

**TDMS No.** 96015 - 05  
**Test Type:** CHRONIC  
**Route:** DOSED WATER  
**Species/Strain:** RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**

Water disinfection byproducts (Dibromoacetonitrile)

**CAS Number:** 3252-43-5

**Date Report Requested:** 10/22/2007

**Time Report Requested:** 08:24:14

**First Dose M/F:** 09/05/01 / 09/05/01

**Lab:** SRI

E2\_Rev.1\_R2

**C Number:** C96015  
**Lock Date:** 04/30/2004  
**Cage Range:** ALL  
**Date Range:** ALL  
**Reasons For Removal:** ALL  
**Removal Date Range:** ALL  
**Treatment Groups:** Include ALL  
**TDMSE Version:** 1.8.0

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## SUMMARY OF STATISTICALLY SIGNIFICANT ( $P \leq .05$ ) RESULTS IN THE ANALYSIS OF Water disinfection byproducts (Dibromoacetonitrile)

### MALE RATS

#### Organ

Adrenal Cortex

Brain  
Esophagus: Epithelium  
Heart  
Kidney: Renal Tubule  
Liver

Liver: Hepatocyte

Lymph Node: Mediastinal  
Nose: Nasolacrimal Duct  
Pancreas: Acinus  
Pancreas: Duct  
Peritoneum: Mesothelium, Tunica Vaginalis  
Pituitary Gland  
Prostate: Epithelium  
Stomach, Glandular: Glands  
Testes  
Thyroid Gland: C-Cell  
Thyroid Gland: Follicular Cell

### FEMALE RATS

#### Organ

Adrenal Cortex

Brain  
Clitoral Gland

#### Morphology

Angiectasis  
Vacuolization Cytoplasmic  
Compression Focal  
Hyperkeratosis  
Cardiomyopathy  
Accumulation, Hyaline Droplet  
Congestion  
Necrosis  
Cytologic Alterations Focal  
Cytoplasmic Alteration Focal  
Necrosis  
Vacuolization Cytoplasmic  
Hyperplasia Lymphoid  
Inflammation  
Atrophy Focal  
Cyst  
Hyperplasia  
Hemorrhage  
Hyperplasia  
Ectasia  
Atrophy  
Hyperplasia  
Hyperplasia Focal

#### Morphology

Accessory Adrenal Cortical Nodule  
Angiectasis  
Hyperplasia Focal  
Compression Focal  
Inflammation

TDMS No. 96015 - 05  
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Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
Water disinfection byproducts (Dibromoacetonitrile)  
CAS Number: 3252-43-5

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**SUMMARY OF STATISTICALLY SIGNIFICANT (P<=.05) RESULTS IN THE ANALYSIS OF Water disinfection byproducts (Dibromoacetonitrile)**

Esophagus: Epithelium	Hyperkeratosis
Eye	Cataract
Harderian Gland: Epithelium	Hyperplasia Focal
Kidney	Infarct
	Nephropathy
Kidney: Pelvis	Inflammation Chronic
Liver	Hematopoietic Cell Proliferation
Liver: Hepatocyte	Basophilic Focus
	Cytologic Alterations Focal
	Mixed Cell Focus
Lung	Inflammation
Lung: Alveolar Epithelium	Hyperplasia
Mammary Gland	Dilatation
Pancreas: Duct	Cyst
Pituitary Gland	Hemorrhage
Pituitary Gland: Pars Distalis	Cyst
	Hyperplasia
Spleen	Hyperplasia Focal
	Pigmentation
Stomach, Forestomach	Ulcer
Stomach, Glandular: Glands	Ectasia
	Hyperplasia
Tongue: Epithelium	Hyperplasia

TDMS No. 96015 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Water disinfection byproducts (Dibromoacetonitrile)  
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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)**  
**TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/L	50 MG/L	100 MG/L	200 MG/L

**Adrenal Cortex**  
**Accessory Adrenal Cortical Nodule**

**LESION RATES**

OVERALL (a)	3/50 (6%)	3/50 (6%)	3/50 (6%)	2/50 (4%)
POLY-3 RATE (b)	3/44.40	3/45.09	3/43.51	2/45.66
POLY-3 PERCENT (g)	6.8%	6.7%	6.9%	4.4%
TERMINAL (d)	1/31 (3%)	1/33 (3%)	0/25 (0%)	2/35 (6%)
FIRST INCIDENCE	652	594	583	729 (T)

**STATISTICAL TESTS**

LIFE TABLE	P=0.364N	P=0.644N	P=0.628	P=0.446N
POLY 3	P=0.387N	P=0.655N	P=0.653	P=0.487N
POLY 1.5	P=0.396N	P=0.658N	P=0.656	P=0.497N
POLY 6	P=0.375N	P=0.651N	P=0.648	P=0.475N
LOGISTIC REGRESSION	P=0.388N	P=0.660	P=0.633N	P=0.495N
COCH-ARM / FISHERS	P=0.397N	P=0.661N	P=0.661N	P=0.500N
ORDER RESTRICTED	P=0.506N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.512N	(e)	(e)	(e)

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)**  
**TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/L	50 MG/L	100 MG/L	200 MG/L

**Adrenal Cortex**  
**Angiectasis**

**LESION RATES**

OVERALL (a)	0/50 (0%)	1/50 (2%)	0/50 (0%)	3/50 (6%)
POLY-3 RATE (b)	0/43.92	1/44.54	0/42.41	3/45.78
POLY-3 PERCENT (g)	0%	2.3%	0%	6.6%
TERMINAL (d)	0/31 (0%)	1/33 (3%)	0/25 (0%)	2/35 (6%)
FIRST INCIDENCE	---	729 (T)	---	699

**STATISTICAL TESTS**

LIFE TABLE	P=0.058	P=0.512	(e)	P=0.146
POLY 3	P=0.045*	P=0.503	(e)	P=0.126
POLY 1.5	P=0.043*	P=0.501	(e)	P=0.121
POLY 6	P=0.047*	P=0.505	(e)	P=0.133
LOGISTIC REGRESSION	P=0.054	P=0.512	(e)	P=0.133
COCH-ARM / FISHERS	P=0.044*	P=0.500	(e)	P=0.121
ORDER RESTRICTED	P=0.024*	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.029*	(e)	(e)	(e)

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 Species/Strain: RATS/F 344

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)**  
**TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/L	50 MG/L	100 MG/L	200 MG/L

**Adrenal Cortex**  
**Cytoplasmic Alteration Focal**

**LESION RATES**

OVERALL (a)	3/50 (6%)	0/50 (0%)	2/50 (4%)	3/50 (6%)
POLY-3 RATE (b)	3/44.05	0/44.54	2/42.95	3/45.98
POLY-3 PERCENT (g)	6.8%	0%	4.7%	6.5%
TERMINAL (d)	2/31 (7%)	0/33 (0%)	0/25 (0%)	1/35 (3%)
FIRST INCIDENCE	696	---	619	681

**STATISTICAL TESTS**

LIFE TABLE	P=0.443	P=0.116N	P=0.566N	P=0.607N
POLY 3	P=0.416	P=0.116N	P=0.512N	P=0.642N
POLY 1.5	P=0.407	P=0.118N	P=0.508N	P=0.656N
POLY 6	P=0.429	P=0.115N	P=0.518N	P=0.624N
LOGISTIC REGRESSION	P=0.405	P=0.115N	P=0.505N	P=0.651N
COCH-ARM / FISHERS	P=0.404	P=0.121N	P=0.500N	P=0.661N
ORDER RESTRICTED	P=0.375	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.388	(e)	(e)	(e)

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)**  
**TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/L	50 MG/L	100 MG/L	200 MG/L

**Adrenal Cortex**  
**Hyperplasia Focal**

**LESION RATES**

OVERALL (a)	5/50 (10%)	7/50 (14%)	1/50 (2%)	8/50 (16%)
POLY-3 RATE (b)	5/43.92	7/44.54	1/42.41	8/45.66
POLY-3 PERCENT (g)	11.4%	15.7%	2.4%	17.5%
TERMINAL (d)	5/31 (16%)	7/33 (21%)	1/25 (4%)	8/35 (23%)
FIRST INCIDENCE	729 (T)	729 (T)	729 (T)	729 (T)

**STATISTICAL TESTS**

LIFE TABLE	P=0.364	P=0.421	P=0.155N	P=0.355
POLY 3	P=0.317	P=0.388	P=0.109N	P=0.301
POLY 1.5	P=0.306	P=0.384	P=0.106N	P=0.283
POLY 6	P=0.333	P=0.396	P=0.113N	P=0.325
LOGISTIC REGRESSION	P=0.364	P=0.421	P=0.155N	P=0.355
COCH-ARM / FISHERS	P=0.306	P=0.380	P=0.102N	P=0.277
ORDER RESTRICTED	P=0.203	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.216	(e)	(e)	(e)

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)**  
**TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/L	50 MG/L	100 MG/L	200 MG/L

**Adrenal Cortex**  
**Infiltration Cellular Mixed Cell**

**LESION RATES**

OVERALL (a)	0/50 (0%)	1/50 (2%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	0/43.92	1/44.60	0/42.41	1/45.66
POLY-3 PERCENT (g)	0%	2.2%	0%	2.2%
TERMINAL (d)	0/31 (0%)	0/33 (0%)	0/25 (0%)	1/35 (3%)
FIRST INCIDENCE	---	714	---	729 (T)

**STATISTICAL TESTS**

LIFE TABLE	P=0.430	P=0.506	(e)	P=0.524
POLY 3	P=0.415	P=0.503	(e)	P=0.508
POLY 1.5	P=0.408	P=0.502	(e)	P=0.502
POLY 6	P=0.425	P=0.506	(e)	P=0.515
LOGISTIC REGRESSION	P=0.424	P=0.504	(e)	P=0.524
COCH-ARM / FISHERS	P=0.405	P=0.500	(e)	P=0.500
ORDER RESTRICTED	P=0.258	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.271	(e)	(e)	(e)

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)**  
**TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/L	50 MG/L	100 MG/L	200 MG/L

**Adrenal Cortex**  
**Vacuolization Cytoplasmic**

**LESION RATES**

OVERALL (a)	6/50 (12%)	3/50 (6%)	5/50 (10%)	11/50 (22%)
POLY-3 RATE (b)	6/45.14	3/45.22	5/43.09	11/45.73
POLY-3 PERCENT (g)	13.3%	6.6%	11.6%	24.1%
TERMINAL (d)	2/31 (7%)	2/33 (6%)	2/25 (8%)	10/35 (29%)
FIRST INCIDENCE	606	496	662	714

**STATISTICAL TESTS**

LIFE TABLE	P=0.065	P=0.237N	P=0.573N	P=0.214
POLY 3	P=0.036*	P=0.241N	P=0.533N	P=0.147
POLY 1.5	P=0.035*	P=0.241N	P=0.520N	P=0.140
POLY 6	P=0.038*	P=0.242N	P=0.553N	P=0.154
LOGISTIC REGRESSION	P=0.039*	P=0.247N	P=0.493N	P=0.153
COCH-ARM / FISHERS	P=0.038*	P=0.243N	P=0.500N	P=0.143
ORDER RESTRICTED	P=0.034*	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.038*	(e)	(e)	(e)

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)**  
**TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/L	50 MG/L	100 MG/L	200 MG/L

**Adrenal Medulla  
 Hyperplasia Focal**

**LESION RATES**

OVERALL (a)	4/50 (8%)	9/50 (18%)	5/49 (10%)	4/49 (8%)
POLY-3 RATE (b)	4/44.42	9/45.63	5/42.46	4/44.78
POLY-3 PERCENT (g)	9%	19.7%	11.8%	8.9%
TERMINAL (d)	2/31 (7%)	5/33 (15%)	0/24 (0%)	3/35 (9%)
FIRST INCIDENCE	606	461	622	720

**STATISTICAL TESTS**

LIFE TABLE	P=0.307N	P=0.146	P=0.425	P=0.580N
POLY 3	P=0.349N	P=0.124	P=0.472	P=0.639N
POLY 1.5	P=0.365N	P=0.121	P=0.476	P=0.635
POLY 6	P=0.328N	P=0.130	P=0.464	P=0.623N
LOGISTIC REGRESSION	P=0.367N	P=0.116	P=0.493	P=0.640N
COCH-ARM / FISHERS	P=0.367N	P=0.117	P=0.487	P=0.631
ORDER RESTRICTED	P=0.340N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.350N	(e)	(e)	(e)

TDMS No. 96015 - 05  
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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)**  
**TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/L	50 MG/L	100 MG/L	200 MG/L

**Bone Marrow  
Hyperplasia**

**LESION RATES**

OVERALL (a)	2/50 (4%)	5/50 (10%)	4/50 (8%)	6/50 (12%)
POLY-3 RATE (b)	2/43.92	5/45.22	4/42.75	6/45.93
POLY-3 PERCENT (g)	4.6%	11.1%	9.4%	13.1%
TERMINAL (d)	2/31 (7%)	1/33 (3%)	2/25 (8%)	4/35 (11%)
FIRST INCIDENCE	729 (T)	594	647	680

**STATISTICAL TESTS**

LIFE TABLE	P=0.193	P=0.239	P=0.264	P=0.182
POLY 3	P=0.156	P=0.228	P=0.324	P=0.147
POLY 1.5	P=0.146	P=0.222	P=0.329	P=0.138
POLY 6	P=0.172	P=0.237	P=0.317	P=0.162
LOGISTIC REGRESSION	P=0.153	P=0.219	P=0.307	P=0.162
COCH-ARM / FISHERS	P=0.142	P=0.218	P=0.339	P=0.134
ORDER RESTRICTED	P=0.129	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.141	(e)	(e)	(e)

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)**  
**TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/L	50 MG/L	100 MG/L	200 MG/L

**Brain**  
**Compression Focal**

**LESION RATES**

OVERALL (a)	5/50 (10%)	8/50 (16%)	12/50 (24%)	9/50 (18%)
POLY-3 RATE (b)	5/45.26	8/46.21	12/45.21	9/46.48
POLY-3 PERCENT (g)	11.1%	17.3%	26.5%	19.4%
TERMINAL (d)	0/31 (0%)	4/33 (12%)	4/25 (16%)	5/35 (14%)
FIRST INCIDENCE	610	496	568	592

**STATISTICAL TESTS**

LIFE TABLE	P=0.245	P=0.309	P=0.050*	P=0.268
POLY 3	P=0.183	P=0.289	P=0.050*	P=0.207
POLY 1.5	P=0.170	P=0.284	P=0.051	P=0.196
POLY 6	P=0.201	P=0.294	P=0.049*	P=0.222
LOGISTIC REGRESSION	P=0.177	P=0.261	P=0.067	P=0.194
COCH-ARM / FISHERS	P=0.170	P=0.277	P=0.054	P=0.194
ORDER RESTRICTED	P=0.107	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.116	(e)	(e)	(e)

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)**  
**TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/L	50 MG/L	100 MG/L	200 MG/L

**Brain**  
**Hemorrhage Focal**

**LESION RATES**

OVERALL (a)	4/50 (8%)	2/50 (4%)	3/50 (6%)	2/50 (4%)
POLY-3 RATE (b)	4/45.77	2/44.74	3/43.00	2/46.71
POLY-3 PERCENT (g)	8.7%	4.5%	7%	4.3%
TERMINAL (d)	0/31 (0%)	0/33 (0%)	0/25 (0%)	0/35 (0%)
FIRST INCIDENCE	491	695	664	383

**STATISTICAL TESTS**

LIFE TABLE	P=0.295N	P=0.335N	P=0.533N	P=0.319N
POLY 3	P=0.309N	P=0.348N	P=0.534N	P=0.328N
POLY 1.5	P=0.317N	P=0.344N	P=0.521N	P=0.336N
POLY 6	P=0.299N	P=0.350N	P=0.551N	P=0.318N
LOGISTIC REGRESSION	P=0.243N	P=0.339N	P=0.418N	P=0.242N
COCH-ARM / FISHERS	P=0.319N	P=0.339N	P=0.500N	P=0.339N
ORDER RESTRICTED	P=0.291N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.300N	(e)	(e)	(e)

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 Species/Strain: RATS/F 344

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)**  
**TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/L	50 MG/L	100 MG/L	200 MG/L

**Epididymis  
 Inflammation**

**LESION RATES**

OVERALL (a)	2/50 (4%)	0/50 (0%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	2/44.05	0/44.54	1/42.90	0/45.66
POLY-3 PERCENT (g)	4.5%	0%	2.3%	0%
TERMINAL (d)	1/31 (3%)	0/33 (0%)	0/25 (0%)	0/35 (0%)
FIRST INCIDENCE	697	---	583	---

**STATISTICAL TESTS**

LIFE TABLE	P=0.182N	P=0.233N	P=0.539N	P=0.216N
POLY 3	P=0.186N	P=0.235N	P=0.509N	P=0.229N
POLY 1.5	P=0.188N	P=0.236N	P=0.506N	P=0.235N
POLY 6	P=0.184N	P=0.233N	P=0.515N	P=0.222N
LOGISTIC REGRESSION	P=0.182N	P=0.233N	P=0.487N	P=0.227N
COCH-ARM / FISHERS	P=0.188N	P=0.247N	P=0.500N	P=0.247N
ORDER RESTRICTED	P=0.068N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.077N	(e)	(e)	(e)

TDMS No. 96015 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Water disinfection byproducts (Dibromoacetonitrile)  
 CAS Number: 3252-43-5

Date Report Requested: 10/22/2007  
 Time Report Requested: 08:24:14  
 First Dose M/F: 09/05/01 / 09/05/01  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)**  
**TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/L	50 MG/L	100 MG/L	200 MG/L

**Esophagus: Epithelium  
 Hyperkeratosis**

**LESION RATES**

OVERALL (a)	6/48 (13%)	8/50 (16%)	34/50 (68%)	46/50 (92%)
POLY-3 RATE (b)	6/43.69	8/47.46	34/48.84	46/49.65
POLY-3 PERCENT (g)	13.7%	16.9%	69.6%	92.7%
TERMINAL (d)	1/29 (3%)	1/33 (3%)	14/25 (56%)	35/35 (100%)
FIRST INCIDENCE	507	461	251	13

**STATISTICAL TESTS**

LIFE TABLE	P<0.001**	P=0.419	P<0.001**	P<0.001**
POLY 3	P<0.001**	P=0.452	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P=0.437	P<0.001**	P<0.001**
POLY 6	P<0.001**	P=0.472	P<0.001**	P<0.001**
LOGISTIC REGRESSION	P<0.001**	P=0.363	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.419	P<0.001**	P<0.001**
ORDER RESTRICTED	P<0.001**	(e)	(e)	(e)
MAX-ISO-POLY-3	P<0.001**	(e)	(e)	(e)

TDMS No. 96015 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Water disinfection byproducts (Dibromoacetonitrile)  
 CAS Number: 3252-43-5

Date Report Requested: 10/22/2007  
 Time Report Requested: 08:24:14  
 First Dose M/F: 09/05/01 / 09/05/01  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)**  
**TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/L	50 MG/L	100 MG/L	200 MG/L

**Eye Atrophy**

**LESION RATES**

OVERALL (a)	1/48 (2%)	0/47 (0%)	1/48 (2%)	0/47 (0%)
POLY-3 RATE (b)	1/42.39	0/42.66	1/41.88	0/43.73
POLY-3 PERCENT (g)	2.4%	0%	2.4%	0%
TERMINAL (d)	1/31 (3%)	0/33 (0%)	0/25 (0%)	0/35 (0%)
FIRST INCIDENCE	729 (T)	---	568	---

**STATISTICAL TESTS**

LIFE TABLE	P=0.393N	P=0.488N	P=0.742	P=0.476N
POLY 3	P=0.404N	P=0.499N	P=0.758	P=0.494N
POLY 1.5	P=0.406N	P=0.501N	P=0.759	P=0.498N
POLY 6	P=0.402N	P=0.495N	P=0.756	P=0.487N
LOGISTIC REGRESSION	P=0.413N	(e)	P=0.747N	(e)
COCH-ARM / FISHERS	P=0.408N	P=0.505N	P=0.753N	P=0.505N
ORDER RESTRICTED	P=0.244N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.257N	(e)	(e)	(e)

TDMS No. 96015 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Water disinfection byproducts (Dibromoacetonitrile)  
 CAS Number: 3252-43-5

Date Report Requested: 10/22/2007  
 Time Report Requested: 08:24:14  
 First Dose M/F: 09/05/01 / 09/05/01  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)**  
**TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/L	50 MG/L	100 MG/L	200 MG/L

**Eye  
 Cataract**

**LESION RATES**

OVERALL (a)	0/48 (0%)	0/47 (0%)	1/48 (2%)	0/47 (0%)
POLY-3 RATE (b)	0/42.39	0/42.66	1/41.75	0/43.73
POLY-3 PERCENT (g)	0%	0%	2.4%	0%
TERMINAL (d)	0/31 (0%)	0/33 (0%)	0/25 (0%)	0/35 (0%)
FIRST INCIDENCE	---	---	616	---

**STATISTICAL TESTS**

LIFE TABLE	P=0.702	(e)	P=0.505	(e)
POLY 3	P=0.712	(e)	P=0.497	(e)
POLY 1.5	P=0.704	(e)	P=0.498	(e)
POLY 6	P=0.723	(e)	P=0.495	(e)
LOGISTIC REGRESSION	P=0.699	(e)	P=0.536	(e)
COCH-ARM / FISHERS	P=0.693	(e)	P=0.500	(e)
ORDER RESTRICTED	P=0.379	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.392	(e)	(e)	(e)

TDMS No. 96015 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Water disinfection byproducts (Dibromoacetonitrile)  
 CAS Number: 3252-43-5

Date Report Requested: 10/22/2007  
 Time Report Requested: 08:24:14  
 First Dose M/F: 09/05/01 / 09/05/01  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)**  
**TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/L	50 MG/L	100 MG/L	200 MG/L

Eye: Retina  
 Degeneration

**LESION RATES**

OVERALL (a)	0/48 (0%)	0/47 (0%)	1/48 (2%)	0/47 (0%)
POLY-3 RATE (b)	0/42.39	0/42.66	1/41.75	0/43.73
POLY-3 PERCENT (g)	0%	0%	2.4%	0%
TERMINAL (d)	0/31 (0%)	0/33 (0%)	0/25 (0%)	0/35 (0%)
FIRST INCIDENCE	---	---	616	---

**STATISTICAL TESTS**

LIFE TABLE	P=0.702	(e)	P=0.505	(e)
POLY 3	P=0.712	(e)	P=0.497	(e)
POLY 1.5	P=0.704	(e)	P=0.498	(e)
POLY 6	P=0.723	(e)	P=0.495	(e)
LOGISTIC REGRESSION	P=0.699	(e)	P=0.536	(e)
COCH-ARM / FISHERS	P=0.693	(e)	P=0.500	(e)
ORDER RESTRICTED	P=0.379	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.392	(e)	(e)	(e)

TDMS No. 96015 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Water disinfection byproducts (Dibromoacetonitrile)  
 CAS Number: 3252-43-5

Date Report Requested: 10/22/2007  
 Time Report Requested: 08:24:14  
 First Dose M/F: 09/05/01 / 09/05/01  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)**  
**TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/L	50 MG/L	100 MG/L	200 MG/L

**Harderian Gland: Epithelium  
 Hyperplasia Focal**

**LESION RATES**

OVERALL (a)	3/50 (6%)	3/50 (6%)	1/50 (2%)	6/50 (12%)
POLY-3 RATE (b)	3/43.92	3/44.54	1/42.41	6/45.82
POLY-3 PERCENT (g)	6.8%	6.7%	2.4%	13.1%
TERMINAL (d)	3/31 (10%)	3/33 (9%)	1/25 (4%)	5/35 (14%)
FIRST INCIDENCE	729 (T)	729 (T)	729 (T)	689

**STATISTICAL TESTS**

LIFE TABLE	P=0.192	P=0.635N	P=0.384N	P=0.305
POLY 3	P=0.160	P=0.656N	P=0.317N	P=0.263
POLY 1.5	P=0.155	P=0.659N	P=0.313N	P=0.249
POLY 6	P=0.169	P=0.651N	P=0.325N	P=0.283
LOGISTIC REGRESSION	P=0.194	P=0.635N	P=0.384N	P=0.299
COCH-ARM / FISHERS	P=0.154	P=0.661N	P=0.309N	P=0.243
ORDER RESTRICTED	P=0.118	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.130	(e)	(e)	(e)

TDMS No. 96015 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Water disinfection byproducts (Dibromoacetonitrile)  
 CAS Number: 3252-43-5

Date Report Requested: 10/22/2007  
 Time Report Requested: 08:24:14  
 First Dose M/F: 09/05/01 / 09/05/01  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)**  
**TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/L	50 MG/L	100 MG/L	200 MG/L

**Heart**  
**Cardiomyopathy**

**LESION RATES**

OVERALL (a)	39/50 (78%)	44/50 (88%)	38/50 (76%)	45/50 (90%)
POLY-3 RATE (b)	39/46.40	44/47.33	38/46.42	45/47.15
POLY-3 PERCENT (g)	84.1%	93%	81.9%	95.4%
TERMINAL (d)	29/31 (94%)	33/33 (100%)	25/25 (100%)	35/35 (100%)
FIRST INCIDENCE	563	535	496	592

**STATISTICAL TESTS**

LIFE TABLE	P=0.479	P=0.349	P=0.180	P=0.489
POLY 3	P=0.090	P=0.119	P=0.498N	P=0.046*
POLY 1.5	P=0.082	P=0.126	P=0.511N	P=0.042*
POLY 6	P=0.114	P=0.121	P=0.492N	P=0.064
LOGISTIC REGRESSION	P=0.192	P=0.124	P=0.591N	P=0.157
COCH-ARM / FISHERS	P=0.140	P=0.143	P=0.500N	P=0.086
ORDER RESTRICTED	P=0.035*	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.039*	(e)	(e)	(e)

TDMS No. 96015 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Water disinfection byproducts (Dibromoacetonitrile)  
 CAS Number: 3252-43-5

Date Report Requested: 10/22/2007  
 Time Report Requested: 08:24:14  
 First Dose M/F: 09/05/01 / 09/05/01  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)**  
**TERMINAL SACRIFICE AT 105 WEEKS**

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	<b>Males</b>			
<b>DOSE</b>	<b>0 MG/L</b>	<b>50 MG/L</b>	<b>100 MG/L</b>	<b>200 MG/L</b>

---

**Heart  
Thrombosis**

**LESION RATES**

<b>OVERALL (a)</b>	2/50 (4%)	0/50 (0%)	3/50 (6%)	1/50 (2%)
<b>POLY-3 RATE (b)</b>	2/44.00	0/44.54	3/42.96	1/45.78
<b>POLY-3 PERCENT (g)</b>	4.6%	0%	7%	2.2%
<b>TERMINAL (d)</b>	1/31 (3%)	0/33 (0%)	0/25 (0%)	0/35 (0%)
<b>FIRST INCIDENCE</b>	710	---	652	699

**STATISTICAL TESTS**

<b>LIFE TABLE</b>	P=0.516N	P=0.227N	P=0.445	P=0.455N
<b>POLY 3</b>	P=0.543N	P=0.234N	P=0.489	P=0.486N
<b>POLY 1.5</b>	P=0.552N	P=0.236N	P=0.492	P=0.496N
<b>POLY 6</b>	P=0.530N	P=0.232N	P=0.483	P=0.473N
<b>LOGISTIC REGRESSION</b>	P=0.555N	P=0.230N	P=0.491	P=0.485N
<b>COCH-ARM / FISHERS</b>	P=0.556N	P=0.247N	P=0.500	P=0.500N
<b>ORDER RESTRICTED</b>	P=0.425N	(e)	(e)	(e)
<b>MAX-ISO-POLY-3</b>	P=0.435N	(e)	(e)	(e)

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TDMS No. 96015 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Water disinfection byproducts (Dibromoacetonitrile)  
 CAS Number: 3252-43-5

Date Report Requested: 10/22/2007  
 Time Report Requested: 08:24:14  
 First Dose M/F: 09/05/01 / 09/05/01  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)**  
**TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/L	50 MG/L	100 MG/L	200 MG/L

**Islets, Pancreatic  
Hyperplasia**

**LESION RATES**

OVERALL (a)	3/49 (6%)	0/50 (0%)	2/50 (4%)	5/50 (10%)
POLY-3 RATE (b)	3/43.49	0/44.54	2/42.41	5/45.66
POLY-3 PERCENT (g)	6.9%	0%	4.7%	11%
TERMINAL (d)	1/31 (3%)	0/33 (0%)	2/25 (8%)	5/35 (14%)
FIRST INCIDENCE	606	---	729 (T)	729 (T)

**STATISTICAL TESTS**

LIFE TABLE	P=0.143	P=0.121N	P=0.574N	P=0.417
POLY 3	P=0.119	P=0.114N	P=0.511N	P=0.383
POLY 1.5	P=0.116	P=0.115N	P=0.503N	P=0.371
POLY 6	P=0.124	P=0.113N	P=0.526N	P=0.399
LOGISTIC REGRESSION	P=0.133	P=0.118N	P=0.502N	P=0.386
COCH-ARM / FISHERS	P=0.117	P=0.117N	P=0.490N	P=0.369
ORDER RESTRICTED	P=0.089	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.098	(e)	(e)	(e)

TDMS No. 96015 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Water disinfection byproducts (Dibromoacetonitrile)  
 CAS Number: 3252-43-5

Date Report Requested: 10/22/2007  
 Time Report Requested: 08:24:14  
 First Dose M/F: 09/05/01 / 09/05/01  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)**  
**TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/L	50 MG/L	100 MG/L	200 MG/L

**Kidney  
 Infarct**

**LESION RATES**

OVERALL (a)	2/49 (4%)	1/50 (2%)	2/50 (4%)	0/50 (0%)
POLY-3 RATE (b)	2/43.05	1/45.28	2/42.67	0/45.66
POLY-3 PERCENT (g)	4.7%	2.2%	4.7%	0%
TERMINAL (d)	1/31 (3%)	0/33 (0%)	0/25 (0%)	0/35 (0%)
FIRST INCIDENCE	710	461	674	---

**STATISTICAL TESTS**

LIFE TABLE	P=0.190N	P=0.486N	P=0.636	P=0.212N
POLY 3	P=0.191N	P=0.482N	P=0.691	P=0.224N
POLY 1.5	P=0.196N	P=0.487N	P=0.693N	P=0.230N
POLY 6	P=0.184N	P=0.477N	P=0.685	P=0.217N
LOGISTIC REGRESSION	P=0.180N	P=0.500N	P=0.688	P=0.214N
COCH-ARM / FISHERS	P=0.196N	P=0.492N	P=0.684N	P=0.242N
ORDER RESTRICTED	P=0.145N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.156N	(e)	(e)	(e)

TDMS No. 96015 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Water disinfection byproducts (Dibromoacetonitrile)  
 CAS Number: 3252-43-5

Date Report Requested: 10/22/2007  
 Time Report Requested: 08:24:14  
 First Dose M/F: 09/05/01 / 09/05/01  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)**  
**TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/L	50 MG/L	100 MG/L	200 MG/L

**Kidney  
 Nephropathy**

**LESION RATES**

OVERALL (a)	48/49 (98%)	47/50 (94%)	45/50 (90%)	45/50 (90%)
POLY-3 RATE (b)	48/48.31	47/48.95	45/47.60	45/47.59
POLY-3 PERCENT (g)	99.4%	96%	94.6%	94.6%
TERMINAL (d)	31/31 (100%)	33/33 (100%)	25/25 (100%)	35/35 (100%)
FIRST INCIDENCE	507	461	496	538

**STATISTICAL TESTS**

LIFE TABLE	P=0.110N	P=0.336N	P=0.289	P=0.083N
POLY 3	P=0.144N	P=0.300N	P=0.166N	P=0.187N
POLY 1.5	P=0.150N	P=0.291N	P=0.140N	P=0.180N
POLY 6	P=0.126N	P=0.382N	P=0.233N	P=0.209N
LOGISTIC REGRESSION	P=0.062N	P=0.296N	P=0.131N	P=0.077N
COCH-ARM / FISHERS	P=0.083N	P=0.316N	P=0.107N	P=0.107N
ORDER RESTRICTED	P=0.117N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.125N	(e)	(e)	(e)

TDMS No. 96015 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Water disinfection byproducts (Dibromoacetonitrile)  
 CAS Number: 3252-43-5

Date Report Requested: 10/22/2007  
 Time Report Requested: 08:24:14  
 First Dose M/F: 09/05/01 / 09/05/01  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)**  
**TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/L	50 MG/L	100 MG/L	200 MG/L

**Kidney: Pelvis**  
**Inflammation Chronic**

**LESION RATES**

OVERALL (a)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/42.97	0/44.54	0/42.41	0/45.66
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/31 (0%)	0/33 (0%)	0/25 (0%)	0/35 (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. 96015 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Water disinfection byproducts (Dibromoacetonitrile)  
 CAS Number: 3252-43-5

Date Report Requested: 10/22/2007  
 Time Report Requested: 08:24:14  
 First Dose M/F: 09/05/01 / 09/05/01  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)  
 TERMINAL SACRIFICE AT 105 WEEKS**

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DOSE	Males			
	0 MG/L	50 MG/L	100 MG/L	200 MG/L

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**Kidney: Renal Tubule  
 Accumulation, Hyaline Droplet**

**LESION RATES**

OVERALL (a)	1/49 (2%)	7/50 (14%)	1/50 (2%)	1/50 (2%)
POLY-3 RATE (b)	1/42.97	7/44.90	1/42.49	1/45.66
POLY-3 PERCENT (g)	2.3%	15.6%	2.4%	2.2%
TERMINAL (d)	1/31 (3%)	3/33 (9%)	0/25 (0%)	1/35 (3%)
FIRST INCIDENCE	729 (T)	696	710	729 (T)

**STATISTICAL TESTS**

LIFE TABLE	P=0.203N	P=0.043*	P=0.718	P=0.735N
POLY 3	P=0.194N	P=0.034*	P=0.758	P=0.747N
POLY 1.5	P=0.206N	P=0.033*	P=0.761	P=0.753N
POLY 6	P=0.179N	P=0.036*	P=0.754	P=0.739N
LOGISTIC REGRESSION	P=0.194N	P=0.037*	P=0.748	P=0.735N
COCH-ARM / FISHERS	P=0.215N	P=0.032*	P=0.747N	P=0.747N
ORDER RESTRICTED	P=0.113N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.125N	(e)	(e)	(e)

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TDMS No. 96015 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Water disinfection byproducts (Dibromoacetonitrile)  
 CAS Number: 3252-43-5

Date Report Requested: 10/22/2007  
 Time Report Requested: 08:24:14  
 First Dose M/F: 09/05/01 / 09/05/01  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)**  
**TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/L	50 MG/L	100 MG/L	200 MG/L

**Kidney: Renal Tubule  
 Cyst**

**LESION RATES**

OVERALL (a)	2/49 (4%)	0/50 (0%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	2/42.97	0/44.54	0/42.41	1/45.66
POLY-3 PERCENT (g)	4.7%	0%	0%	2.2%
TERMINAL (d)	2/31 (7%)	0/33 (0%)	0/25 (0%)	1/35 (3%)
FIRST INCIDENCE	729 (T)	---	---	729 (T)

**STATISTICAL TESTS**

LIFE TABLE	P=0.440N	P=0.224N	P=0.286N	P=0.457N
POLY 3	P=0.462N	P=0.229N	P=0.240N	P=0.479N
POLY 1.5	P=0.460N	P=0.231N	P=0.237N	P=0.488N
POLY 6	P=0.465N	P=0.226N	P=0.245N	P=0.466N
LOGISTIC REGRESSION	P=0.440N	(e)	(e)	P=0.457N
COCH-ARM / FISHERS	P=0.457N	P=0.242N	P=0.242N	P=0.492N
ORDER RESTRICTED	P=0.117N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.129N	(e)	(e)	(e)

TDMS No. 96015 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Water disinfection byproducts (Dibromoacetonitrile)  
 CAS Number: 3252-43-5

Date Report Requested: 10/22/2007  
 Time Report Requested: 08:24:14  
 First Dose M/F: 09/05/01 / 09/05/01  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)**  
**TERMINAL SACRIFICE AT 105 WEEKS**

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DOSE	Males			
	0 MG/L	50 MG/L	100 MG/L	200 MG/L

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**Kidney: Renal Tubule  
 Pigmentation**

**LESION RATES**

OVERALL (a)	2/49 (4%)	2/50 (4%)	0/50 (0%)	2/50 (4%)
POLY-3 RATE (b)	2/43.06	2/45.28	0/42.41	2/45.78
POLY-3 PERCENT (g)	4.6%	4.4%	0%	4.4%
TERMINAL (d)	1/31 (3%)	1/33 (3%)	0/25 (0%)	1/35 (3%)
FIRST INCIDENCE	706	461	---	699

**STATISTICAL TESTS**

LIFE TABLE	P=0.530N	P=0.679N	P=0.284N	P=0.651N
POLY 3	P=0.548N	P=0.676N	P=0.240N	P=0.672N
POLY 1.5	P=0.551N	P=0.680N	P=0.238N	P=0.682N
POLY 6	P=0.544N	P=0.671N	P=0.246N	P=0.658N
LOGISTIC REGRESSION	P=0.544N	P=0.696N	P=0.249N	P=0.667N
COCH-ARM / FISHERS	P=0.550N	P=0.684N	P=0.242N	P=0.684N
ORDER RESTRICTED	P=0.428N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.439N	(e)	(e)	(e)

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TDMS No. 96015 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Water disinfection byproducts (Dibromoacetonitrile)  
 CAS Number: 3252-43-5

Date Report Requested: 10/22/2007  
 Time Report Requested: 08:24:14  
 First Dose M/F: 09/05/01 / 09/05/01  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)**  
**TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/L	50 MG/L	100 MG/L	200 MG/L

Liver  
 Angiectasis Focal

**LESION RATES**

OVERALL (a)	1/50 (2%)	5/50 (10%)	3/50 (6%)	3/50 (6%)
POLY-3 RATE (b)	1/44.05	5/44.82	3/42.41	3/45.74
POLY-3 PERCENT (g)	2.3%	11.2%	7.1%	6.6%
TERMINAL (d)	0/31 (0%)	3/33 (9%)	3/25 (12%)	2/35 (6%)
FIRST INCIDENCE	697	675	729 (T)	710

**STATISTICAL TESTS**

LIFE TABLE	P=0.472	P=0.120	P=0.239	P=0.351
POLY 3	P=0.443	P=0.105	P=0.291	P=0.319
POLY 1.5	P=0.426	P=0.103	P=0.297	P=0.310
POLY 6	P=0.466	P=0.108	P=0.282	P=0.332
LOGISTIC REGRESSION	P=0.459	P=0.107	P=0.267	P=0.326
COCH-ARM / FISHERS	P=0.420	P=0.102	P=0.309	P=0.309
ORDER RESTRICTED	P=0.199	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.212	(e)	(e)	(e)

TDMS No. 96015 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Water disinfection byproducts (Dibromoacetonitrile)  
 CAS Number: 3252-43-5

Date Report Requested: 10/22/2007  
 Time Report Requested: 08:24:14  
 First Dose M/F: 09/05/01 / 09/05/01  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)**  
**TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/L	50 MG/L	100 MG/L	200 MG/L

**Liver  
 Congestion**

**LESION RATES**

OVERALL (a)	0/50 (0%)	4/50 (8%)	2/50 (4%)	6/50 (12%)
POLY-3 RATE (b)	0/43.92	4/44.67	2/42.41	6/46.79
POLY-3 PERCENT (g)	0%	9%	4.7%	12.8%
TERMINAL (d)	0/31 (0%)	3/33 (9%)	2/25 (8%)	3/35 (9%)
FIRST INCIDENCE	---	695	729 (T)	13

**STATISTICAL TESTS**

LIFE TABLE	P=0.034*	P=0.071	P=0.192	P=0.027*
POLY 3	P=0.025*	P=0.062	P=0.229	P=0.019*
POLY 1.5	P=0.023*	P=0.061	P=0.232	P=0.017*
POLY 6	P=0.029*	P=0.064	P=0.224	P=0.021*
LOGISTIC REGRESSION	P=0.024*	P=0.066	P=0.192	P=0.021*
COCH-ARM / FISHERS	P=0.022*	P=0.059	P=0.247	P=0.013*
ORDER RESTRICTED	P=0.009**	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.012*	(e)	(e)	(e)

TDMS No. 96015 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Water disinfection byproducts (Dibromoacetonitrile)  
 CAS Number: 3252-43-5

Date Report Requested: 10/22/2007  
 Time Report Requested: 08:24:14  
 First Dose M/F: 09/05/01 / 09/05/01  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)**  
**TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/L	50 MG/L	100 MG/L	200 MG/L

Liver  
 Degeneration Cystic Focal

**LESION RATES**

OVERALL (a)	5/50 (10%)	5/50 (10%)	8/50 (16%)	4/50 (8%)
POLY-3 RATE (b)	5/43.92	5/44.60	8/43.26	4/45.66
POLY-3 PERCENT (g)	11.4%	11.2%	18.5%	8.8%
TERMINAL (d)	5/31 (16%)	4/33 (12%)	4/25 (16%)	4/35 (11%)
FIRST INCIDENCE	729 (T)	714	647	729 (T)

**STATISTICAL TESTS**

LIFE TABLE	P=0.406N	P=0.594N	P=0.182	P=0.423N
POLY 3	P=0.440N	P=0.621N	P=0.264	P=0.476N
POLY 1.5	P=0.462N	P=0.625N	P=0.267	P=0.492N
POLY 6	P=0.411N	P=0.614N	P=0.259	P=0.453N
LOGISTIC REGRESSION	P=0.418N	P=0.605N	P=0.240	P=0.423N
COCH-ARM / FISHERS	P=0.470N	P=0.630N	P=0.277	P=0.500N
ORDER RESTRICTED	P=0.382N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.394N	(e)	(e)	(e)

TDMS No. 96015 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Water disinfection byproducts (Dibromoacetonitrile)  
 CAS Number: 3252-43-5

Date Report Requested: 10/22/2007  
 Time Report Requested: 08:24:14  
 First Dose M/F: 09/05/01 / 09/05/01  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)**  
**TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/L	50 MG/L	100 MG/L	200 MG/L

**Liver**  
**Hematopoietic Cell Proliferation**

**LESION RATES**

OVERALL (a)	1/50 (2%)	3/50 (6%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	1/44.20	3/44.69	0/42.41	0/45.66
POLY-3 PERCENT (g)	2.3%	6.7%	0%	0%
TERMINAL (d)	0/31 (0%)	1/33 (3%)	0/25 (0%)	0/35 (0%)
FIRST INCIDENCE	652	706	---	---

**STATISTICAL TESTS**

LIFE TABLE	P=0.147N	P=0.323	P=0.505N	P=0.481N
POLY 3	P=0.148N	P=0.309	P=0.508N	P=0.494N
POLY 1.5	P=0.151N	P=0.307	P=0.505N	P=0.498N
POLY 6	P=0.144N	P=0.312	P=0.514N	P=0.487N
LOGISTIC REGRESSION	P=0.152N	P=0.307	P=0.484N	P=0.490N
COCH-ARM / FISHERS	P=0.153N	P=0.309	P=0.500N	P=0.500N
ORDER RESTRICTED	P=0.109N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.120N	(e)	(e)	(e)

TDMS No. 96015 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Water disinfection byproducts (Dibromoacetonitrile)  
 CAS Number: 3252-43-5

Date Report Requested: 10/22/2007  
 Time Report Requested: 08:24:14  
 First Dose M/F: 09/05/01 / 09/05/01  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)**  
**TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/L	50 MG/L	100 MG/L	200 MG/L

Liver  
 Hepatodiaphragmatic Nodule

**LESION RATES**

OVERALL (a)	5/50 (10%)	6/50 (12%)	3/50 (6%)	2/50 (4%)
POLY-3 RATE (b)	5/45.03	6/45.15	3/43.38	2/45.66
POLY-3 PERCENT (g)	11.1%	13.3%	6.9%	4.4%
TERMINAL (d)	3/31 (10%)	4/33 (12%)	1/25 (4%)	2/35 (6%)
FIRST INCIDENCE	491	559	496	729 (T)

**STATISTICAL TESTS**

LIFE TABLE	P=0.100N	P=0.529	P=0.423N	P=0.186N
POLY 3	P=0.105N	P=0.502	P=0.377N	P=0.210N
POLY 1.5	P=0.110N	P=0.500	P=0.370N	P=0.217N
POLY 6	P=0.099N	P=0.507	P=0.389N	P=0.200N
LOGISTIC REGRESSION	P=0.103N	P=0.494	P=0.304N	P=0.213N
COCH-ARM / FISHERS	P=0.109N	P=0.500	P=0.357N	P=0.218N
ORDER RESTRICTED	P=0.146N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.152N	(e)	(e)	(e)

TDMS No. 96015 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Water disinfection byproducts (Dibromoacetonitrile)  
 CAS Number: 3252-43-5

Date Report Requested: 10/22/2007  
 Time Report Requested: 08:24:14  
 First Dose M/F: 09/05/01 / 09/05/01  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)**  
**TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/L	50 MG/L	100 MG/L	200 MG/L

**Liver  
 Inflammation Chronic**

**LESION RATES**

OVERALL (a)	28/50 (56%)	31/50 (62%)	29/50 (58%)	34/50 (68%)
POLY-3 RATE (b)	28/45.45	31/46.22	29/45.48	34/46.18
POLY-3 PERCENT (g)	61.6%	67.1%	63.8%	73.6%
TERMINAL (d)	22/31 (71%)	27/33 (82%)	21/25 (84%)	30/35 (86%)
FIRST INCIDENCE	610	496	496	681

**STATISTICAL TESTS**

LIFE TABLE	P=0.314	P=0.469	P=0.155	P=0.386
POLY 3	P=0.141	P=0.367	P=0.501	P=0.147
POLY 1.5	P=0.129	P=0.357	P=0.497	P=0.132
POLY 6	P=0.157	P=0.373	P=0.485	P=0.170
LOGISTIC REGRESSION	P=0.215	P=0.374	P=0.426	P=0.293
COCH-ARM / FISHERS	P=0.152	P=0.342	P=0.500	P=0.151
ORDER RESTRICTED	P=0.159	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.165	(e)	(e)	(e)

TDMS No. 96015 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Water disinfection byproducts (Dibromoacetonitrile)  
 CAS Number: 3252-43-5

Date Report Requested: 10/22/2007  
 Time Report Requested: 08:24:14  
 First Dose M/F: 09/05/01 / 09/05/01  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)**  
**TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/L	50 MG/L	100 MG/L	200 MG/L

Liver  
 Necrosis

**LESION RATES**

OVERALL (a)	3/50 (6%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	3/44.67	0/44.54	0/42.41	0/45.66
POLY-3 PERCENT (g)	6.7%	0%	0%	0%
TERMINAL (d)	0/31 (0%)	0/33 (0%)	0/25 (0%)	0/35 (0%)
FIRST INCIDENCE	508	---	---	---

**STATISTICAL TESTS**

LIFE TABLE	P=0.049N*	P=0.122N	P=0.151N	P=0.111N
POLY 3	P=0.046N*	P=0.119N	P=0.128N	P=0.115N
POLY 1.5	P=0.045N*	P=0.119N	P=0.125N	P=0.118N
POLY 6	P=0.046N*	P=0.118N	P=0.134N	P=0.110N
LOGISTIC REGRESSION	P=0.039N*	P=0.121N	P=0.102N	P=0.108N
COCH-ARM / FISHERS	P=0.047N*	P=0.121N	P=0.121N	P=0.121N
ORDER RESTRICTED	P=0.007N**	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.009N**	(e)	(e)	(e)

TDMS No. 96015 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Water disinfection byproducts (Dibromoacetonitrile)  
 CAS Number: 3252-43-5

Date Report Requested: 10/22/2007  
 Time Report Requested: 08:24:14  
 First Dose M/F: 09/05/01 / 09/05/01  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)**  
**TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/L	50 MG/L	100 MG/L	200 MG/L

Liver: Bile Duct  
 Hyperplasia

**LESION RATES**

OVERALL (a)	45/50 (90%)	47/50 (94%)	47/50 (94%)	46/50 (92%)
POLY-3 RATE (b)	45/48.18	47/49.26	47/48.27	46/47.49
POLY-3 PERCENT (g)	93.4%	95.4%	97.4%	96.9%
TERMINAL (d)	30/31 (97%)	33/33 (100%)	25/25 (100%)	35/35 (100%)
FIRST INCIDENCE	491	461	496	538

**STATISTICAL TESTS**

LIFE TABLE	P=0.294N	P=0.552N	P=0.088	P=0.272N
POLY 3	P=0.242	P=0.504	P=0.303	P=0.357
POLY 1.5	P=0.255	P=0.432	P=0.281	P=0.342
POLY 6	P=0.269	P=0.613	P=0.415	P=0.426
LOGISTIC REGRESSION	P=0.411	P=0.362	P=0.234	P=0.572
COCH-ARM / FISHERS	P=0.482	P=0.357	P=0.357	P=0.500
ORDER RESTRICTED	P=0.236	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.243	(e)	(e)	(e)

TDMS No. 96015 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Water disinfection byproducts (Dibromoacetonitrile)  
 CAS Number: 3252-43-5

Date Report Requested: 10/22/2007  
 Time Report Requested: 08:24:14  
 First Dose M/F: 09/05/01 / 09/05/01  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)**  
**TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/L	50 MG/L	100 MG/L	200 MG/L

Liver: Hepatocyte  
 Basophilic Focus

**LESION RATES**

OVERALL (a)	26/50 (52%)	32/50 (64%)	23/50 (46%)	25/50 (50%)
POLY-3 RATE (b)	26/44.76	32/45.26	23/43.10	25/45.70
POLY-3 PERCENT (g)	58.1%	70.7%	53.4%	54.7%
TERMINAL (d)	22/31 (71%)	27/33 (82%)	21/25 (84%)	24/35 (69%)
FIRST INCIDENCE	619	664	619	720

**STATISTICAL TESTS**

LIFE TABLE	P=0.098N	P=0.232	P=0.417	P=0.242N
POLY 3	P=0.217N	P=0.140	P=0.405N	P=0.454N
POLY 1.5	P=0.255N	P=0.144	P=0.381N	P=0.494N
POLY 6	P=0.174N	P=0.141	P=0.458N	P=0.405N
LOGISTIC REGRESSION	P=0.091N	P=0.176	P=0.513N	P=0.254N
COCH-ARM / FISHERS	P=0.267N	P=0.156	P=0.345N	P=0.500N
ORDER RESTRICTED	P=0.230N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.239N	(e)	(e)	(e)

TDMS No. 96015 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Water disinfection byproducts (Dibromoacetonitrile)  
 CAS Number: 3252-43-5

Date Report Requested: 10/22/2007  
 Time Report Requested: 08:24:14  
 First Dose M/F: 09/05/01 / 09/05/01  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)**  
**TERMINAL SACRIFICE AT 105 WEEKS**

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DOSE	Males			
	0 MG/L	50 MG/L	100 MG/L	200 MG/L

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Liver: Hepatocyte  
 Clear Cell Focus

**LESION RATES**

OVERALL (a)	24/50 (48%)	22/50 (44%)	19/50 (38%)	22/50 (44%)
POLY-3 RATE (b)	24/44.46	22/45.36	19/42.41	22/45.66
POLY-3 PERCENT (g)	54%	48.5%	44.8%	48.2%
TERMINAL (d)	23/31 (74%)	20/33 (61%)	19/25 (76%)	22/35 (63%)
FIRST INCIDENCE	563	496	729 (T)	729 (T)

**STATISTICAL TESTS**

LIFE TABLE	P=0.191N	P=0.286N	P=0.557N	P=0.171N
POLY 3	P=0.343N	P=0.376N	P=0.253N	P=0.364N
POLY 1.5	P=0.376N	P=0.397N	P=0.236N	P=0.408N
POLY 6	P=0.296N	P=0.345N	P=0.290N	P=0.304N
LOGISTIC REGRESSION	P=0.201N	P=0.357N	P=0.404N	P=0.201N
COCH-ARM / FISHERS	P=0.377N	P=0.421N	P=0.210N	P=0.421N
ORDER RESTRICTED	P=0.372N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.383N	(e)	(e)	(e)

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TDMS No. 96015 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Water disinfection byproducts (Dibromoacetonitrile)  
 CAS Number: 3252-43-5

Date Report Requested: 10/22/2007  
 Time Report Requested: 08:24:14  
 First Dose M/F: 09/05/01 / 09/05/01  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)**  
**TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/L	50 MG/L	100 MG/L	200 MG/L

Liver: Hepatocyte  
 Cytologic Alterations Focal

**LESION RATES**

OVERALL (a)	1/50 (2%)	5/50 (10%)	2/50 (4%)	6/50 (12%)
POLY-3 RATE (b)	1/43.92	5/44.54	2/42.41	6/45.66
POLY-3 PERCENT (g)	2.3%	11.2%	4.7%	13.1%
TERMINAL (d)	1/31 (3%)	5/33 (15%)	2/25 (8%)	6/35 (17%)
FIRST INCIDENCE	729 (T)	729 (T)	729 (T)	729 (T)

**STATISTICAL TESTS**

LIFE TABLE	P=0.104	P=0.116	P=0.425	P=0.078
POLY 3	P=0.085	P=0.104	P=0.488	P=0.062
POLY 1.5	P=0.080	P=0.103	P=0.492	P=0.058
POLY 6	P=0.093	P=0.106	P=0.480	P=0.068
LOGISTIC REGRESSION	P=0.104	P=0.116	P=0.425	P=0.078
COCH-ARM / FISHERS	P=0.080	P=0.102	P=0.500	P=0.056
ORDER RESTRICTED	P=0.039*	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.045*	(e)	(e)	(e)

TDMS No. 96015 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Water disinfection byproducts (Dibromoacetonitrile)  
 CAS Number: 3252-43-5

Date Report Requested: 10/22/2007  
 Time Report Requested: 08:24:14  
 First Dose M/F: 09/05/01 / 09/05/01  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)**  
**TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/L	50 MG/L	100 MG/L	200 MG/L

Liver: Hepatocyte  
 Cytoplasmic Alteration Focal

**LESION RATES**

OVERALL (a)	2/50 (4%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	2/43.92	0/44.54	0/42.41	0/45.66
POLY-3 PERCENT (g)	4.6%	0%	0%	0%
TERMINAL (d)	2/31 (7%)	0/33 (0%)	0/25 (0%)	0/35 (0%)
FIRST INCIDENCE	729 (T)	---	---	---

**STATISTICAL TESTS**

LIFE TABLE	P=0.115N	P=0.224N	P=0.286N	P=0.212N
POLY 3	P=0.117N	P=0.234N	P=0.245N	P=0.228N
POLY 1.5	P=0.115N	P=0.236N	P=0.242N	P=0.235N
POLY 6	P=0.119N	P=0.231N	P=0.250N	P=0.221N
LOGISTIC REGRESSION	P=0.115N	(e)	(e)	(e)
COCH-ARM / FISHERS	P=0.115N	P=0.247N	P=0.247N	P=0.247N
ORDER RESTRICTED	P=0.027N*	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.032N*	(e)	(e)	(e)

TDMS No. 96015 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Water disinfection byproducts (Dibromoacetonitrile)  
 CAS Number: 3252-43-5

Date Report Requested: 10/22/2007  
 Time Report Requested: 08:24:14  
 First Dose M/F: 09/05/01 / 09/05/01  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)**  
**TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/L	50 MG/L	100 MG/L	200 MG/L

Liver: Hepatocyte  
 Eosinophilic Focus

**LESION RATES**

OVERALL (a)	7/50 (14%)	8/50 (16%)	4/50 (8%)	7/50 (14%)
POLY-3 RATE (b)	7/44.31	8/44.54	4/43.63	7/45.66
POLY-3 PERCENT (g)	15.8%	18%	9.2%	15.3%
TERMINAL (d)	6/31 (19%)	8/33 (24%)	1/25 (4%)	7/35 (20%)
FIRST INCIDENCE	619	729 (T)	568	729 (T)

**STATISTICAL TESTS**

LIFE TABLE	P=0.406N	P=0.550	P=0.345N	P=0.521N
POLY 3	P=0.453N	P=0.504	P=0.269N	P=0.590N
POLY 1.5	P=0.468N	P=0.502	P=0.268N	P=0.607N
POLY 6	P=0.433N	P=0.508	P=0.272N	P=0.567N
LOGISTIC REGRESSION	P=0.440N	P=0.530	P=0.261N	P=0.542N
COCH-ARM / FISHERS	P=0.472N	P=0.500	P=0.262N	P=0.613N
ORDER RESTRICTED	P=0.428N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.437N	(e)	(e)	(e)

TDMS No. 96015 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Water disinfection byproducts (Dibromoacetonitrile)  
 CAS Number: 3252-43-5

Date Report Requested: 10/22/2007  
 Time Report Requested: 08:24:14  
 First Dose M/F: 09/05/01 / 09/05/01  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)**  
**TERMINAL SACRIFICE AT 105 WEEKS**

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DOSE	Males			
	0 MG/L	50 MG/L	100 MG/L	200 MG/L

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Liver: Hepatocyte  
 Mixed Cell Focus

**LESION RATES**

OVERALL (a)	26/50 (52%)	24/50 (48%)	19/50 (38%)	29/50 (58%)
POLY-3 RATE (b)	26/44.20	24/44.54	19/43.05	29/45.93
POLY-3 PERCENT (g)	58.8%	53.9%	44.1%	63.2%
TERMINAL (d)	25/31 (81%)	24/33 (73%)	17/25 (68%)	27/35 (77%)
FIRST INCIDENCE	652	729 (T)	583	681

**STATISTICAL TESTS**

LIFE TABLE	P=0.463	P=0.236N	P=0.349N	P=0.570N
POLY 3	P=0.341	P=0.396N	P=0.114N	P=0.416
POLY 1.5	P=0.301	P=0.408N	P=0.115N	P=0.360
POLY 6	P=0.405	P=0.377N	P=0.116N	P=0.504
LOGISTIC REGRESSION	P=0.500	P=0.304N	P=0.208N	P=0.562N
COCH-ARM / FISHERS	P=0.299	P=0.421N	P=0.114N	P=0.344
ORDER RESTRICTED	P=0.221	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.233	(e)	(e)	(e)

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TDMS No. 96015 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Water disinfection byproducts (Dibromoacetonitrile)  
 CAS Number: 3252-43-5

Date Report Requested: 10/22/2007  
 Time Report Requested: 08:24:14  
 First Dose M/F: 09/05/01 / 09/05/01  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)**  
**TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/L	50 MG/L	100 MG/L	200 MG/L

Liver: Hepatocyte  
 Necrosis

**LESION RATES**

OVERALL (a)	0/50 (0%)	8/50 (16%)	7/50 (14%)	4/50 (8%)
POLY-3 RATE (b)	0/43.92	8/45.79	7/43.15	4/46.73
POLY-3 PERCENT (g)	0%	17.5%	16.2%	8.6%
TERMINAL (d)	0/31 (0%)	3/33 (9%)	1/25 (4%)	2/35 (6%)
FIRST INCIDENCE	---	580	652	13

**STATISTICAL TESTS**

LIFE TABLE	P=0.333	P=0.007**	P=0.007**	P=0.079
POLY 3	P=0.319	P=0.004**	P=0.007**	P=0.069
POLY 1.5	P=0.295	P=0.004**	P=0.007**	P=0.065
POLY 6	P=0.354	P=0.005**	P=0.006**	P=0.074
LOGISTIC REGRESSION	P=0.291	P=0.005**	P=0.008**	P=0.084
COCH-ARM / FISHERS	P=0.270	P=0.003**	P=0.006**	P=0.059
ORDER RESTRICTED	P=0.019*	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.024*	(e)	(e)	(e)

TDMS No. 96015 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Water disinfection byproducts (Dibromoacetonitrile)  
 CAS Number: 3252-43-5

Date Report Requested: 10/22/2007  
 Time Report Requested: 08:24:14  
 First Dose M/F: 09/05/01 / 09/05/01  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)**  
**TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/L	50 MG/L	100 MG/L	200 MG/L

Liver: Hepatocyte  
 Vacuolization Cytoplasmic

**LESION RATES**

OVERALL (a)	37/50 (74%)	37/50 (74%)	36/50 (72%)	29/50 (58%)
POLY-3 RATE (b)	37/47.94	37/47.93	36/45.74	29/46.91
POLY-3 PERCENT (g)	77.2%	77.2%	78.7%	61.8%
TERMINAL (d)	23/31 (74%)	28/33 (85%)	21/25 (84%)	23/35 (66%)
FIRST INCIDENCE	507	461	583	538

**STATISTICAL TESTS**

LIFE TABLE	P=0.027N*	P=0.444N	P=0.265	P=0.035N*
POLY 3	P=0.039N*	P=0.598	P=0.530	P=0.075N
POLY 1.5	P=0.044N*	P=0.591N	P=0.583	P=0.080N
POLY 6	P=0.035N*	P=0.583	P=0.462	P=0.071N
LOGISTIC REGRESSION	P=0.027N*	P=0.580N	P=0.574N	P=0.059N
COCH-ARM / FISHERS	P=0.037N*	P=0.590N	P=0.500N	P=0.069N
ORDER RESTRICTED	P=0.048N*	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.054N	(e)	(e)	(e)

TDMS No. 96015 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Water disinfection byproducts (Dibromoacetonitrile)  
 CAS Number: 3252-43-5

Date Report Requested: 10/22/2007  
 Time Report Requested: 08:24:14  
 First Dose M/F: 09/05/01 / 09/05/01  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)**  
**TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/L	50 MG/L	100 MG/L	200 MG/L

**Lung  
 Congestion**

**LESION RATES**

OVERALL (a)	1/50 (2%)	1/50 (2%)	2/50 (4%)	1/50 (2%)
POLY-3 RATE (b)	1/44.11	1/44.67	2/42.49	1/45.74
POLY-3 PERCENT (g)	2.3%	2.2%	4.7%	2.2%
TERMINAL (d)	0/31 (0%)	0/33 (0%)	0/25 (0%)	0/35 (0%)
FIRST INCIDENCE	679	695	720	710

**STATISTICAL TESTS**

LIFE TABLE	P=0.607N	P=0.755N	P=0.445	P=0.729N
POLY 3	P=0.606	P=0.758N	P=0.487	P=0.753N
POLY 1.5	P=0.595	P=0.759N	P=0.492	P=0.758N
POLY 6	P=0.621	P=0.756N	P=0.478	P=0.745N
LOGISTIC REGRESSION	P=0.596	P=0.762	P=0.486	P=0.762N
COCH-ARM / FISHERS	P=0.591	P=0.753N	P=0.500	P=0.753N
ORDER RESTRICTED	P=0.582	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.586	(e)	(e)	(e)

TDMS No. 96015 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Water disinfection byproducts (Dibromoacetonitrile)  
 CAS Number: 3252-43-5

Date Report Requested: 10/22/2007  
 Time Report Requested: 08:24:14  
 First Dose M/F: 09/05/01 / 09/05/01  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)**  
**TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/L	50 MG/L	100 MG/L	200 MG/L

**Lung Hemorrhage**

**LESION RATES**

OVERALL (a)	0/50 (0%)	0/50 (0%)	1/50 (2%)	1/50 (2%)
POLY-3 RATE (b)	0/43.92	0/44.54	1/42.81	1/45.85
POLY-3 PERCENT (g)	0%	0%	2.3%	2.2%
TERMINAL (d)	0/31 (0%)	0/33 (0%)	0/25 (0%)	0/35 (0%)
FIRST INCIDENCE	---	---	616	680

**STATISTICAL TESTS**

LIFE TABLE	P=0.260	(e)	P=0.505	P=0.534
POLY 3	P=0.248	(e)	P=0.495	P=0.509
POLY 1.5	P=0.240	(e)	P=0.497	P=0.503
POLY 6	P=0.259	(e)	P=0.492	P=0.517
LOGISTIC REGRESSION	P=0.248	(e)	P=0.539	P=0.501
COCH-ARM / FISHERS	P=0.236	(e)	P=0.500	P=0.500
ORDER RESTRICTED	P=0.246	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.259	(e)	(e)	(e)

TDMS No. 96015 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Water disinfection byproducts (Dibromoacetonitrile)  
 CAS Number: 3252-43-5

Date Report Requested: 10/22/2007  
 Time Report Requested: 08:24:14  
 First Dose M/F: 09/05/01 / 09/05/01  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)**  
**TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/L	50 MG/L	100 MG/L	200 MG/L

Lung  
 Infiltration Cellular Mixed Cell

**LESION RATES**

OVERALL (a)	0/50 (0%)	2/50 (4%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/43.92	2/45.09	0/42.41	0/45.66
POLY-3 PERCENT (g)	0%	4.4%	0%	0%
TERMINAL (d)	0/31 (0%)	0/33 (0%)	0/25 (0%)	0/35 (0%)
FIRST INCIDENCE	---	594	---	---

**STATISTICAL TESTS**

LIFE TABLE	P=0.399N	P=0.240	(e)	(e)
POLY 3	P=0.397N	P=0.243	(e)	(e)
POLY 1.5	P=0.402N	P=0.240	(e)	(e)
POLY 6	P=0.388N	P=0.247	(e)	(e)
LOGISTIC REGRESSION	P=0.386N	P=0.233	(e)	(e)
COCH-ARM / FISHERS	P=0.405N	P=0.247	(e)	(e)
ORDER RESTRICTED	P=0.244N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.256N	(e)	(e)	(e)

TDMS No. 96015 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Water disinfection byproducts (Dibromoacetonitrile)  
 CAS Number: 3252-43-5

Date Report Requested: 10/22/2007  
 Time Report Requested: 08:24:14  
 First Dose M/F: 09/05/01 / 09/05/01  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)**  
**TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/L	50 MG/L	100 MG/L	200 MG/L

**Lung  
 Inflammation**

**LESION RATES**

OVERALL (a)	2/50 (4%)	2/50 (4%)	0/50 (0%)	2/50 (4%)
POLY-3 RATE (b)	2/44.28	2/44.54	0/42.41	2/45.66
POLY-3 PERCENT (g)	4.5%	4.5%	0%	4.4%
TERMINAL (d)	1/31 (3%)	2/33 (6%)	0/25 (0%)	2/35 (6%)
FIRST INCIDENCE	627	729 (T)	---	729 (T)

**STATISTICAL TESTS**

LIFE TABLE	P=0.523N	P=0.675N	P=0.266N	P=0.652N
POLY 3	P=0.554N	P=0.692N	P=0.247N	P=0.683N
POLY 1.5	P=0.557N	P=0.693N	P=0.243N	P=0.691N
POLY 6	P=0.551N	P=0.691N	P=0.253N	P=0.672N
LOGISTIC REGRESSION	P=0.539N	P=0.692N	P=0.233N	P=0.692N
COCH-ARM / FISHERS	P=0.556N	P=0.691N	P=0.247N	P=0.691N
ORDER RESTRICTED	P=0.442N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.450N	(e)	(e)	(e)

TDMS No. 96015 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Water disinfection byproducts (Dibromoacetonitrile)  
 CAS Number: 3252-43-5

Date Report Requested: 10/22/2007  
 Time Report Requested: 08:24:14  
 First Dose M/F: 09/05/01 / 09/05/01  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)**  
**TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/L	50 MG/L	100 MG/L	200 MG/L

**Lung: Alveolar Epithelium  
 Hyperplasia**

**LESION RATES**

OVERALL (a)	12/50 (24%)	10/50 (20%)	8/50 (16%)	6/50 (12%)
POLY-3 RATE (b)	12/45.55	10/45.51	8/42.88	6/45.89
POLY-3 PERCENT (g)	26.3%	22%	18.7%	13.1%
TERMINAL (d)	8/31 (26%)	6/33 (18%)	5/25 (20%)	4/35 (11%)
FIRST INCIDENCE	549	496	647	681

**STATISTICAL TESTS**

LIFE TABLE	P=0.056N	P=0.365N	P=0.365N	P=0.067N
POLY 3	P=0.064N	P=0.404N	P=0.271N	P=0.090N
POLY 1.5	P=0.069N	P=0.405N	P=0.253N	P=0.096N
POLY 6	P=0.059N	P=0.404N	P=0.301N	P=0.082N
LOGISTIC REGRESSION	P=0.064N	P=0.405N	P=0.244N	P=0.095N
COCH-ARM / FISHERS	P=0.068N	P=0.405N	P=0.227N	P=0.096N
ORDER RESTRICTED	P=0.080N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.085N	(e)	(e)	(e)

TDMS No. 96015 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Water disinfection byproducts (Dibromoacetonitrile)  
 CAS Number: 3252-43-5

Date Report Requested: 10/22/2007  
 Time Report Requested: 08:24:14  
 First Dose M/F: 09/05/01 / 09/05/01  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)**  
**TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/L	50 MG/L	100 MG/L	200 MG/L

**Lymph Node, Mesenteric  
 Ectasia**

**LESION RATES**

OVERALL (a)	2/50 (4%)	2/50 (4%)	2/50 (4%)	4/50 (8%)
POLY-3 RATE (b)	2/44.58	2/44.54	2/42.41	4/45.82
POLY-3 PERCENT (g)	4.5%	4.5%	4.7%	8.7%
TERMINAL (d)	1/31 (3%)	2/33 (6%)	2/25 (8%)	3/35 (9%)
FIRST INCIDENCE	507	729 (T)	729 (T)	689

**STATISTICAL TESTS**

LIFE TABLE	P=0.258	P=0.679N	P=0.631	P=0.385
POLY 3	P=0.230	P=0.694	P=0.676	P=0.350
POLY 1.5	P=0.223	P=0.693	P=0.683	P=0.340
POLY 6	P=0.241	P=0.693N	P=0.666	P=0.365
LOGISTIC REGRESSION	P=0.226	P=0.692	P=0.686N	P=0.337
COCH-ARM / FISHERS	P=0.221	P=0.691N	P=0.691N	P=0.339
ORDER RESTRICTED	P=0.302	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.311	(e)	(e)	(e)

TDMS No. 96015 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Water disinfection byproducts (Dibromoacetonitrile)  
 CAS Number: 3252-43-5

Date Report Requested: 10/22/2007  
 Time Report Requested: 08:24:14  
 First Dose M/F: 09/05/01 / 09/05/01  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)**  
**TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/L	50 MG/L	100 MG/L	200 MG/L

**Lymph Node, Mesenteric Hemorrhage**

**LESION RATES**

OVERALL (a)	0/50 (0%)	1/50 (2%)	1/50 (2%)	2/50 (4%)
POLY-3 RATE (b)	0/43.92	1/44.67	1/42.41	2/45.85
POLY-3 PERCENT (g)	0%	2.2%	2.4%	4.4%
TERMINAL (d)	0/31 (0%)	0/33 (0%)	1/25 (4%)	1/35 (3%)
FIRST INCIDENCE	---	695	729 (T)	680

**STATISTICAL TESTS**

LIFE TABLE	P=0.182	P=0.505	P=0.457	P=0.272
POLY 3	P=0.163	P=0.503	P=0.493	P=0.247
POLY 1.5	P=0.156	P=0.502	P=0.496	P=0.240
POLY 6	P=0.172	P=0.506	P=0.489	P=0.256
LOGISTIC REGRESSION	P=0.159	P=0.500	P=0.457	P=0.240
COCH-ARM / FISHERS	P=0.153	P=0.500	P=0.500	P=0.247
ORDER RESTRICTED	P=0.124	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.136	(e)	(e)	(e)

TDMS No. 96015 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Water disinfection byproducts (Dibromoacetonitrile)  
 CAS Number: 3252-43-5

Date Report Requested: 10/22/2007  
 Time Report Requested: 08:24:14  
 First Dose M/F: 09/05/01 / 09/05/01  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)**  
**TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/L	50 MG/L	100 MG/L	200 MG/L

**Lymph Node, Mesenteric  
 Hyperplasia Lymphoid**

**LESION RATES**

OVERALL (a)	2/50 (4%)	4/50 (8%)	2/50 (4%)	3/50 (6%)
POLY-3 RATE (b)	2/43.92	4/45.42	2/42.94	3/45.70
POLY-3 PERCENT (g)	4.6%	8.8%	4.7%	6.6%
TERMINAL (d)	2/31 (7%)	1/33 (3%)	1/25 (4%)	2/35 (6%)
FIRST INCIDENCE	729 (T)	563	568	720

**STATISTICAL TESTS**

LIFE TABLE	P=0.561	P=0.360	P=0.639	P=0.557
POLY 3	P=0.538	P=0.353	P=0.686	P=0.518
POLY 1.5	P=0.525	P=0.345	P=0.688	P=0.506
POLY 6	P=0.557	P=0.364	P=0.681	P=0.535
LOGISTIC REGRESSION	P=0.521	P=0.335	P=0.694	P=0.557
COCH-ARM / FISHERS	P=0.521	P=0.339	P=0.691N	P=0.500
ORDER RESTRICTED	P=0.531	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.537	(e)	(e)	(e)

TDMS No. 96015 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Water disinfection byproducts (Dibromoacetonitrile)  
 CAS Number: 3252-43-5

Date Report Requested: 10/22/2007  
 Time Report Requested: 08:24:14  
 First Dose M/F: 09/05/01 / 09/05/01  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)**  
**TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/L	50 MG/L	100 MG/L	200 MG/L

**Lymph Node: Mediastinal Ectasia**

**LESION RATES**

OVERALL (a)	1/26 (4%)	1/24 (4%)	3/19 (16%)	1/21 (5%)
POLY-3 RATE (b)	1/21.72	1/20.08	3/15.53	1/17.62
POLY-3 PERCENT (g)	4.6%	5%	19.3%	5.7%
TERMINAL (d)	1/12 (8%)	1/12 (8%)	1/6 (17%)	1/10 (10%)
FIRST INCIDENCE	729 (T)	729 (T)	622	729 (T)

**STATISTICAL TESTS**

LIFE TABLE	P=0.501	P=0.765	P=0.183	P=0.724
POLY 3	P=0.473	P=0.744	P=0.184	P=0.715
POLY 1.5	P=0.457	P=0.743	P=0.186	P=0.708
POLY 6	P=0.496	P=0.746	P=0.181	P=0.724
LOGISTIC REGRESSION	P=0.478	P=0.765	P=0.176	P=0.724
COCH-ARM / FISHERS	P=0.470	P=0.735	P=0.195	P=0.699
ORDER RESTRICTED	P=0.306	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.334	(e)	(e)	(e)

TDMS No. 96015 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Water disinfection byproducts (Dibromoacetonitrile)  
 CAS Number: 3252-43-5

Date Report Requested: 10/22/2007  
 Time Report Requested: 08:24:14  
 First Dose M/F: 09/05/01 / 09/05/01  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)**  
**TERMINAL SACRIFICE AT 105 WEEKS**

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DOSE	Males			
	0 MG/L	50 MG/L	100 MG/L	200 MG/L

---

**Lymph Node: Mediastinal Hemorrhage**

**LESION RATES**

OVERALL (a)	4/26 (15%)	2/24 (8%)	1/19 (5%)	4/21 (19%)
POLY-3 RATE (b)	4/22.54	2/20.08	1/16.03	4/17.80
POLY-3 PERCENT (g)	17.7%	10%	6.2%	22.5%
TERMINAL (d)	1/12 (8%)	2/12 (17%)	0/6 (0%)	2/10 (20%)
FIRST INCIDENCE	610	729 (T)	251	689

**STATISTICAL TESTS**

LIFE TABLE	P=0.478	P=0.336N	P=0.239N	P=0.637
POLY 3	P=0.396	P=0.388N	P=0.288N	P=0.509
POLY 1.5	P=0.390	P=0.380N	P=0.282N	P=0.501
POLY 6	P=0.401	P=0.400N	P=0.307N	P=0.519
LOGISTIC REGRESSION	P=0.412	P=0.370N	P=0.184N	P=0.517
COCH-ARM / FISHERS	P=0.401	P=0.373N	P=0.286N	P=0.519
ORDER RESTRICTED	P=0.267	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.300	(e)	(e)	(e)

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TDMS No. 96015 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Water disinfection byproducts (Dibromoacetonitrile)  
 CAS Number: 3252-43-5

Date Report Requested: 10/22/2007  
 Time Report Requested: 08:24:14  
 First Dose M/F: 09/05/01 / 09/05/01  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)**  
**TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/L	50 MG/L	100 MG/L	200 MG/L

**Lymph Node: Mediastinal  
 Hyperplasia Lymphoid**

**LESION RATES**

OVERALL (a)	0/26 (0%)	2/24 (8%)	4/19 (21%)	1/21 (5%)
POLY-3 RATE (b)	0/21.72	2/20.62	4/16.08	1/17.62
POLY-3 PERCENT (g)	0%	9.7%	24.9%	5.7%
TERMINAL (d)	0/12 (0%)	1/12 (8%)	2/6 (33%)	1/10 (10%)
FIRST INCIDENCE	---	563	568	729 (T)

**STATISTICAL TESTS**

LIFE TABLE	P=0.372	P=0.240	P=0.029*	P=0.464
POLY 3	P=0.326	P=0.222	P=0.021*	P=0.458
POLY 1.5	P=0.310	P=0.219	P=0.021*	P=0.453
POLY 6	P=0.350	P=0.226	P=0.021*	P=0.465
LOGISTIC REGRESSION	P=0.338	P=0.218	P=0.029*	P=0.464
COCH-ARM / FISHERS	P=0.332	P=0.225	P=0.026*	P=0.447
ORDER RESTRICTED	P=0.074	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.094	(e)	(e)	(e)

TDMS No. 96015 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Water disinfection byproducts (Dibromoacetonitrile)  
 CAS Number: 3252-43-5

Date Report Requested: 10/22/2007  
 Time Report Requested: 08:24:14  
 First Dose M/F: 09/05/01 / 09/05/01  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)**  
**TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/L	50 MG/L	100 MG/L	200 MG/L

Lymph Node: Pancreatic  
 Ectasia

**LESION RATES**

OVERALL (a)	0/26 (0%)	2/24 (8%)	1/19 (5%)	2/21 (10%)
POLY-3 RATE (b)	0/21.72	2/20.33	1/15.07	2/17.62
POLY-3 PERCENT (g)	0%	9.8%	6.6%	11.4%
TERMINAL (d)	0/12 (0%)	1/12 (8%)	1/6 (17%)	2/10 (20%)
FIRST INCIDENCE	---	664	729 (T)	729 (T)

**STATISTICAL TESTS**

LIFE TABLE	P=0.199	P=0.250	P=0.362	P=0.195
POLY 3	P=0.185	P=0.219	P=0.427	P=0.187
POLY 1.5	P=0.179	P=0.217	P=0.430	P=0.182
POLY 6	P=0.195	P=0.221	P=0.420	P=0.193
LOGISTIC REGRESSION	P=0.198	P=0.218	P=0.362	P=0.195
COCH-ARM / FISHERS	P=0.186	P=0.225	P=0.422	P=0.194
ORDER RESTRICTED	P=0.114	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.140	(e)	(e)	(e)

TDMS No. 96015 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Water disinfection byproducts (Dibromoacetonitrile)  
 CAS Number: 3252-43-5

Date Report Requested: 10/22/2007  
 Time Report Requested: 08:24:14  
 First Dose M/F: 09/05/01 / 09/05/01  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)**  
**TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/L	50 MG/L	100 MG/L	200 MG/L

**Lymph Node: Pancreatic Hemorrhage**

**LESION RATES**

OVERALL (a)	1/26 (4%)	3/24 (13%)	1/19 (5%)	4/21 (19%)
POLY-3 RATE (b)	1/21.72	3/20.85	1/15.07	4/17.83
POLY-3 PERCENT (g)	4.6%	14.4%	6.6%	22.4%
TERMINAL (d)	1/12 (8%)	1/12 (8%)	1/6 (17%)	2/10 (20%)
FIRST INCIDENCE	729 (T)	559	729 (T)	680

**STATISTICAL TESTS**

LIFE TABLE	P=0.140	P=0.315	P=0.602	P=0.163
POLY 3	P=0.098	P=0.286	P=0.678	P=0.112
POLY 1.5	P=0.094	P=0.280	P=0.681	P=0.106
POLY 6	P=0.105	P=0.296	P=0.670	P=0.122
LOGISTIC REGRESSION	P=0.100	P=0.273	P=0.602	P=0.125
COCH-ARM / FISHERS	P=0.101	P=0.275	P=0.672	P=0.115
ORDER RESTRICTED	P=0.058	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.076	(e)	(e)	(e)

TDMS No. 96015 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Water disinfection byproducts (Dibromoacetonitrile)  
 CAS Number: 3252-43-5

Date Report Requested: 10/22/2007  
 Time Report Requested: 08:24:14  
 First Dose M/F: 09/05/01 / 09/05/01  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)**  
**TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/L	50 MG/L	100 MG/L	200 MG/L

**Mammary Gland  
 Dilatation**

**LESION RATES**

OVERALL (a)	13/46 (28%)	9/49 (18%)	14/47 (30%)	9/46 (20%)
POLY-3 RATE (b)	13/42.54	9/45.03	14/43.43	9/43.14
POLY-3 PERCENT (g)	30.6%	20%	32.2%	20.9%
TERMINAL (d)	6/29 (21%)	5/32 (16%)	5/24 (21%)	6/33 (18%)
FIRST INCIDENCE	610	496	568	681

**STATISTICAL TESTS**

LIFE TABLE	P=0.241N	P=0.207N	P=0.374	P=0.168N
POLY 3	P=0.289N	P=0.185N	P=0.526	P=0.218N
POLY 1.5	P=0.299N	P=0.184N	P=0.528	P=0.224N
POLY 6	P=0.276N	P=0.189N	P=0.514	P=0.210N
LOGISTIC REGRESSION	P=0.327N	P=0.182N	P=0.547	P=0.220N
COCH-ARM / FISHERS	P=0.309N	P=0.184N	P=0.527	P=0.232N
ORDER RESTRICTED	P=0.243N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.246N	(e)	(e)	(e)

TDMS No. 96015 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Water disinfection byproducts (Dibromoacetonitrile)  
 CAS Number: 3252-43-5

Date Report Requested: 10/22/2007  
 Time Report Requested: 08:24:14  
 First Dose M/F: 09/05/01 / 09/05/01  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)**  
**TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/L	50 MG/L	100 MG/L	200 MG/L

**Mammary Gland  
 Fibrosis**

**LESION RATES**

OVERALL (a)	1/46 (2%)	0/49 (0%)	0/47 (0%)	0/46 (0%)
POLY-3 RATE (b)	1/41.03	0/43.54	0/40.62	0/42.80
POLY-3 PERCENT (g)	2.4%	0%	0%	0%
TERMINAL (d)	1/29 (3%)	0/32 (0%)	0/24 (0%)	0/33 (0%)
FIRST INCIDENCE	729 (T)	---	---	---

**STATISTICAL TESTS**

LIFE TABLE	P=0.301N	P=0.480N	P=0.538N	P=0.474N
POLY 3	P=0.312N	P=0.488N	P=0.502N	P=0.492N
POLY 1.5	P=0.310N	P=0.488N	P=0.499N	P=0.496N
POLY 6	P=0.316N	P=0.488N	P=0.508N	P=0.486N
LOGISTIC REGRESSION	P=0.301N	(e)	(e)	(e)
COCH-ARM / FISHERS	P=0.307N	P=0.484N	P=0.495N	P=0.500N
ORDER RESTRICTED	P=0.112N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.120N	(e)	(e)	(e)

TDMS No. 96015 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Water disinfection byproducts (Dibromoacetonitrile)  
 CAS Number: 3252-43-5

Date Report Requested: 10/22/2007  
 Time Report Requested: 08:24:14  
 First Dose M/F: 09/05/01 / 09/05/01  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)**  
**TERMINAL SACRIFICE AT 105 WEEKS**

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DOSE	Males			
	0 MG/L	50 MG/L	100 MG/L	200 MG/L

---

**Mammary Gland  
 Galactocele**

**LESION RATES**

OVERALL (a)	0/46 (0%)	0/49 (0%)	0/47 (0%)	0/46 (0%)
POLY-3 RATE (b)	0/41.03	0/43.54	0/40.62	0/42.80
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/29 (0%)	0/32 (0%)	0/24 (0%)	0/33 (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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TDMS No. 96015 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Water disinfection byproducts (Dibromoacetonitrile)  
 CAS Number: 3252-43-5

Date Report Requested: 10/22/2007  
 Time Report Requested: 08:24:14  
 First Dose M/F: 09/05/01 / 09/05/01  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)**  
**TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/L	50 MG/L	100 MG/L	200 MG/L

Mesentery: Fat  
 Necrosis Focal

**LESION RATES**

OVERALL (a)	9/14 (64%)	10/18 (56%)	12/18 (67%)	7/15 (47%)
POLY-3 RATE (b)	9/12.28	10/16.38	12/16.24	7/12.47
POLY-3 PERCENT (g)	73.3%	61.1%	73.9%	56.1%
TERMINAL (d)	4/5 (80%)	5/8 (63%)	7/8 (88%)	7/8 (88%)
FIRST INCIDENCE	507	496	583	729 (T)

**STATISTICAL TESTS**

LIFE TABLE	P=0.110N	P=0.480N	P=0.516	P=0.078N
POLY 3	P=0.314N	P=0.383N	P=0.662	P=0.308N
POLY 1.5	P=0.293N	P=0.413N	P=0.630	P=0.300N
POLY 6	P=0.343N	P=0.345N	P=0.692N	P=0.321N
LOGISTIC REGRESSION	P=0.198N	P=0.403N	P=0.632N	P=0.172N
COCH-ARM / FISHERS	P=0.258N	P=0.447N	P=0.590	P=0.282N
ORDER RESTRICTED	P=0.300N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.288N	(e)	(e)	(e)

TDMS No. 96015 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Water disinfection byproducts (Dibromoacetonitrile)  
 CAS Number: 3252-43-5

Date Report Requested: 10/22/2007  
 Time Report Requested: 08:24:14  
 First Dose M/F: 09/05/01 / 09/05/01  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)**  
**TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/L	50 MG/L	100 MG/L	200 MG/L

**Nose  
 Inflammation**

**LESION RATES**

OVERALL (a)	0/50 (0%)	0/50 (0%)	1/50 (2%)	2/50 (4%)
POLY-3 RATE (b)	0/43.92	0/44.54	1/42.45	2/45.76
POLY-3 PERCENT (g)	0%	0%	2.4%	4.4%
TERMINAL (d)	0/31 (0%)	0/33 (0%)	0/25 (0%)	1/35 (3%)
FIRST INCIDENCE	---	---	720	704

**STATISTICAL TESTS**

LIFE TABLE	P=0.089	(e)	P=0.466	P=0.265
POLY 3	P=0.074	(e)	P=0.493	P=0.246
POLY 1.5	P=0.071	(e)	P=0.496	P=0.240
POLY 6	P=0.078	(e)	P=0.489	P=0.255
LOGISTIC REGRESSION	P=0.080	(e)	P=0.481	P=0.250
COCH-ARM / FISHERS	P=0.070	(e)	P=0.500	P=0.247
ORDER RESTRICTED	P=0.079	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.089	(e)	(e)	(e)

TDMS No. 96015 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Water disinfection byproducts (Dibromoacetonitrile)  
 CAS Number: 3252-43-5

Date Report Requested: 10/22/2007  
 Time Report Requested: 08:24:14  
 First Dose M/F: 09/05/01 / 09/05/01  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)**  
**TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/L	50 MG/L	100 MG/L	200 MG/L

**Nose: Nasolacrimal Duct  
 Inflammation**

**LESION RATES**

OVERALL (a)	2/50 (4%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	2/44.49	0/44.54	0/42.41	0/45.66
POLY-3 PERCENT (g)	4.5%	0%	0%	0%
TERMINAL (d)	1/31 (3%)	0/33 (0%)	0/25 (0%)	0/35 (0%)
FIRST INCIDENCE	549	---	---	---

**STATISTICAL TESTS**

LIFE TABLE	P=0.116N	P=0.233N	P=0.263N	P=0.226N
POLY 3	P=0.116N	P=0.237N	P=0.248N	P=0.231N
POLY 1.5	P=0.115N	P=0.237N	P=0.244N	P=0.236N
POLY 6	P=0.117N	P=0.236N	P=0.254N	P=0.225N
LOGISTIC REGRESSION	P=0.098N	P=0.239N	P=0.207N	P=0.217N
COCH-ARM / FISHERS	P=0.115N	P=0.247N	P=0.247N	P=0.247N
ORDER RESTRICTED	P=0.028N*	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.032N*	(e)	(e)	(e)

TDMS No. 96015 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Water disinfection byproducts (Dibromoacetonitrile)  
 CAS Number: 3252-43-5

Date Report Requested: 10/22/2007  
 Time Report Requested: 08:24:14  
 First Dose M/F: 09/05/01 / 09/05/01  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)**  
**TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/L	50 MG/L	100 MG/L	200 MG/L

**Oral Mucosa  
Hyperplasia**

**LESION RATES**

OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/43.92	0/44.54	0/42.41	0/45.66
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/31 (0%)	0/33 (0%)	0/25 (0%)	0/35 (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. 96015 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Water disinfection byproducts (Dibromoacetonitrile)  
 CAS Number: 3252-43-5

Date Report Requested: 10/22/2007  
 Time Report Requested: 08:24:14  
 First Dose M/F: 09/05/01 / 09/05/01  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)**  
**TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/L	50 MG/L	100 MG/L	200 MG/L

**Pancreas  
 Inflammation**

**LESION RATES**

OVERALL (a)	0/49 (0%)	2/50 (4%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/42.97	2/45.00	0/42.41	0/45.66
POLY-3 PERCENT (g)	0%	4.4%	0%	0%
TERMINAL (d)	0/31 (0%)	1/33 (3%)	0/25 (0%)	0/35 (0%)
FIRST INCIDENCE	---	594	---	---

**STATISTICAL TESTS**

LIFE TABLE	P=0.396N	P=0.244	(e)	(e)
POLY 3	P=0.393N	P=0.247	(e)	(e)
POLY 1.5	P=0.399N	P=0.245	(e)	(e)
POLY 6	P=0.385N	P=0.251	(e)	(e)
LOGISTIC REGRESSION	P=0.391N	P=0.238	(e)	(e)
COCH-ARM / FISHERS	P=0.402N	P=0.253	(e)	(e)
ORDER RESTRICTED	P=0.244N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.257N	(e)	(e)	(e)

TDMS No. 96015 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Water disinfection byproducts (Dibromoacetonitrile)  
 CAS Number: 3252-43-5

Date Report Requested: 10/22/2007  
 Time Report Requested: 08:24:14  
 First Dose M/F: 09/05/01 / 09/05/01  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)**  
**TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/L	50 MG/L	100 MG/L	200 MG/L

**Pancreas: Acinus  
 Atrophy Focal**

**LESION RATES**

OVERALL (a)	24/49 (49%)	37/50 (74%)	33/50 (66%)	30/50 (60%)
POLY-3 RATE (b)	24/43.82	37/48.08	33/47.02	30/46.42
POLY-3 PERCENT (g)	54.8%	77%	70.2%	64.6%
TERMINAL (d)	18/31 (58%)	27/33 (82%)	18/25 (72%)	24/35 (69%)
FIRST INCIDENCE	606	461	251	680

**STATISTICAL TESTS**

LIFE TABLE	P=0.528	P=0.028*	P=0.014*	P=0.367
POLY 3	P=0.403	P=0.016*	P=0.087	P=0.224
POLY 1.5	P=0.348	P=0.012*	P=0.077	P=0.188
POLY 6	P=0.486	P=0.024*	P=0.100	P=0.285
LOGISTIC REGRESSION	P=0.374	P=0.009**	P=0.049*	P=0.339
COCH-ARM / FISHERS	P=0.349	P=0.009**	P=0.065	P=0.184
ORDER RESTRICTED	P=0.073	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.083	(e)	(e)	(e)

TDMS No. 96015 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Water disinfection byproducts (Dibromoacetonitrile)  
 CAS Number: 3252-43-5

Date Report Requested: 10/22/2007  
 Time Report Requested: 08:24:14  
 First Dose M/F: 09/05/01 / 09/05/01  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)**  
**TERMINAL SACRIFICE AT 105 WEEKS**

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DOSE	Males			
	0 MG/L	50 MG/L	100 MG/L	200 MG/L

---

**Pancreas: Duct  
 Cyst**

**LESION RATES**

OVERALL (a)	24/49 (49%)	21/50 (42%)	24/50 (48%)	16/50 (32%)
POLY-3 RATE (b)	24/44.33	21/45.38	24/43.81	16/46.15
POLY-3 PERCENT (g)	54.1%	46.3%	54.8%	34.7%
TERMINAL (d)	20/31 (65%)	18/33 (55%)	15/25 (60%)	12/35 (34%)
FIRST INCIDENCE	507	559	619	680

**STATISTICAL TESTS**

LIFE TABLE	P=0.042N*	P=0.245N	P=0.249	P=0.030N*
POLY 3	P=0.045N*	P=0.293N	P=0.563	P=0.045N*
POLY 1.5	P=0.060N	P=0.303N	P=0.578	P=0.057N
POLY 6	P=0.029N*	P=0.273N	P=0.546	P=0.031N*
LOGISTIC REGRESSION	P=0.033N*	P=0.267N	P=0.535	P=0.036N*
COCH-ARM / FISHERS	P=0.066N	P=0.310N	P=0.541N	P=0.064N
ORDER RESTRICTED	P=0.040N*	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.046N*	(e)	(e)	(e)

---

TDMS No. 96015 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Water disinfection byproducts (Dibromoacetonitrile)  
 CAS Number: 3252-43-5

Date Report Requested: 10/22/2007  
 Time Report Requested: 08:24:14  
 First Dose M/F: 09/05/01 / 09/05/01  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)**  
**TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/L	50 MG/L	100 MG/L	200 MG/L

**Parathyroid Gland  
 Hyperplasia**

**LESION RATES**

OVERALL (a)	0/46 (0%)	0/44 (0%)	2/43 (5%)	2/47 (4%)
POLY-3 RATE (b)	0/39.92	0/39.08	2/36.10	2/42.70
POLY-3 PERCENT (g)	0%	0%	5.5%	4.7%
TERMINAL (d)	0/27 (0%)	0/28 (0%)	0/21 (0%)	2/33 (6%)
FIRST INCIDENCE	---	---	709	729 (T)

**STATISTICAL TESTS**

LIFE TABLE	P=0.117	(e)	P=0.209	P=0.283
POLY 3	P=0.100	(e)	P=0.214	P=0.252
POLY 1.5	P=0.095	(e)	P=0.217	P=0.245
POLY 6	P=0.108	(e)	P=0.211	P=0.262
LOGISTIC REGRESSION	P=0.109	(e)	P=0.210	P=0.283
COCH-ARM / FISHERS	P=0.093	(e)	P=0.231	P=0.253
ORDER RESTRICTED	P=0.100	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.118	(e)	(e)	(e)

TDMS No. 96015 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Water disinfection byproducts (Dibromoacetonitrile)  
 CAS Number: 3252-43-5

Date Report Requested: 10/22/2007  
 Time Report Requested: 08:24:14  
 First Dose M/F: 09/05/01 / 09/05/01  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)**  
**TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/L	50 MG/L	100 MG/L	200 MG/L

**Peritoneum: Mesothelium, Tunica Vaginalis  
 Hyperplasia**

**LESION RATES**

OVERALL (a)	2/2 (100%)	0/6 (0%)	0/0 (0%)	0/2 (0%)
POLY-3 RATE (b)	2/2.00	0/5.29	0/0.00	0/2.00
POLY-3 PERCENT (g)	100%	0%	0%	0%
TERMINAL (d)	1/1 (100%)	0/3 (0%)	0/0 (0%)	0/2 (0%)
FIRST INCIDENCE	652	---	---	---

**STATISTICAL TESTS**

LIFE TABLE	P=0.115N	P=0.126N	(e)	P=0.157N
POLY 3	(e)	P<0.001N**	(e)	P=0.167N
POLY 1.5	(e)	P<0.001N**	(e)	P=0.167N
POLY 6	(e)	P<0.001N**	(e)	P=0.167N
LOGISTIC REGRESSION	P=0.152N	P=0.030N*	(e)	(e)
COCH-ARM / FISHERS	P=0.147N	P=0.036N*	(e)	P=0.167N
ORDER RESTRICTED	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)

TDMS No. 96015 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Water disinfection byproducts (Dibromoacetonitrile)  
 CAS Number: 3252-43-5

Date Report Requested: 10/22/2007  
 Time Report Requested: 08:24:14  
 First Dose M/F: 09/05/01 / 09/05/01  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)**  
**TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/L	50 MG/L	100 MG/L	200 MG/L

**Pituitary Gland  
 Angiectasis**

**LESION RATES**

OVERALL (a)	7/50 (14%)	8/50 (16%)	3/48 (6%)	6/49 (12%)
POLY-3 RATE (b)	7/43.92	8/44.54	3/40.68	6/44.96
POLY-3 PERCENT (g)	15.9%	18%	7.4%	13.4%
TERMINAL (d)	7/31 (23%)	8/33 (24%)	2/24 (8%)	4/35 (11%)
FIRST INCIDENCE	729 (T)	729 (T)	709	680

**STATISTICAL TESTS**

LIFE TABLE	P=0.274N	P=0.555	P=0.270N	P=0.404N
POLY 3	P=0.326N	P=0.512	P=0.188N	P=0.482N
POLY 1.5	P=0.343N	P=0.506	P=0.184N	P=0.505N
POLY 6	P=0.302N	P=0.521	P=0.196N	P=0.450N
LOGISTIC REGRESSION	P=0.281N	P=0.555	P=0.247N	P=0.432N
COCH-ARM / FISHERS	P=0.348N	P=0.500	P=0.176N	P=0.516N
ORDER RESTRICTED	P=0.296N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.308N	(e)	(e)	(e)

TDMS No. 96015 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Water disinfection byproducts (Dibromoacetonitrile)  
 CAS Number: 3252-43-5

Date Report Requested: 10/22/2007  
 Time Report Requested: 08:24:14  
 First Dose M/F: 09/05/01 / 09/05/01  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)**  
**TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/L	50 MG/L	100 MG/L	200 MG/L

**Pituitary Gland  
 Cyst**

**LESION RATES**

OVERALL (a)	2/50 (4%)	3/50 (6%)	4/48 (8%)	2/49 (4%)
POLY-3 RATE (b)	2/44.00	3/44.67	4/41.04	2/44.69
POLY-3 PERCENT (g)	4.6%	6.7%	9.8%	4.5%
TERMINAL (d)	1/31 (3%)	2/33 (6%)	2/24 (8%)	2/35 (6%)
FIRST INCIDENCE	710	696	616	729 (T)

**STATISTICAL TESTS**

LIFE TABLE	P=0.517N	P=0.522	P=0.263	P=0.648N
POLY 3	P=0.557N	P=0.507	P=0.305	P=0.688N
POLY 1.5	P=0.571N	P=0.503	P=0.310	P=0.690
POLY 6	P=0.538N	P=0.513	P=0.297	P=0.676N
LOGISTIC REGRESSION	P=0.551N	P=0.513	P=0.299	P=0.663N
COCH-ARM / FISHERS	P=0.575N	P=0.500	P=0.319	P=0.684
ORDER RESTRICTED	P=0.501N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.508N	(e)	(e)	(e)

TDMS No. 96015 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Water disinfection byproducts (Dibromoacetonitrile)  
 CAS Number: 3252-43-5

Date Report Requested: 10/22/2007  
 Time Report Requested: 08:24:14  
 First Dose M/F: 09/05/01 / 09/05/01  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)**  
**TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/L	50 MG/L	100 MG/L	200 MG/L

**Pituitary Gland Hemorrhage**

**LESION RATES**

OVERALL (a)	5/50 (10%)	0/50 (0%)	2/48 (4%)	2/49 (4%)
POLY-3 RATE (b)	5/44.54	0/44.54	2/40.85	2/44.69
POLY-3 PERCENT (g)	11.2%	0%	4.9%	4.5%
TERMINAL (d)	3/31 (10%)	0/33 (0%)	1/24 (4%)	2/35 (6%)
FIRST INCIDENCE	563	---	662	729 (T)

**STATISTICAL TESTS**

LIFE TABLE	P=0.242N	P=0.031N*	P=0.291N	P=0.178N
POLY 3	P=0.267N	P=0.030N*	P=0.252N	P=0.214N
POLY 1.5	P=0.272N	P=0.031N*	P=0.245N	P=0.223N
POLY 6	P=0.262N	P=0.030N*	P=0.263N	P=0.203N
LOGISTIC REGRESSION	P=0.270N	P=0.033N*	P=0.238N	P=0.221N
COCH-ARM / FISHERS	P=0.273N	P=0.028N*	P=0.235N	P=0.226N
ORDER RESTRICTED	P=0.055N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.061N	(e)	(e)	(e)

TDMS No. 96015 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Water disinfection byproducts (Dibromoacetonitrile)  
 CAS Number: 3252-43-5

Date Report Requested: 10/22/2007  
 Time Report Requested: 08:24:14  
 First Dose M/F: 09/05/01 / 09/05/01  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)**  
**TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/L	50 MG/L	100 MG/L	200 MG/L

**Pituitary Gland: Pars Distalis  
 Cyst**

**LESION RATES**

OVERALL (a)	0/50 (0%)	2/50 (4%)	3/48 (6%)	0/49 (0%)
POLY-3 RATE (b)	0/43.92	2/44.60	3/41.41	0/44.69
POLY-3 PERCENT (g)	0%	4.5%	7.3%	0%
TERMINAL (d)	0/31 (0%)	1/33 (3%)	1/24 (4%)	0/35 (0%)
FIRST INCIDENCE	---	714	496	---

**STATISTICAL TESTS**

LIFE TABLE	P=0.504N	P=0.250	P=0.100	(e)
POLY 3	P=0.518N	P=0.240	P=0.108	(e)
POLY 1.5	P=0.533N	P=0.239	P=0.109	(e)
POLY 6	P=0.498N	P=0.243	P=0.105	(e)
LOGISTIC REGRESSION	P=0.532N	P=0.245	P=0.128	(e)
COCH-ARM / FISHERS	P=0.539N	P=0.247	P=0.114	(e)
ORDER RESTRICTED	P=0.213N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.224N	(e)	(e)	(e)

TDMS No. 96015 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Water disinfection byproducts (Dibromoacetonitrile)  
 CAS Number: 3252-43-5

Date Report Requested: 10/22/2007  
 Time Report Requested: 08:24:14  
 First Dose M/F: 09/05/01 / 09/05/01  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)**  
**TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/L	50 MG/L	100 MG/L	200 MG/L

**Pituitary Gland: Pars Distalis**  
**Cytoplasmic Alteration Focal**

**LESION RATES**

OVERALL (a)	4/50 (8%)	2/50 (4%)	3/48 (6%)	2/49 (4%)
POLY-3 RATE (b)	4/43.92	2/45.14	3/40.60	2/45.03
POLY-3 PERCENT (g)	9.1%	4.4%	7.4%	4.4%
TERMINAL (d)	4/31 (13%)	1/33 (3%)	3/24 (13%)	1/35 (3%)
FIRST INCIDENCE	729 (T)	535	729 (T)	636

**STATISTICAL TESTS**

LIFE TABLE	P=0.290N	P=0.312N	P=0.641N	P=0.284N
POLY 3	P=0.319N	P=0.324N	P=0.543N	P=0.326N
POLY 1.5	P=0.329N	P=0.330N	P=0.535N	P=0.340N
POLY 6	P=0.305N	P=0.316N	P=0.556N	P=0.306N
LOGISTIC REGRESSION	P=0.325N	P=0.336N	P=0.641N	P=0.324N
COCH-ARM / FISHERS	P=0.330N	P=0.339N	P=0.523N	P=0.349N
ORDER RESTRICTED	P=0.288N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.300N	(e)	(e)	(e)

TDMS No. 96015 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Water disinfection byproducts (Dibromoacetonitrile)  
 CAS Number: 3252-43-5

Date Report Requested: 10/22/2007  
 Time Report Requested: 08:24:14  
 First Dose M/F: 09/05/01 / 09/05/01  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)**  
**TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/L	50 MG/L	100 MG/L	200 MG/L

**Pituitary Gland: Pars Distalis  
 Hyperplasia**

**LESION RATES**

OVERALL (a)	0/50 (0%)	0/50 (0%)	1/48 (2%)	1/49 (2%)
POLY-3 RATE (b)	0/43.92	0/44.54	1/40.60	1/44.69
POLY-3 PERCENT (g)	0%	0%	2.5%	2.2%
TERMINAL (d)	0/31 (0%)	0/33 (0%)	1/24 (4%)	1/35 (3%)
FIRST INCIDENCE	---	---	729 (T)	729 (T)

**STATISTICAL TESTS**

LIFE TABLE	P=0.258	(e)	P=0.449	P=0.524
POLY 3	P=0.243	(e)	P=0.484	P=0.503
POLY 1.5	P=0.236	(e)	P=0.487	P=0.498
POLY 6	P=0.253	(e)	P=0.480	P=0.511
LOGISTIC REGRESSION	(e)	(e)	P=0.449	P=0.524
COCH-ARM / FISHERS	P=0.232	(e)	P=0.490	P=0.495
ORDER RESTRICTED	P=0.235	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.247	(e)	(e)	(e)

TDMS No. 96015 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Water disinfection byproducts (Dibromoacetonitrile)  
 CAS Number: 3252-43-5

Date Report Requested: 10/22/2007  
 Time Report Requested: 08:24:14  
 First Dose M/F: 09/05/01 / 09/05/01  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)**  
**TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/L	50 MG/L	100 MG/L	200 MG/L

**Pituitary Gland: Pars Distalis**  
**Hyperplasia Focal**

**LESION RATES**

OVERALL (a)	6/50 (12%)	8/50 (16%)	2/48 (4%)	5/49 (10%)
POLY-3 RATE (b)	6/44.58	8/44.82	2/40.85	5/45.29
POLY-3 PERCENT (g)	13.5%	17.9%	4.9%	11%
TERMINAL (d)	5/31 (16%)	6/33 (18%)	1/24 (4%)	4/35 (11%)
FIRST INCIDENCE	508	671	664	538

**STATISTICAL TESTS**

LIFE TABLE	P=0.241N	P=0.431	P=0.207N	P=0.430N
POLY 3	P=0.280N	P=0.390	P=0.162N	P=0.489N
POLY 1.5	P=0.292N	P=0.387	P=0.157N	P=0.507N
POLY 6	P=0.263N	P=0.397	P=0.170N	P=0.464N
LOGISTIC REGRESSION	P=0.288N	P=0.396	P=0.152N	P=0.514N
COCH-ARM / FISHERS	P=0.295N	P=0.387	P=0.148N	P=0.514N
ORDER RESTRICTED	P=0.207N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.218N	(e)	(e)	(e)

TDMS No. 96015 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Water disinfection byproducts (Dibromoacetonitrile)  
 CAS Number: 3252-43-5

Date Report Requested: 10/22/2007  
 Time Report Requested: 08:24:14  
 First Dose M/F: 09/05/01 / 09/05/01  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)**  
**TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/L	50 MG/L	100 MG/L	200 MG/L

**Preputial Gland  
 Degeneration Cystic**

**LESION RATES**

OVERALL (a)	1/48 (2%)	0/50 (0%)	2/50 (4%)	1/50 (2%)
POLY-3 RATE (b)	1/42.33	0/44.54	2/42.70	1/45.66
POLY-3 PERCENT (g)	2.4%	0%	4.7%	2.2%
TERMINAL (d)	0/30 (0%)	0/33 (0%)	1/25 (4%)	1/35 (3%)
FIRST INCIDENCE	696	---	652	729 (T)

**STATISTICAL TESTS**

LIFE TABLE	P=0.528	P=0.500N	P=0.459	P=0.735N
POLY 3	P=0.524	P=0.490N	P=0.503	P=0.744N
POLY 1.5	P=0.514	P=0.491N	P=0.507	P=0.749N
POLY 6	P=0.537	P=0.489N	P=0.495	P=0.737N
LOGISTIC REGRESSION	P=0.512	P=0.492N	P=0.510	P=0.746N
COCH-ARM / FISHERS	P=0.510	P=0.490N	P=0.515	P=0.742N
ORDER RESTRICTED	P=0.385	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.397	(e)	(e)	(e)

TDMS No. 96015 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Water disinfection byproducts (Dibromoacetonitrile)  
 CAS Number: 3252-43-5

Date Report Requested: 10/22/2007  
 Time Report Requested: 08:24:14  
 First Dose M/F: 09/05/01 / 09/05/01  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)**  
**TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/L	50 MG/L	100 MG/L	200 MG/L

**Preputial Gland  
 Hyperplasia Cystic**

**LESION RATES**

OVERALL (a)	1/48 (2%)	3/50 (6%)	1/50 (2%)	1/50 (2%)
POLY-3 RATE (b)	1/42.20	3/44.54	1/42.41	1/45.66
POLY-3 PERCENT (g)	2.4%	6.7%	2.4%	2.2%
TERMINAL (d)	1/30 (3%)	3/33 (9%)	1/25 (4%)	1/35 (3%)
FIRST INCIDENCE	729 (T)	729 (T)	729 (T)	729 (T)

**STATISTICAL TESTS**

LIFE TABLE	P=0.406N	P=0.339	P=0.721	P=0.727N
POLY 3	P=0.421N	P=0.324	P=0.760N	P=0.743N
POLY 1.5	P=0.430N	P=0.322	P=0.757N	P=0.749N
POLY 6	P=0.410N	P=0.328	P=0.757	P=0.735N
LOGISTIC REGRESSION	P=0.406N	P=0.339	P=0.721	P=0.727N
COCH-ARM / FISHERS	P=0.432N	P=0.324	P=0.742N	P=0.742N
ORDER RESTRICTED	P=0.425N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.437N	(e)	(e)	(e)

TDMS No. 96015 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Water disinfection byproducts (Dibromoacetonitrile)  
 CAS Number: 3252-43-5

Date Report Requested: 10/22/2007  
 Time Report Requested: 08:24:14  
 First Dose M/F: 09/05/01 / 09/05/01  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)**  
**TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/L	50 MG/L	100 MG/L	200 MG/L

**Preputial Gland  
 Inflammation**

**LESION RATES**

OVERALL (a)	27/48 (56%)	27/50 (54%)	24/50 (48%)	22/50 (44%)
POLY-3 RATE (b)	27/45.69	27/46.70	24/46.35	22/46.56
POLY-3 PERCENT (g)	59.1%	57.8%	51.8%	47.3%
TERMINAL (d)	15/30 (50%)	19/33 (58%)	10/25 (40%)	17/35 (49%)
FIRST INCIDENCE	507	496	494	538

**STATISTICAL TESTS**

LIFE TABLE	P=0.096N	P=0.445N	P=0.543	P=0.107N
POLY 3	P=0.118N	P=0.535N	P=0.308N	P=0.173N
POLY 1.5	P=0.123N	P=0.517N	P=0.295N	P=0.176N
POLY 6	P=0.114N	P=0.559N	P=0.333N	P=0.173N
LOGISTIC REGRESSION	P=0.107N	P=0.486N	P=0.265N	P=0.150N
COCH-ARM / FISHERS	P=0.109N	P=0.492N	P=0.269N	P=0.156N
ORDER RESTRICTED	P=0.194N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.187N	(e)	(e)	(e)

TDMS No. 96015 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Water disinfection byproducts (Dibromoacetonitrile)  
 CAS Number: 3252-43-5

Date Report Requested: 10/22/2007  
 Time Report Requested: 08:24:14  
 First Dose M/F: 09/05/01 / 09/05/01  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)**  
**TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/L	50 MG/L	100 MG/L	200 MG/L

**Prostate  
 Inflammation**

**LESION RATES**

OVERALL (a)	36/49 (73%)	29/50 (58%)	34/50 (68%)	33/50 (66%)
POLY-3 RATE (b)	36/47.49	29/48.29	34/48.06	33/47.40
POLY-3 PERCENT (g)	75.8%	60.1%	70.7%	69.6%
TERMINAL (d)	23/31 (74%)	17/33 (52%)	14/25 (56%)	24/35 (69%)
FIRST INCIDENCE	507	496	251	538

**STATISTICAL TESTS**

LIFE TABLE	P=0.303N	P=0.119N	P=0.380	P=0.168N
POLY 3	P=0.474N	P=0.072N	P=0.370N	P=0.326N
POLY 1.5	P=0.478N	P=0.074N	P=0.365N	P=0.332N
POLY 6	P=0.460N	P=0.068N	P=0.370N	P=0.310N
LOGISTIC REGRESSION	P=0.414N	P=0.082N	P=0.341N	P=0.270N
COCH-ARM / FISHERS	P=0.413N	P=0.079N	P=0.353N	P=0.278N
ORDER RESTRICTED	P=0.265N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.272N	(e)	(e)	(e)

TDMS No. 96015 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Water disinfection byproducts (Dibromoacetonitrile)  
 CAS Number: 3252-43-5

Date Report Requested: 10/22/2007  
 Time Report Requested: 08:24:14  
 First Dose M/F: 09/05/01 / 09/05/01  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)**  
**TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/L	50 MG/L	100 MG/L	200 MG/L

**Prostate: Epithelium  
 Hyperplasia**

**LESION RATES**

OVERALL (a)	7/49 (14%)	15/50 (30%)	5/50 (10%)	10/50 (20%)
POLY-3 RATE (b)	7/42.97	15/44.60	5/42.45	10/45.66
POLY-3 PERCENT (g)	16.3%	33.6%	11.8%	21.9%
TERMINAL (d)	7/31 (23%)	14/33 (42%)	4/25 (16%)	10/35 (29%)
FIRST INCIDENCE	729 (T)	713	720	729 (T)

**STATISTICAL TESTS**

LIFE TABLE	P=0.471N	P=0.053	P=0.533N	P=0.393
POLY 3	P=0.514N	P=0.049*	P=0.387N	P=0.345
POLY 1.5	P=0.539N	P=0.049*	P=0.379N	P=0.323
POLY 6	P=0.480N	P=0.050*	P=0.401N	P=0.375
LOGISTIC REGRESSION	P=0.451N	P=0.050*	P=0.508N	P=0.393
COCH-ARM / FISHERS	P=0.545N	P=0.050*	P=0.365N	P=0.314
ORDER RESTRICTED	P=0.269N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.283N	(e)	(e)	(e)

TDMS No. 96015 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Water disinfection byproducts (Dibromoacetonitrile)  
 CAS Number: 3252-43-5

Date Report Requested: 10/22/2007  
 Time Report Requested: 08:24:14  
 First Dose M/F: 09/05/01 / 09/05/01  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)**  
**TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/L	50 MG/L	100 MG/L	200 MG/L

**Skin**  
**Cyst Epithelial Inclusion**

**LESION RATES**

OVERALL (a)	2/50 (4%)	2/50 (4%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	2/43.95	2/44.54	0/42.41	1/45.66
POLY-3 PERCENT (g)	4.6%	4.5%	0%	2.2%
TERMINAL (d)	1/31 (3%)	2/33 (6%)	0/25 (0%)	1/35 (3%)
FIRST INCIDENCE	721	729 (T)	---	729 (T)

**STATISTICAL TESTS**

LIFE TABLE	P=0.279N	P=0.674N	P=0.292N	P=0.458N
POLY 3	P=0.294N	P=0.689N	P=0.245N	P=0.487N
POLY 1.5	P=0.297N	P=0.691N	P=0.242N	P=0.496N
POLY 6	P=0.290N	P=0.686N	P=0.250N	P=0.474N
LOGISTIC REGRESSION	P=0.273N	P=0.680N	P=0.268N	P=0.457N
COCH-ARM / FISHERS	P=0.296N	P=0.691N	P=0.247N	P=0.500N
ORDER RESTRICTED	P=0.259N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.272N	(e)	(e)	(e)

TDMS No. 96015 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Water disinfection byproducts (Dibromoacetonitrile)  
 CAS Number: 3252-43-5

Date Report Requested: 10/22/2007  
 Time Report Requested: 08:24:14  
 First Dose M/F: 09/05/01 / 09/05/01  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)**  
**TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/L	50 MG/L	100 MG/L	200 MG/L

**Skin**  
**Hyperkeratosis Focal**

**LESION RATES**

OVERALL (a)	0/50 (0%)	2/50 (4%)	0/50 (0%)	2/50 (4%)
POLY-3 RATE (b)	0/43.92	2/44.61	0/42.41	2/45.66
POLY-3 PERCENT (g)	0%	4.5%	0%	4.4%
TERMINAL (d)	0/31 (0%)	1/33 (3%)	0/25 (0%)	2/35 (6%)
FIRST INCIDENCE	---	710	---	729 (T)

**STATISTICAL TESTS**

LIFE TABLE	P=0.278	P=0.253	(e)	P=0.265
POLY 3	P=0.256	P=0.241	(e)	P=0.246
POLY 1.5	P=0.249	P=0.239	(e)	P=0.240
POLY 6	P=0.265	P=0.243	(e)	P=0.254
LOGISTIC REGRESSION	P=0.276	P=0.244	(e)	P=0.265
COCH-ARM / FISHERS	P=0.247	P=0.247	(e)	P=0.247
ORDER RESTRICTED	P=0.122	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.133	(e)	(e)	(e)

TDMS No. 96015 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Water disinfection byproducts (Dibromoacetonitrile)  
 CAS Number: 3252-43-5

Date Report Requested: 10/22/2007  
 Time Report Requested: 08:24:14  
 First Dose M/F: 09/05/01 / 09/05/01  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)**  
**TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/L	50 MG/L	100 MG/L	200 MG/L

Skin: Epidermis  
 Hyperplasia Focal

**LESION RATES**

OVERALL (a)	0/50 (0%)	1/50 (2%)	2/50 (4%)	1/50 (2%)
POLY-3 RATE (b)	0/43.92	1/44.54	2/42.41	1/45.66
POLY-3 PERCENT (g)	0%	2.3%	4.7%	2.2%
TERMINAL (d)	0/31 (0%)	1/33 (3%)	2/25 (8%)	1/35 (3%)
FIRST INCIDENCE	---	729 (T)	729 (T)	729 (T)

**STATISTICAL TESTS**

LIFE TABLE	P=0.395	P=0.512	P=0.192	P=0.524
POLY 3	P=0.386	P=0.503	P=0.229	P=0.508
POLY 1.5	P=0.373	P=0.501	P=0.232	P=0.502
POLY 6	P=0.404	P=0.505	P=0.224	P=0.515
LOGISTIC REGRESSION	(e)	P=0.512	P=0.192	P=0.524
COCH-ARM / FISHERS	P=0.366	P=0.500	P=0.247	P=0.500
ORDER RESTRICTED	P=0.218	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.231	(e)	(e)	(e)

TDMS No. 96015 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Water disinfection byproducts (Dibromoacetonitrile)  
 CAS Number: 3252-43-5

Date Report Requested: 10/22/2007  
 Time Report Requested: 08:24:14  
 First Dose M/F: 09/05/01 / 09/05/01  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)**  
**TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/L	50 MG/L	100 MG/L	200 MG/L

**Spleen**  
**Accessory Spleen**

**LESION RATES**

OVERALL (a)	0/49 (0%)	1/50 (2%)	2/50 (4%)	0/50 (0%)
POLY-3 RATE (b)	0/43.33	1/45.14	2/43.03	0/45.66
POLY-3 PERCENT (g)	0%	2.2%	4.7%	0%
TERMINAL (d)	0/31 (0%)	0/33 (0%)	0/25 (0%)	0/35 (0%)
FIRST INCIDENCE	---	535	616	---

**STATISTICAL TESTS**

LIFE TABLE	P=0.597N	P=0.504	P=0.236	(e)
POLY 3	P=0.600N	P=0.508	P=0.235	(e)
POLY 1.5	P=0.609N	P=0.506	P=0.238	(e)
POLY 6	P=0.588N	P=0.511	P=0.232	(e)
LOGISTIC REGRESSION	P=0.549N	P=0.528	P=0.263	(e)
COCH-ARM / FISHERS	P=0.612N	P=0.505	P=0.253	(e)
ORDER RESTRICTED	P=0.320N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.333N	(e)	(e)	(e)

TDMS No. 96015 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Water disinfection byproducts (Dibromoacetonitrile)  
 CAS Number: 3252-43-5

Date Report Requested: 10/22/2007  
 Time Report Requested: 08:24:14  
 First Dose M/F: 09/05/01 / 09/05/01  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)**  
**TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/L	50 MG/L	100 MG/L	200 MG/L

**Spleen  
 Congestion**

**LESION RATES**

OVERALL (a)	1/49 (2%)	0/50 (0%)	2/50 (4%)	0/50 (0%)
POLY-3 RATE (b)	1/43.33	0/44.54	2/42.63	0/45.66
POLY-3 PERCENT (g)	2.3%	0%	4.7%	0%
TERMINAL (d)	1/31 (3%)	0/33 (0%)	1/25 (4%)	0/35 (0%)
FIRST INCIDENCE	729 (T)	---	671	---

**STATISTICAL TESTS**

LIFE TABLE	P=0.438N	P=0.488N	P=0.444	P=0.476N
POLY 3	P=0.447N	P=0.495N	P=0.494	P=0.490N
POLY 1.5	P=0.454N	P=0.495N	P=0.499	P=0.494N
POLY 6	P=0.438N	P=0.493N	P=0.486	P=0.483N
LOGISTIC REGRESSION	P=0.450N	(e)	P=0.487	(e)
COCH-ARM / FISHERS	P=0.457N	P=0.495N	P=0.508	P=0.495N
ORDER RESTRICTED	P=0.315N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.329N	(e)	(e)	(e)

TDMS No. 96015 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Water disinfection byproducts (Dibromoacetonitrile)  
 CAS Number: 3252-43-5

Date Report Requested: 10/22/2007  
 Time Report Requested: 08:24:14  
 First Dose M/F: 09/05/01 / 09/05/01  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)**  
**TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/L	50 MG/L	100 MG/L	200 MG/L

**Spleen  
 Fibrosis Focal**

**LESION RATES**

OVERALL (a)	3/49 (6%)	0/50 (0%)	3/50 (6%)	1/50 (2%)
POLY-3 RATE (b)	3/43.41	0/44.54	3/43.45	1/45.78
POLY-3 PERCENT (g)	6.9%	0%	6.9%	2.2%
TERMINAL (d)	2/31 (7%)	0/33 (0%)	0/25 (0%)	0/35 (0%)
FIRST INCIDENCE	710	---	496	699

**STATISTICAL TESTS**

LIFE TABLE	P=0.347N	P=0.112N	P=0.597	P=0.264N
POLY 3	P=0.355N	P=0.114N	P=0.662N	P=0.286N
POLY 1.5	P=0.364N	P=0.115N	P=0.659N	P=0.295N
POLY 6	P=0.344N	P=0.113N	P=0.657	P=0.275N
LOGISTIC REGRESSION	P=0.359N	P=0.113N	P=0.638N	P=0.279N
COCH-ARM / FISHERS	P=0.366N	P=0.117N	P=0.651N	P=0.301N
ORDER RESTRICTED	P=0.195N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.208N	(e)	(e)	(e)

TDMS No. 96015 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Water disinfection byproducts (Dibromoacetonitrile)  
 CAS Number: 3252-43-5

Date Report Requested: 10/22/2007  
 Time Report Requested: 08:24:14  
 First Dose M/F: 09/05/01 / 09/05/01  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)**  
**TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/L	50 MG/L	100 MG/L	200 MG/L

**Spleen**  
**Hematopoietic Cell Proliferation**

**LESION RATES**

OVERALL (a)	2/49 (4%)	4/50 (8%)	2/50 (4%)	3/50 (6%)
POLY-3 RATE (b)	2/43.62	4/45.15	2/42.75	3/45.85
POLY-3 PERCENT (g)	4.6%	8.9%	4.7%	6.5%
TERMINAL (d)	1/31 (3%)	1/33 (3%)	0/25 (0%)	2/35 (6%)
FIRST INCIDENCE	652	594	647	680

**STATISTICAL TESTS**

LIFE TABLE	P=0.563	P=0.357	P=0.655	P=0.556
POLY 3	P=0.542	P=0.353	P=0.687	P=0.523
POLY 1.5	P=0.531	P=0.350	P=0.692	P=0.513
POLY 6	P=0.557	P=0.358	P=0.678	P=0.536
LOGISTIC REGRESSION	P=0.529	P=0.345	P=0.688N	P=0.512
COCH-ARM / FISHERS	P=0.529	P=0.349	P=0.684N	P=0.510
ORDER RESTRICTED	P=0.533	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.538	(e)	(e)	(e)

TDMS No. 96015 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Water disinfection byproducts (Dibromoacetonitrile)  
 CAS Number: 3252-43-5

Date Report Requested: 10/22/2007  
 Time Report Requested: 08:24:14  
 First Dose M/F: 09/05/01 / 09/05/01  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)**  
**TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/L	50 MG/L	100 MG/L	200 MG/L

**Spleen  
 Hyperplasia Focal**

**LESION RATES**

OVERALL (a)	0/49 (0%)	1/50 (2%)	1/50 (2%)	1/50 (2%)
POLY-3 RATE (b)	0/43.33	1/44.61	1/42.41	1/45.66
POLY-3 PERCENT (g)	0%	2.2%	2.4%	2.2%
TERMINAL (d)	0/31 (0%)	0/33 (0%)	1/25 (4%)	1/35 (3%)
FIRST INCIDENCE	---	710	729 (T)	729 (T)

**STATISTICAL TESTS**

LIFE TABLE	P=0.412	P=0.511	P=0.457	P=0.524
POLY 3	P=0.401	P=0.506	P=0.496	P=0.510
POLY 1.5	P=0.392	P=0.505	P=0.499	P=0.506
POLY 6	P=0.414	P=0.507	P=0.490	P=0.517
LOGISTIC REGRESSION	P=0.409	P=0.506	P=0.457	P=0.524
COCH-ARM / FISHERS	P=0.388	P=0.505	P=0.505	P=0.505
ORDER RESTRICTED	P=0.324	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.338	(e)	(e)	(e)

TDMS No. 96015 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Water disinfection byproducts (Dibromoacetonitrile)  
 CAS Number: 3252-43-5

Date Report Requested: 10/22/2007  
 Time Report Requested: 08:24:14  
 First Dose M/F: 09/05/01 / 09/05/01  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)**  
**TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/L	50 MG/L	100 MG/L	200 MG/L

**Spleen  
 Necrosis Focal**

**LESION RATES**

OVERALL (a)	1/49 (2%)	0/50 (0%)	2/50 (4%)	0/50 (0%)
POLY-3 RATE (b)	1/43.33	0/44.54	2/42.78	0/45.66
POLY-3 PERCENT (g)	2.3%	0%	4.7%	0%
TERMINAL (d)	1/31 (3%)	0/33 (0%)	0/25 (0%)	0/35 (0%)
FIRST INCIDENCE	729 (T)	---	664	---

**STATISTICAL TESTS**

LIFE TABLE	P=0.436N	P=0.488N	P=0.455	P=0.476N
POLY 3	P=0.447N	P=0.495N	P=0.495	P=0.490N
POLY 1.5	P=0.454N	P=0.495N	P=0.500	P=0.494N
POLY 6	P=0.438N	P=0.493N	P=0.489	P=0.483N
LOGISTIC REGRESSION	P=0.456N	(e)	P=0.499	(e)
COCH-ARM / FISHERS	P=0.457N	P=0.495N	P=0.508	P=0.495N
ORDER RESTRICTED	P=0.315N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.329N	(e)	(e)	(e)

TDMS No. 96015 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Water disinfection byproducts (Dibromoacetonitrile)  
 CAS Number: 3252-43-5

Date Report Requested: 10/22/2007  
 Time Report Requested: 08:24:14  
 First Dose M/F: 09/05/01 / 09/05/01  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)**  
**TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/L	50 MG/L	100 MG/L	200 MG/L

**Spleen  
 Pigmentation**

**LESION RATES**

OVERALL (a)	0/49 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	0/43.33	0/44.54	1/42.79	0/45.66
POLY-3 PERCENT (g)	0%	0%	2.3%	0%
TERMINAL (d)	0/31 (0%)	0/33 (0%)	0/25 (0%)	0/35 (0%)
FIRST INCIDENCE	---	---	622	---

**STATISTICAL TESTS**

LIFE TABLE	P=0.703	(e)	P=0.500	(e)
POLY 3	P=0.711	(e)	P=0.497	(e)
POLY 1.5	P=0.701	(e)	P=0.500	(e)
POLY 6	P=0.723	(e)	P=0.493	(e)
LOGISTIC REGRESSION	P=0.729	(e)	P=0.541	(e)
COCH-ARM / FISHERS	P=0.697	(e)	P=0.505	(e)
ORDER RESTRICTED	P=0.380	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.392	(e)	(e)	(e)

TDMS No. 96015 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Water disinfection byproducts (Dibromoacetonitrile)  
 CAS Number: 3252-43-5

Date Report Requested: 10/22/2007  
 Time Report Requested: 08:24:14  
 First Dose M/F: 09/05/01 / 09/05/01  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)**  
**TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/L	50 MG/L	100 MG/L	200 MG/L

**Stomach, Forestomach  
 Inflammation**

**LESION RATES**

OVERALL (a)	0/50 (0%)	0/49 (0%)	2/50 (4%)	0/50 (0%)
POLY-3 RATE (b)	0/43.92	0/44.00	2/43.28	0/45.66
POLY-3 PERCENT (g)	0%	0%	4.6%	0%
TERMINAL (d)	0/31 (0%)	0/33 (0%)	0/25 (0%)	0/35 (0%)
FIRST INCIDENCE	---	---	583	---

**STATISTICAL TESTS**

LIFE TABLE	P=0.608	(e)	P=0.242	(e)
POLY 3	P=0.617	(e)	P=0.234	(e)
POLY 1.5	P=0.603	(e)	P=0.235	(e)
POLY 6	P=0.634	(e)	P=0.232	(e)
LOGISTIC REGRESSION	P=0.659	(e)	P=0.281	(e)
COCH-ARM / FISHERS	P=0.596	(e)	P=0.247	(e)
ORDER RESTRICTED	P=0.244	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.257	(e)	(e)	(e)

TDMS No. 96015 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Water disinfection byproducts (Dibromoacetonitrile)  
 CAS Number: 3252-43-5

Date Report Requested: 10/22/2007  
 Time Report Requested: 08:24:14  
 First Dose M/F: 09/05/01 / 09/05/01  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)**  
**TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/L	50 MG/L	100 MG/L	200 MG/L

**Stomach, Forestomach  
 Ulcer**

**LESION RATES**

OVERALL (a)	1/50 (2%)	1/49 (2%)	4/50 (8%)	3/50 (6%)
POLY-3 RATE (b)	1/44.49	1/44.13	4/43.61	3/46.61
POLY-3 PERCENT (g)	2.3%	2.3%	9.2%	6.4%
TERMINAL (d)	0/31 (0%)	0/33 (0%)	0/25 (0%)	0/35 (0%)
FIRST INCIDENCE	549	696	583	383

**STATISTICAL TESTS**

LIFE TABLE	P=0.195	P=0.760	P=0.178	P=0.332
POLY 3	P=0.183	P=0.759	P=0.172	P=0.322
POLY 1.5	P=0.173	P=0.757	P=0.174	P=0.312
POLY 6	P=0.196	P=0.760N	P=0.169	P=0.335
LOGISTIC REGRESSION	P=0.205	P=0.755	P=0.219	P=0.358
COCH-ARM / FISHERS	P=0.166	P=0.747	P=0.181	P=0.309
ORDER RESTRICTED	P=0.175	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.189	(e)	(e)	(e)

TDMS No. 96015 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Water disinfection byproducts (Dibromoacetonitrile)  
 CAS Number: 3252-43-5

Date Report Requested: 10/22/2007  
 Time Report Requested: 08:24:14  
 First Dose M/F: 09/05/01 / 09/05/01  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)**  
**TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/L	50 MG/L	100 MG/L	200 MG/L

**Stomach, Forestomach: Epithelium  
 Hyperplasia**

**LESION RATES**

OVERALL (a)	4/50 (8%)	2/49 (4%)	8/50 (16%)	7/50 (14%)
POLY-3 RATE (b)	4/45.85	2/44.24	8/45.01	7/47.40
POLY-3 PERCENT (g)	8.7%	4.5%	17.8%	14.8%
TERMINAL (d)	0/31 (0%)	1/33 (3%)	0/25 (0%)	2/35 (6%)
FIRST INCIDENCE	507	664	494	383

**STATISTICAL TESTS**

LIFE TABLE	P=0.141	P=0.329N	P=0.169	P=0.314
POLY 3	P=0.115	P=0.354N	P=0.167	P=0.280
POLY 1.5	P=0.106	P=0.352N	P=0.170	P=0.268
POLY 6	P=0.128	P=0.353N	P=0.165	P=0.298
LOGISTIC REGRESSION	P=0.119	P=0.358N	P=0.228	P=0.285
COCH-ARM / FISHERS	P=0.102	P=0.349N	P=0.178	P=0.262
ORDER RESTRICTED	P=0.106	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.117	(e)	(e)	(e)

TDMS No. 96015 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Water disinfection byproducts (Dibromoacetonitrile)  
 CAS Number: 3252-43-5

Date Report Requested: 10/22/2007  
 Time Report Requested: 08:24:14  
 First Dose M/F: 09/05/01 / 09/05/01  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)**  
**TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/L	50 MG/L	100 MG/L	200 MG/L

**Stomach, Glandular  
 Erosion**

**LESION RATES**

OVERALL (a)	5/50 (10%)	4/50 (8%)	5/50 (10%)	6/50 (12%)
POLY-3 RATE (b)	5/45.36	4/45.94	5/42.95	6/46.16
POLY-3 PERCENT (g)	11%	8.7%	11.6%	13%
TERMINAL (d)	1/31 (3%)	0/33 (0%)	1/25 (4%)	4/35 (11%)
FIRST INCIDENCE	491	461	664	592

**STATISTICAL TESTS**

LIFE TABLE	P=0.432	P=0.489N	P=0.543	P=0.560
POLY 3	P=0.380	P=0.492N	P=0.596	P=0.512
POLY 1.5	P=0.371	P=0.496N	P=0.608	P=0.499
POLY 6	P=0.396	P=0.485N	P=0.580	P=0.532
LOGISTIC REGRESSION	P=0.392	P=0.516N	P=0.606N	P=0.508
COCH-ARM / FISHERS	P=0.375	P=0.500N	P=0.630N	P=0.500
ORDER RESTRICTED	P=0.500	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.506	(e)	(e)	(e)

TDMS No. 96015 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Water disinfection byproducts (Dibromoacetonitrile)  
 CAS Number: 3252-43-5

Date Report Requested: 10/22/2007  
 Time Report Requested: 08:24:14  
 First Dose M/F: 09/05/01 / 09/05/01  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)**  
**TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/L	50 MG/L	100 MG/L	200 MG/L

**Stomach, Glandular  
 Ulcer**

**LESION RATES**

OVERALL (a)	2/50 (4%)	2/50 (4%)	3/50 (6%)	3/50 (6%)
POLY-3 RATE (b)	2/44.58	2/45.30	3/43.07	3/45.91
POLY-3 PERCENT (g)	4.5%	4.4%	7%	6.5%
TERMINAL (d)	0/31 (0%)	0/33 (0%)	0/25 (0%)	1/35 (3%)
FIRST INCIDENCE	549	563	652	680

**STATISTICAL TESTS**

LIFE TABLE	P=0.416	P=0.682N	P=0.467	P=0.548
POLY 3	P=0.384	P=0.688N	P=0.484	P=0.513
POLY 1.5	P=0.373	P=0.691N	P=0.490	P=0.503
POLY 6	P=0.399	P=0.684N	P=0.476	P=0.528
LOGISTIC REGRESSION	P=0.390	P=0.695	P=0.534	P=0.504
COCH-ARM / FISHERS	P=0.371	P=0.691N	P=0.500	P=0.500
ORDER RESTRICTED	P=0.503	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.510	(e)	(e)	(e)

TDMS No. 96015 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Water disinfection byproducts (Dibromoacetonitrile)  
 CAS Number: 3252-43-5

Date Report Requested: 10/22/2007  
 Time Report Requested: 08:24:14  
 First Dose M/F: 09/05/01 / 09/05/01  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)**  
**TERMINAL SACRIFICE AT 105 WEEKS**

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DOSE	Males			
	0 MG/L	50 MG/L	100 MG/L	200 MG/L

---

**Stomach, Glandular: Glands**  
**Ectasia**

**LESION RATES**

OVERALL (a)	4/50 (8%)	3/50 (6%)	3/50 (6%)	10/50 (20%)
POLY-3 RATE (b)	4/44.71	3/45.50	3/43.16	10/46.32
POLY-3 PERCENT (g)	9%	6.6%	7%	21.6%
TERMINAL (d)	2/31 (7%)	1/33 (3%)	0/25 (0%)	7/35 (20%)
FIRST INCIDENCE	507	461	619	636

**STATISTICAL TESTS**

LIFE TABLE	P=0.035*	P=0.482N	P=0.562N	P=0.119
POLY 3	P=0.019*	P=0.490N	P=0.519N	P=0.082
POLY 1.5	P=0.018*	P=0.495N	P=0.513N	P=0.075
POLY 6	P=0.021*	P=0.484N	P=0.529N	P=0.094
LOGISTIC REGRESSION	P=0.019*	P=0.510N	P=0.472N	P=0.075
COCH-ARM / FISHERS	P=0.019*	P=0.500N	P=0.500N	P=0.074
ORDER RESTRICTED	P=0.020*	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.024*	(e)	(e)	(e)

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TDMS No. 96015 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Water disinfection byproducts (Dibromoacetonitrile)  
 CAS Number: 3252-43-5

Date Report Requested: 10/22/2007  
 Time Report Requested: 08:24:14  
 First Dose M/F: 09/05/01 / 09/05/01  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)**  
**TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/L	50 MG/L	100 MG/L	200 MG/L

**Stomach, Glandular: Glands  
 Hyperplasia**

**LESION RATES**

OVERALL (a)	0/50 (0%)	0/50 (0%)	2/50 (4%)	2/50 (4%)
POLY-3 RATE (b)	0/43.92	0/44.54	2/42.54	2/46.00
POLY-3 PERCENT (g)	0%	0%	4.7%	4.4%
TERMINAL (d)	0/31 (0%)	0/33 (0%)	1/25 (4%)	1/35 (3%)
FIRST INCIDENCE	---	---	697	636

**STATISTICAL TESTS**

LIFE TABLE	P=0.106	(e)	P=0.201	P=0.266
POLY 3	P=0.094	(e)	P=0.230	P=0.248
POLY 1.5	P=0.088	(e)	P=0.233	P=0.241
POLY 6	P=0.101	(e)	P=0.225	P=0.257
LOGISTIC REGRESSION	P=0.087	(e)	P=0.223	P=0.238
COCH-ARM / FISHERS	P=0.086	(e)	P=0.247	P=0.247
ORDER RESTRICTED	P=0.110	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.122	(e)	(e)	(e)

TDMS No. 96015 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Water disinfection byproducts (Dibromoacetonitrile)  
 CAS Number: 3252-43-5

Date Report Requested: 10/22/2007  
 Time Report Requested: 08:24:14  
 First Dose M/F: 09/05/01 / 09/05/01  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)**  
**TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/L	50 MG/L	100 MG/L	200 MG/L

**Testes**  
**Atrophy**

**LESION RATES**

OVERALL (a)	14/50 (28%)	10/50 (20%)	4/50 (8%)	6/50 (12%)
POLY-3 RATE (b)	14/45.84	10/46.10	4/43.20	6/46.46
POLY-3 PERCENT (g)	30.5%	21.7%	9.3%	12.9%
TERMINAL (d)	7/31 (23%)	4/33 (12%)	1/25 (4%)	2/35 (6%)
FIRST INCIDENCE	563	496	583	636

**STATISTICAL TESTS**

LIFE TABLE	P=0.018N*	P=0.230N	P=0.028N*	P=0.031N*
POLY 3	P=0.016N*	P=0.233N	P=0.011N*	P=0.033N*
POLY 1.5	P=0.017N*	P=0.236N	P=0.010N**	P=0.037N*
POLY 6	P=0.014N*	P=0.230N	P=0.013N*	P=0.029N*
LOGISTIC REGRESSION	P=0.018N*	P=0.245N	P=0.009N**	P=0.040N*
COCH-ARM / FISHERS	P=0.018N*	P=0.241N	P=0.009N**	P=0.039N*
ORDER RESTRICTED	P=0.009N**	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.011N*	(e)	(e)	(e)

TDMS No. 96015 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Water disinfection byproducts (Dibromoacetonitrile)  
 CAS Number: 3252-43-5

Date Report Requested: 10/22/2007  
 Time Report Requested: 08:24:14  
 First Dose M/F: 09/05/01 / 09/05/01  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)**  
**TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/L	50 MG/L	100 MG/L	200 MG/L

Testes: Interstitial Cell  
 Hyperplasia Focal

**LESION RATES**

OVERALL (a)	3/50 (6%)	4/50 (8%)	7/50 (14%)	2/50 (4%)
POLY-3 RATE (b)	3/43.92	4/45.49	7/44.43	2/45.66
POLY-3 PERCENT (g)	6.8%	8.8%	15.8%	4.4%
TERMINAL (d)	3/31 (10%)	2/33 (6%)	1/25 (4%)	2/35 (6%)
FIRST INCIDENCE	729 (T)	461	494	729 (T)

**STATISTICAL TESTS**

LIFE TABLE	P=0.392N	P=0.528	P=0.123	P=0.444N
POLY 3	P=0.405N	P=0.519	P=0.161	P=0.482N
POLY 1.5	P=0.424N	P=0.511	P=0.159	P=0.494N
POLY 6	P=0.380N	P=0.531	P=0.162	P=0.466N
LOGISTIC REGRESSION	P=0.415N	P=0.496	P=0.174	P=0.444N
COCH-ARM / FISHERS	P=0.430N	P=0.500	P=0.159	P=0.500N
ORDER RESTRICTED	P=0.246N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.259N	(e)	(e)	(e)

TDMS No. 96015 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Water disinfection byproducts (Dibromoacetonitrile)  
 CAS Number: 3252-43-5

Date Report Requested: 10/22/2007  
 Time Report Requested: 08:24:14  
 First Dose M/F: 09/05/01 / 09/05/01  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/L	50 MG/L	100 MG/L	200 MG/L

**Thymus  
 Hyperplasia Lymphoid**

**LESION RATES**

OVERALL (a)	0/43 (0%)	0/50 (0%)	0/44 (0%)	1/45 (2%)
POLY-3 RATE (b)	0/37.68	0/44.54	0/37.54	1/42.00
POLY-3 PERCENT (g)	0%	0%	0%	2.4%
TERMINAL (d)	0/28 (0%)	0/33 (0%)	0/24 (0%)	0/33 (0%)
FIRST INCIDENCE	---	---	---	13

**STATISTICAL TESTS**

LIFE TABLE	P=0.199	(e)	(e)	P=0.500
POLY 3	P=0.204	(e)	(e)	P=0.522
POLY 1.5	P=0.200	(e)	(e)	P=0.516
POLY 6	P=0.209	(e)	(e)	P=0.529
LOGISTIC REGRESSION	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	P=0.196	(e)	(e)	P=0.511
ORDER RESTRICTED	P=0.139	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.152	(e)	(e)	(e)

TDMS No. 96015 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Water disinfection byproducts (Dibromoacetonitrile)  
 CAS Number: 3252-43-5

Date Report Requested: 10/22/2007  
 Time Report Requested: 08:24:14  
 First Dose M/F: 09/05/01 / 09/05/01  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)**  
**TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/L	50 MG/L	100 MG/L	200 MG/L

**Thyroid Gland: C-Cell  
 Hyperplasia**

**LESION RATES**

OVERALL (a)	38/49 (78%)	38/47 (81%)	45/49 (92%)	44/46 (96%)
POLY-3 RATE (b)	38/45.50	38/44.68	45/47.56	44/45.00
POLY-3 PERCENT (g)	83.5%	85.1%	94.6%	97.8%
TERMINAL (d)	28/31 (90%)	30/33 (91%)	25/25 (100%)	34/35 (97%)
FIRST INCIDENCE	491	496	251	383

**STATISTICAL TESTS**

LIFE TABLE	P=0.282	P=0.412N	P=0.013*	P=0.475
POLY 3	P=0.004**	P=0.538	P=0.058	P=0.013*
POLY 1.5	P=0.002**	P=0.491	P=0.049*	P=0.006**
POLY 6	P=0.011*	P=0.607	P=0.085	P=0.040*
LOGISTIC REGRESSION	P<0.001**	P=0.551	P=0.023*	P=0.007**
COCH-ARM / FISHERS	P=0.003**	P=0.442	P=0.045*	P=0.010**
ORDER RESTRICTED	P=0.007**	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.006**	(e)	(e)	(e)

TDMS No. 96015 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Water disinfection byproducts (Dibromoacetonitrile)  
 CAS Number: 3252-43-5

Date Report Requested: 10/22/2007  
 Time Report Requested: 08:24:14  
 First Dose M/F: 09/05/01 / 09/05/01  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)**  
**TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/L	50 MG/L	100 MG/L	200 MG/L

**Thyroid Gland: Follicular Cell  
 Hyperplasia Focal**

**LESION RATES**

OVERALL (a)	5/49 (10%)	6/47 (13%)	0/49 (0%)	4/46 (9%)
POLY-3 RATE (b)	5/42.97	6/43.25	0/41.66	4/42.29
POLY-3 PERCENT (g)	11.6%	13.9%	0%	9.5%
TERMINAL (d)	5/31 (16%)	4/33 (12%)	0/25 (0%)	4/35 (11%)
FIRST INCIDENCE	729 (T)	535	---	729 (T)

**STATISTICAL TESTS**

LIFE TABLE	P=0.243N	P=0.541	P=0.053N	P=0.423N
POLY 3	P=0.293N	P=0.505	P=0.033N*	P=0.510N
POLY 1.5	P=0.300N	P=0.489	P=0.032N*	P=0.530N
POLY 6	P=0.282N	P=0.527	P=0.034N*	P=0.483N
LOGISTIC REGRESSION	P=0.274N	P=0.493	(e)	P=0.423N
COCH-ARM / FISHERS	P=0.302N	P=0.470	P=0.028N*	P=0.541N
ORDER RESTRICTED	P=0.146N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.151N	(e)	(e)	(e)

TDMS No. 96015 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Water disinfection byproducts (Dibromoacetonitrile)  
 CAS Number: 3252-43-5

Date Report Requested: 10/22/2007  
 Time Report Requested: 08:24:14  
 First Dose M/F: 09/05/01 / 09/05/01  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)**  
**TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/L	50 MG/L	100 MG/L	200 MG/L

Tongue: Epithelium  
 Hyperplasia

**LESION RATES**

OVERALL (a)	0/50 (0%)	0/50 (0%)	1/50 (2%)	2/50 (4%)
POLY-3 RATE (b)	0/43.92	0/44.54	1/42.41	2/45.66
POLY-3 PERCENT (g)	0%	0%	2.4%	4.4%
TERMINAL (d)	0/31 (0%)	0/33 (0%)	1/25 (4%)	2/35 (6%)
FIRST INCIDENCE	---	---	729 (T)	729 (T)

**STATISTICAL TESTS**

LIFE TABLE	P=0.086	(e)	P=0.457	P=0.265
POLY 3	P=0.074	(e)	P=0.493	P=0.246
POLY 1.5	P=0.071	(e)	P=0.496	P=0.240
POLY 6	P=0.078	(e)	P=0.489	P=0.254
LOGISTIC REGRESSION	(e)	(e)	P=0.457	P=0.265
COCH-ARM / FISHERS	P=0.070	(e)	P=0.500	P=0.247
ORDER RESTRICTED	P=0.079	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.088	(e)	(e)	(e)

TDMS No. 96015 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Water disinfection byproducts (Dibromoacetonitrile)  
 CAS Number: 3252-43-5

Date Report Requested: 10/22/2007  
 Time Report Requested: 08:24:14  
 First Dose M/F: 09/05/01 / 09/05/01  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)**  
**TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/L	50 MG/L	100 MG/L	200 MG/L

**Adrenal Cortex**  
**Accessory Adrenal Cortical Nodule**

**LESION RATES**

OVERALL (a)	6/50 (12%)	1/50 (2%)	1/50 (2%)	2/50 (4%)
POLY-3 RATE (b)	6/43.73	1/45.69	1/45.03	2/44.59
POLY-3 PERCENT (g)	13.7%	2.2%	2.2%	4.5%
TERMINAL (d)	3/29 (10%)	1/35 (3%)	1/29 (3%)	2/31 (7%)
FIRST INCIDENCE	535	729 (T)	729 (T)	729 (T)

**STATISTICAL TESTS**

LIFE TABLE	P=0.113N	P=0.041N*	P=0.060N	P=0.121N
POLY 3	P=0.114N	P=0.049N*	P=0.051N	P=0.126N
POLY 1.5	P=0.113N	P=0.052N	P=0.053N	P=0.129N
POLY 6	P=0.114N	P=0.046N*	P=0.049N*	P=0.121N
LOGISTIC REGRESSION	P=0.110N	P=0.058N	P=0.057N	P=0.129N
COCH-ARM / FISHERS	P=0.114N	P=0.056N	P=0.056N	P=0.134N
ORDER RESTRICTED	P=0.019N*	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.021N*	(e)	(e)	(e)

TDMS No. 96015 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Water disinfection byproducts (Dibromoacetonitrile)  
 CAS Number: 3252-43-5

Date Report Requested: 10/22/2007  
 Time Report Requested: 08:24:14  
 First Dose M/F: 09/05/01 / 09/05/01  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)**  
**TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/L	50 MG/L	100 MG/L	200 MG/L

**Adrenal Cortex**  
**Angiectasis**

**LESION RATES**

OVERALL (a)	5/50 (10%)	1/50 (2%)	3/50 (6%)	1/50 (2%)
POLY-3 RATE (b)	5/43.96	1/45.85	3/45.48	1/44.59
POLY-3 PERCENT (g)	11.4%	2.2%	6.6%	2.2%
TERMINAL (d)	3/29 (10%)	0/35 (0%)	2/29 (7%)	1/31 (3%)
FIRST INCIDENCE	400	689	596	729 (T)

**STATISTICAL TESTS**

LIFE TABLE	P=0.111N	P=0.082N	P=0.346N	P=0.094N
POLY 3	P=0.115N	P=0.092N	P=0.337N	P=0.097N
POLY 1.5	P=0.115N	P=0.096N	P=0.346N	P=0.100N
POLY 6	P=0.115N	P=0.086N	P=0.329N	P=0.094N
LOGISTIC REGRESSION	P=0.120N	P=0.146N	P=0.427N	P=0.111N
COCH-ARM / FISHERS	P=0.114N	P=0.102N	P=0.357N	P=0.102N
ORDER RESTRICTED	P=0.044N*	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.049N*	(e)	(e)	(e)

TDMS No. 96015 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Water disinfection byproducts (Dibromoacetonitrile)  
 CAS Number: 3252-43-5

Date Report Requested: 10/22/2007  
 Time Report Requested: 08:24:14  
 First Dose M/F: 09/05/01 / 09/05/01  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)**  
**TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/L	50 MG/L	100 MG/L	200 MG/L

**Adrenal Cortex**  
**Cytoplasmic Alteration Focal**

**LESION RATES**

OVERALL (a)	2/50 (4%)	0/50 (0%)	4/50 (8%)	1/50 (2%)
POLY-3 RATE (b)	2/42.97	0/45.69	4/46.56	1/44.81
POLY-3 PERCENT (g)	4.7%	0%	8.6%	2.2%
TERMINAL (d)	1/29 (3%)	0/35 (0%)	0/29 (0%)	0/31 (0%)
FIRST INCIDENCE	714	---	566	671

**STATISTICAL TESTS**

LIFE TABLE	P=0.558N	P=0.201N	P=0.371	P=0.470N
POLY 3	P=0.574N	P=0.224N	P=0.375	P=0.485N
POLY 1.5	P=0.576N	P=0.229N	P=0.360	P=0.492N
POLY 6	P=0.569N	P=0.217N	P=0.392	P=0.476N
LOGISTIC REGRESSION	P=0.582N	P=0.211N	P=0.244	P=0.489N
COCH-ARM / FISHERS	P=0.577N	P=0.247N	P=0.339	P=0.500N
ORDER RESTRICTED	P=0.350	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.363	(e)	(e)	(e)

TDMS No. 96015 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Water disinfection byproducts (Dibromoacetonitrile)  
 CAS Number: 3252-43-5

Date Report Requested: 10/22/2007  
 Time Report Requested: 08:24:14  
 First Dose M/F: 09/05/01 / 09/05/01  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)**  
**TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/L	50 MG/L	100 MG/L	200 MG/L

**Adrenal Cortex**  
**Hyperplasia Focal**

**LESION RATES**

OVERALL (a)	2/50 (4%)	9/50 (18%)	10/50 (20%)	8/50 (16%)
POLY-3 RATE (b)	2/42.91	9/45.69	10/45.39	8/44.76
POLY-3 PERCENT (g)	4.7%	19.7%	22%	17.9%
TERMINAL (d)	2/29 (7%)	9/35 (26%)	8/29 (28%)	6/31 (19%)
FIRST INCIDENCE	729 (T)	729 (T)	649	702

**STATISTICAL TESTS**

LIFE TABLE	P=0.103	P=0.050*	P=0.016*	P=0.062
POLY 3	P=0.118	P=0.032*	P=0.017*	P=0.051
POLY 1.5	P=0.111	P=0.029*	P=0.016*	P=0.049*
POLY 6	P=0.130	P=0.035*	P=0.018*	P=0.056
LOGISTIC REGRESSION	P=0.116	P=0.050*	P=0.020*	P=0.060
COCH-ARM / FISHERS	P=0.105	P=0.026*	P=0.014*	P=0.046*
ORDER RESTRICTED	P=0.037*	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.044*	(e)	(e)	(e)

TDMS No. 96015 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Water disinfection byproducts (Dibromoacetonitrile)  
 CAS Number: 3252-43-5

Date Report Requested: 10/22/2007  
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 First Dose M/F: 09/05/01 / 09/05/01  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)**  
**TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/L	50 MG/L	100 MG/L	200 MG/L

**Adrenal Cortex**  
**Infiltration Cellular Mixed Cell**

**LESION RATES**

OVERALL (a)	0/50 (0%)	0/50 (0%)	1/50 (2%)	2/50 (4%)
POLY-3 RATE (b)	0/42.91	0/45.69	1/45.32	2/44.86
POLY-3 PERCENT (g)	0%	0%	2.2%	4.5%
TERMINAL (d)	0/29 (0%)	0/35 (0%)	0/29 (0%)	1/31 (3%)
FIRST INCIDENCE	---	---	649	657

**STATISTICAL TESTS**

LIFE TABLE	P=0.074	(e)	P=0.523	P=0.258
POLY 3	P=0.072	(e)	P=0.511	P=0.247
POLY 1.5	P=0.071	(e)	P=0.507	P=0.243
POLY 6	P=0.074	(e)	P=0.515	P=0.254
LOGISTIC REGRESSION	P=0.071	(e)	P=0.456	P=0.238
COCH-ARM / FISHERS	P=0.070	(e)	P=0.500	P=0.247
ORDER RESTRICTED	P=0.080	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.090	(e)	(e)	(e)

TDMS No. 96015 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Water disinfection byproducts (Dibromoacetonitrile)  
 CAS Number: 3252-43-5

Date Report Requested: 10/22/2007  
 Time Report Requested: 08:24:14  
 First Dose M/F: 09/05/01 / 09/05/01  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)**  
**TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/L	50 MG/L	100 MG/L	200 MG/L

**Adrenal Cortex**  
**Vacuolization Cytoplasmic**

**LESION RATES**

OVERALL (a)	9/50 (18%)	8/50 (16%)	9/50 (18%)	6/50 (12%)
POLY-3 RATE (b)	9/44.29	8/46.65	9/46.05	6/45.63
POLY-3 PERCENT (g)	20.3%	17.2%	19.5%	13.2%
TERMINAL (d)	4/29 (14%)	4/35 (11%)	5/29 (17%)	1/31 (3%)
FIRST INCIDENCE	562	576	594	590

**STATISTICAL TESTS**

LIFE TABLE	P=0.246N	P=0.384N	P=0.554N	P=0.247N
POLY 3	P=0.244N	P=0.453N	P=0.568N	P=0.265N
POLY 1.5	P=0.251N	P=0.471N	P=0.580N	P=0.275N
POLY 6	P=0.236N	P=0.434N	P=0.559N	P=0.252N
LOGISTIC REGRESSION	P=0.263N	P=0.523N	P=0.598	P=0.296N
COCH-ARM / FISHERS	P=0.257N	P=0.500N	P=0.602N	P=0.288N
ORDER RESTRICTED	P=0.298N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.309N	(e)	(e)	(e)

TDMS No. 96015 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Water disinfection byproducts (Dibromoacetonitrile)  
 CAS Number: 3252-43-5

Date Report Requested: 10/22/2007  
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 First Dose M/F: 09/05/01 / 09/05/01  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)**  
**TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/L	50 MG/L	100 MG/L	200 MG/L

**Adrenal Medulla  
 Hyperplasia Focal**

**LESION RATES**

OVERALL (a)	2/49 (4%)	2/50 (4%)	1/50 (2%)	5/50 (10%)
POLY-3 RATE (b)	2/43.21	2/45.69	1/45.03	5/45.31
POLY-3 PERCENT (g)	4.6%	4.4%	2.2%	11%
TERMINAL (d)	0/29 (0%)	2/35 (6%)	1/29 (3%)	4/31 (13%)
FIRST INCIDENCE	594	729 (T)	729 (T)	477

**STATISTICAL TESTS**

LIFE TABLE	P=0.116	P=0.642N	P=0.479N	P=0.245
POLY 3	P=0.119	P=0.674N	P=0.486N	P=0.235
POLY 1.5	P=0.118	P=0.678N	P=0.488N	P=0.231
POLY 6	P=0.120	P=0.670N	P=0.486N	P=0.239
LOGISTIC REGRESSION	P=0.117	P=0.671	P=0.545N	P=0.211
COCH-ARM / FISHERS	P=0.117	P=0.684N	P=0.492N	P=0.226
ORDER RESTRICTED	P=0.102	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.112	(e)	(e)	(e)

TDMS No. 96015 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Water disinfection byproducts (Dibromoacetonitrile)  
 CAS Number: 3252-43-5

Date Report Requested: 10/22/2007  
 Time Report Requested: 08:24:14  
 First Dose M/F: 09/05/01 / 09/05/01  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)**  
**TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/L	50 MG/L	100 MG/L	200 MG/L

**Bone Marrow  
Hyperplasia**

**LESION RATES**

OVERALL (a)	3/49 (6%)	1/50 (2%)	5/50 (10%)	2/50 (4%)
POLY-3 RATE (b)	3/42.97	1/45.69	5/46.30	2/44.86
POLY-3 PERCENT (g)	7%	2.2%	10.8%	4.5%
TERMINAL (d)	2/29 (7%)	1/35 (3%)	0/29 (0%)	1/31 (3%)
FIRST INCIDENCE	583	729 (T)	596	657

**STATISTICAL TESTS**

LIFE TABLE	P=0.547N	P=0.251N	P=0.391	P=0.467N
POLY 3	P=0.552N	P=0.283N	P=0.398	P=0.480N
POLY 1.5	P=0.554N	P=0.289N	P=0.386	P=0.485N
POLY 6	P=0.547N	P=0.277N	P=0.412	P=0.473N
LOGISTIC REGRESSION	P=0.557N	P=0.302N	P=0.301	P=0.495N
COCH-ARM / FISHERS	P=0.555N	P=0.301N	P=0.369	P=0.490N
ORDER RESTRICTED	P=0.430	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.439	(e)	(e)	(e)

TDMS No. 96015 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Water disinfection byproducts (Dibromoacetonitrile)  
 CAS Number: 3252-43-5

Date Report Requested: 10/22/2007  
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 First Dose M/F: 09/05/01 / 09/05/01  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)**  
**TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/L	50 MG/L	100 MG/L	200 MG/L

**Brain**  
**Compression Focal**

**LESION RATES**

OVERALL (a)	12/50 (24%)	12/50 (24%)	19/50 (38%)	6/50 (12%)
POLY-3 RATE (b)	12/45.13	12/48.28	19/46.83	6/45.23
POLY-3 PERCENT (g)	26.6%	24.9%	40.6%	13.3%
TERMINAL (d)	6/29 (21%)	5/35 (14%)	8/29 (28%)	3/31 (10%)
FIRST INCIDENCE	535	561	596	629

**STATISTICAL TESTS**

LIFE TABLE	P=0.123N	P=0.447N	P=0.154	P=0.084N
POLY 3	P=0.121N	P=0.518N	P=0.113	P=0.091N
POLY 1.5	P=0.118N	P=0.548N	P=0.106	P=0.093N
POLY 6	P=0.125N	P=0.482N	P=0.121	P=0.088N
LOGISTIC REGRESSION	P=0.123N	P=0.448	P=0.093	P=0.102N
COCH-ARM / FISHERS	P=0.116N	P=0.592N	P=0.097	P=0.096N
ORDER RESTRICTED	P=0.042N*	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.045N*	(e)	(e)	(e)

TDMS No. 96015 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Water disinfection byproducts (Dibromoacetonitrile)  
 CAS Number: 3252-43-5

Date Report Requested: 10/22/2007  
 Time Report Requested: 08:24:14  
 First Dose M/F: 09/05/01 / 09/05/01  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)**  
**TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/L	50 MG/L	100 MG/L	200 MG/L

**Brain**  
**Hemorrhage Focal**

**LESION RATES**

OVERALL (a)	2/50 (4%)	1/50 (2%)	1/50 (2%)	2/50 (4%)
POLY-3 RATE (b)	2/43.45	1/46.14	1/45.56	2/45.92
POLY-3 PERCENT (g)	4.6%	2.2%	2.2%	4.4%
TERMINAL (d)	1/29 (3%)	0/35 (0%)	0/29 (0%)	0/31 (0%)
FIRST INCIDENCE	563	600	566	380

**STATISTICAL TESTS**

LIFE TABLE	P=0.565	P=0.456N	P=0.478N	P=0.674N
POLY 3	P=0.565	P=0.479N	P=0.483N	P=0.674N
POLY 1.5	P=0.561	P=0.487N	P=0.490N	P=0.682N
POLY 6	P=0.570	P=0.469N	P=0.478N	P=0.664N
LOGISTIC REGRESSION	P=0.587	P=0.641N	P=0.637N	P=0.682
COCH-ARM / FISHERS	P=0.556	P=0.500N	P=0.500N	P=0.691N
ORDER RESTRICTED	P=0.521N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.529N	(e)	(e)	(e)

TDMS No. 96015 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Water disinfection byproducts (Dibromoacetonitrile)  
 CAS Number: 3252-43-5

Date Report Requested: 10/22/2007  
 Time Report Requested: 08:24:14  
 First Dose M/F: 09/05/01 / 09/05/01  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)**  
**TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/L	50 MG/L	100 MG/L	200 MG/L

**Clitoral Gland  
 Degeneration Cystic**

**LESION RATES**

OVERALL (a)	2/50 (4%)	2/50 (4%)	4/47 (9%)	6/50 (12%)
POLY-3 RATE (b)	2/42.91	2/45.69	4/42.80	6/45.03
POLY-3 PERCENT (g)	4.7%	4.4%	9.4%	13.3%
TERMINAL (d)	2/29 (7%)	2/35 (6%)	2/29 (7%)	4/31 (13%)
FIRST INCIDENCE	729 (T)	729 (T)	649	671

**STATISTICAL TESTS**

LIFE TABLE	P=0.059	P=0.626N	P=0.355	P=0.161
POLY 3	P=0.060	P=0.671N	P=0.335	P=0.148
POLY 1.5	P=0.058	P=0.680N	P=0.325	P=0.141
POLY 6	P=0.063	P=0.661N	P=0.348	P=0.159
LOGISTIC REGRESSION	P=0.059	P=0.626N	P=0.326	P=0.153
COCH-ARM / FISHERS	P=0.056	P=0.691N	P=0.310	P=0.134
ORDER RESTRICTED	P=0.095	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.093	(e)	(e)	(e)

TDMS No. 96015 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Water disinfection byproducts (Dibromoacetonitrile)  
 CAS Number: 3252-43-5

Date Report Requested: 10/22/2007  
 Time Report Requested: 08:24:14  
 First Dose M/F: 09/05/01 / 09/05/01  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)**  
**TERMINAL SACRIFICE AT 105 WEEKS**

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DOSE	Females			
	0 MG/L	50 MG/L	100 MG/L	200 MG/L

---

**Clitoral Gland  
 Hyperplasia Cystic**

**LESION RATES**

OVERALL (a)	4/50 (8%)	3/50 (6%)	8/47 (17%)	4/50 (8%)
POLY-3 RATE (b)	4/42.91	3/46.07	8/42.37	4/44.86
POLY-3 PERCENT (g)	9.3%	6.5%	18.9%	8.9%
TERMINAL (d)	4/29 (14%)	2/35 (6%)	7/29 (24%)	3/31 (10%)
FIRST INCIDENCE	729 (T)	623	701	657

**STATISTICAL TESTS**

LIFE TABLE	P=0.460	P=0.405N	P=0.177	P=0.605N
POLY 3	P=0.464	P=0.461N	P=0.168	P=0.619N
POLY 1.5	P=0.455	P=0.477N	P=0.161	P=0.630N
POLY 6	P=0.477	P=0.442N	P=0.176	P=0.603N
LOGISTIC REGRESSION	P=0.475	P=0.453N	P=0.171	P=0.602N
COCH-ARM / FISHERS	P=0.447	P=0.500N	P=0.149	P=0.643N
ORDER RESTRICTED	P=0.296	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.312	(e)	(e)	(e)

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TDMS No. 96015 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Water disinfection byproducts (Dibromoacetonitrile)  
 CAS Number: 3252-43-5

Date Report Requested: 10/22/2007  
 Time Report Requested: 08:24:14  
 First Dose M/F: 09/05/01 / 09/05/01  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)**  
**TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/L	50 MG/L	100 MG/L	200 MG/L

**Clitoral Gland  
 Inflammation**

**LESION RATES**

OVERALL (a)	7/50 (14%)	2/50 (4%)	1/47 (2%)	3/50 (6%)
POLY-3 RATE (b)	7/43.24	2/45.94	1/42.26	3/44.59
POLY-3 PERCENT (g)	16.2%	4.4%	2.4%	6.7%
TERMINAL (d)	5/29 (17%)	1/35 (3%)	1/29 (3%)	3/31 (10%)
FIRST INCIDENCE	671	664	729 (T)	729 (T)

**STATISTICAL TESTS**

LIFE TABLE	P=0.127N	P=0.052N	P=0.032N*	P=0.131N
POLY 3	P=0.136N	P=0.064N	P=0.032N*	P=0.144N
POLY 1.5	P=0.135N	P=0.070N	P=0.034N*	P=0.150N
POLY 6	P=0.137N	P=0.058N	P=0.030N*	P=0.136N
LOGISTIC REGRESSION	P=0.121N	P=0.062N	P=0.031N*	P=0.126N
COCH-ARM / FISHERS	P=0.136N	P=0.080N	P=0.036N*	P=0.159N
ORDER RESTRICTED	P=0.024N*	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.030N*	(e)	(e)	(e)

TDMS No. 96015 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Water disinfection byproducts (Dibromoacetonitrile)  
 CAS Number: 3252-43-5

Date Report Requested: 10/22/2007  
 Time Report Requested: 08:24:14  
 First Dose M/F: 09/05/01 / 09/05/01  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)**  
**TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/L	50 MG/L	100 MG/L	200 MG/L

**Esophagus: Epithelium  
 Hyperkeratosis**

**LESION RATES**

OVERALL (a)	10/49 (20%)	8/50 (16%)	28/50 (56%)	48/50 (96%)
POLY-3 RATE (b)	10/46.01	8/47.65	28/48.67	48/50.00
POLY-3 PERCENT (g)	21.7%	16.8%	57.5%	96%
TERMINAL (d)	1/28 (4%)	2/35 (6%)	16/29 (55%)	29/31 (94%)
FIRST INCIDENCE	400	576	520	380

**STATISTICAL TESTS**

LIFE TABLE	P<0.001**	P=0.322N	P=0.003**	P<0.001**
POLY 3	P<0.001**	P=0.366N	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P=0.372N	P<0.001**	P<0.001**
POLY 6	P<0.001**	P=0.356N	P<0.001**	P<0.001**
LOGISTIC REGRESSION	P<0.001**	P=0.495	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.379N	P<0.001**	P<0.001**
ORDER RESTRICTED	P<0.001**	(e)	(e)	(e)
MAX-ISO-POLY-3	P<0.001**	(e)	(e)	(e)

TDMS No. 96015 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Water disinfection byproducts (Dibromoacetonitrile)  
 CAS Number: 3252-43-5

Date Report Requested: 10/22/2007  
 Time Report Requested: 08:24:14  
 First Dose M/F: 09/05/01 / 09/05/01  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)**  
**TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/L	50 MG/L	100 MG/L	200 MG/L

**Eye Atrophy**

**LESION RATES**

OVERALL (a)	0/47 (0%)	2/50 (4%)	1/50 (2%)	3/48 (6%)
POLY-3 RATE (b)	0/40.97	2/46.14	1/45.15	3/44.38
POLY-3 PERCENT (g)	0%	4.3%	2.2%	6.8%
TERMINAL (d)	0/28 (0%)	1/35 (3%)	0/29 (0%)	2/31 (7%)
FIRST INCIDENCE	---	600	699	380

**STATISTICAL TESTS**

LIFE TABLE	P=0.111	P=0.277	P=0.528	P=0.135
POLY 3	P=0.113	P=0.264	P=0.519	P=0.133
POLY 1.5	P=0.109	P=0.259	P=0.517	P=0.129
POLY 6	P=0.118	P=0.271	P=0.522	P=0.139
LOGISTIC REGRESSION	P=0.103	P=0.208	P=0.514	P=0.105
COCH-ARM / FISHERS	P=0.102	P=0.263	P=0.515	P=0.125
ORDER RESTRICTED	P=0.067	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.076	(e)	(e)	(e)

TDMS No. 96015 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Water disinfection byproducts (Dibromoacetonitrile)  
 CAS Number: 3252-43-5

Date Report Requested: 10/22/2007  
 Time Report Requested: 08:24:14  
 First Dose M/F: 09/05/01 / 09/05/01  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)**  
**TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/L	50 MG/L	100 MG/L	200 MG/L

Eye  
 Cataract

**LESION RATES**

OVERALL (a)	3/47 (6%)	2/50 (4%)	0/50 (0%)	0/48 (0%)
POLY-3 RATE (b)	3/41.42	2/45.94	0/45.03	0/43.52
POLY-3 PERCENT (g)	7.2%	4.4%	0%	0%
TERMINAL (d)	2/28 (7%)	1/35 (3%)	0/29 (0%)	0/31 (0%)
FIRST INCIDENCE	594	664	---	---

**STATISTICAL TESTS**

LIFE TABLE	P=0.036N*	P=0.421N	P=0.112N	P=0.107N
POLY 3	P=0.036N*	P=0.453N	P=0.104N	P=0.110N
POLY 1.5	P=0.036N*	P=0.460N	P=0.105N	P=0.112N
POLY 6	P=0.036N*	P=0.445N	P=0.103N	P=0.106N
LOGISTIC REGRESSION	P=0.039N*	P=0.488N	P=0.114N	P=0.120N
COCH-ARM / FISHERS	P=0.037N*	P=0.470N	P=0.110N	P=0.117N
ORDER RESTRICTED	P=0.033N*	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.037N*	(e)	(e)	(e)

TDMS No. 96015 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Water disinfection byproducts (Dibromoacetonitrile)  
 CAS Number: 3252-43-5

Date Report Requested: 10/22/2007  
 Time Report Requested: 08:24:14  
 First Dose M/F: 09/05/01 / 09/05/01  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)**  
**TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/L	50 MG/L	100 MG/L	200 MG/L

Eye: Retina  
 Degeneration

**LESION RATES**

OVERALL (a)	2/47 (4%)	2/50 (4%)	0/50 (0%)	0/48 (0%)
POLY-3 RATE (b)	2/40.97	2/45.94	0/45.03	0/43.52
POLY-3 PERCENT (g)	4.9%	4.4%	0%	0%
TERMINAL (d)	2/28 (7%)	1/35 (3%)	0/29 (0%)	0/31 (0%)
FIRST INCIDENCE	729 (T)	664	---	---

**STATISTICAL TESTS**

LIFE TABLE	P=0.081N	P=0.623N	P=0.230N	P=0.216N
POLY 3	P=0.080N	P=0.652N	P=0.216N	P=0.224N
POLY 1.5	P=0.081N	P=0.660N	P=0.219N	P=0.228N
POLY 6	P=0.079N	P=0.643N	P=0.214N	P=0.218N
LOGISTIC REGRESSION	P=0.079N	P=0.652N	(e)	(e)
COCH-ARM / FISHERS	P=0.083N	P=0.668N	P=0.232N	P=0.242N
ORDER RESTRICTED	P=0.105N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.113N	(e)	(e)	(e)

TDMS No. 96015 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Water disinfection byproducts (Dibromoacetonitrile)  
 CAS Number: 3252-43-5

Date Report Requested: 10/22/2007  
 Time Report Requested: 08:24:14  
 First Dose M/F: 09/05/01 / 09/05/01  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)**  
**TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/L	50 MG/L	100 MG/L	200 MG/L

**Harderian Gland: Epithelium  
 Hyperplasia Focal**

**LESION RATES**

OVERALL (a)	4/50 (8%)	0/50 (0%)	1/50 (2%)	1/50 (2%)
POLY-3 RATE (b)	4/42.91	0/45.69	1/45.03	1/44.86
POLY-3 PERCENT (g)	9.3%	0%	2.2%	2.2%
TERMINAL (d)	4/29 (14%)	0/35 (0%)	1/29 (3%)	0/31 (0%)
FIRST INCIDENCE	729 (T)	---	729 (T)	657

**STATISTICAL TESTS**

LIFE TABLE	P=0.159N	P=0.041N*	P=0.177N	P=0.159N
POLY 3	P=0.166N	P=0.052N	P=0.164N	P=0.165N
POLY 1.5	P=0.165N	P=0.056N	P=0.170N	P=0.171N
POLY 6	P=0.168N	P=0.049N*	P=0.158N	P=0.156N
LOGISTIC REGRESSION	P=0.152N	(e)	P=0.177N	P=0.160N
COCH-ARM / FISHERS	P=0.163N	P=0.059N	P=0.181N	P=0.181N
ORDER RESTRICTED	P=0.029N*	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.035N*	(e)	(e)	(e)

TDMS No. 96015 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Water disinfection byproducts (Dibromoacetonitrile)  
 CAS Number: 3252-43-5

Date Report Requested: 10/22/2007  
 Time Report Requested: 08:24:14  
 First Dose M/F: 09/05/01 / 09/05/01  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)**  
**TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/L	50 MG/L	100 MG/L	200 MG/L

**Heart**  
**Cardiomyopathy**

**LESION RATES**

OVERALL (a)	34/50 (68%)	36/50 (72%)	36/50 (72%)	35/50 (70%)
POLY-3 RATE (b)	34/45.93	36/47.04	36/46.96	35/46.93
POLY-3 PERCENT (g)	74%	76.5%	76.7%	74.6%
TERMINAL (d)	25/29 (86%)	28/35 (80%)	25/29 (86%)	24/31 (77%)
FIRST INCIDENCE	550	636	596	477

**STATISTICAL TESTS**

LIFE TABLE	P=0.528	P=0.288N	P=0.483	P=0.472N
POLY 3	P=0.547N	P=0.484	P=0.477	P=0.573
POLY 1.5	P=0.519	P=0.456	P=0.453	P=0.538
POLY 6	P=0.505N	P=0.521	P=0.506	P=0.584N
LOGISTIC REGRESSION	P=0.491N	P=0.532N	P=0.584N	P=0.575N
COCH-ARM / FISHERS	P=0.490	P=0.414	P=0.414	P=0.500
ORDER RESTRICTED	P=0.639	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.640	(e)	(e)	(e)

TDMS No. 96015 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Water disinfection byproducts (Dibromoacetonitrile)  
 CAS Number: 3252-43-5

Date Report Requested: 10/22/2007  
 Time Report Requested: 08:24:14  
 First Dose M/F: 09/05/01 / 09/05/01  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)**  
**TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/L	50 MG/L	100 MG/L	200 MG/L

**Heart  
 Thrombosis**

**LESION RATES**

OVERALL (a)	3/50 (6%)	0/50 (0%)	2/50 (4%)	1/50 (2%)
POLY-3 RATE (b)	3/43.75	0/45.69	2/45.81	1/45.16
POLY-3 PERCENT (g)	6.9%	0%	4.4%	2.2%
TERMINAL (d)	1/29 (3%)	0/35 (0%)	0/29 (0%)	0/31 (0%)
FIRST INCIDENCE	551	---	566	551

**STATISTICAL TESTS**

LIFE TABLE	P=0.329N	P=0.106N	P=0.472N	P=0.292N
POLY 3	P=0.338N	P=0.111N	P=0.479N	P=0.294N
POLY 1.5	P=0.338N	P=0.114N	P=0.487N	P=0.299N
POLY 6	P=0.337N	P=0.108N	P=0.472N	P=0.287N
LOGISTIC REGRESSION	P=0.333N	P=0.163N	P=0.637N	P=0.326N
COCH-ARM / FISHERS	P=0.337N	P=0.121N	P=0.500N	P=0.309N
ORDER RESTRICTED	P=0.174N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.184N	(e)	(e)	(e)

TDMS No. 96015 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Water disinfection byproducts (Dibromoacetonitrile)  
 CAS Number: 3252-43-5

Date Report Requested: 10/22/2007  
 Time Report Requested: 08:24:14  
 First Dose M/F: 09/05/01 / 09/05/01  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)**  
**TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/L	50 MG/L	100 MG/L	200 MG/L

**Islets, Pancreatic  
 Hyperplasia**

**LESION RATES**

OVERALL (a)	0/50 (0%)	1/50 (2%)	1/50 (2%)	0/49 (0%)
POLY-3 RATE (b)	0/42.91	1/45.69	1/45.03	0/44.16
POLY-3 PERCENT (g)	0%	2.2%	2.2%	0%
TERMINAL (d)	0/29 (0%)	1/35 (3%)	1/29 (3%)	0/31 (0%)
FIRST INCIDENCE	---	729 (T)	729 (T)	---

**STATISTICAL TESTS**

LIFE TABLE	P=0.596N	P=0.538	P=0.500	(e)
POLY 3	P=0.585N	P=0.513	P=0.510	(e)
POLY 1.5	P=0.591N	P=0.508	P=0.506	(e)
POLY 6	P=0.577N	P=0.518	P=0.513	(e)
LOGISTIC REGRESSION	(e)	P=0.538	P=0.500	(e)
COCH-ARM / FISHERS	P=0.599N	P=0.500	P=0.500	(e)
ORDER RESTRICTED	P=0.409N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.420N	(e)	(e)	(e)

TDMS No. 96015 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Water disinfection byproducts (Dibromoacetonitrile)  
 CAS Number: 3252-43-5

Date Report Requested: 10/22/2007  
 Time Report Requested: 08:24:14  
 First Dose M/F: 09/05/01 / 09/05/01  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)**  
**TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/L	50 MG/L	100 MG/L	200 MG/L

**Kidney  
 Infarct**

**LESION RATES**

OVERALL (a)	1/50 (2%)	1/49 (2%)	0/50 (0%)	4/49 (8%)
POLY-3 RATE (b)	1/42.91	1/44.89	0/45.03	4/43.95
POLY-3 PERCENT (g)	2.3%	2.2%	0%	9.1%
TERMINAL (d)	1/29 (3%)	1/35 (3%)	0/29 (0%)	4/31 (13%)
FIRST INCIDENCE	729 (T)	729 (T)	---	729 (T)

**STATISTICAL TESTS**

LIFE TABLE	P=0.059	P=0.720N	P=0.500N	P=0.198
POLY 3	P=0.060	P=0.751N	P=0.490N	P=0.185
POLY 1.5	P=0.059	P=0.756N	P=0.494N	P=0.180
POLY 6	P=0.060	P=0.743N	P=0.487N	P=0.194
LOGISTIC REGRESSION	P=0.059	P=0.720N	(e)	P=0.198
COCH-ARM / FISHERS	P=0.060	P=0.747	P=0.500N	P=0.175
ORDER RESTRICTED	P=0.036*	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.042*	(e)	(e)	(e)

TDMS No. 96015 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Water disinfection byproducts (Dibromoacetonitrile)  
 CAS Number: 3252-43-5

Date Report Requested: 10/22/2007  
 Time Report Requested: 08:24:14  
 First Dose M/F: 09/05/01 / 09/05/01  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)**  
**TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/L	50 MG/L	100 MG/L	200 MG/L

**Kidney  
 Nephropathy**

**LESION RATES**

OVERALL (a)	33/50 (66%)	36/49 (73%)	44/50 (88%)	43/49 (88%)
POLY-3 RATE (b)	33/45.07	36/47.03	44/48.18	43/46.78
POLY-3 PERCENT (g)	73.2%	76.6%	91.3%	91.9%
TERMINAL (d)	24/29 (83%)	27/35 (77%)	28/29 (97%)	30/31 (97%)
FIRST INCIDENCE	535	596	596	477

**STATISTICAL TESTS**

LIFE TABLE	P=0.035*	P=0.367N	P=0.051	P=0.114
POLY 3	P=0.002**	P=0.446	P=0.012*	P=0.009**
POLY 1.5	P=0.002**	P=0.369	P=0.009**	P=0.008**
POLY 6	P=0.004**	P=0.558	P=0.019*	P=0.015*
LOGISTIC REGRESSION	P=0.004**	P=0.500	P=0.020*	P=0.015*
COCH-ARM / FISHERS	P=0.003**	P=0.278	P=0.008**	P=0.009**
ORDER RESTRICTED	P=0.006**	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.004**	(e)	(e)	(e)

TDMS No. 96015 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Water disinfection byproducts (Dibromoacetonitrile)  
 CAS Number: 3252-43-5

Date Report Requested: 10/22/2007  
 Time Report Requested: 08:24:14  
 First Dose M/F: 09/05/01 / 09/05/01  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)**  
**TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/L	50 MG/L	100 MG/L	200 MG/L

**Kidney: Pelvis**  
**Inflammation Chronic**

**LESION RATES**

OVERALL (a)	1/50 (2%)	0/49 (0%)	0/50 (0%)	7/49 (14%)
POLY-3 RATE (b)	1/42.97	0/44.89	0/45.03	7/44.53
POLY-3 PERCENT (g)	2.3%	0%	0%	15.7%
TERMINAL (d)	0/29 (0%)	0/35 (0%)	0/29 (0%)	4/31 (13%)
FIRST INCIDENCE	714	---	---	648

**STATISTICAL TESTS**

LIFE TABLE	P<0.001**	P=0.466N	P=0.500N	P=0.046*
POLY 3	P<0.001**	P=0.491N	P=0.491N	P=0.033*
POLY 1.5	P<0.001**	P=0.496N	P=0.494N	P=0.031*
POLY 6	P<0.001**	P=0.485N	P=0.487N	P=0.037*
LOGISTIC REGRESSION	P<0.001**	P=0.486N	P=0.487N	P=0.035*
COCH-ARM / FISHERS	P<0.001**	P=0.505N	P=0.500N	P=0.028*
ORDER RESTRICTED	P<0.001**	(e)	(e)	(e)
MAX-ISO-POLY-3	P<0.001**	(e)	(e)	(e)

TDMS No. 96015 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Water disinfection byproducts (Dibromoacetonitrile)  
 CAS Number: 3252-43-5

Date Report Requested: 10/22/2007  
 Time Report Requested: 08:24:14  
 First Dose M/F: 09/05/01 / 09/05/01  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)**  
**TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/L	50 MG/L	100 MG/L	200 MG/L

**Kidney: Renal Tubule  
 Accumulation, Hyaline Droplet**

**LESION RATES**

OVERALL (a)	11/50 (22%)	18/49 (37%)	17/50 (34%)	14/49 (29%)
POLY-3 RATE (b)	11/43.61	18/45.52	17/46.83	14/44.14
POLY-3 PERCENT (g)	25.2%	39.5%	36.3%	31.7%
TERMINAL (d)	9/29 (31%)	16/35 (46%)	11/29 (38%)	12/31 (39%)
FIRST INCIDENCE	562	608	520	701

**STATISTICAL TESTS**

LIFE TABLE	P=0.430	P=0.216	P=0.153	P=0.396
POLY 3	P=0.432	P=0.109	P=0.179	P=0.330
POLY 1.5	P=0.416	P=0.097	P=0.160	P=0.316
POLY 6	P=0.456	P=0.125	P=0.202	P=0.351
LOGISTIC REGRESSION	P=0.449	P=0.133	P=0.154	P=0.390
COCH-ARM / FISHERS	P=0.399	P=0.082	P=0.133	P=0.301
ORDER RESTRICTED	P=0.229	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.238	(e)	(e)	(e)

TDMS No. 96015 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Water disinfection byproducts (Dibromoacetonitrile)  
 CAS Number: 3252-43-5

Date Report Requested: 10/22/2007  
 Time Report Requested: 08:24:14  
 First Dose M/F: 09/05/01 / 09/05/01  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)**  
**TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/L	50 MG/L	100 MG/L	200 MG/L

**Kidney: Renal Tubule  
 Cyst**

**LESION RATES**

OVERALL (a)	1/50 (2%)	1/49 (2%)	0/50 (0%)	1/49 (2%)
POLY-3 RATE (b)	1/42.91	1/45.39	0/45.03	1/43.95
POLY-3 PERCENT (g)	2.3%	2.2%	0%	2.3%
TERMINAL (d)	1/29 (3%)	0/35 (0%)	0/29 (0%)	1/31 (3%)
FIRST INCIDENCE	729 (T)	576	---	729 (T)

**STATISTICAL TESTS**

LIFE TABLE	P=0.613N	P=0.727N	P=0.500N	P=0.747N
POLY 3	P=0.616N	P=0.748N	P=0.490N	P=0.755N
POLY 1.5	P=0.617N	P=0.755N	P=0.494N	P=0.760N
POLY 6	P=0.616N	P=0.739N	P=0.487N	P=0.749N
LOGISTIC REGRESSION	P=0.624N	P=0.711	(e)	P=0.747N
COCH-ARM / FISHERS	P=0.620N	P=0.747	P=0.500N	P=0.747
ORDER RESTRICTED	P=0.528N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.534N	(e)	(e)	(e)

TDMS No. 96015 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Water disinfection byproducts (Dibromoacetonitrile)  
 CAS Number: 3252-43-5

Date Report Requested: 10/22/2007  
 Time Report Requested: 08:24:14  
 First Dose M/F: 09/05/01 / 09/05/01  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)**  
**TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/L	50 MG/L	100 MG/L	200 MG/L

**Kidney: Renal Tubule  
 Pigmentation**

**LESION RATES**

OVERALL (a)	1/50 (2%)	0/49 (0%)	0/50 (0%)	0/49 (0%)
POLY-3 RATE (b)	1/42.91	0/44.89	0/45.03	0/43.95
POLY-3 PERCENT (g)	2.3%	0%	0%	0%
TERMINAL (d)	1/29 (3%)	0/35 (0%)	0/29 (0%)	0/31 (0%)
FIRST INCIDENCE	729 (T)	---	---	---

**STATISTICAL TESTS**

LIFE TABLE	P=0.305N	P=0.462N	P=0.500N	P=0.487N
POLY 3	P=0.316N	P=0.491N	P=0.490N	P=0.495N
POLY 1.5	P=0.312N	P=0.496N	P=0.494N	P=0.499N
POLY 6	P=0.322N	P=0.485N	P=0.487N	P=0.490N
LOGISTIC REGRESSION	P=0.305N	(e)	(e)	(e)
COCH-ARM / FISHERS	P=0.307N	P=0.505N	P=0.500N	P=0.505N
ORDER RESTRICTED	P=0.115N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.125N	(e)	(e)	(e)

TDMS No. 96015 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Water disinfection byproducts (Dibromoacetonitrile)  
 CAS Number: 3252-43-5

Date Report Requested: 10/22/2007  
 Time Report Requested: 08:24:14  
 First Dose M/F: 09/05/01 / 09/05/01  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)**  
**TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/L	50 MG/L	100 MG/L	200 MG/L

**Liver**  
**Angiectasis Focal**

**LESION RATES**

OVERALL (a)	2/50 (4%)	1/50 (2%)	1/50 (2%)	3/50 (6%)
POLY-3 RATE (b)	2/43.28	1/45.69	1/45.25	3/44.65
POLY-3 PERCENT (g)	4.6%	2.2%	2.2%	6.7%
TERMINAL (d)	1/29 (3%)	1/35 (3%)	0/29 (0%)	2/31 (7%)
FIRST INCIDENCE	626	729 (T)	672	714

**STATISTICAL TESTS**

LIFE TABLE	P=0.334	P=0.448N	P=0.471N	P=0.534
POLY 3	P=0.327	P=0.481N	P=0.484N	P=0.514
POLY 1.5	P=0.326	P=0.488N	P=0.490N	P=0.508
POLY 6	P=0.329	P=0.473N	P=0.479N	P=0.523
LOGISTIC REGRESSION	P=0.328	P=0.501N	P=0.527N	P=0.516
COCH-ARM / FISHERS	P=0.324	P=0.500N	P=0.500N	P=0.500
ORDER RESTRICTED	P=0.295	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.306	(e)	(e)	(e)

TDMS No. 96015 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Water disinfection byproducts (Dibromoacetonitrile)  
 CAS Number: 3252-43-5

Date Report Requested: 10/22/2007  
 Time Report Requested: 08:24:14  
 First Dose M/F: 09/05/01 / 09/05/01  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)**  
**TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/L	50 MG/L	100 MG/L	200 MG/L

**Liver  
 Congestion**

**LESION RATES**

OVERALL (a)	3/50 (6%)	5/50 (10%)	4/50 (8%)	6/50 (12%)
POLY-3 RATE (b)	3/42.91	5/46.11	4/45.16	6/44.76
POLY-3 PERCENT (g)	7%	10.8%	8.9%	13.4%
TERMINAL (d)	3/29 (10%)	4/35 (11%)	2/29 (7%)	4/31 (13%)
FIRST INCIDENCE	729 (T)	608	699	702

**STATISTICAL TESTS**

LIFE TABLE	P=0.234	P=0.456	P=0.514	P=0.281
POLY 3	P=0.240	P=0.396	P=0.528	P=0.262
POLY 1.5	P=0.234	P=0.380	P=0.517	P=0.253
POLY 6	P=0.249	P=0.417	P=0.539	P=0.276
LOGISTIC REGRESSION	P=0.245	P=0.403	P=0.535	P=0.282
COCH-ARM / FISHERS	P=0.226	P=0.357	P=0.500	P=0.243
ORDER RESTRICTED	P=0.257	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.270	(e)	(e)	(e)

TDMS No. 96015 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Water disinfection byproducts (Dibromoacetonitrile)  
 CAS Number: 3252-43-5

Date Report Requested: 10/22/2007  
 Time Report Requested: 08:24:14  
 First Dose M/F: 09/05/01 / 09/05/01  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)**  
**TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/L	50 MG/L	100 MG/L	200 MG/L

Liver  
 Degeneration Cystic Focal

**LESION RATES**

OVERALL (a)	1/50 (2%)	0/50 (0%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	1/42.91	0/45.69	1/45.03	0/44.59
POLY-3 PERCENT (g)	2.3%	0%	2.2%	0%
TERMINAL (d)	1/29 (3%)	0/35 (0%)	1/29 (3%)	0/31 (0%)
FIRST INCIDENCE	729 (T)	---	729 (T)	---

**STATISTICAL TESTS**

LIFE TABLE	P=0.404N	P=0.462N	P=0.762	P=0.487N
POLY 3	P=0.408N	P=0.487N	P=0.750N	P=0.492N
POLY 1.5	P=0.407N	P=0.492N	P=0.754N	P=0.496N
POLY 6	P=0.409N	P=0.482N	P=0.746N	P=0.488N
LOGISTIC REGRESSION	P=0.404N	(e)	P=0.762	(e)
COCH-ARM / FISHERS	P=0.405N	P=0.500N	P=0.753N	P=0.500N
ORDER RESTRICTED	P=0.243N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.255N	(e)	(e)	(e)

TDMS No. 96015 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Water disinfection byproducts (Dibromoacetonitrile)  
 CAS Number: 3252-43-5

Date Report Requested: 10/22/2007  
 Time Report Requested: 08:24:14  
 First Dose M/F: 09/05/01 / 09/05/01  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)**  
**TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/L	50 MG/L	100 MG/L	200 MG/L

**Liver**  
**Hematopoietic Cell Proliferation**

**LESION RATES**

OVERALL (a)	0/50 (0%)	0/50 (0%)	3/50 (6%)	1/50 (2%)
POLY-3 RATE (b)	0/42.91	0/45.69	3/46.22	1/44.86
POLY-3 PERCENT (g)	0%	0%	6.5%	2.2%
TERMINAL (d)	0/29 (0%)	0/35 (0%)	0/29 (0%)	0/31 (0%)
FIRST INCIDENCE	---	---	596	657

**STATISTICAL TESTS**

LIFE TABLE	P=0.262	(e)	P=0.143	P=0.519
POLY 3	P=0.255	(e)	P=0.132	P=0.509
POLY 1.5	P=0.250	(e)	P=0.127	P=0.505
POLY 6	P=0.263	(e)	P=0.139	P=0.515
LOGISTIC REGRESSION	P=0.259	(e)	P=0.049*	P=0.491
COCH-ARM / FISHERS	P=0.247	(e)	P=0.121	P=0.500
ORDER RESTRICTED	P=0.126	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.138	(e)	(e)	(e)

TDMS No. 96015 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Water disinfection byproducts (Dibromoacetonitrile)  
 CAS Number: 3252-43-5

Date Report Requested: 10/22/2007  
 Time Report Requested: 08:24:14  
 First Dose M/F: 09/05/01 / 09/05/01  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)**  
**TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/L	50 MG/L	100 MG/L	200 MG/L

Liver  
 Hepatodiaphragmatic Nodule

**LESION RATES**

OVERALL (a)	7/50 (14%)	5/50 (10%)	6/50 (12%)	3/50 (6%)
POLY-3 RATE (b)	7/43.78	5/46.14	6/45.67	3/45.16
POLY-3 PERCENT (g)	16%	10.8%	13.1%	6.6%
TERMINAL (d)	4/29 (14%)	4/35 (11%)	5/29 (17%)	0/31 (0%)
FIRST INCIDENCE	562	600	520	657

**STATISTICAL TESTS**

LIFE TABLE	P=0.143N	P=0.279N	P=0.486N	P=0.138N
POLY 3	P=0.139N	P=0.342N	P=0.467N	P=0.144N
POLY 1.5	P=0.143N	P=0.357N	P=0.479N	P=0.151N
POLY 6	P=0.133N	P=0.327N	P=0.460N	P=0.135N
LOGISTIC REGRESSION	P=0.148N	P=0.371N	P=0.499N	P=0.159N
COCH-ARM / FISHERS	P=0.146N	P=0.380N	P=0.500N	P=0.159N
ORDER RESTRICTED	P=0.132N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.142N	(e)	(e)	(e)

TDMS No. 96015 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Water disinfection byproducts (Dibromoacetonitrile)  
 CAS Number: 3252-43-5

Date Report Requested: 10/22/2007  
 Time Report Requested: 08:24:14  
 First Dose M/F: 09/05/01 / 09/05/01  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)**  
**TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/L	50 MG/L	100 MG/L	200 MG/L

**Liver  
 Inflammation Chronic**

**LESION RATES**

OVERALL (a)	35/50 (70%)	41/50 (82%)	30/50 (60%)	34/50 (68%)
POLY-3 RATE (b)	35/45.82	41/48.15	30/45.77	34/45.60
POLY-3 PERCENT (g)	76.4%	85.2%	65.5%	74.6%
TERMINAL (d)	23/29 (79%)	32/35 (91%)	22/29 (76%)	26/31 (84%)
FIRST INCIDENCE	535	576	672	671

**STATISTICAL TESTS**

LIFE TABLE	P=0.227N	P=0.556N	P=0.198N	P=0.319N
POLY 3	P=0.249N	P=0.191	P=0.166N	P=0.517N
POLY 1.5	P=0.240N	P=0.159	P=0.174N	P=0.510N
POLY 6	P=0.273N	P=0.230	P=0.181N	P=0.537N
LOGISTIC REGRESSION	P=0.107N	P=0.268	P=0.067N	P=0.301N
COCH-ARM / FISHERS	P=0.233N	P=0.121	P=0.201N	P=0.500N
ORDER RESTRICTED	P=0.154N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.158N	(e)	(e)	(e)

TDMS No. 96015 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Water disinfection byproducts (Dibromoacetonitrile)  
 CAS Number: 3252-43-5

Date Report Requested: 10/22/2007  
 Time Report Requested: 08:24:14  
 First Dose M/F: 09/05/01 / 09/05/01  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)**  
**TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/L	50 MG/L	100 MG/L	200 MG/L

Liver  
 Necrosis

**LESION RATES**

OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/42.91	0/45.69	0/45.03	0/44.59
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/29 (0%)	0/35 (0%)	0/29 (0%)	0/31 (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. 96015 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Water disinfection byproducts (Dibromoacetonitrile)  
 CAS Number: 3252-43-5

Date Report Requested: 10/22/2007  
 Time Report Requested: 08:24:14  
 First Dose M/F: 09/05/01 / 09/05/01  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)**  
**TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/L	50 MG/L	100 MG/L	200 MG/L

Liver: Bile Duct  
 Hyperplasia

**LESION RATES**

OVERALL (a)	29/50 (58%)	29/50 (58%)	32/50 (64%)	29/50 (58%)
POLY-3 RATE (b)	29/44.66	29/47.01	32/48.31	29/45.99
POLY-3 PERCENT (g)	64.9%	61.7%	66.2%	63.1%
TERMINAL (d)	24/29 (83%)	23/35 (66%)	17/29 (59%)	21/31 (68%)
FIRST INCIDENCE	551	561	520	629

**STATISTICAL TESTS**

LIFE TABLE	P=0.526N	P=0.204N	P=0.414	P=0.411N
POLY 3	P=0.518N	P=0.457N	P=0.536	P=0.513N
POLY 1.5	P=0.536	P=0.507N	P=0.452	P=0.548N
POLY 6	P=0.468N	P=0.393N	P=0.543N	P=0.453N
LOGISTIC REGRESSION	P=0.498N	P=0.372N	P=0.449	P=0.432N
COCH-ARM / FISHERS	P=0.510	P=0.580N	P=0.341	P=0.580N
ORDER RESTRICTED	P=0.656N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.657N	(e)	(e)	(e)

TDMS No. 96015 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Water disinfection byproducts (Dibromoacetonitrile)  
 CAS Number: 3252-43-5

Date Report Requested: 10/22/2007  
 Time Report Requested: 08:24:14  
 First Dose M/F: 09/05/01 / 09/05/01  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)**  
**TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/L	50 MG/L	100 MG/L	200 MG/L

Liver: Hepatocyte  
 Basophilic Focus

**LESION RATES**

OVERALL (a)	39/50 (78%)	47/50 (94%)	41/50 (82%)	41/50 (82%)
POLY-3 RATE (b)	39/45.90	47/48.82	41/47.61	41/47.40
POLY-3 PERCENT (g)	85%	96.3%	86.1%	86.5%
TERMINAL (d)	27/29 (93%)	35/35 (100%)	29/29 (100%)	29/31 (94%)
FIRST INCIDENCE	535	561	596	477

**STATISTICAL TESTS**

LIFE TABLE	P=0.446N	P=0.506	P=0.496	P=0.510N
POLY 3	P=0.390N	P=0.034*	P=0.560	P=0.537
POLY 1.5	P=0.444N	P=0.026*	P=0.492	P=0.469
POLY 6	P=0.317N	P=0.053	P=0.639	P=0.634
LOGISTIC REGRESSION	P=0.355N	P=0.082	P=0.539N	P=0.573
COCH-ARM / FISHERS	P=0.500N	P=0.020*	P=0.402	P=0.402
ORDER RESTRICTED	P=0.337	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.349	(e)	(e)	(e)

TDMS No. 96015 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Water disinfection byproducts (Dibromoacetonitrile)  
 CAS Number: 3252-43-5

Date Report Requested: 10/22/2007  
 Time Report Requested: 08:24:14  
 First Dose M/F: 09/05/01 / 09/05/01  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)**  
**TERMINAL SACRIFICE AT 105 WEEKS**

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DOSE	Females			
	0 MG/L	50 MG/L	100 MG/L	200 MG/L

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Liver: Hepatocyte  
 Clear Cell Focus

**LESION RATES**

OVERALL (a)	11/50 (22%)	15/50 (30%)	14/50 (28%)	14/50 (28%)
POLY-3 RATE (b)	11/43.13	15/46.68	14/45.31	14/44.89
POLY-3 PERCENT (g)	25.5%	32.1%	30.9%	31.2%
TERMINAL (d)	10/29 (35%)	12/35 (34%)	12/29 (41%)	13/31 (42%)
FIRST INCIDENCE	670	576	672	648

**STATISTICAL TESTS**

LIFE TABLE	P=0.355	P=0.433	P=0.322	P=0.388
POLY 3	P=0.378	P=0.322	P=0.371	P=0.361
POLY 1.5	P=0.366	P=0.291	P=0.352	P=0.343
POLY 6	P=0.393	P=0.363	P=0.390	P=0.386
LOGISTIC REGRESSION	P=0.407	P=0.337	P=0.388	P=0.409
COCH-ARM / FISHERS	P=0.353	P=0.247	P=0.322	P=0.322
ORDER RESTRICTED	P=0.436	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.446	(e)	(e)	(e)

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TDMS No. 96015 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Water disinfection byproducts (Dibromoacetonitrile)  
 CAS Number: 3252-43-5

Date Report Requested: 10/22/2007  
 Time Report Requested: 08:24:14  
 First Dose M/F: 09/05/01 / 09/05/01  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)**  
**TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/L	50 MG/L	100 MG/L	200 MG/L

Liver: Hepatocyte  
 Cytologic Alterations Focal

**LESION RATES**

OVERALL (a)	6/50 (12%)	10/50 (20%)	16/50 (32%)	16/50 (32%)
POLY-3 RATE (b)	6/42.91	10/46.00	16/45.09	16/44.93
POLY-3 PERCENT (g)	14%	21.7%	35.5%	35.6%
TERMINAL (d)	6/29 (21%)	8/35 (23%)	15/29 (52%)	13/31 (42%)
FIRST INCIDENCE	729 (T)	664	714	672

**STATISTICAL TESTS**

LIFE TABLE	P=0.007**	P=0.333	P=0.009**	P=0.020*
POLY 3	P=0.009**	P=0.250	P=0.016*	P=0.016*
POLY 1.5	P=0.009**	P=0.232	P=0.015*	P=0.014*
POLY 6	P=0.010**	P=0.274	P=0.016*	P=0.018*
LOGISTIC REGRESSION	P=0.009**	P=0.289	P=0.010**	P=0.020*
COCH-ARM / FISHERS	P=0.009**	P=0.207	P=0.014*	P=0.014*
ORDER RESTRICTED	P=0.014*	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.014*	(e)	(e)	(e)

TDMS No. 96015 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Water disinfection byproducts (Dibromoacetonitrile)  
 CAS Number: 3252-43-5

Date Report Requested: 10/22/2007  
 Time Report Requested: 08:24:14  
 First Dose M/F: 09/05/01 / 09/05/01  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)**  
**TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/L	50 MG/L	100 MG/L	200 MG/L

Liver: Hepatocyte  
 Cytoplasmic Alteration Focal

**LESION RATES**

OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/42.91	0/45.69	0/45.03	0/44.59
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/29 (0%)	0/35 (0%)	0/29 (0%)	0/31 (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. 96015 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Water disinfection byproducts (Dibromoacetonitrile)  
 CAS Number: 3252-43-5

Date Report Requested: 10/22/2007  
 Time Report Requested: 08:24:14  
 First Dose M/F: 09/05/01 / 09/05/01  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)**  
**TERMINAL SACRIFICE AT 105 WEEKS**

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DOSE	Females			
	0 MG/L	50 MG/L	100 MG/L	200 MG/L

---

Liver: Hepatocyte  
 Eosinophilic Focus

**LESION RATES**

OVERALL (a)	2/50 (4%)	3/50 (6%)	6/50 (12%)	1/50 (2%)
POLY-3 RATE (b)	2/43.13	3/46.14	6/45.14	1/44.65
POLY-3 PERCENT (g)	4.6%	6.5%	13.3%	2.2%
TERMINAL (d)	1/29 (3%)	2/35 (6%)	5/29 (17%)	0/31 (0%)
FIRST INCIDENCE	671	600	701	714

**STATISTICAL TESTS**

LIFE TABLE	P=0.410N	P=0.568	P=0.144	P=0.470N
POLY 3	P=0.406N	P=0.531	P=0.147	P=0.488N
POLY 1.5	P=0.413N	P=0.518	P=0.142	P=0.493N
POLY 6	P=0.397N	P=0.545	P=0.151	P=0.481N
LOGISTIC REGRESSION	P=0.407N	P=0.492	P=0.156	P=0.489N
COCH-ARM / FISHERS	P=0.420N	P=0.500	P=0.134	P=0.500N
ORDER RESTRICTED	P=0.210N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.222N	(e)	(e)	(e)

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TDMS No. 96015 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Water disinfection byproducts (Dibromoacetonitrile)  
 CAS Number: 3252-43-5

Date Report Requested: 10/22/2007  
 Time Report Requested: 08:24:14  
 First Dose M/F: 09/05/01 / 09/05/01  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)**  
**TERMINAL SACRIFICE AT 105 WEEKS**

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DOSE	Females			
	0 MG/L	50 MG/L	100 MG/L	200 MG/L

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Liver: Hepatocyte  
 Mixed Cell Focus

**LESION RATES**

OVERALL (a)	14/50 (28%)	25/50 (50%)	15/50 (30%)	25/50 (50%)
POLY-3 RATE (b)	14/43.19	25/46.90	15/45.40	25/45.48
POLY-3 PERCENT (g)	32.4%	53.3%	33%	55%
TERMINAL (d)	12/29 (41%)	20/35 (57%)	12/29 (41%)	19/31 (61%)
FIRST INCIDENCE	670	576	672	657

**STATISTICAL TESTS**

LIFE TABLE	P=0.064	P=0.085	P=0.514	P=0.037*
POLY 3	P=0.069	P=0.032*	P=0.565	P=0.023*
POLY 1.5	P=0.063	P=0.026*	P=0.540	P=0.020*
POLY 6	P=0.079	P=0.044*	P=0.592	P=0.028*
LOGISTIC REGRESSION	P=0.078	P=0.041*	P=0.592N	P=0.031*
COCH-ARM / FISHERS	P=0.062	P=0.020*	P=0.500	P=0.020*
ORDER RESTRICTED	P=0.020*	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.024*	(e)	(e)	(e)

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TDMS No. 96015 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Water disinfection byproducts (Dibromoacetonitrile)  
 CAS Number: 3252-43-5

Date Report Requested: 10/22/2007  
 Time Report Requested: 08:24:14  
 First Dose M/F: 09/05/01 / 09/05/01  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)**  
**TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/L	50 MG/L	100 MG/L	200 MG/L

Liver: Hepatocyte  
 Necrosis

**LESION RATES**

OVERALL (a)	2/50 (4%)	1/50 (2%)	6/50 (12%)	3/50 (6%)
POLY-3 RATE (b)	2/43.62	1/45.69	6/45.65	3/44.87
POLY-3 PERCENT (g)	4.6%	2.2%	13.1%	6.7%
TERMINAL (d)	0/29 (0%)	1/35 (3%)	2/29 (7%)	1/31 (3%)
FIRST INCIDENCE	583	729 (T)	594	671

**STATISTICAL TESTS**

LIFE TABLE	P=0.290	P=0.463N	P=0.158	P=0.535
POLY 3	P=0.278	P=0.484N	P=0.147	P=0.513
POLY 1.5	P=0.274	P=0.490N	P=0.142	P=0.507
POLY 6	P=0.284	P=0.478N	P=0.152	P=0.521
LOGISTIC REGRESSION	P=0.270	P=0.570N	P=0.116	P=0.487
COCH-ARM / FISHERS	P=0.273	P=0.500N	P=0.134	P=0.500
ORDER RESTRICTED	P=0.168	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.177	(e)	(e)	(e)

TDMS No. 96015 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Water disinfection byproducts (Dibromoacetonitrile)  
 CAS Number: 3252-43-5

Date Report Requested: 10/22/2007  
 Time Report Requested: 08:24:14  
 First Dose M/F: 09/05/01 / 09/05/01  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)**  
**TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/L	50 MG/L	100 MG/L	200 MG/L

Liver: Hepatocyte  
 Vacuolization Cytoplasmic

**LESION RATES**

OVERALL (a)	22/50 (44%)	27/50 (54%)	29/50 (58%)	23/50 (46%)
POLY-3 RATE (b)	22/46.05	27/47.45	29/47.35	23/47.21
POLY-3 PERCENT (g)	47.8%	56.9%	61.2%	48.7%
TERMINAL (d)	14/29 (48%)	22/35 (63%)	21/29 (72%)	14/31 (45%)
FIRST INCIDENCE	535	576	520	551

**STATISTICAL TESTS**

LIFE TABLE	P=0.518N	P=0.501	P=0.161	P=0.532N
POLY 3	P=0.505N	P=0.246	P=0.130	P=0.546
POLY 1.5	P=0.528N	P=0.233	P=0.126	P=0.523
POLY 6	P=0.463N	P=0.260	P=0.129	P=0.585N
LOGISTIC REGRESSION	P=0.536N	P=0.239	P=0.127	P=0.502
COCH-ARM / FISHERS	P=0.529	P=0.212	P=0.115	P=0.500
ORDER RESTRICTED	P=0.350	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.361	(e)	(e)	(e)

TDMS No. 96015 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Water disinfection byproducts (Dibromoacetonitrile)  
 CAS Number: 3252-43-5

Date Report Requested: 10/22/2007  
 Time Report Requested: 08:24:14  
 First Dose M/F: 09/05/01 / 09/05/01  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)**  
**TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/L	50 MG/L	100 MG/L	200 MG/L

**Lung  
 Congestion**

**LESION RATES**

OVERALL (a)	3/50 (6%)	1/50 (2%)	1/50 (2%)	2/50 (4%)
POLY-3 RATE (b)	3/43.13	1/45.89	1/45.15	2/44.59
POLY-3 PERCENT (g)	7%	2.2%	2.2%	4.5%
TERMINAL (d)	2/29 (7%)	0/35 (0%)	0/29 (0%)	2/31 (7%)
FIRST INCIDENCE	671	679	699	729 (T)

**STATISTICAL TESTS**

LIFE TABLE	P=0.461N	P=0.258N	P=0.289N	P=0.467N
POLY 3	P=0.476N	P=0.283N	P=0.289N	P=0.485N
POLY 1.5	P=0.476N	P=0.292N	P=0.295N	P=0.492N
POLY 6	P=0.477N	P=0.273N	P=0.283N	P=0.476N
LOGISTIC REGRESSION	P=0.464N	P=0.292N	P=0.288N	P=0.468N
COCH-ARM / FISHERS	P=0.474N	P=0.309N	P=0.309N	P=0.500N
ORDER RESTRICTED	P=0.269N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.281N	(e)	(e)	(e)

TDMS No. 96015 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Water disinfection byproducts (Dibromoacetonitrile)  
 CAS Number: 3252-43-5

Date Report Requested: 10/22/2007  
 Time Report Requested: 08:24:14  
 First Dose M/F: 09/05/01 / 09/05/01  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)**  
**TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/L	50 MG/L	100 MG/L	200 MG/L

**Lung Hemorrhage**

**LESION RATES**

OVERALL (a)	1/50 (2%)	0/50 (0%)	1/50 (2%)	2/50 (4%)
POLY-3 RATE (b)	1/43.48	0/45.69	1/45.03	2/44.59
POLY-3 PERCENT (g)	2.3%	0%	2.2%	4.5%
TERMINAL (d)	0/29 (0%)	0/35 (0%)	1/29 (3%)	2/31 (7%)
FIRST INCIDENCE	551	---	729 (T)	729 (T)

**STATISTICAL TESTS**

LIFE TABLE	P=0.247	P=0.488N	P=0.756N	P=0.518
POLY 3	P=0.247	P=0.490N	P=0.753N	P=0.509
POLY 1.5	P=0.247	P=0.494N	P=0.756N	P=0.505
POLY 6	P=0.247	P=0.486N	P=0.751N	P=0.515
LOGISTIC REGRESSION	P=0.246	P=0.727N	P=0.712	P=0.488
COCH-ARM / FISHERS	P=0.247	P=0.500N	P=0.753N	P=0.500
ORDER RESTRICTED	P=0.230	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.239	(e)	(e)	(e)

TDMS No. 96015 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Water disinfection byproducts (Dibromoacetonitrile)  
 CAS Number: 3252-43-5

Date Report Requested: 10/22/2007  
 Time Report Requested: 08:24:14  
 First Dose M/F: 09/05/01 / 09/05/01  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)**  
**TERMINAL SACRIFICE AT 105 WEEKS**

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DOSE	Females			
	0 MG/L	50 MG/L	100 MG/L	200 MG/L

---

Lung  
 Infiltration Cellular Mixed Cell

**LESION RATES**

OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/42.91	0/45.69	0/45.03	0/44.59
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/29 (0%)	0/35 (0%)	0/29 (0%)	0/31 (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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TDMS No. 96015 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Water disinfection byproducts (Dibromoacetonitrile)  
 CAS Number: 3252-43-5

Date Report Requested: 10/22/2007  
 Time Report Requested: 08:24:14  
 First Dose M/F: 09/05/01 / 09/05/01  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)**  
**TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/L	50 MG/L	100 MG/L	200 MG/L

**Lung  
 Inflammation**

**LESION RATES**

OVERALL (a)	3/50 (6%)	1/50 (2%)	3/50 (6%)	7/50 (14%)
POLY-3 RATE (b)	3/43.13	1/45.75	3/45.09	7/45.31
POLY-3 PERCENT (g)	7%	2.2%	6.7%	15.5%
TERMINAL (d)	2/29 (7%)	0/35 (0%)	2/29 (7%)	4/31 (13%)
FIRST INCIDENCE	670	714	714	629

**STATISTICAL TESTS**

LIFE TABLE	P=0.042*	P=0.257N	P=0.657N	P=0.198
POLY 3	P=0.038*	P=0.284N	P=0.642N	P=0.177
POLY 1.5	P=0.037*	P=0.293N	P=0.649N	P=0.168
POLY 6	P=0.039*	P=0.275N	P=0.636N	P=0.190
LOGISTIC REGRESSION	P=0.039*	P=0.279N	P=0.632N	P=0.170
COCH-ARM / FISHERS	P=0.038*	P=0.309N	P=0.661N	P=0.159
ORDER RESTRICTED	P=0.039*	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.047*	(e)	(e)	(e)

TDMS No. 96015 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Water disinfection byproducts (Dibromoacetonitrile)  
 CAS Number: 3252-43-5

Date Report Requested: 10/22/2007  
 Time Report Requested: 08:24:14  
 First Dose M/F: 09/05/01 / 09/05/01  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)**  
**TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/L	50 MG/L	100 MG/L	200 MG/L

**Lung: Alveolar Epithelium  
 Hyperplasia**

**LESION RATES**

OVERALL (a)	10/50 (20%)	5/50 (10%)	2/50 (4%)	5/50 (10%)
POLY-3 RATE (b)	10/44.01	5/45.94	2/45.03	5/45.00
POLY-3 PERCENT (g)	22.7%	10.9%	4.4%	11.1%
TERMINAL (d)	5/29 (17%)	4/35 (11%)	2/29 (7%)	3/31 (10%)
FIRST INCIDENCE	608	664	729 (T)	648

**STATISTICAL TESTS**

LIFE TABLE	P=0.095N	P=0.082N	P=0.017N*	P=0.112N
POLY 3	P=0.093N	P=0.109N	P=0.011N*	P=0.117N
POLY 1.5	P=0.094N	P=0.117N	P=0.012N*	P=0.123N
POLY 6	P=0.092N	P=0.102N	P=0.011N*	P=0.111N
LOGISTIC REGRESSION	P=0.090N	P=0.110N	P=0.013N*	P=0.120N
COCH-ARM / FISHERS	P=0.097N	P=0.131N	P=0.014N*	P=0.131N
ORDER RESTRICTED	P=0.021N*	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.024N*	(e)	(e)	(e)

TDMS No. 96015 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Water disinfection byproducts (Dibromoacetonitrile)  
 CAS Number: 3252-43-5

Date Report Requested: 10/22/2007  
 Time Report Requested: 08:24:14  
 First Dose M/F: 09/05/01 / 09/05/01  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)**  
**TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/L	50 MG/L	100 MG/L	200 MG/L

**Lymph Node, Mesenteric  
 Ectasia**

**LESION RATES**

OVERALL (a)	1/50 (2%)	0/50 (0%)	2/50 (4%)	1/50 (2%)
POLY-3 RATE (b)	1/43.13	0/45.69	2/45.46	1/44.81
POLY-3 PERCENT (g)	2.3%	0%	4.4%	2.2%
TERMINAL (d)	0/29 (0%)	0/35 (0%)	0/29 (0%)	0/31 (0%)
FIRST INCIDENCE	671	---	672	671

**STATISTICAL TESTS**

LIFE TABLE	P=0.523	P=0.485N	P=0.545	P=0.739N
POLY 3	P=0.504	P=0.488N	P=0.518	P=0.752N
POLY 1.5	P=0.502	P=0.493N	P=0.511	P=0.756N
POLY 6	P=0.509	P=0.484N	P=0.526	P=0.747N
LOGISTIC REGRESSION	P=0.495	P=0.527N	P=0.466	P=0.756
COCH-ARM / FISHERS	P=0.500	P=0.500N	P=0.500	P=0.753N
ORDER RESTRICTED	P=0.391	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.403	(e)	(e)	(e)

TDMS No. 96015 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Water disinfection byproducts (Dibromoacetonitrile)  
 CAS Number: 3252-43-5

Date Report Requested: 10/22/2007  
 Time Report Requested: 08:24:14  
 First Dose M/F: 09/05/01 / 09/05/01  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)**  
**TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/L	50 MG/L	100 MG/L	200 MG/L

**Lymph Node, Mesenteric Hemorrhage**

**LESION RATES**

OVERALL (a)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	0/42.91	0/45.69	1/45.03	0/44.59
POLY-3 PERCENT (g)	0%	0%	2.2%	0%
TERMINAL (d)	0/29 (0%)	0/35 (0%)	1/29 (3%)	0/31 (0%)
FIRST INCIDENCE	---	---	729 (T)	---

**STATISTICAL TESTS**

LIFE TABLE	P=0.695	(e)	P=0.500	(e)
POLY 3	P=0.701	(e)	P=0.510	(e)
POLY 1.5	P=0.697	(e)	P=0.506	(e)
POLY 6	P=0.707	(e)	P=0.513	(e)
LOGISTIC REGRESSION	(e)	(e)	P=0.500	(e)
COCH-ARM / FISHERS	P=0.694	(e)	P=0.500	(e)
ORDER RESTRICTED	P=0.390	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.402	(e)	(e)	(e)

TDMS No. 96015 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Water disinfection byproducts (Dibromoacetonitrile)  
 CAS Number: 3252-43-5

Date Report Requested: 10/22/2007  
 Time Report Requested: 08:24:14  
 First Dose M/F: 09/05/01 / 09/05/01  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)**  
**TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/L	50 MG/L	100 MG/L	200 MG/L

**Lymph Node, Mesenteric  
 Hyperplasia Lymphoid**

**LESION RATES**

OVERALL (a)	2/50 (4%)	1/50 (2%)	0/50 (0%)	2/50 (4%)
POLY-3 RATE (b)	2/43.74	1/45.69	0/45.03	2/44.95
POLY-3 PERCENT (g)	4.6%	2.2%	0%	4.5%
TERMINAL (d)	0/29 (0%)	1/35 (3%)	0/29 (0%)	0/31 (0%)
FIRST INCIDENCE	535	729 (T)	---	648

**STATISTICAL TESTS**

LIFE TABLE	P=0.600	P=0.470N	P=0.234N	P=0.670N
POLY 3	P=0.592	P=0.485N	P=0.231N	P=0.684N
POLY 1.5	P=0.591	P=0.491N	P=0.233N	P=0.689N
POLY 6	P=0.594	P=0.479N	P=0.229N	P=0.678N
LOGISTIC REGRESSION	P=0.584	P=0.607N	P=0.337N	P=0.676
COCH-ARM / FISHERS	P=0.591	P=0.500N	P=0.247N	P=0.691N
ORDER RESTRICTED	P=0.400N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.410N	(e)	(e)	(e)

TDMS No. 96015 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Water disinfection byproducts (Dibromoacetonitrile)  
 CAS Number: 3252-43-5

Date Report Requested: 10/22/2007  
 Time Report Requested: 08:24:14  
 First Dose M/F: 09/05/01 / 09/05/01  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)**  
**TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/L	50 MG/L	100 MG/L	200 MG/L

**Lymph Node: Mediastinal Ectasia**

**LESION RATES**

OVERALL (a)	1/21 (5%)	0/15 (0%)	4/23 (17%)	0/15 (0%)
POLY-3 RATE (b)	1/18.39	0/13.63	4/19.68	0/12.76
POLY-3 PERCENT (g)	5.4%	0%	20.3%	0%
TERMINAL (d)	0/12 (0%)	0/11 (0%)	1/10 (10%)	0/7 (0%)
FIRST INCIDENCE	671	---	672	---

**STATISTICAL TESTS**

LIFE TABLE	P=0.550N	P=0.474N	P=0.200	P=0.469N
POLY 3	P=0.629N	P=0.560N	P=0.188	P=0.573N
POLY 1.5	P=0.623N	P=0.563N	P=0.193	P=0.571N
POLY 6	P=0.624	P=0.555N	P=0.182	P=0.574N
LOGISTIC REGRESSION	P=0.612N	P=0.588N	P=0.192	P=0.561N
COCH-ARM / FISHERS	P=0.606N	P=0.583N	P=0.202	P=0.583N
ORDER RESTRICTED	P=0.264N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.287N	(e)	(e)	(e)

TDMS No. 96015 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Water disinfection byproducts (Dibromoacetonitrile)  
 CAS Number: 3252-43-5

Date Report Requested: 10/22/2007  
 Time Report Requested: 08:24:14  
 First Dose M/F: 09/05/01 / 09/05/01  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)**  
**TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/L	50 MG/L	100 MG/L	200 MG/L

**Lymph Node: Mediastinal Hemorrhage**

**LESION RATES**

OVERALL (a)	7/21 (33%)	6/15 (40%)	6/23 (26%)	3/15 (20%)
POLY-3 RATE (b)	7/18.91	6/13.82	6/19.50	3/13.04
POLY-3 PERCENT (g)	37%	43.4%	30.8%	23%
TERMINAL (d)	4/12 (33%)	5/11 (46%)	4/10 (40%)	1/7 (14%)
FIRST INCIDENCE	626	679	672	671

**STATISTICAL TESTS**

LIFE TABLE	P=0.254N	P=0.523N	P=0.561N	P=0.253N
POLY 3	P=0.209N	P=0.497	P=0.473N	P=0.327N
POLY 1.5	P=0.203N	P=0.488	P=0.449N	P=0.323N
POLY 6	P=0.216N	P=0.509	P=0.512N	P=0.329N
LOGISTIC REGRESSION	P=0.202N	P=0.533	P=0.469N	P=0.315N
COCH-ARM / FISHERS	P=0.186N	P=0.474	P=0.422N	P=0.311N
ORDER RESTRICTED	P=0.273N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.298N	(e)	(e)	(e)

TDMS No. 96015 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Water disinfection byproducts (Dibromoacetonitrile)  
 CAS Number: 3252-43-5

Date Report Requested: 10/22/2007  
 Time Report Requested: 08:24:14  
 First Dose M/F: 09/05/01 / 09/05/01  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)**  
**TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/L	50 MG/L	100 MG/L	200 MG/L

**Lymph Node: Mediastinal  
 Hyperplasia Lymphoid**

**LESION RATES**

OVERALL (a)	1/21 (5%)	2/15 (13%)	4/23 (17%)	2/15 (13%)
POLY-3 RATE (b)	1/18.39	2/14.17	4/20.13	2/12.98
POLY-3 PERCENT (g)	5.4%	14.1%	19.9%	15.4%
TERMINAL (d)	0/12 (0%)	1/11 (9%)	2/10 (20%)	1/7 (14%)
FIRST INCIDENCE	670	561	596	671

**STATISTICAL TESTS**

LIFE TABLE	P=0.302	P=0.508	P=0.177	P=0.465
POLY 3	P=0.271	P=0.407	P=0.196	P=0.377
POLY 1.5	P=0.274	P=0.396	P=0.198	P=0.376
POLY 6	P=0.270	P=0.422	P=0.193	P=0.379
LOGISTIC REGRESSION	P=0.315	P=0.319	P=0.214	P=0.378
COCH-ARM / FISHERS	P=0.284	P=0.373	P=0.202	P=0.373
ORDER RESTRICTED	P=0.266	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.289	(e)	(e)	(e)

TDMS No. 96015 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Water disinfection byproducts (Dibromoacetonitrile)  
 CAS Number: 3252-43-5

Date Report Requested: 10/22/2007  
 Time Report Requested: 08:24:14  
 First Dose M/F: 09/05/01 / 09/05/01  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)**  
**TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/L	50 MG/L	100 MG/L	200 MG/L

Lymph Node: Pancreatic  
 Ectasia

**LESION RATES**

OVERALL (a)	1/21 (5%)	0/15 (0%)	0/23 (0%)	0/15 (0%)
POLY-3 RATE (b)	1/18.17	0/13.63	0/19.23	0/12.76
POLY-3 PERCENT (g)	5.5%	0%	0%	0%
TERMINAL (d)	1/12 (8%)	0/11 (0%)	0/10 (0%)	0/7 (0%)
FIRST INCIDENCE	729 (T)	---	---	---

**STATISTICAL TESTS**

LIFE TABLE	P=0.365N	P=0.517N	P=0.536N	P=0.607N
POLY 3	P=0.332N	P=0.558N	P=0.489N	P=0.570N
POLY 1.5	P=0.329N	P=0.562N	P=0.486N	P=0.570N
POLY 6	P=0.338N	P=0.551N	P=0.494N	P=0.569N
LOGISTIC REGRESSION	P=0.365N	(e)	(e)	(e)
COCH-ARM / FISHERS	P=0.326N	P=0.583N	P=0.477N	P=0.583N
ORDER RESTRICTED	P=0.194N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.217N	(e)	(e)	(e)

TDMS No. 96015 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Water disinfection byproducts (Dibromoacetonitrile)  
 CAS Number: 3252-43-5

Date Report Requested: 10/22/2007  
 Time Report Requested: 08:24:14  
 First Dose M/F: 09/05/01 / 09/05/01  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)  
 TERMINAL SACRIFICE AT 105 WEEKS**

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DOSE	Females			
	0 MG/L	50 MG/L	100 MG/L	200 MG/L

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**Lymph Node: Pancreatic Hemorrhage**

**LESION RATES**

OVERALL (a)	3/21 (14%)	2/15 (13%)	2/23 (9%)	2/15 (13%)
POLY-3 RATE (b)	3/18.17	2/13.63	2/19.23	2/12.76
POLY-3 PERCENT (g)	16.5%	14.7%	10.4%	15.7%
TERMINAL (d)	3/12 (25%)	2/11 (18%)	2/10 (20%)	2/7 (29%)
FIRST INCIDENCE	729 (T)	729 (T)	729 (T)	729 (T)

**STATISTICAL TESTS**

LIFE TABLE	P=0.530	P=0.543N	P=0.590N	P=0.640
POLY 3	P=0.543N	P=0.635N	P=0.473N	P=0.664N
POLY 1.5	P=0.538N	P=0.644N	P=0.466N	P=0.663N
POLY 6	P=0.550N	P=0.620N	P=0.485N	P=0.664N
LOGISTIC REGRESSION	P=0.530	P=0.543N	P=0.590N	P=0.640
COCH-ARM / FISHERS	P=0.528N	P=0.708	P=0.455N	P=0.708
ORDER RESTRICTED	P=0.599N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.607N	(e)	(e)	(e)

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TDMS No. 96015 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Water disinfection byproducts (Dibromoacetonitrile)  
 CAS Number: 3252-43-5

Date Report Requested: 10/22/2007  
 Time Report Requested: 08:24:14  
 First Dose M/F: 09/05/01 / 09/05/01  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)**  
**TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/L	50 MG/L	100 MG/L	200 MG/L

**Mammary Gland  
 Dilatation**

**LESION RATES**

OVERALL (a)	38/49 (78%)	41/50 (82%)	33/50 (66%)	32/50 (64%)
POLY-3 RATE (b)	38/45.24	41/48.58	33/47.68	32/46.76
POLY-3 PERCENT (g)	84%	84.4%	69.2%	68.4%
TERMINAL (d)	26/29 (90%)	31/35 (89%)	22/29 (76%)	23/31 (74%)
FIRST INCIDENCE	594	561	566	551

**STATISTICAL TESTS**

LIFE TABLE	P=0.065N	P=0.309N	P=0.192N	P=0.082N
POLY 3	P=0.017N*	P=0.597	P=0.063N	P=0.054N
POLY 1.5	P=0.023N*	P=0.501	P=0.092N	P=0.074N
POLY 6	P=0.011N*	P=0.551N	P=0.039N*	P=0.034N*
LOGISTIC REGRESSION	P=0.021N*	P=0.597	P=0.068N	P=0.050N*
COCH-ARM / FISHERS	P=0.032N*	P=0.382	P=0.146N	P=0.104N
ORDER RESTRICTED	P=0.044N*	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.025N*	(e)	(e)	(e)

TDMS No. 96015 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Water disinfection byproducts (Dibromoacetonitrile)  
 CAS Number: 3252-43-5

Date Report Requested: 10/22/2007  
 Time Report Requested: 08:24:14  
 First Dose M/F: 09/05/01 / 09/05/01  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)**  
**TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/L	50 MG/L	100 MG/L	200 MG/L

**Mammary Gland  
 Fibrosis**

**LESION RATES**

OVERALL (a)	0/49 (0%)	1/50 (2%)	2/50 (4%)	1/50 (2%)
POLY-3 RATE (b)	0/42.74	1/45.75	2/45.03	1/44.70
POLY-3 PERCENT (g)	0%	2.2%	4.4%	2.2%
TERMINAL (d)	0/29 (0%)	0/35 (0%)	2/29 (7%)	0/31 (0%)
FIRST INCIDENCE	---	714	729 (T)	702

**STATISTICAL TESTS**

LIFE TABLE	P=0.374	P=0.534	P=0.238	P=0.523
POLY 3	P=0.379	P=0.514	P=0.249	P=0.509
POLY 1.5	P=0.374	P=0.509	P=0.246	P=0.506
POLY 6	P=0.387	P=0.519	P=0.252	P=0.514
LOGISTIC REGRESSION	P=0.378	P=0.517	P=0.238	P=0.506
COCH-ARM / FISHERS	P=0.371	P=0.505	P=0.253	P=0.505
ORDER RESTRICTED	P=0.235	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.246	(e)	(e)	(e)

TDMS No. 96015 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Water disinfection byproducts (Dibromoacetonitrile)  
 CAS Number: 3252-43-5

Date Report Requested: 10/22/2007  
 Time Report Requested: 08:24:14  
 First Dose M/F: 09/05/01 / 09/05/01  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)**  
**TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/L	50 MG/L	100 MG/L	200 MG/L

**Mammary Gland  
 Galactocele**

**LESION RATES**

OVERALL (a)	2/49 (4%)	0/50 (0%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	2/43.42	0/45.69	0/45.03	1/44.59
POLY-3 PERCENT (g)	4.6%	0%	0%	2.2%
TERMINAL (d)	0/29 (0%)	0/35 (0%)	0/29 (0%)	1/31 (3%)
FIRST INCIDENCE	562	---	---	729 (T)

**STATISTICAL TESTS**

LIFE TABLE	P=0.453N	P=0.221N	P=0.221N	P=0.477N
POLY 3	P=0.461N	P=0.226N	P=0.229N	P=0.491N
POLY 1.5	P=0.459N	P=0.229N	P=0.230N	P=0.493N
POLY 6	P=0.464N	P=0.222N	P=0.228N	P=0.487N
LOGISTIC REGRESSION	P=0.437N	P=0.314N	P=0.283N	P=0.490N
COCH-ARM / FISHERS	P=0.457N	P=0.242N	P=0.242N	P=0.492N
ORDER RESTRICTED	P=0.122N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.129N	(e)	(e)	(e)

TDMS No. 96015 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Water disinfection byproducts (Dibromoacetonitrile)  
 CAS Number: 3252-43-5

Date Report Requested: 10/22/2007  
 Time Report Requested: 08:24:14  
 First Dose M/F: 09/05/01 / 09/05/01  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/L	50 MG/L	100 MG/L	200 MG/L

Mesentery: Fat  
 Necrosis Focal

**LESION RATES**

OVERALL (a)	14/20 (70%)	8/11 (73%)	10/17 (59%)	11/15 (73%)
POLY-3 RATE (b)	14/18.52	8/10.55	10/15.66	11/14.41
POLY-3 PERCENT (g)	75.6%	75.9%	63.9%	76.4%
TERMINAL (d)	10/11 (91%)	7/8 (88%)	4/6 (67%)	7/8 (88%)
FIRST INCIDENCE	562	714	520	590

**STATISTICAL TESTS**

LIFE TABLE	P=0.487	P=0.163N	P=0.571N	P=0.544N
POLY 3	P=0.556N	P=0.673	P=0.349N	P=0.645
POLY 1.5	P=0.564N	P=0.649	P=0.344N	P=0.619
POLY 6	P=0.562N	P=0.691	P=0.379N	P=0.665
LOGISTIC REGRESSION	P=0.545N	P=0.560N	P=0.374N	P=0.643N
COCH-ARM / FISHERS	P=0.548	P=0.606	P=0.357N	P=0.567
ORDER RESTRICTED	P=0.542N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.562N	(e)	(e)	(e)

TDMS No. 96015 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Water disinfection byproducts (Dibromoacetonitrile)  
 CAS Number: 3252-43-5

Date Report Requested: 10/22/2007  
 Time Report Requested: 08:24:14  
 First Dose M/F: 09/05/01 / 09/05/01  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)**  
**TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/L	50 MG/L	100 MG/L	200 MG/L

**Nose  
 Inflammation**

**LESION RATES**

OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/42.91	0/45.69	0/45.03	0/44.59
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/29 (0%)	0/35 (0%)	0/29 (0%)	0/31 (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. 96015 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Water disinfection byproducts (Dibromoacetonitrile)  
 CAS Number: 3252-43-5

Date Report Requested: 10/22/2007  
 Time Report Requested: 08:24:14  
 First Dose M/F: 09/05/01 / 09/05/01  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)**  
**TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/L	50 MG/L	100 MG/L	200 MG/L

**Nose: Nasolacrimal Duct  
 Inflammation**

**LESION RATES**

OVERALL (a)	0/50 (0%)	1/50 (2%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	0/42.91	1/46.20	0/45.03	1/45.16
POLY-3 PERCENT (g)	0%	2.2%	0%	2.2%
TERMINAL (d)	0/29 (0%)	0/35 (0%)	0/29 (0%)	0/31 (0%)
FIRST INCIDENCE	---	576	---	551

**STATISTICAL TESTS**

LIFE TABLE	P=0.409	P=0.521	(e)	P=0.504
POLY 3	P=0.420	P=0.515	(e)	P=0.510
POLY 1.5	P=0.414	P=0.509	(e)	P=0.506
POLY 6	P=0.429	P=0.522	(e)	P=0.516
LOGISTIC REGRESSION	P=0.446	P=0.323	(e)	P=0.496
COCH-ARM / FISHERS	P=0.405	P=0.500	(e)	P=0.500
ORDER RESTRICTED	P=0.260	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.276	(e)	(e)	(e)

TDMS No. 96015 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Water disinfection byproducts (Dibromoacetonitrile)  
 CAS Number: 3252-43-5

Date Report Requested: 10/22/2007  
 Time Report Requested: 08:24:14  
 First Dose M/F: 09/05/01 / 09/05/01  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)**  
**TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/L	50 MG/L	100 MG/L	200 MG/L

**Oral Mucosa  
 Hyperplasia**

**LESION RATES**

OVERALL (a)	0/50 (0%)	1/50 (2%)	0/50 (0%)	2/50 (4%)
POLY-3 RATE (b)	0/42.91	1/45.89	0/45.03	2/44.59
POLY-3 PERCENT (g)	0%	2.2%	0%	4.5%
TERMINAL (d)	0/29 (0%)	0/35 (0%)	0/29 (0%)	2/31 (7%)
FIRST INCIDENCE	---	679	---	729 (T)

**STATISTICAL TESTS**

LIFE TABLE	P=0.141	P=0.527	(e)	P=0.253
POLY 3	P=0.145	P=0.513	(e)	P=0.246
POLY 1.5	P=0.143	P=0.508	(e)	P=0.242
POLY 6	P=0.148	P=0.520	(e)	P=0.251
LOGISTIC REGRESSION	P=0.142	P=0.482	(e)	P=0.253
COCH-ARM / FISHERS	P=0.140	P=0.500	(e)	P=0.247
ORDER RESTRICTED	P=0.079	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.088	(e)	(e)	(e)

TDMS No. 96015 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Water disinfection byproducts (Dibromoacetonitrile)  
 CAS Number: 3252-43-5

Date Report Requested: 10/22/2007  
 Time Report Requested: 08:24:14  
 First Dose M/F: 09/05/01 / 09/05/01  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)**  
**TERMINAL SACRIFICE AT 105 WEEKS**

---

DOSE	Females			
	0 MG/L	50 MG/L	100 MG/L	200 MG/L

---

Ovary  
Cyst

**LESION RATES**

OVERALL (a)	3/50 (6%)	4/50 (8%)	3/50 (6%)	6/50 (12%)
POLY-3 RATE (b)	3/43.28	4/46.07	3/45.25	6/45.28
POLY-3 PERCENT (g)	6.9%	8.7%	6.6%	13.3%
TERMINAL (d)	2/29 (7%)	3/35 (9%)	2/29 (7%)	2/31 (7%)
FIRST INCIDENCE	626	623	672	596

**STATISTICAL TESTS**

LIFE TABLE	P=0.204	P=0.585	P=0.642N	P=0.291
POLY 3	P=0.201	P=0.534	P=0.642N	P=0.264
POLY 1.5	P=0.196	P=0.521	P=0.649N	P=0.254
POLY 6	P=0.209	P=0.550	P=0.635N	P=0.278
LOGISTIC REGRESSION	P=0.191	P=0.511	P=0.649N	P=0.248
COCH-ARM / FISHERS	P=0.189	P=0.500	P=0.661N	P=0.243
ORDER RESTRICTED	P=0.238	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.252	(e)	(e)	(e)

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TDMS No. 96015 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Water disinfection byproducts (Dibromoacetonitrile)  
 CAS Number: 3252-43-5

Date Report Requested: 10/22/2007  
 Time Report Requested: 08:24:14  
 First Dose M/F: 09/05/01 / 09/05/01  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)**  
**TERMINAL SACRIFICE AT 105 WEEKS**

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DOSE	Females			
	0 MG/L	50 MG/L	100 MG/L	200 MG/L

---

**Pancreas  
 Inflammation**

**LESION RATES**

OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/42.91	0/45.69	0/45.03	0/44.59
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/29 (0%)	0/35 (0%)	0/29 (0%)	0/31 (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. 96015 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Water disinfection byproducts (Dibromoacetonitrile)  
 CAS Number: 3252-43-5

Date Report Requested: 10/22/2007  
 Time Report Requested: 08:24:14  
 First Dose M/F: 09/05/01 / 09/05/01  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)**  
**TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/L	50 MG/L	100 MG/L	200 MG/L

Pancreas: Acinus  
 Atrophy Focal

**LESION RATES**

OVERALL (a)	12/50 (24%)	20/50 (40%)	19/50 (38%)	17/50 (34%)
POLY-3 RATE (b)	12/44.05	20/47.70	19/47.24	17/46.09
POLY-3 PERCENT (g)	27.2%	41.9%	40.2%	36.9%
TERMINAL (d)	10/29 (35%)	14/35 (40%)	10/29 (35%)	9/31 (29%)
FIRST INCIDENCE	550	576	520	629

**STATISTICAL TESTS**

LIFE TABLE	P=0.312	P=0.183	P=0.131	P=0.272
POLY 3	P=0.312	P=0.102	P=0.136	P=0.224
POLY 1.5	P=0.291	P=0.085	P=0.118	P=0.205
POLY 6	P=0.353	P=0.128	P=0.161	P=0.259
LOGISTIC REGRESSION	P=0.278	P=0.075	P=0.104	P=0.211
COCH-ARM / FISHERS	P=0.272	P=0.066	P=0.097	P=0.189
ORDER RESTRICTED	P=0.172	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.185	(e)	(e)	(e)

TDMS No. 96015 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Water disinfection byproducts (Dibromoacetonitrile)  
 CAS Number: 3252-43-5

Date Report Requested: 10/22/2007  
 Time Report Requested: 08:24:14  
 First Dose M/F: 09/05/01 / 09/05/01  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)**  
**TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/L	50 MG/L	100 MG/L	200 MG/L

**Pancreas: Duct  
 Cyst**

**LESION RATES**

OVERALL (a)	8/50 (16%)	13/50 (26%)	7/50 (14%)	4/50 (8%)
POLY-3 RATE (b)	8/43.64	13/46.87	7/45.60	4/44.65
POLY-3 PERCENT (g)	18.3%	27.7%	15.4%	9%
TERMINAL (d)	6/29 (21%)	10/35 (29%)	4/29 (14%)	3/31 (10%)
FIRST INCIDENCE	535	561	652	714

**STATISTICAL TESTS**

LIFE TABLE	P=0.058N	P=0.292	P=0.478N	P=0.151N
POLY 3	P=0.051N	P=0.208	P=0.463N	P=0.164N
POLY 1.5	P=0.054N	P=0.189	P=0.477N	P=0.171N
POLY 6	P=0.047N*	P=0.234	P=0.447N	P=0.155N
LOGISTIC REGRESSION	P=0.053N	P=0.182	P=0.468N	P=0.156N
COCH-ARM / FISHERS	P=0.059N	P=0.163	P=0.500N	P=0.178N
ORDER RESTRICTED	P=0.058N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.064N	(e)	(e)	(e)

TDMS No. 96015 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Water disinfection byproducts (Dibromoacetonitrile)  
 CAS Number: 3252-43-5

Date Report Requested: 10/22/2007  
 Time Report Requested: 08:24:14  
 First Dose M/F: 09/05/01 / 09/05/01  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)**  
**TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/L	50 MG/L	100 MG/L	200 MG/L

**Parathyroid Gland  
 Hyperplasia**

**LESION RATES**

OVERALL (a)	1/42 (2%)	0/42 (0%)	0/43 (0%)	0/43 (0%)
POLY-3 RATE (b)	1/36.44	0/38.24	0/38.32	0/37.81
POLY-3 PERCENT (g)	2.7%	0%	0%	0%
TERMINAL (d)	0/26 (0%)	0/28 (0%)	0/25 (0%)	0/25 (0%)
FIRST INCIDENCE	714	---	---	---

**STATISTICAL TESTS**

LIFE TABLE	P=0.303N	P=0.466N	P=0.506N	P=0.482N
POLY 3	P=0.307N	P=0.490N	P=0.490N	P=0.493N
POLY 1.5	P=0.306N	P=0.494N	P=0.491N	P=0.494N
POLY 6	P=0.309N	P=0.488N	P=0.491N	P=0.492N
LOGISTIC REGRESSION	P=0.301N	P=0.489N	P=0.490N	P=0.492N
COCH-ARM / FISHERS	P=0.302N	P=0.500N	P=0.494N	P=0.494N
ORDER RESTRICTED	P=0.112N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.121N	(e)	(e)	(e)

TDMS No. 96015 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Water disinfection byproducts (Dibromoacetonitrile)  
 CAS Number: 3252-43-5

Date Report Requested: 10/22/2007  
 Time Report Requested: 08:24:14  
 First Dose M/F: 09/05/01 / 09/05/01  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)**  
**TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/L	50 MG/L	100 MG/L	200 MG/L

Peritoneum: Mesothelium, Tunica Vaginalis  
 Hyperplasia

**LESION RATES**

OVERALL (a)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/1 (0%)
POLY-3 RATE (b)	0/0.00	0/0.00	0/0.00	0/0.78
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (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. 96015 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Water disinfection byproducts (Dibromoacetonitrile)  
 CAS Number: 3252-43-5

Date Report Requested: 10/22/2007  
 Time Report Requested: 08:24:14  
 First Dose M/F: 09/05/01 / 09/05/01  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)**  
**TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/L	50 MG/L	100 MG/L	200 MG/L

**Pituitary Gland  
 Angiectasis**

**LESION RATES**

OVERALL (a)	6/49 (12%)	3/48 (6%)	5/50 (10%)	7/50 (14%)
POLY-3 RATE (b)	6/42.89	3/44.22	5/45.14	7/45.17
POLY-3 PERCENT (g)	14%	6.8%	11.1%	15.5%
TERMINAL (d)	4/29 (14%)	3/35 (9%)	4/29 (14%)	3/31 (10%)
FIRST INCIDENCE	594	729 (T)	701	671

**STATISTICAL TESTS**

LIFE TABLE	P=0.320	P=0.166N	P=0.486N	P=0.555
POLY 3	P=0.330	P=0.226N	P=0.464N	P=0.540
POLY 1.5	P=0.327	P=0.236N	P=0.471N	P=0.528
POLY 6	P=0.336	P=0.214N	P=0.459N	P=0.558
LOGISTIC REGRESSION	P=0.336	P=0.213N	P=0.451N	P=0.537
COCH-ARM / FISHERS	P=0.326	P=0.254N	P=0.486N	P=0.516
ORDER RESTRICTED	P=0.363	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.377	(e)	(e)	(e)

TDMS No. 96015 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Water disinfection byproducts (Dibromoacetonitrile)  
 CAS Number: 3252-43-5

Date Report Requested: 10/22/2007  
 Time Report Requested: 08:24:14  
 First Dose M/F: 09/05/01 / 09/05/01  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)**  
**TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/L	50 MG/L	100 MG/L	200 MG/L

**Pituitary Gland  
 Cyst**

**LESION RATES**

OVERALL (a)	5/49 (10%)	3/48 (6%)	2/50 (4%)	4/50 (8%)
POLY-3 RATE (b)	5/42.62	3/44.28	2/45.56	4/44.59
POLY-3 PERCENT (g)	11.7%	6.8%	4.4%	9%
TERMINAL (d)	4/29 (14%)	2/35 (6%)	1/29 (3%)	4/31 (13%)
FIRST INCIDENCE	671	714	566	729 (T)

**STATISTICAL TESTS**

LIFE TABLE	P=0.456N	P=0.269N	P=0.209N	P=0.456N
POLY 3	P=0.445N	P=0.335N	P=0.189N	P=0.472N
POLY 1.5	P=0.445N	P=0.348N	P=0.196N	P=0.479N
POLY 6	P=0.445N	P=0.319N	P=0.183N	P=0.463N
LOGISTIC REGRESSION	P=0.436N	P=0.306N	P=0.203N	P=0.447N
COCH-ARM / FISHERS	P=0.446N	P=0.369N	P=0.210N	P=0.487N
ORDER RESTRICTED	P=0.306N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.319N	(e)	(e)	(e)

TDMS No. 96015 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Water disinfection byproducts (Dibromoacetonitrile)  
 CAS Number: 3252-43-5

Date Report Requested: 10/22/2007  
 Time Report Requested: 08:24:14  
 First Dose M/F: 09/05/01 / 09/05/01  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)**  
**TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/L	50 MG/L	100 MG/L	200 MG/L

**Pituitary Gland Hemorrhage**

**LESION RATES**

OVERALL (a)	6/49 (12%)	4/48 (8%)	0/50 (0%)	2/50 (4%)
POLY-3 RATE (b)	6/43.93	4/44.46	0/45.03	2/44.59
POLY-3 PERCENT (g)	13.7%	9%	0%	4.5%
TERMINAL (d)	3/29 (10%)	3/35 (9%)	0/29 (0%)	2/31 (7%)
FIRST INCIDENCE	551	666	---	729 (T)

**STATISTICAL TESTS**

LIFE TABLE	P=0.053N	P=0.288N	P=0.018N*	P=0.121N
POLY 3	P=0.049N*	P=0.361N	P=0.014N*	P=0.127N
POLY 1.5	P=0.049N*	P=0.370N	P=0.014N*	P=0.127N
POLY 6	P=0.050N*	P=0.352N	P=0.014N*	P=0.127N
LOGISTIC REGRESSION	P=0.052N	P=0.452N	P=0.024N*	P=0.135N
COCH-ARM / FISHERS	P=0.050N*	P=0.383N	P=0.012N*	P=0.128N
ORDER RESTRICTED	P=0.021N*	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.023N*	(e)	(e)	(e)

TDMS No. 96015 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Water disinfection byproducts (Dibromoacetonitrile)  
 CAS Number: 3252-43-5

Date Report Requested: 10/22/2007  
 Time Report Requested: 08:24:14  
 First Dose M/F: 09/05/01 / 09/05/01  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)**  
**TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/L	50 MG/L	100 MG/L	200 MG/L

**Pituitary Gland: Pars Distalis  
 Cyst**

**LESION RATES**

OVERALL (a)	4/49 (8%)	6/48 (13%)	5/50 (10%)	12/50 (24%)
POLY-3 RATE (b)	4/42.67	6/45.05	5/45.12	12/45.33
POLY-3 PERCENT (g)	9.4%	13.3%	11.1%	26.5%
TERMINAL (d)	3/29 (10%)	3/35 (9%)	4/29 (14%)	10/31 (32%)
FIRST INCIDENCE	656	596	707	590

**STATISTICAL TESTS**

LIFE TABLE	P=0.015*	P=0.472	P=0.509	P=0.039*
POLY 3	P=0.016*	P=0.404	P=0.535	P=0.033*
POLY 1.5	P=0.016*	P=0.384	P=0.527	P=0.031*
POLY 6	P=0.016*	P=0.429	P=0.541	P=0.036*
LOGISTIC REGRESSION	P=0.017*	P=0.360	P=0.546	P=0.036*
COCH-ARM / FISHERS	P=0.016*	P=0.357	P=0.513	P=0.030*
ORDER RESTRICTED	P=0.017*	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.021*	(e)	(e)	(e)

TDMS No. 96015 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Water disinfection byproducts (Dibromoacetonitrile)  
 CAS Number: 3252-43-5

Date Report Requested: 10/22/2007  
 Time Report Requested: 08:24:14  
 First Dose M/F: 09/05/01 / 09/05/01  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)**  
**TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/L	50 MG/L	100 MG/L	200 MG/L

**Pituitary Gland: Pars Distalis**  
**Cytoplasmic Alteration Focal**

**LESION RATES**

OVERALL (a)	1/49 (2%)	2/48 (4%)	0/50 (0%)	2/50 (4%)
POLY-3 RATE (b)	1/42.40	2/44.22	0/45.03	2/44.59
POLY-3 PERCENT (g)	2.4%	4.5%	0%	4.5%
TERMINAL (d)	1/29 (3%)	2/35 (6%)	0/29 (0%)	2/31 (7%)
FIRST INCIDENCE	729 (T)	729 (T)	---	729 (T)

**STATISTICAL TESTS**

LIFE TABLE	P=0.469	P=0.566	P=0.500N	P=0.523
POLY 3	P=0.488	P=0.515	P=0.488N	P=0.518
POLY 1.5	P=0.484	P=0.506	P=0.491N	P=0.513
POLY 6	P=0.492	P=0.526	P=0.486N	P=0.524
LOGISTIC REGRESSION	P=0.469	P=0.566	(e)	P=0.523
COCH-ARM / FISHERS	P=0.480	P=0.492	P=0.495N	P=0.508
ORDER RESTRICTED	P=0.430	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.441	(e)	(e)	(e)

TDMS No. 96015 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Water disinfection byproducts (Dibromoacetonitrile)  
 CAS Number: 3252-43-5

Date Report Requested: 10/22/2007  
 Time Report Requested: 08:24:14  
 First Dose M/F: 09/05/01 / 09/05/01  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)**  
**TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/L	50 MG/L	100 MG/L	200 MG/L

**Pituitary Gland: Pars Distalis  
 Hyperplasia**

**LESION RATES**

OVERALL (a)	0/49 (0%)	0/48 (0%)	0/50 (0%)	2/50 (4%)
POLY-3 RATE (b)	0/42.40	0/44.22	0/45.03	2/44.86
POLY-3 PERCENT (g)	0%	0%	0%	4.5%
TERMINAL (d)	0/29 (0%)	0/35 (0%)	0/29 (0%)	1/31 (3%)
FIRST INCIDENCE	---	---	---	657

**STATISTICAL TESTS**

LIFE TABLE	P=0.048*	(e)	(e)	P=0.258
POLY 3	P=0.048*	(e)	(e)	P=0.250
POLY 1.5	P=0.047*	(e)	(e)	P=0.246
POLY 6	P=0.048*	(e)	(e)	P=0.255
LOGISTIC REGRESSION	P=0.049*	(e)	(e)	P=0.242
COCH-ARM / FISHERS	P=0.048*	(e)	(e)	P=0.253
ORDER RESTRICTED	P=0.035*	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.042*	(e)	(e)	(e)

TDMS No. 96015 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Water disinfection byproducts (Dibromoacetonitrile)  
 CAS Number: 3252-43-5

Date Report Requested: 10/22/2007  
 Time Report Requested: 08:24:14  
 First Dose M/F: 09/05/01 / 09/05/01  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)**  
**TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/L	50 MG/L	100 MG/L	200 MG/L

**Pituitary Gland: Pars Distalis**  
**Hyperplasia Focal**

**LESION RATES**

OVERALL (a)	8/49 (16%)	7/48 (15%)	9/50 (18%)	10/50 (20%)
POLY-3 RATE (b)	8/43.43	7/44.68	9/45.79	10/44.82
POLY-3 PERCENT (g)	18.4%	15.7%	19.7%	22.3%
TERMINAL (d)	6/29 (21%)	6/35 (17%)	6/29 (21%)	7/31 (23%)
FIRST INCIDENCE	550	596	596	702

**STATISTICAL TESTS**

LIFE TABLE	P=0.295	P=0.362N	P=0.524	P=0.461
POLY 3	P=0.303	P=0.476N	P=0.548	P=0.425
POLY 1.5	P=0.305	P=0.492N	P=0.537	P=0.420
POLY 6	P=0.302	P=0.456N	P=0.558	P=0.433
LOGISTIC REGRESSION	P=0.316	P=0.509N	P=0.529	P=0.444
COCH-ARM / FISHERS	P=0.308	P=0.518N	P=0.518	P=0.416
ORDER RESTRICTED	P=0.422	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.431	(e)	(e)	(e)

TDMS No. 96015 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Water disinfection byproducts (Dibromoacetonitrile)  
 CAS Number: 3252-43-5

Date Report Requested: 10/22/2007  
 Time Report Requested: 08:24:14  
 First Dose M/F: 09/05/01 / 09/05/01  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)**  
**TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/L	50 MG/L	100 MG/L	200 MG/L

**Skin**  
**Cyst Epithelial Inclusion**

**LESION RATES**

OVERALL (a)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/49 (0%)
POLY-3 RATE (b)	0/42.91	0/45.69	1/45.03	0/43.81
POLY-3 PERCENT (g)	0%	0%	2.2%	0%
TERMINAL (d)	0/29 (0%)	0/35 (0%)	1/29 (3%)	0/31 (0%)
FIRST INCIDENCE	---	---	729 (T)	---

**STATISTICAL TESTS**

LIFE TABLE	P=0.695	(e)	P=0.500	(e)
POLY 3	P=0.700	(e)	P=0.510	(e)
POLY 1.5	P=0.696	(e)	P=0.506	(e)
POLY 6	P=0.707	(e)	P=0.513	(e)
LOGISTIC REGRESSION	(e)	(e)	P=0.500	(e)
COCH-ARM / FISHERS	P=0.692	(e)	P=0.500	(e)
ORDER RESTRICTED	P=0.390	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.400	(e)	(e)	(e)

TDMS No. 96015 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Water disinfection byproducts (Dibromoacetonitrile)  
 CAS Number: 3252-43-5

Date Report Requested: 10/22/2007  
 Time Report Requested: 08:24:14  
 First Dose M/F: 09/05/01 / 09/05/01  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)**  
**TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/L	50 MG/L	100 MG/L	200 MG/L

**Skin**  
**Hyperkeratosis Focal**

**LESION RATES**

OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/49 (0%)
POLY-3 RATE (b)	0/42.91	0/45.69	0/45.03	0/43.81
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/29 (0%)	0/35 (0%)	0/29 (0%)	0/31 (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. 96015 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Water disinfection byproducts (Dibromoacetonitrile)  
 CAS Number: 3252-43-5

Date Report Requested: 10/22/2007  
 Time Report Requested: 08:24:14  
 First Dose M/F: 09/05/01 / 09/05/01  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)**  
**TERMINAL SACRIFICE AT 105 WEEKS**

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DOSE	Females			
	0 MG/L	50 MG/L	100 MG/L	200 MG/L

---

Skin: Epidermis  
 Hyperplasia Focal

**LESION RATES**

OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/49 (0%)
POLY-3 RATE (b)	0/42.91	0/45.69	0/45.03	0/43.81
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/29 (0%)	0/35 (0%)	0/29 (0%)	0/31 (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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TDMS No. 96015 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Water disinfection byproducts (Dibromoacetonitrile)  
 CAS Number: 3252-43-5

Date Report Requested: 10/22/2007  
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 First Dose M/F: 09/05/01 / 09/05/01  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)**  
**TERMINAL SACRIFICE AT 105 WEEKS**

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DOSE	Females			
	0 MG/L	50 MG/L	100 MG/L	200 MG/L

---

Spleen  
 Accessory Spleen

**LESION RATES**

OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/42.91	0/45.69	0/45.03	0/44.59
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/29 (0%)	0/35 (0%)	0/29 (0%)	0/31 (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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TDMS No. 96015 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Water disinfection byproducts (Dibromoacetonitrile)  
 CAS Number: 3252-43-5

Date Report Requested: 10/22/2007  
 Time Report Requested: 08:24:14  
 First Dose M/F: 09/05/01 / 09/05/01  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)**  
**TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/L	50 MG/L	100 MG/L	200 MG/L

**Spleen  
 Congestion**

**LESION RATES**

OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/42.91	0/45.69	0/45.03	0/44.59
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/29 (0%)	0/35 (0%)	0/29 (0%)	0/31 (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. 96015 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Water disinfection byproducts (Dibromoacetonitrile)  
 CAS Number: 3252-43-5

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 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)**  
**TERMINAL SACRIFICE AT 105 WEEKS**

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DOSE	Females			
	0 MG/L	50 MG/L	100 MG/L	200 MG/L

---

**Spleen  
 Fibrosis Focal**

**LESION RATES**

OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/42.91	0/45.69	0/45.03	0/44.59
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/29 (0%)	0/35 (0%)	0/29 (0%)	0/31 (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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TDMS No. 96015 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Water disinfection byproducts (Dibromoacetonitrile)  
 CAS Number: 3252-43-5

Date Report Requested: 10/22/2007  
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 First Dose M/F: 09/05/01 / 09/05/01  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)**  
**TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/L	50 MG/L	100 MG/L	200 MG/L

**Spleen**  
**Hematopoietic Cell Proliferation**

**LESION RATES**

OVERALL (a)	4/50 (8%)	2/50 (4%)	4/50 (8%)	5/50 (10%)
POLY-3 RATE (b)	4/43.62	2/45.69	4/46.24	5/45.30
POLY-3 PERCENT (g)	9.2%	4.4%	8.7%	11%
TERMINAL (d)	2/29 (7%)	2/35 (6%)	0/29 (0%)	2/31 (7%)
FIRST INCIDENCE	583	729 (T)	596	657

**STATISTICAL TESTS**

LIFE TABLE	P=0.331	P=0.274N	P=0.606N	P=0.548
POLY 3	P=0.319	P=0.316N	P=0.611N	P=0.524
POLY 1.5	P=0.314	P=0.324N	P=0.623N	P=0.513
POLY 6	P=0.329	P=0.307N	P=0.598N	P=0.540
LOGISTIC REGRESSION	P=0.301	P=0.336N	P=0.561	P=0.494
COCH-ARM / FISHERS	P=0.309	P=0.339N	P=0.643N	P=0.500
ORDER RESTRICTED	P=0.371	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.384	(e)	(e)	(e)

TDMS No. 96015 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Water disinfection byproducts (Dibromoacetonitrile)  
 CAS Number: 3252-43-5

Date Report Requested: 10/22/2007  
 Time Report Requested: 08:24:14  
 First Dose M/F: 09/05/01 / 09/05/01  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)**  
**TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/L	50 MG/L	100 MG/L	200 MG/L

**Spleen  
 Hyperplasia Focal**

**LESION RATES**

OVERALL (a)	2/50 (4%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	2/42.91	0/45.69	0/45.03	0/44.59
POLY-3 PERCENT (g)	4.7%	0%	0%	0%
TERMINAL (d)	2/29 (7%)	0/35 (0%)	0/29 (0%)	0/31 (0%)
FIRST INCIDENCE	729 (T)	---	---	---

**STATISTICAL TESTS**

LIFE TABLE	P=0.113N	P=0.198N	P=0.238N	P=0.223N
POLY 3	P=0.119N	P=0.223N	P=0.226N	P=0.228N
POLY 1.5	P=0.116N	P=0.229N	P=0.231N	P=0.233N
POLY 6	P=0.122N	P=0.217N	P=0.222N	P=0.223N
LOGISTIC REGRESSION	P=0.113N	(e)	(e)	(e)
COCH-ARM / FISHERS	P=0.115N	P=0.247N	P=0.247N	P=0.247N
ORDER RESTRICTED	P=0.027N*	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.032N*	(e)	(e)	(e)

TDMS No. 96015 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Water disinfection byproducts (Dibromoacetonitrile)  
 CAS Number: 3252-43-5

Date Report Requested: 10/22/2007  
 Time Report Requested: 08:24:14  
 First Dose M/F: 09/05/01 / 09/05/01  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)**  
**TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/L	50 MG/L	100 MG/L	200 MG/L

**Spleen  
 Necrosis Focal**

**LESION RATES**

OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/42.91	0/45.69	0/45.03	0/44.59
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/29 (0%)	0/35 (0%)	0/29 (0%)	0/31 (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. 96015 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Water disinfection byproducts (Dibromoacetonitrile)  
 CAS Number: 3252-43-5

Date Report Requested: 10/22/2007  
 Time Report Requested: 08:24:14  
 First Dose M/F: 09/05/01 / 09/05/01  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)**  
**TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/L	50 MG/L	100 MG/L	200 MG/L

**Spleen  
 Pigmentation**

**LESION RATES**

OVERALL (a)	6/50 (12%)	0/50 (0%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	6/44.61	0/45.69	0/45.03	1/44.95
POLY-3 PERCENT (g)	13.5%	0%	0%	2.2%
TERMINAL (d)	2/29 (7%)	0/35 (0%)	0/29 (0%)	0/31 (0%)
FIRST INCIDENCE	535	---	---	629

**STATISTICAL TESTS**

LIFE TABLE	P=0.029N*	P=0.014N*	P=0.018N*	P=0.055N
POLY 3	P=0.027N*	P=0.014N*	P=0.015N*	P=0.054N
POLY 1.5	P=0.027N*	P=0.014N*	P=0.015N*	P=0.055N
POLY 6	P=0.027N*	P=0.013N*	P=0.015N*	P=0.053N
LOGISTIC REGRESSION	P=0.032N*	P=0.031N*	P=0.028N*	P=0.065N
COCH-ARM / FISHERS	P=0.030N*	P=0.013N*	P=0.013N*	P=0.056N
ORDER RESTRICTED	P<0.001N**	(e)	(e)	(e)
MAX-ISO-POLY-3	P<0.001N**	(e)	(e)	(e)

TDMS No. 96015 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Water disinfection byproducts (Dibromoacetonitrile)  
 CAS Number: 3252-43-5

Date Report Requested: 10/22/2007  
 Time Report Requested: 08:24:14  
 First Dose M/F: 09/05/01 / 09/05/01  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)**  
**TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/L	50 MG/L	100 MG/L	200 MG/L

**Stomach, Forestomach  
 Inflammation**

**LESION RATES**

OVERALL (a)	0/50 (0%)	1/50 (2%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	0/42.91	1/46.15	1/45.10	0/44.59
POLY-3 PERCENT (g)	0%	2.2%	2.2%	0%
TERMINAL (d)	0/29 (0%)	0/35 (0%)	0/29 (0%)	0/31 (0%)
FIRST INCIDENCE	---	596	712	---

**STATISTICAL TESTS**

LIFE TABLE	P=0.586N	P=0.527	P=0.506	(e)
POLY 3	P=0.583N	P=0.515	P=0.510	(e)
POLY 1.5	P=0.588N	P=0.509	P=0.506	(e)
POLY 6	P=0.576N	P=0.522	P=0.514	(e)
LOGISTIC REGRESSION	P=0.594N	P=0.360	P=0.512	(e)
COCH-ARM / FISHERS	P=0.595N	P=0.500	P=0.500	(e)
ORDER RESTRICTED	P=0.409N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.420N	(e)	(e)	(e)

TDMS No. 96015 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Water disinfection byproducts (Dibromoacetonitrile)  
 CAS Number: 3252-43-5

Date Report Requested: 10/22/2007  
 Time Report Requested: 08:24:14  
 First Dose M/F: 09/05/01 / 09/05/01  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)**  
**TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/L	50 MG/L	100 MG/L	200 MG/L

**Stomach, Forestomach  
 Ulcer**

**LESION RATES**

OVERALL (a)	5/50 (10%)	0/50 (0%)	1/50 (2%)	2/50 (4%)
POLY-3 RATE (b)	5/44.48	0/45.69	1/45.13	2/45.17
POLY-3 PERCENT (g)	11.2%	0%	2.2%	4.4%
TERMINAL (d)	0/29 (0%)	0/35 (0%)	0/29 (0%)	0/31 (0%)
FIRST INCIDENCE	535	---	703	590

**STATISTICAL TESTS**

LIFE TABLE	P=0.221N	P=0.029N*	P=0.096N	P=0.199N
POLY 3	P=0.233N	P=0.028N*	P=0.098N	P=0.209N
POLY 1.5	P=0.232N	P=0.029N*	P=0.099N	P=0.213N
POLY 6	P=0.233N	P=0.027N*	P=0.098N	P=0.205N
LOGISTIC REGRESSION	P=0.239N	P=0.060N	P=0.150N	P=0.239N
COCH-ARM / FISHERS	P=0.232N	P=0.028N*	P=0.102N	P=0.218N
ORDER RESTRICTED	P=0.025N*	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.029N*	(e)	(e)	(e)

TDMS No. 96015 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Water disinfection byproducts (Dibromoacetonitrile)  
 CAS Number: 3252-43-5

Date Report Requested: 10/22/2007  
 Time Report Requested: 08:24:14  
 First Dose M/F: 09/05/01 / 09/05/01  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)**  
**TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/L	50 MG/L	100 MG/L	200 MG/L

**Stomach, Forestomach: Epithelium  
 Hyperplasia**

**LESION RATES**

OVERALL (a)	4/50 (8%)	4/50 (8%)	8/50 (16%)	4/50 (8%)
POLY-3 RATE (b)	4/44.89	4/47.23	8/46.68	4/45.82
POLY-3 PERCENT (g)	8.9%	8.5%	17.1%	8.7%
TERMINAL (d)	1/29 (3%)	0/35 (0%)	2/29 (7%)	0/31 (0%)
FIRST INCIDENCE	400	576	566	551

**STATISTICAL TESTS**

LIFE TABLE	P=0.523	P=0.589N	P=0.218	P=0.609N
POLY 3	P=0.505	P=0.615N	P=0.196	P=0.632N
POLY 1.5	P=0.500	P=0.627N	P=0.188	P=0.638N
POLY 6	P=0.515	P=0.597N	P=0.207	P=0.620N
LOGISTIC REGRESSION	P=0.450	P=0.244	P=0.059	P=0.588
COCH-ARM / FISHERS	P=0.500	P=0.643N	P=0.178	P=0.643N
ORDER RESTRICTED	P=0.409	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.418	(e)	(e)	(e)

TDMS No. 96015 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Water disinfection byproducts (Dibromoacetonitrile)  
 CAS Number: 3252-43-5

Date Report Requested: 10/22/2007  
 Time Report Requested: 08:24:14  
 First Dose M/F: 09/05/01 / 09/05/01  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)**  
**TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/L	50 MG/L	100 MG/L	200 MG/L

**Stomach, Glandular  
 Erosion**

**LESION RATES**

OVERALL (a)	4/49 (8%)	0/50 (0%)	4/50 (8%)	1/50 (2%)
POLY-3 RATE (b)	4/43.84	0/45.69	4/46.30	1/44.81
POLY-3 PERCENT (g)	9.1%	0%	8.6%	2.2%
TERMINAL (d)	0/29 (0%)	0/35 (0%)	0/29 (0%)	0/31 (0%)
FIRST INCIDENCE	400	---	520	671

**STATISTICAL TESTS**

LIFE TABLE	P=0.259N	P=0.058N	P=0.616N	P=0.173N
POLY 3	P=0.259N	P=0.055N	P=0.613N	P=0.172N
POLY 1.5	P=0.259N	P=0.056N	P=0.620N	P=0.173N
POLY 6	P=0.258N	P=0.054N	P=0.607N	P=0.169N
LOGISTIC REGRESSION	P=0.253N	P=0.157N	P=0.404	P=0.186N
COCH-ARM / FISHERS	P=0.257N	P=0.056N	P=0.631N	P=0.175N
ORDER RESTRICTED	P=0.102N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.108N	(e)	(e)	(e)

TDMS No. 96015 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Water disinfection byproducts (Dibromoacetonitrile)  
 CAS Number: 3252-43-5

Date Report Requested: 10/22/2007  
 Time Report Requested: 08:24:14  
 First Dose M/F: 09/05/01 / 09/05/01  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)**  
**TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/L	50 MG/L	100 MG/L	200 MG/L

**Stomach, Glandular  
 Ulcer**

**LESION RATES**

OVERALL (a)	0/49 (0%)	0/50 (0%)	2/50 (4%)	1/50 (2%)
POLY-3 RATE (b)	0/42.13	0/45.69	2/45.73	1/44.67
POLY-3 PERCENT (g)	0%	0%	4.4%	2.2%
TERMINAL (d)	0/29 (0%)	0/35 (0%)	0/29 (0%)	0/31 (0%)
FIRST INCIDENCE	---	---	594	710

**STATISTICAL TESTS**

LIFE TABLE	P=0.256	(e)	P=0.263	P=0.523
POLY 3	P=0.254	(e)	P=0.256	P=0.512
POLY 1.5	P=0.251	(e)	P=0.250	P=0.508
POLY 6	P=0.259	(e)	P=0.262	P=0.516
LOGISTIC REGRESSION	P=0.252	(e)	P=0.161	P=0.513
COCH-ARM / FISHERS	P=0.249	(e)	P=0.253	P=0.505
ORDER RESTRICTED	P=0.184	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.197	(e)	(e)	(e)

TDMS No. 96015 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Water disinfection byproducts (Dibromoacetonitrile)  
 CAS Number: 3252-43-5

Date Report Requested: 10/22/2007  
 Time Report Requested: 08:24:14  
 First Dose M/F: 09/05/01 / 09/05/01  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)**  
**TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/L	50 MG/L	100 MG/L	200 MG/L

**Stomach, Glandular: Glands  
 Ectasia**

**LESION RATES**

OVERALL (a)	10/49 (20%)	4/50 (8%)	10/50 (20%)	26/50 (52%)
POLY-3 RATE (b)	10/42.54	4/45.69	10/45.31	26/45.91
POLY-3 PERCENT (g)	23.5%	8.8%	22.1%	56.6%
TERMINAL (d)	7/29 (24%)	4/35 (11%)	8/29 (28%)	18/31 (58%)
FIRST INCIDENCE	671	729 (T)	672	648

**STATISTICAL TESTS**

LIFE TABLE	P<0.001**	P=0.037N*	P=0.581N	P=0.004**
POLY 3	P<0.001**	P=0.052N	P=0.538N	P<0.001**
POLY 1.5	P<0.001**	P=0.058N	P=0.552N	P<0.001**
POLY 6	P<0.001**	P=0.047N*	P=0.527N	P<0.001**
LOGISTIC REGRESSION	P<0.001**	P=0.042N*	P=0.517N	P=0.002**
COCH-ARM / FISHERS	P<0.001**	P=0.068N	P=0.579N	P<0.001**
ORDER RESTRICTED	P<0.001**	(e)	(e)	(e)
MAX-ISO-POLY-3	P<0.001**	(e)	(e)	(e)

TDMS No. 96015 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Water disinfection byproducts (Dibromoacetonitrile)  
 CAS Number: 3252-43-5

Date Report Requested: 10/22/2007  
 Time Report Requested: 08:24:14  
 First Dose M/F: 09/05/01 / 09/05/01  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)**  
**TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/L	50 MG/L	100 MG/L	200 MG/L

**Stomach, Glandular: Glands  
 Hyperplasia**

**LESION RATES**

OVERALL (a)	0/49 (0%)	0/50 (0%)	0/50 (0%)	2/50 (4%)
POLY-3 RATE (b)	0/42.13	0/45.69	0/45.03	2/44.97
POLY-3 PERCENT (g)	0%	0%	0%	4.5%
TERMINAL (d)	0/29 (0%)	0/35 (0%)	0/29 (0%)	0/31 (0%)
FIRST INCIDENCE	---	---	---	657

**STATISTICAL TESTS**

LIFE TABLE	P=0.050*	(e)	(e)	P=0.263
POLY 3	P=0.047*	(e)	(e)	P=0.252
POLY 1.5	P=0.046*	(e)	(e)	P=0.247
POLY 6	P=0.047*	(e)	(e)	P=0.258
LOGISTIC REGRESSION	P=0.048*	(e)	(e)	P=0.237
COCH-ARM / FISHERS	P=0.047*	(e)	(e)	P=0.253
ORDER RESTRICTED	P=0.036*	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.043*	(e)	(e)	(e)

TDMS No. 96015 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Water disinfection byproducts (Dibromoacetonitrile)  
 CAS Number: 3252-43-5

Date Report Requested: 10/22/2007  
 Time Report Requested: 08:24:14  
 First Dose M/F: 09/05/01 / 09/05/01  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)**  
**TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/L	50 MG/L	100 MG/L	200 MG/L

**Thymus**  
**Hyperplasia Lymphoid**

**LESION RATES**

OVERALL (a)	2/48 (4%)	1/49 (2%)	0/48 (0%)	0/49 (0%)
POLY-3 RATE (b)	2/41.41	1/44.69	0/43.09	0/43.81
POLY-3 PERCENT (g)	4.8%	2.2%	0%	0%
TERMINAL (d)	0/28 (0%)	1/34 (3%)	0/28 (0%)	0/31 (0%)
FIRST INCIDENCE	670	729 (T)	---	---

**STATISTICAL TESTS**

LIFE TABLE	P=0.096N	P=0.463N	P=0.226N	P=0.223N
POLY 3	P=0.099N	P=0.473N	P=0.228N	P=0.224N
POLY 1.5	P=0.099N	P=0.481N	P=0.231N	P=0.228N
POLY 6	P=0.099N	P=0.466N	P=0.226N	P=0.220N
LOGISTIC REGRESSION	P=0.101N	P=0.501N	P=0.254N	P=0.240N
COCH-ARM / FISHERS	P=0.099N	P=0.492N	P=0.247N	P=0.242N
ORDER RESTRICTED	P=0.066N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.076N	(e)	(e)	(e)

TDMS No. 96015 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Water disinfection byproducts (Dibromoacetonitrile)  
 CAS Number: 3252-43-5

Date Report Requested: 10/22/2007  
 Time Report Requested: 08:24:14  
 First Dose M/F: 09/05/01 / 09/05/01  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)**  
**TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/L	50 MG/L	100 MG/L	200 MG/L

**Thyroid Gland: C-Cell  
 Hyperplasia**

**LESION RATES**

OVERALL (a)	38/46 (83%)	44/48 (92%)	45/48 (94%)	42/46 (91%)
POLY-3 RATE (b)	38/43.42	44/47.17	45/47.36	42/44.32
POLY-3 PERCENT (g)	87.5%	93.3%	95%	94.8%
TERMINAL (d)	26/29 (90%)	33/35 (94%)	29/29 (100%)	31/31 (100%)
FIRST INCIDENCE	535	561	520	596

**STATISTICAL TESTS**

LIFE TABLE	P=0.366	P=0.509N	P=0.188	P=0.499
POLY 3	P=0.139	P=0.266	P=0.161	P=0.177
POLY 1.5	P=0.149	P=0.217	P=0.126	P=0.179
POLY 6	P=0.116	P=0.332	P=0.198	P=0.169
LOGISTIC REGRESSION	P=0.280	P=0.316	P=0.138	P=0.408
COCH-ARM / FISHERS	P=0.155	P=0.157	P=0.086	P=0.177
ORDER RESTRICTED	P=0.110	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.115	(e)	(e)	(e)

TDMS No. 96015 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Water disinfection byproducts (Dibromoacetonitrile)  
 CAS Number: 3252-43-5

Date Report Requested: 10/22/2007  
 Time Report Requested: 08:24:14  
 First Dose M/F: 09/05/01 / 09/05/01  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)**  
**TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/L	50 MG/L	100 MG/L	200 MG/L

**Thyroid Gland: Follicular Cell  
 Hyperplasia Focal**

**LESION RATES**

OVERALL (a)	0/46 (0%)	0/48 (0%)	0/48 (0%)	0/46 (0%)
POLY-3 RATE (b)	0/40.22	0/44.33	0/43.16	0/42.49
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/29 (0%)	0/35 (0%)	0/29 (0%)	0/31 (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. 96015 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Water disinfection byproducts (Dibromoacetonitrile)  
 CAS Number: 3252-43-5

Date Report Requested: 10/22/2007  
 Time Report Requested: 08:24:14  
 First Dose M/F: 09/05/01 / 09/05/01  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)**  
**TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/L	50 MG/L	100 MG/L	200 MG/L

Tongue: Epithelium  
 Hyperplasia

**LESION RATES**

OVERALL (a)	1/50 (2%)	1/50 (2%)	2/50 (4%)	6/50 (12%)
POLY-3 RATE (b)	1/42.91	1/45.69	2/45.27	6/44.67
POLY-3 PERCENT (g)	2.3%	2.2%	4.4%	13.4%
TERMINAL (d)	1/29 (3%)	1/35 (3%)	1/29 (3%)	5/31 (16%)
FIRST INCIDENCE	729 (T)	729 (T)	664	710

**STATISTICAL TESTS**

LIFE TABLE	P=0.011*	P=0.720N	P=0.511	P=0.071
POLY 3	P=0.010**	P=0.747N	P=0.519	P=0.062
POLY 1.5	P=0.010**	P=0.752N	P=0.511	P=0.059
POLY 6	P=0.010**	P=0.740N	P=0.526	P=0.066
LOGISTIC REGRESSION	P=0.011*	P=0.720N	P=0.517	P=0.070
COCH-ARM / FISHERS	P=0.011*	P=0.753N	P=0.500	P=0.056
ORDER RESTRICTED	P=0.016*	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.015*	(e)	(e)	(e)

TDMS No. 96015 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Water disinfection byproducts (Dibromoacetonitrile)  
 CAS Number: 3252-43-5

Date Report Requested: 10/22/2007  
 Time Report Requested: 08:24:14  
 First Dose M/F: 09/05/01 / 09/05/01  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)**  
**TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/L	50 MG/L	100 MG/L	200 MG/L

**Uterus  
 Hemorrhage**

**LESION RATES**

OVERALL (a)	1/50 (2%)	2/50 (4%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	1/42.91	2/45.69	0/45.03	1/44.81
POLY-3 PERCENT (g)	2.3%	4.4%	0%	2.2%
TERMINAL (d)	1/29 (3%)	2/35 (6%)	0/29 (0%)	0/31 (0%)
FIRST INCIDENCE	729 (T)	729 (T)	---	671

**STATISTICAL TESTS**

LIFE TABLE	P=0.494N	P=0.566	P=0.500N	P=0.742N
POLY 3	P=0.490N	P=0.522	P=0.490N	P=0.751N
POLY 1.5	P=0.494N	P=0.513	P=0.494N	P=0.755N
POLY 6	P=0.484N	P=0.532	P=0.487N	P=0.745N
LOGISTIC REGRESSION	P=0.489N	P=0.566	(e)	P=0.759N
COCH-ARM / FISHERS	P=0.500N	P=0.500	P=0.500N	P=0.753N
ORDER RESTRICTED	P=0.381N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.394N	(e)	(e)	(e)

TDMS No. 96015 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Water disinfection byproducts (Dibromoacetonitrile)  
 CAS Number: 3252-43-5

Date Report Requested: 10/22/2007  
 Time Report Requested: 08:24:14  
 First Dose M/F: 09/05/01 / 09/05/01  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)**  
**TERMINAL SACRIFICE AT 105 WEEKS**

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DOSE	Females			
	0 MG/L	50 MG/L	100 MG/L	200 MG/L

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Uterus: Endometrium  
 Hyperplasia Cystic

**LESION RATES**

OVERALL (a)	32/50 (64%)	38/50 (76%)	39/50 (78%)	32/50 (64%)
POLY-3 RATE (b)	32/43.39	38/46.63	39/47.58	32/45.83
POLY-3 PERCENT (g)	73.7%	81.5%	82%	69.8%
TERMINAL (d)	28/29 (97%)	34/35 (97%)	28/29 (97%)	22/31 (71%)
FIRST INCIDENCE	671	608	566	657

**STATISTICAL TESTS**

LIFE TABLE	P=0.387N	P=0.588N	P=0.095	P=0.386N
POLY 3	P=0.254N	P=0.241	P=0.222	P=0.425N
POLY 1.5	P=0.338N	P=0.190	P=0.152	P=0.506N
POLY 6	P=0.135N	P=0.332	P=0.361	P=0.292N
LOGISTIC REGRESSION	P=0.210N	P=0.355	P=0.198	P=0.310N
COCH-ARM / FISHERS	P=0.427N	P=0.138	P=0.093	P=0.582N
ORDER RESTRICTED	P=0.203N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.219N	(e)	(e)	(e)

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TDMS No. 96015 - 05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Water disinfection byproducts (Dibromoacetonitrile)  
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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)**  
**TERMINAL SACRIFICE AT 105 WEEKS**

---

DOSE	Females			
	0 MG/L	50 MG/L	100 MG/L	200 MG/L

---

**Vagina  
 Inflammation**

**LESION RATES**

OVERALL (a)	1/6 (17%)	1/2 (50%)	1/7 (14%)	2/7 (29%)
POLY-3 RATE (b)	1/5.08	1/1.84	1/4.85	2/6.37
POLY-3 PERCENT (g)	19.7%	54.2%	20.6%	31.4%
TERMINAL (d)	0/1 (0%)	0/0 (0%)	0/1 (0%)	0/2 (0%)
FIRST INCIDENCE	656	714	594	590

**STATISTICAL TESTS**

LIFE TABLE	P=0.361	P=0.732N	P=0.737N	P=0.523
POLY 3	P=0.535	P=0.523	P=0.760	P=0.585
POLY 1.5	P=0.519	P=0.513	P=0.756N	P=0.573
POLY 6	P=0.557	P=0.537	P=0.732	P=0.601
LOGISTIC REGRESSION	P=0.495	P=0.516	P=0.705N	P=0.521
COCH-ARM / FISHERS	P=0.500	P=0.464	P=0.731N	P=0.563
ORDER RESTRICTED	P=0.506	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.543	(e)	(e)	(e)

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TDMS No. 96015 - 05  
Test Type: CHRONIC  
Route: DOSED WATER  
Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
Water disinfection byproducts (Dibromoacetonitrile)  
CAS Number: 3252-43-5

Date Report Requested: 10/22/2007  
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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 \*\*\*