				
Lipoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/41.7	0/44.29	0/42.83	0/42.35
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/29 (0%)	0/31 (0%)	0/27 (0%)	0/26 (0%)
FIRST INCIDENCE	---	---	---	---
STATISTICAL TESTS				
LIFE TABLE	(e)	(e)	(e)	(e)
POLY 3	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)
LOGISTIC REGRESSION	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)
ORDER RESTRICTED	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)

TDMS No. 97008-05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Reqsted: 08/09/2006
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 First Dose M/F: 10/01/01 / 10/01/01
 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	CONTROL	16 PPM	32 PPM	64 PPM

**Skin
 Squamous Cell Papilloma**

TUMOR RATES	#	#	#	#
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	0/41.7	0/44.29	0/42.83	1/42.6
POLY-3 PERCENT (g)	0%	0%	0%	2.4%
TERMINAL (d)	0/29 (0%)	0/31 (0%)	0/27 (0%)	0/26 (0%)
FIRST INCIDENCE	---	---	---	662

STATISTICAL TESTS

LIFE TABLE	P=0.199	(e)	(e)	P=0.511
POLY 3	P=0.198	(e)	(e)	P=0.504
POLY 1.5	P=0.199	(e)	(e)	P=0.503
POLY 6	P=0.196	(e)	(e)	P=0.503
LOGISTIC REGRESSION	P=0.196	(e)	(e)	P=0.492
COCH-ARM / FISHERS	P=0.198	(e)	(e)	P=0.500
ORDER RESTRICTED	P=0.124	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.132	(e)	(e)	(e)

TDMS No. 97008-05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006
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 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	CONTROL	16 PPM	32 PPM	64 PPM

**Skin
 Squamous Cell Papilloma, Papilloma, Squamous Cell Carcinoma or Keratoacanthoma**

TUMOR RATES	#	#	#	#
OVERALL (a)	0/50 (0%)	1/50 (2%)	0/50 (0%)	2/50 (4%)
POLY-3 RATE (b)	0/41.7	1/44.34	0/42.83	2/42.95
POLY-3 PERCENT (g)	0%	2.3%	0%	4.7%
TERMINAL (d)	0/29 (0%)	0/31 (0%)	0/27 (0%)	0/26 (0%)
FIRST INCIDENCE	---	719	---	633

STATISTICAL TESTS

LIFE TABLE	P=0.130	P=0.526	(e)	P=0.243
POLY 3	P=0.143	P=0.512	(e)	P=0.243
POLY 1.5	P=0.142	P=0.508	(e)	P=0.242
POLY 6	P=0.143	P=0.517	(e)	P=0.244
LOGISTIC REGRESSION	P=0.138	P=0.520	(e)	P=0.218
COCH-ARM / FISHERS	P=0.140	P=0.500	(e)	P=0.247
ORDER RESTRICTED	P=0.078	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.086	(e)	(e)	(e)

TDMS No. 97008-05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006
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 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	CONTROL	16 PPM	32 PPM	64 PPM

**Skin
 Squamous Cell Papilloma, Papilloma, or Keratoacanthoma**

TUMOR RATES	#	#	#	#
OVERALL (a)	0/50 (0%)	1/50 (2%)	0/50 (0%)	2/50 (4%)
POLY-3 RATE (b)	0/41.7	1/44.34	0/42.83	2/42.95
POLY-3 PERCENT (g)	0%	2.3%	0%	4.7%
TERMINAL (d)	0/29 (0%)	0/31 (0%)	0/27 (0%)	0/26 (0%)
FIRST INCIDENCE	---	719	---	633

STATISTICAL TESTS

LIFE TABLE	P=0.130	P=0.526	(e)	P=0.243
POLY 3	P=0.143	P=0.512	(e)	P=0.243
POLY 1.5	P=0.142	P=0.508	(e)	P=0.242
POLY 6	P=0.143	P=0.517	(e)	P=0.244
LOGISTIC REGRESSION	P=0.138	P=0.520	(e)	P=0.218
COCH-ARM / FISHERS	P=0.140	P=0.500	(e)	P=0.247
ORDER RESTRICTED	P=0.078	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.086	(e)	(e)	(e)

TDMS No. 97008-05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006
 Time Report Requested: 14:05:13
 First Dose M/F: 10/01/01 / 10/01/01
 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	CONTROL	16 PPM	32 PPM	64 PPM

**Thyroid Gland: C-Cell
 Adenoma**

TUMOR RATES

OVERALL (a)	3/50 (6%)	9/50 (18%)	2/50 (4%)	6/50 (12%)
POLY-3 RATE (b)	3/41.7	9/44.8	2/42.96	6/42.84
POLY-3 PERCENT (g)	7.2%	20.1%	4.7%	14%
TERMINAL (d)	3/29 (10%)	7/31 (23%)	1/27 (4%)	3/26 (12%)
FIRST INCIDENCE	730 (T)	627	696	681

STATISTICAL TESTS

LIFE TABLE	P=0.359	P=0.081	P=0.515N	P=0.214
POLY 3	P=0.453	P=0.075	P=0.486N	P=0.254
POLY 1.5	P=0.449	P=0.069	P=0.492N	P=0.251
POLY 6	P=0.453	P=0.083	P=0.480N	P=0.253
LOGISTIC REGRESSION	P=0.415	P=0.083	P=0.482N	P=0.234
COCH-ARM / FISHERS	P=0.437	P=0.061	P=0.500N	P=0.243
ORDER RESTRICTED	P=0.259	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.269	(e)	(e)	(e)

TDMS No. 97008-05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006
 Time Report Requested: 14:05:13
 First Dose M/F: 10/01/01 / 10/01/01
 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	CONTROL	16 PPM	32 PPM	64 PPM

**Thyroid Gland: C-Cell
 Carcinoma**

TUMOR RATES

OVERALL (a)	2/50 (4%)	1/50 (2%)	2/50 (4%)	1/50 (2%)
POLY-3 RATE (b)	2/42.05	1/44.39	2/43.09	1/42.35
POLY-3 PERCENT (g)	4.8%	2.3%	4.6%	2.4%
TERMINAL (d)	1/29 (3%)	0/31 (0%)	0/27 (0%)	1/26 (4%)
FIRST INCIDENCE	633	705	682	730 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.484N	P=0.472N	P=0.685N	P=0.528N
POLY 3	P=0.451N	P=0.481N	P=0.686N	P=0.498N
POLY 1.5	P=0.447N	P=0.488N	P=0.689N	P=0.497N
POLY 6	P=0.459N	P=0.474N	P=0.682N	P=0.504N
LOGISTIC REGRESSION	P=0.444N	P=0.497N	P=0.692N	P=0.496N
COCH-ARM / FISHERS	P=0.444N	P=0.500N	P=0.691N	P=0.500N
ORDER RESTRICTED	P=0.440N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.446N	(e)	(e)	(e)

TDMS No. 97008-05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Reqsted: 08/09/2006
 Time Report Reqsted: 14:05:13
 First Dose M/F: 10/01/01 / 10/01/01
 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	CONTROL	16 PPM	32 PPM	64 PPM

**Thyroid Gland: C-Cell
 Carcinoma or Adenoma**

TUMOR RATES

OVERALL (a)	5/50 (10%)	10/50 (20%)	4/50 (8%)	6/50 (12%)
POLY-3 RATE (b)	5/42.05	10/44.9	4/43.22	6/42.84
POLY-3 PERCENT (g)	11.9%	22.3%	9.3%	14%
TERMINAL (d)	4/29 (14%)	7/31 (23%)	1/27 (4%)	3/26 (12%)
FIRST INCIDENCE	633	627	682	681

STATISTICAL TESTS

LIFE TABLE	P=0.544N	P=0.173	P=0.506N	P=0.454
POLY 3	P=0.447N	P=0.158	P=0.483N	P=0.513
POLY 1.5	P=0.448N	P=0.147	P=0.490N	P=0.511
POLY 6	P=0.453N	P=0.172	P=0.474N	P=0.510
LOGISTIC REGRESSION	P=0.469N	P=0.167	P=0.480N	P=0.503
COCH-ARM / FISHERS	P=0.457N	P=0.131	P=0.500N	P=0.500
ORDER RESTRICTED	P=0.366N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.375N	(e)	(e)	(e)

TDMS No. 97008-05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Reqsted: 08/09/2006
 Time Report Reqsted: 14:05:13
 First Dose M/F: 10/01/01 / 10/01/01
 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	CONTROL	16 PPM	32 PPM	64 PPM

**Thyroid Gland: Follicular Cell
 Adenoma**

TUMOR RATES

OVERALL (a)	0/50 (0%)	2/50 (4%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/41.7	2/44.29	0/42.83	0/42.35
POLY-3 PERCENT (g)	0%	4.5%	0%	0%
TERMINAL (d)	0/29 (0%)	2/31 (7%)	0/27 (0%)	0/26 (0%)
FIRST INCIDENCE	---	730 (T)	---	---

STATISTICAL TESTS

LIFE TABLE	P=0.433N	P=0.253	(e)	(e)
POLY 3	P=0.392N	P=0.251	(e)	(e)
POLY 1.5	P=0.396N	P=0.246	(e)	(e)
POLY 6	P=0.390N	P=0.256	(e)	(e)
LOGISTIC REGRESSION	(e)	P=0.253	(e)	(e)
COCH-ARM / FISHERS	P=0.405N	P=0.247	(e)	(e)
ORDER RESTRICTED	P=0.256N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.263N	(e)	(e)	(e)

TDMS No. 97008-05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Reqsted: 08/09/2006
 Time Report Reqsted: 14:05:13
 First Dose M/F: 10/01/01 / 10/01/01
 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	CONTROL	16 PPM	32 PPM	64 PPM

**Thyroid Gland: Follicular Cell
 Carcinoma**

TUMOR RATES

OVERALL (a)	0/50 (0%)	1/50 (2%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	0/41.7	1/44.29	0/42.83	1/42.98
POLY-3 PERCENT (g)	0%	2.3%	0%	2.3%
TERMINAL (d)	0/29 (0%)	1/31 (3%)	0/27 (0%)	0/26 (0%)
FIRST INCIDENCE	---	730 (T)	---	522

STATISTICAL TESTS

LIFE TABLE	P=0.391	P=0.513	(e)	P=0.504
POLY 3	P=0.414	P=0.512	(e)	P=0.506
POLY 1.5	P=0.412	P=0.508	(e)	P=0.504
POLY 6	P=0.414	P=0.517	(e)	P=0.506
LOGISTIC REGRESSION	P=0.381	P=0.513	(e)	P=0.342
COCH-ARM / FISHERS	P=0.405	P=0.500	(e)	P=0.500
ORDER RESTRICTED	P=0.257	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.267	(e)	(e)	(e)

TDMS No. 97008-05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006
 Time Report Requested: 14:05:13
 First Dose M/F: 10/01/01 / 10/01/01
 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	CONTROL	16 PPM	32 PPM	64 PPM

**Thyroid Gland: Follicular Cell
 Carcinoma or Adenoma**

TUMOR RATES

OVERALL (a)	0/50 (0%)	3/50 (6%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	0/41.7	3/44.29	0/42.83	1/42.98
POLY-3 PERCENT (g)	0%	6.8%	0%	2.3%
TERMINAL (d)	0/29 (0%)	3/31 (10%)	0/27 (0%)	0/26 (0%)
FIRST INCIDENCE	---	730 (T)	---	522

STATISTICAL TESTS

LIFE TABLE	P=0.605	P=0.132	(e)	P=0.504
POLY 3	P=0.619N	P=0.129	(e)	P=0.506
POLY 1.5	P=0.624N	P=0.126	(e)	P=0.504
POLY 6	P=0.617N	P=0.134	(e)	P=0.506
LOGISTIC REGRESSION	P=0.632	P=0.132	(e)	P=0.342
COCH-ARM / FISHERS	P=0.634	P=0.121	(e)	P=0.500
ORDER RESTRICTED	P=0.277	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.288	(e)	(e)	(e)

TDMS No. 97008-05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Reqsted: 08/09/2006
 Time Report Reqsted: 14:05:13
 First Dose M/F: 10/01/01 / 10/01/01
 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	CONTROL	16 PPM	32 PPM	64 PPM
Uterus Carcinoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	2/50 (4%)
POLY-3 RATE (b)	0/41.7	0/44.29	0/42.83	2/42.6
POLY-3 PERCENT (g)	0%	0%	0%	4.7%
TERMINAL (d)	0/29 (0%)	0/31 (0%)	0/27 (0%)	1/26 (4%)
FIRST INCIDENCE	---	---	---	663
STATISTICAL TESTS				
LIFE TABLE	P=0.041*	(e)	(e)	P=0.234
POLY 3	P=0.045*	(e)	(e)	P=0.242
POLY 1.5	P=0.045*	(e)	(e)	P=0.241
POLY 6	P=0.044*	(e)	(e)	P=0.240
LOGISTIC REGRESSION	P=0.046*	(e)	(e)	P=0.240
COCH-ARM / FISHERS	P=0.046*	(e)	(e)	P=0.247
ORDER RESTRICTED	P=0.031*	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.036*	(e)	(e)	(e)

TDMS No. 97008-05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Reqsted: 08/09/2006
 Time Report Reqsted: 14:05:13
 First Dose M/F: 10/01/01 / 10/01/01
 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	CONTROL	16 PPM	32 PPM	64 PPM
Uterus				
Polyp Stromal				
TUMOR RATES	#	#	#	#
OVERALL (a)	12/50 (24%)	8/50 (16%)	9/50 (18%)	8/50 (16%)
POLY-3 RATE (b)	12/42.89	8/45.89	9/44.13	8/43.32
POLY-3 PERCENT (g)	28%	17.4%	20.4%	18.5%
TERMINAL (d)	9/29 (31%)	3/31 (10%)	4/27 (15%)	4/26 (15%)
FIRST INCIDENCE	581	575	509	620
STATISTICAL TESTS				
LIFE TABLE	P=0.320N	P=0.191N	P=0.346N	P=0.280N
POLY 3	P=0.248N	P=0.174N	P=0.281N	P=0.213N
POLY 1.5	P=0.242N	P=0.194N	P=0.293N	P=0.215N
POLY 6	P=0.263N	P=0.152N	P=0.270N	P=0.217N
LOGISTIC REGRESSION	P=0.238N	P=0.217N	P=0.296N	P=0.215N
COCH-ARM / FISHERS	P=0.239N	P=0.227N	P=0.312N	P=0.227N
ORDER RESTRICTED	P=0.222N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.229N	(e)	(e)	(e)

TDMS No. 97008-05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Reqsted: 08/09/2006
 Time Report Reqsted: 14:05:13
 First Dose M/F: 10/01/01 / 10/01/01
 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	CONTROL	16 PPM	32 PPM	64 PPM
Uterus				
Sarcoma Stromal				
TUMOR RATES	#	#	#	#
OVERALL (a)	0/50 (0%)	2/50 (4%)	1/50 (2%)	1/50 (2%)
POLY-3 RATE (b)	0/41.7	2/44.99	1/43.63	1/42.35
POLY-3 PERCENT (g)	0%	4.5%	2.3%	2.4%
TERMINAL (d)	0/29 (0%)	0/31 (0%)	0/27 (0%)	1/26 (4%)
FIRST INCIDENCE	---	556	430	730 (T)
STATISTICAL TESTS				
LIFE TABLE	P=0.487	P=0.270	P=0.508	P=0.478
POLY 3	P=0.507	P=0.254	P=0.509	P=0.503
POLY 1.5	P=0.507	P=0.248	P=0.506	P=0.503
POLY 6	P=0.502	P=0.262	P=0.512	P=0.501
LOGISTIC REGRESSION	P=0.442	P=0.168	P=0.358	P=0.478
COCH-ARM / FISHERS	P=0.500	P=0.247	P=0.500	P=0.500
ORDER RESTRICTED	P=0.286	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.294	(e)	(e)	(e)

TDMS No. 97008-05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006
 Time Report Requested: 14:05:13
 First Dose M/F: 10/01/01 / 10/01/01
 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	CONTROL	16 PPM	32 PPM	64 PPM
Uterus				
Sarcoma Stromal or Polyp Stromal				
TUMOR RATES	#	#	#	#
OVERALL (a)	12/50 (24%)	10/50 (20%)	10/50 (20%)	9/50 (18%)
POLY-3 RATE (b)	12/42.89	10/46.59	10/44.92	9/43.32
POLY-3 PERCENT (g)	28%	21.5%	22.3%	20.8%
TERMINAL (d)	9/29 (31%)	3/31 (10%)	4/27 (15%)	5/26 (19%)
FIRST INCIDENCE	581	556	430	620
STATISTICAL TESTS				
LIFE TABLE	P=0.374N	P=0.341N	P=0.436N	P=0.374N
POLY 3	P=0.299N	P=0.319N	P=0.355N	P=0.297N
POLY 1.5	P=0.290N	P=0.353N	P=0.373N	P=0.300N
POLY 6	P=0.320N	P=0.281N	P=0.337N	P=0.304N
LOGISTIC REGRESSION	P=0.289N	P=0.415N	P=0.403N	P=0.298N
COCH-ARM / FISHERS	P=0.287N	P=0.405N	P=0.405N	P=0.312N
ORDER RESTRICTED	P=0.344N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.352N	(e)	(e)	(e)

TDMS No. 97008-05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Reqsted: 08/09/2006
 Time Report Reqsted: 14:05:13
 First Dose M/F: 10/01/01 / 10/01/01
 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	CONTROL	16 PPM	32 PPM	64 PPM

**Zymbal's Gland
 Carcinoma**

TUMOR RATES	#	#	#	#
OVERALL (a)	0/50 (0%)	0/50 (0%)	2/50 (4%)	1/50 (2%)
POLY-3 RATE (b)	0/41.7	0/44.29	2/43.42	1/42.71
POLY-3 PERCENT (g)	0%	0%	4.6%	2.3%
TERMINAL (d)	0/29 (0%)	0/31 (0%)	0/27 (0%)	0/26 (0%)
FIRST INCIDENCE	---	---	633	628

STATISTICAL TESTS

LIFE TABLE	P=0.241	(e)	P=0.254	P=0.500
POLY 3	P=0.246	(e)	P=0.246	P=0.505
POLY 1.5	P=0.247	(e)	P=0.242	P=0.504
POLY 6	P=0.240	(e)	P=0.251	P=0.504
LOGISTIC REGRESSION	P=0.232	(e)	P=0.227	P=0.471
COCH-ARM / FISHERS	P=0.246	(e)	P=0.247	P=0.500
ORDER RESTRICTED	P=0.174	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.186	(e)	(e)	(e)

TDMS No. 97008-05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006
 Time Report Requested: 14:05:13
 First Dose M/F: 10/01/01 / 10/01/01
 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	CONTROL	16 PPM	32 PPM	64 PPM
Zymbal's Gland Carcinoma or Adenoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	0/50 (0%)	0/50 (0%)	2/50 (4%)	1/50 (2%)
POLY-3 RATE (b)	0/41.7	0/44.29	2/43.42	1/42.71
POLY-3 PERCENT (g)	0%	0%	4.6%	2.3%
TERMINAL (d)	0/29 (0%)	0/31 (0%)	0/27 (0%)	0/26 (0%)
FIRST INCIDENCE	---	---	633	628
STATISTICAL TESTS				
LIFE TABLE	P=0.241	(e)	P=0.254	P=0.500
POLY 3	P=0.246	(e)	P=0.246	P=0.505
POLY 1.5	P=0.247	(e)	P=0.242	P=0.504
POLY 6	P=0.240	(e)	P=0.251	P=0.504
LOGISTIC REGRESSION	P=0.232	(e)	P=0.227	P=0.471
COCH-ARM / FISHERS	P=0.246	(e)	P=0.247	P=0.500
ORDER RESTRICTED	P=0.174	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.186	(e)	(e)	(e)

TDMS No. 97008-05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Reqsted: 08/09/2006
 Time Report Reqsted: 14:05:13
 First Dose M/F: 10/01/01 / 10/01/01
 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	CONTROL	16 PPM	32 PPM	64 PPM

**All Organs
 Hemangiosarcoma**

TUMOR RATES	#	#	#	#
OVERALL (a)	2/50 (4%)	0/50 (0%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	2/41.89	0/44.29	0/42.83	1/42.35
POLY-3 PERCENT (g)	4.8%	0%	0%	2.4%
TERMINAL (d)	1/29 (3%)	0/31 (0%)	0/27 (0%)	1/26 (4%)
FIRST INCIDENCE	680	---	---	730 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.483N	P=0.217N	P=0.238N	P=0.518N
POLY 3	P=0.470N	P=0.225N	P=0.232N	P=0.496N
POLY 1.5	P=0.466N	P=0.229N	P=0.234N	P=0.496N
POLY 6	P=0.472N	P=0.220N	P=0.230N	P=0.501N
LOGISTIC REGRESSION	P=0.467N	P=0.224N	P=0.231N	P=0.502N
COCH-ARM / FISHERS	P=0.461N	P=0.247N	P=0.247N	P=0.500N
ORDER RESTRICTED	P=0.127N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.133N	(e)	(e)	(e)

TDMS No. 97008-05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Reqsted: 08/09/2006
 Time Report Reqsted: 14:05:13
 First Dose M/F: 10/01/01 / 10/01/01
 Lab: BNW

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	CONTROL	16 PPM	32 PPM	64 PPM

**All Organs
 Histiocytic Sarcoma**

TUMOR RATES	#	#	#	#
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	0/41.7	0/44.29	0/42.83	1/42.53
POLY-3 PERCENT (g)	0%	0%	0%	2.4%
TERMINAL (d)	0/29 (0%)	0/31 (0%)	0/27 (0%)	0/26 (0%)
FIRST INCIDENCE	---	---	---	683

STATISTICAL TESTS

LIFE TABLE	P=0.192	(e)	(e)	P=0.506
POLY 3	P=0.198	(e)	(e)	P=0.504
POLY 1.5	P=0.199	(e)	(e)	P=0.503
POLY 6	P=0.196	(e)	(e)	P=0.503
LOGISTIC REGRESSION	P=0.198	(e)	(e)	P=0.500
COCH-ARM / FISHERS	P=0.198	(e)	(e)	P=0.500
ORDER RESTRICTED	P=0.124	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.131	(e)	(e)	(e)

TDMS No. 97008-05
 Test Type: CHRONIC
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 Species/Strain: RATS/F 344

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**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	CONTROL	16 PPM	32 PPM	64 PPM

All Organs
 Leukemia: Lymphocytic, Monocytic, Mononuclear, or Undifferentiated

TUMOR RATES	#	#	#	#
OVERALL (a)	20/50 (40%)	13/50 (26%)	23/50 (46%)	26/50 (52%)
POLY-3 RATE (b)	20/44.47	13/45.78	23/46.86	26/46.44
POLY-3 PERCENT (g)	45%	28.4%	49.1%	56%
TERMINAL (d)	11/29 (38%)	8/31 (26%)	11/27 (41%)	13/26 (50%)
FIRST INCIDENCE	513	516	439	502

STATISTICAL TESTS

LIFE TABLE	P=0.030*	P=0.081N	P=0.349	P=0.150
POLY 3	P=0.040*	P=0.074N	P=0.427	P=0.195
POLY 1.5	P=0.039*	P=0.082N	P=0.395	P=0.184
POLY 6	P=0.040*	P=0.070N	P=0.459	P=0.196
LOGISTIC REGRESSION	P=0.036*	P=0.088N	P=0.344	P=0.164
COCH-ARM / FISHERS	P=0.036*	P=0.101N	P=0.343	P=0.158
ORDER RESTRICTED	P=0.038*	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.047*	(e)	(e)	(e)

TDMS No. 97008-05
 Test Type: CHRONIC
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 Species/Strain: RATS/F 344

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 PROPARGYL ALCOHOL
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**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	CONTROL	16 PPM	32 PPM	64 PPM

**All Organs
 Benign Tumors**

TUMOR RATES

	#	#	#	#
OVERALL (a)	42/50 (84%)	45/50 (90%)	43/50 (86%)	41/50 (82%)
POLY-3 RATE (b)	42/48.28	45/48.89	43/47.58	41/47.65
POLY-3 PERCENT (g)	87%	92.1%	90.4%	86%
TERMINAL (d)	25/29 (86%)	28/31 (90%)	24/27 (89%)	22/26 (85%)
FIRST INCIDENCE	393	516	509	522

STATISTICAL TESTS

LIFE TABLE	P=0.395	P=0.543N	P=0.445	P=0.487
POLY 3	P=0.407N	P=0.306	P=0.416	P=0.568N
POLY 1.5	P=0.369N	P=0.296	P=0.445	P=0.536N
POLY 6	P=0.453N	P=0.322	P=0.404	P=0.606N
LOGISTIC REGRESSION	P=0.289N	P=0.345	P=0.551	P=0.450N
COCH-ARM / FISHERS	P=0.330N	P=0.277	P=0.500	P=0.500N
ORDER RESTRICTED	P=0.422N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.430N	(e)	(e)	(e)

TDMS No. 97008-05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
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Date Report Reqsted: 08/09/2006
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**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	CONTROL	16 PPM	32 PPM	64 PPM

**All Organs
 Malignant Tumors**

TUMOR RATES

	#	#	#	#
OVERALL (a)	26/50 (52%)	20/50 (40%)	29/50 (58%)	33/50 (66%)
POLY-3 RATE (b)	26/45.11	20/46.69	29/48.39	33/48
POLY-3 PERCENT (g)	57.6%	42.8%	59.9%	68.8%
TERMINAL (d)	15/29 (52%)	11/31 (36%)	12/27 (44%)	15/26 (58%)
FIRST INCIDENCE	513	516	430	502

STATISTICAL TESTS

LIFE TABLE	P=0.030*	P=0.121N	P=0.363	P=0.128
POLY 3	P=0.043*	P=0.108N	P=0.494	P=0.178
POLY 1.5	P=0.036*	P=0.123N	P=0.437	P=0.152
POLY 6	P=0.049*	P=0.099N	P=0.553	P=0.201
LOGISTIC REGRESSION	P=0.027*	P=0.133N	P=0.340	P=0.116
COCH-ARM / FISHERS	P=0.028*	P=0.158N	P=0.344	P=0.111
ORDER RESTRICTED	P=0.044*	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.055	(e)	(e)	(e)

TDMS No. 97008-05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
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**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	CONTROL	16 PPM	32 PPM	64 PPM

**All Organs
 Malignant and Benign Tumors**

TUMOR RATES

	#	#	#	#
OVERALL (a)	47/50 (94%)	47/50 (94%)	50/50 (100%)	47/50 (94%)
POLY-3 RATE (b)	47/48.68	47/49.45	50/50	47/50
POLY-3 PERCENT (g)	96.6%	95.1%	100%	94%
TERMINAL (d)	28/29 (97%)	29/31 (94%)	27/27 (100%)	23/26 (89%)
FIRST INCIDENCE	393	516	430	502

STATISTICAL TESTS

LIFE TABLE	P=0.253	P=0.339N	P=0.328	P=0.422
POLY 3	P=0.405N	P=0.557N	P=0.267	P=0.449N
POLY 1.5	P=0.504N	P=0.596N	P=0.185	P=0.532N
POLY 6	P=0.314N	P=0.526N	P=0.383	P=0.373N
LOGISTIC REGRESSION	P=0.538	P=0.533N	P=0.139	P=0.636N
COCH-ARM / FISHERS	P=0.523	P=0.661N	P=0.121	P=0.661N
ORDER RESTRICTED	P=0.294N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.305N	(e)	(e)	(e)

TDMS No. 97008-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

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LEGEND

- (a) Number of tumor-bearing animals/number of animals examined at site.
 - (b) Number of tumor-bearing animals/Poly-3 number
 - (d) Observed incidence at terminal kill.
 - (f) Beneath the control incidence are the P-values associated with the trend test. Beneath the dosed group incidence are the P-values corresponding to pairwise comparisons between the controls and that dosed group. The life table analysis regards tumors in animals dying prior to terminal kill as being (directly or indirectly) the cause of death.
 - (e) Value of Statistic cannot be computed.
 - (g) Poly-3 adjusted lifetime tumor incidence.
 - (I) Interim sacrifice
 - (T) Terminal sacrifice
 - # Tumor rates based on numbers of animals necropsied.
 - * To the right of any statistical result, indicates significance at ($P \leq 0.05$).
 - ** To the right of any statistical result, indicates significance at ($P \leq 0.01$).
 - N Indicates a negative trend for all tests
- Logistic regression is an alternative method for analyzing the incidence of non-fatal tumors.
The Cochran-Armitage and Fishers exact tests compare directly the overall incidence rates.

*** END OF REPORT ***