

**TDMS No.** 96019-05  
**Test Type:** CHRONIC  
**Route:** DOSED WATER  
**Species/Strain:** RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
WATER DISINFECTION BYPRODUCTS (BROMOCHLOROACETIC ACID)  
**CAS Number:** 5589-96-8  
**Pathologist:** GILES, H. - HEATH, J. - Blackshear, P.

**Date Report Requested:** 03/28/2006  
**Time Report Requested:** 15:07:20  
**First Dose M/F:** 09/26/01 / 09/26/01  
**Lab:** SRI

F1\_R2

<b>C Number:</b>	C96019		
<b>Lock Date:</b>	07/14/2004		
<b>Cage Range:</b>	1 - 9999		
<b>Date Range:</b>	1-JAN-1940 to 17-SEP-2040		
<b>Reasons For Removal:</b>	25021 Terminal Sacrifice	25020 Natural Death	25019 Moribund Sacrifice
<b>Removal Date Range:</b>	JAN /1 /1940 - SEP /17 /2040		
<b>Treatment Groups:</b>	Include 1 0 MG/L	Include 2 0 MG/L	Include 3 250 MG/L
	Include 4 250 MG/L	Include 5 500 MG/L	Include 6 500 MG/L
	Include 7 1000 MG/L	Include 8 1000 MG/L	

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## SUMMARY OF STATISTICALLY SIGNIFICANT ( $P \leq .05$ ) RESULTS IN THE ANALYSIS OF WATER DISINFECTION BYPRODUCTS (BROMOCHLOROACETIC ACID)

### MALE RATS

#### Organ

Adrenal Medulla  
Liver

Lung: Alveolar Epithelium  
Lymph Node, Mesenteric  
Lymph Node: Mediastinal  
Mesentery: Fat  
Nose

#### Morphology

Hyperplasia  
Eosinophilic Focus  
Hepatodiaphragmatic Nodule  
Hyperplasia  
Hyperplasia Lymphoid  
Hemorrhage  
Necrosis  
Inflammation Chronic

### FEMALE RATS

#### Organ

Adrenal Cortex  
Kidney  
Kidney: Transitional Epithelium  
  
Liver

Lung  
Lung: Alveolar Epithelium  
Lymph Node, Mesenteric  
Lymph Node: Mediastinal  
Pituitary Gland: Pars Distalis  
Spleen  
Tooth

#### Morphology

Hyperplasia Focal  
Infarct  
Hyperplasia Diffuse  
Inflammation Chronic  
Basophilic Focus  
Eosinophilic Focus  
Mixed Cell Focus  
Infiltration Cellular Histiocyte  
Hyperplasia  
Hyperplasia Lymphoid  
Hyperplasia Lymphoid  
Hyperplasia Focal  
Hematopoietic Cell Proliferation  
Malformation

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

DOSE	Males			
	0 MG/L	250 MG/L	500 MG/L	1000 MG/L

Adrenal Cortex  
 Accessory Adrenal Cortical Nodule

**LESION RATES**

OVERALL (a)	23/50 (46%)	27/50 (54%)	28/50 (56%)	19/50 (38%)
POLY-3 RATE (b)	23/44.93	27/45.14	28/43.76	19/43.41
POLY-3 PERCENT (g)	51.2%	59.8%	64%	43.8%
TERMINAL (d)	17/31 (55%)	16/26 (62%)	19/25 (76%)	14/29 (48%)
FIRST INCIDENCE	525	525	366	357

**STATISTICAL TESTS**

LIFE TABLE	P=0.250N	P=0.123	P=0.051	P=0.367N
POLY 3	P=0.213N	P=0.265	P=0.148	P=0.310N
POLY 1.5	P=0.198N	P=0.274	P=0.174	P=0.294N
POLY 6	P=0.230N	P=0.249	P=0.115	P=0.328N
LOGISTIC REGRESSION	P=0.216N	P=0.234	P=0.135	P=0.317N
COCH-ARM / FISHERS	P=0.175N	P=0.274	P=0.212	P=0.272N
ORDER RESTRICTED	P=0.118N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.128N	(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	250 MG/L	500 MG/L	1000 MG/L

**Adrenal Cortex  
 Hyperplasia Focal**

**LESION RATES**

OVERALL (a)	11/50 (22%)	13/50 (26%)	12/50 (24%)	9/50 (18%)
POLY-3 RATE (b)	11/45.51	13/42.56	12/42.98	9/43.25
POLY-3 PERCENT (g)	24.2%	30.6%	27.9%	20.8%
TERMINAL (d)	5/31 (16%)	8/26 (31%)	6/25 (24%)	4/29 (14%)
FIRST INCIDENCE	525	679	555	521

**STATISTICAL TESTS**

LIFE TABLE	P=0.346N	P=0.288	P=0.351	P=0.456N
POLY 3	P=0.332N	P=0.332	P=0.437	P=0.450N
POLY 1.5	P=0.320N	P=0.370	P=0.460	P=0.433N
POLY 6	P=0.341N	P=0.276	P=0.410	P=0.469N
LOGISTIC REGRESSION	P=0.304N	P=0.392	P=0.531	P=0.386N
COCH-ARM / FISHERS	P=0.293N	P=0.408	P=0.500	P=0.402N
ORDER RESTRICTED	P=0.371N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.385N	(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	250 MG/L	500 MG/L	1000 MG/L

**Adrenal Cortex  
 Hypertrophy Focal**

**LESION RATES**

OVERALL (a)	5/50 (10%)	3/50 (6%)	3/50 (6%)	4/50 (8%)
POLY-3 RATE (b)	5/43.62	3/42.12	3/40.70	4/41.60
POLY-3 PERCENT (g)	11.5%	7.1%	7.4%	9.6%
TERMINAL (d)	4/31 (13%)	3/26 (12%)	2/25 (8%)	4/29 (14%)
FIRST INCIDENCE	601	729 (T)	609	729 (T)

**STATISTICAL TESTS**

LIFE TABLE	P=0.505N	P=0.446N	P=0.463N	P=0.542N
POLY 3	P=0.503N	P=0.375N	P=0.395N	P=0.530N
POLY 1.5	P=0.497N	P=0.365N	P=0.380N	P=0.519N
POLY 6	P=0.506N	P=0.395N	P=0.413N	P=0.540N
LOGISTIC REGRESSION	P=0.506N	P=0.388N	P=0.389N	P=0.529N
COCH-ARM / FISHERS	P=0.482N	P=0.357N	P=0.357N	P=0.500N
ORDER RESTRICTED	P=0.457N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.469N	(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	250 MG/L	500 MG/L	1000 MG/L

**Adrenal Medulla  
 Hyperplasia**

**LESION RATES**

OVERALL (a)	19/50 (38%)	22/50 (44%)	20/50 (40%)	28/50 (56%)
POLY-3 RATE (b)	19/45.97	22/44.22	20/42.37	28/44.82
POLY-3 PERCENT (g)	41.3%	49.8%	47.2%	62.5%
TERMINAL (d)	13/31 (42%)	12/26 (46%)	10/25 (40%)	18/29 (62%)
FIRST INCIDENCE	337	609	575	434

**STATISTICAL TESTS**

LIFE TABLE	P=0.058	P=0.196	P=0.268	P=0.047*
POLY 3	P=0.027*	P=0.274	P=0.365	P=0.030*
POLY 1.5	P=0.032*	P=0.303	P=0.411	P=0.036*
POLY 6	P=0.025*	P=0.240	P=0.325	P=0.028*
LOGISTIC REGRESSION	P=0.034*	P=0.332	P=0.442	P=0.048*
COCH-ARM / FISHERS	P=0.049*	P=0.342	P=0.500	P=0.054
ORDER RESTRICTED	P=0.024*	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.028*	(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	250 MG/L	500 MG/L	1000 MG/L

**Bone Marrow  
 Hyperplasia**

**LESION RATES**

OVERALL (a)	5/50 (10%)	7/50 (14%)	8/50 (16%)	3/50 (6%)
POLY-3 RATE (b)	5/45.04	7/44.07	8/42.88	3/42.56
POLY-3 PERCENT (g)	11.1%	15.9%	18.7%	7.1%
TERMINAL (d)	0/31 (0%)	1/26 (4%)	3/25 (12%)	0/29 (0%)
FIRST INCIDENCE	504	540	321	556

**STATISTICAL TESTS**

LIFE TABLE	P=0.300N	P=0.350	P=0.219	P=0.386N
POLY 3	P=0.303N	P=0.363	P=0.243	P=0.388N
POLY 1.5	P=0.289N	P=0.373	P=0.258	P=0.376N
POLY 6	P=0.317N	P=0.345	P=0.222	P=0.399N
LOGISTIC REGRESSION	P=0.186N	P=0.367	P=0.378	P=0.298N
COCH-ARM / FISHERS	P=0.262N	P=0.380	P=0.277	P=0.357N
ORDER RESTRICTED	P=0.204N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.221N	(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	250 MG/L	500 MG/L	1000 MG/L

**Bone Marrow  
 Myelofibrosis**

**LESION RATES**

OVERALL (a)	0/50 (0%)	1/50 (2%)	0/50 (0%)	2/50 (4%)
POLY-3 RATE (b)	0/43.18	1/42.46	0/40.28	2/42.09
POLY-3 PERCENT (g)	0%	2.4%	0%	4.8%
TERMINAL (d)	0/31 (0%)	0/26 (0%)	0/25 (0%)	0/29 (0%)
FIRST INCIDENCE	---	637	---	652

**STATISTICAL TESTS**

LIFE TABLE	P=0.144	P=0.490	(e)	P=0.237
POLY 3	P=0.134	P=0.497	(e)	P=0.231
POLY 1.5	P=0.136	P=0.499	(e)	P=0.233
POLY 6	P=0.134	P=0.492	(e)	P=0.231
LOGISTIC REGRESSION	P=0.146	P=0.491	(e)	P=0.243
COCH-ARM / FISHERS	P=0.140	P=0.500	(e)	P=0.247
ORDER RESTRICTED	P=0.071	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.078	(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	250 MG/L	500 MG/L	1000 MG/L

Bone: Cranium  
 Osteopetrosis

**LESION RATES**

OVERALL (a)	0/50 (0%)	4/50 (8%)	0/50 (0%)	2/50 (4%)
POLY-3 RATE (b)	0/43.18	4/42.87	0/40.28	2/41.60
POLY-3 PERCENT (g)	0%	9.3%	0%	4.8%
TERMINAL (d)	0/31 (0%)	2/26 (8%)	0/25 (0%)	2/29 (7%)
FIRST INCIDENCE	---	609	---	729 (T)

**STATISTICAL TESTS**

LIFE TABLE	P=0.434	P=0.054	(e)	P=0.223
POLY 3	P=0.422	P=0.059	(e)	P=0.229
POLY 1.5	P=0.430	P=0.060	(e)	P=0.232
POLY 6	P=0.415	P=0.057	(e)	P=0.226
LOGISTIC REGRESSION	P=0.435	P=0.063	(e)	P=0.223
COCH-ARM / FISHERS	P=0.444	P=0.059	(e)	P=0.247
ORDER RESTRICTED	P=0.174	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.188	(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	250 MG/L	500 MG/L	1000 MG/L

Bone: Femur  
 Osteopetrosis

**LESION RATES**

OVERALL (a)	1/50 (2%)	0/50 (0%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	1/43.81	0/42.12	0/40.28	1/41.81
POLY-3 PERCENT (g)	2.3%	0%	0%	2.4%
TERMINAL (d)	0/31 (0%)	0/26 (0%)	0/25 (0%)	0/29 (0%)
FIRST INCIDENCE	525	---	---	674

**STATISTICAL TESTS**

LIFE TABLE	P=0.584	P=0.496N	P=0.508N	P=0.748
POLY 3	P=0.591	P=0.508N	P=0.517N	P=0.750
POLY 1.5	P=0.591	P=0.504N	P=0.510N	P=0.754
POLY 6	P=0.593	P=0.515N	P=0.525N	P=0.748
LOGISTIC REGRESSION	P=0.636	P=0.614N	P=0.428N	P=0.733N
COCH-ARM / FISHERS	P=0.595	P=0.500N	P=0.500N	P=0.753N
ORDER RESTRICTED	P=0.392	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.404	(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	250 MG/L	500 MG/L	1000 MG/L

**Brain  
 Compression**

**LESION RATES**

OVERALL (a)	5/50 (10%)	8/50 (16%)	11/50 (22%)	5/50 (10%)
POLY-3 RATE (b)	5/44.63	8/44.08	11/42.55	5/41.96
POLY-3 PERCENT (g)	11.2%	18.2%	25.9%	11.9%
TERMINAL (d)	2/31 (7%)	2/26 (8%)	5/25 (20%)	3/29 (10%)
FIRST INCIDENCE	525	504	581	631

**STATISTICAL TESTS**

LIFE TABLE	P=0.542N	P=0.242	P=0.055	P=0.597
POLY 3	P=0.525	P=0.266	P=0.066	P=0.591
POLY 1.5	P=0.549	P=0.273	P=0.072	P=0.606
POLY 6	P=0.503	P=0.253	P=0.060	P=0.578
LOGISTIC REGRESSION	P=0.497N	P=0.271	P=0.098	P=0.626N
COCH-ARM / FISHERS	P=0.514N	P=0.277	P=0.086	P=0.630N
ORDER RESTRICTED	P=0.263	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.280	(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	250 MG/L	500 MG/L	1000 MG/L

**Brain  
 Hemorrhage**

**LESION RATES**

OVERALL (a)	2/50 (4%)	3/50 (6%)	4/50 (8%)	1/50 (2%)
POLY-3 RATE (b)	2/43.18	3/42.47	4/41.36	1/42.39
POLY-3 PERCENT (g)	4.6%	7.1%	9.7%	2.4%
TERMINAL (d)	2/31 (7%)	0/26 (0%)	0/25 (0%)	0/29 (0%)
FIRST INCIDENCE	729 (T)	666	555	434

**STATISTICAL TESTS**

LIFE TABLE	P=0.392N	P=0.443	P=0.280	P=0.518N
POLY 3	P=0.381N	P=0.492	P=0.317	P=0.506N
POLY 1.5	P=0.379N	P=0.497	P=0.324	P=0.505N
POLY 6	P=0.380N	P=0.483	P=0.311	P=0.507N
LOGISTIC REGRESSION	P=0.353N	P=0.476	P=0.334	P=0.469N
COCH-ARM / FISHERS	P=0.371N	P=0.500	P=0.339	P=0.500N
ORDER RESTRICTED	P=0.280N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.288N	(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	250 MG/L	500 MG/L	1000 MG/L

Eye  
 Cataract

**LESION RATES**

OVERALL (a)	2/50 (4%)	3/50 (6%)	3/50 (6%)	2/50 (4%)
POLY-3 RATE (b)	2/43.62	3/42.12	3/40.41	2/41.60
POLY-3 PERCENT (g)	4.6%	7.1%	7.4%	4.8%
TERMINAL (d)	1/31 (3%)	3/26 (12%)	2/25 (8%)	2/29 (7%)
FIRST INCIDENCE	601	729 (T)	696	729 (T)

**STATISTICAL TESTS**

LIFE TABLE	P=0.563N	P=0.432	P=0.418	P=0.670
POLY 3	P=0.568N	P=0.484	P=0.465	P=0.677
POLY 1.5	P=0.560N	P=0.493	P=0.479	P=0.683
POLY 6	P=0.575N	P=0.468	P=0.448	P=0.672
LOGISTIC REGRESSION	P=0.563N	P=0.486	P=0.474	P=0.686
COCH-ARM / FISHERS	P=0.544N	P=0.500	P=0.500	P=0.691N
ORDER RESTRICTED	P=0.561	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.569	(e)	(e)	(e)

TDMS No. 96019-05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 WATER DISINFECTION BYPRODUCTS (BROMOCHLOROACETIC ACID)  
 CAS Number: 5589-96-8  
 Pathologist: GILES, H. - HEATH, J. - Blackshear, P.

Date Report Reqsted: 03/28/2006  
 Time Report Reqsted: 15:07:20  
 First Dose M/F: 09/26/01 / 09/26/01  
 Lab: SRI

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

DOSE	Males			
	0 MG/L	250 MG/L	500 MG/L	1000 MG/L

**Harderian Gland  
 Inflammation Chronic**

**LESION RATES**

OVERALL (a)	1/50 (2%)	1/50 (2%)	0/50 (0%)	3/50 (6%)
POLY-3 RATE (b)	1/43.18	1/42.12	0/40.28	3/41.60
POLY-3 PERCENT (g)	2.3%	2.4%	0%	7.2%
TERMINAL (d)	1/31 (3%)	1/26 (4%)	0/25 (0%)	3/29 (10%)
FIRST INCIDENCE	729 (T)	729 (T)	---	729 (T)

**STATISTICAL TESTS**

LIFE TABLE	P=0.158	P=0.723	P=0.543N	P=0.280
POLY 3	P=0.153	P=0.755	P=0.514N	P=0.291
POLY 1.5	P=0.155	P=0.759	P=0.508N	P=0.296
POLY 6	P=0.151	P=0.749	P=0.520N	P=0.288
LOGISTIC REGRESSION	P=0.158	P=0.723	(e)	P=0.280
COCH-ARM / FISHERS	P=0.160	P=0.753N	P=0.500N	P=0.309
ORDER RESTRICTED	P=0.095	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.105	(e)	(e)	(e)

TDMS No. 96019-05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 WATER DISINFECTION BYPRODUCTS (BROMOCHLOROACETIC ACID)  
 CAS Number: 5589-96-8  
 Pathologist: GILES, H. - HEATH, J. - Blackshear, P.

Date Report Reqsted: 03/28/2006  
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 First Dose M/F: 09/26/01 / 09/26/01  
 Lab: SRI

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

DOSE	Males			
	0 MG/L	250 MG/L	500 MG/L	1000 MG/L

**Heart**  
**Cardiomyopathy**

**LESION RATES**

OVERALL (a)	47/50 (94%)	46/50 (92%)	48/50 (96%)	48/50 (96%)
POLY-3 RATE (b)	47/49.53	46/48.11	48/49.44	48/49.14
POLY-3 PERCENT (g)	94.9%	95.6%	97.1%	97.7%
TERMINAL (d)	30/31 (97%)	25/26 (96%)	24/25 (96%)	28/29 (97%)
FIRST INCIDENCE	337	549	321	357

**STATISTICAL TESTS**

LIFE TABLE	P=0.331	P=0.269	P=0.116	P=0.332
POLY 3	P=0.279	P=0.635	P=0.482	P=0.418
POLY 1.5	P=0.272	P=0.657N	P=0.486	P=0.428
POLY 6	P=0.335	P=0.559	P=0.492	P=0.452
LOGISTIC REGRESSION	P=0.245	P=0.472N	P=0.490	P=0.461
COCH-ARM / FISHERS	P=0.319	P=0.500N	P=0.500	P=0.500
ORDER RESTRICTED	P=0.332	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.341	(e)	(e)	(e)

TDMS No. 96019-05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 WATER DISINFECTION BYPRODUCTS (BROMOCHLOROACETIC ACID)  
 CAS Number: 5589-96-8  
 Pathologist: GILES, H. - HEATH, J. - Blackshear, P.

Date Report Reqsted: 03/28/2006  
 Time Report Reqsted: 15:07:20  
 First Dose M/F: 09/26/01 / 09/26/01  
 Lab: SRI

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

DOSE	Males			
	0 MG/L	250 MG/L	500 MG/L	1000 MG/L

**Heart  
Thrombosis**

**LESION RATES**

OVERALL (a)	4/50 (8%)	3/50 (6%)	4/50 (8%)	6/50 (12%)
POLY-3 RATE (b)	4/44.06	3/43.08	4/41.06	6/43.57
POLY-3 PERCENT (g)	9.1%	7%	9.7%	13.8%
TERMINAL (d)	1/31 (3%)	0/26 (0%)	0/25 (0%)	1/29 (3%)
FIRST INCIDENCE	504	555	479	510

**STATISTICAL TESTS**

LIFE TABLE	P=0.231	P=0.547N	P=0.568	P=0.348
POLY 3	P=0.227	P=0.512N	P=0.605	P=0.362
POLY 1.5	P=0.227	P=0.505N	P=0.620	P=0.362
POLY 6	P=0.234	P=0.525N	P=0.585	P=0.367
LOGISTIC REGRESSION	P=0.267	P=0.507N	P=0.624N	P=0.411
COCH-ARM / FISHERS	P=0.233	P=0.500N	P=0.643N	P=0.370
ORDER RESTRICTED	P=0.290	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.297	(e)	(e)	(e)



TDMS No. 96019-05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 WATER DISINFECTION BYPRODUCTS (BROMOCHLOROACETIC ACID)  
 CAS Number: 5589-96-8  
 Pathologist: GILES, H. - HEATH, J. - Blackshear, P.

Date Report Reqsted: 03/28/2006  
 Time Report Reqsted: 15:07:20  
 First Dose M/F: 09/26/01 / 09/26/01  
 Lab: SRI

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

DOSE	Males			
	0 MG/L	250 MG/L	500 MG/L	1000 MG/L

Intestine Large, Cecum  
 Edema

**LESION RATES**

OVERALL (a)	5/48 (10%)	1/48 (2%)	1/47 (2%)	6/49 (12%)
POLY-3 RATE (b)	5/41.67	1/41.40	1/37.92	6/41.94
POLY-3 PERCENT (g)	12%	2.4%	2.6%	14.3%
TERMINAL (d)	4/31 (13%)	0/26 (0%)	1/25 (4%)	2/29 (7%)
FIRST INCIDENCE	715	631	729 (T)	631

**STATISTICAL TESTS**

LIFE TABLE	P=0.261	P=0.146N	P=0.157N	P=0.464
POLY 3	P=0.262	P=0.101N	P=0.123N	P=0.505
POLY 1.5	P=0.264	P=0.101N	P=0.116N	P=0.505
POLY 6	P=0.267	P=0.104N	P=0.131N	P=0.513
LOGISTIC REGRESSION	P=0.258	P=0.108N	P=0.141N	P=0.491
COCH-ARM / FISHERS	P=0.274	P=0.102N	P=0.107N	P=0.515
ORDER RESTRICTED	P=0.107	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.114	(e)	(e)	(e)

TDMS No. 96019-05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 WATER DISINFECTION BYPRODUCTS (BROMOCHLOROACETIC ACID)  
 CAS Number: 5589-96-8  
 Pathologist: GILES, H. - HEATH, J. - Blackshear, P.

Date Report Reqsted: 03/28/2006  
 Time Report Reqsted: 15:07:20  
 First Dose M/F: 09/26/01 / 09/26/01  
 Lab: SRI

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

DOSE	Males			
	0 MG/L	250 MG/L	500 MG/L	1000 MG/L
<b>Kidney Infarct</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/50 (2%)	2/50 (4%)	0/50 (0%)	2/50 (4%)
POLY-3 RATE (b)	1/43.19	2/42.61	0/40.28	2/42.18
POLY-3 PERCENT (g)	2.3%	4.7%	0%	4.7%
TERMINAL (d)	0/31 (0%)	0/26 (0%)	0/25 (0%)	0/29 (0%)
FIRST INCIDENCE	726	609	---	631
<b>STATISTICAL TESTS</b>				
LIFE TABLE	P=0.462	P=0.466	P=0.534N	P=0.489
POLY 3	P=0.459	P=0.495	P=0.514N	P=0.492
POLY 1.5	P=0.462	P=0.499	P=0.508N	P=0.494
POLY 6	P=0.458	P=0.488	P=0.521N	P=0.493
LOGISTIC REGRESSION	P=0.475	P=0.500	P=0.531N	P=0.503
COCH-ARM / FISHERS	P=0.469	P=0.500	P=0.500N	P=0.500
ORDER RESTRICTED	P=0.402	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.411	(e)	(e)	(e)

TDMS No. 96019-05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 WATER DISINFECTION BYPRODUCTS (BROMOCHLOROACETIC ACID)  
 CAS Number: 5589-96-8  
 Pathologist: GILES, H. - HEATH, J. - Blackshear, P.

Date Report Requested: 03/28/2006  
 Time Report Requested: 15:07:20  
 First Dose M/F: 09/26/01 / 09/26/01  
 Lab: SRI

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

DOSE	Males			
	0 MG/L	250 MG/L	500 MG/L	1000 MG/L

**Kidney  
 Nephropathy**

**LESION RATES**

OVERALL (a)	47/50 (94%)	47/50 (94%)	43/50 (86%)	45/50 (90%)
POLY-3 RATE (b)	47/48.29	47/48.91	43/45.41	45/46.26
POLY-3 PERCENT (g)	97.3%	96.1%	94.7%	97.3%
TERMINAL (d)	31/31 (100%)	25/26 (96%)	25/25 (100%)	29/29 (100%)
FIRST INCIDENCE	337	525	479	468

**STATISTICAL TESTS**

LIFE TABLE	P=0.473N	P=0.208	P=0.306	P=0.522
POLY 3	P=0.635	P=0.609N	P=0.427N	P=0.834N
POLY 1.5	P=0.443N	P=0.638N	P=0.281N	P=0.611N
POLY 6	P=0.532	P=0.555N	P=0.766N	P=0.964
LOGISTIC REGRESSION	P=0.551N	P=0.616N	P=0.338N	P=0.673N
COCH-ARM / FISHERS	P=0.226N	P=0.661N	P=0.159N	P=0.357N
ORDER RESTRICTED	P=0.499N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.510N	(e)	(e)	(e)

TDMS No. 96019-05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 WATER DISINFECTION BYPRODUCTS (BROMOCHLOROACETIC ACID)  
 CAS Number: 5589-96-8  
 Pathologist: GILES, H. - HEATH, J. - Blackshear, P.

Date Report Requested: 03/28/2006  
 Time Report Requested: 15:07:20  
 First Dose M/F: 09/26/01 / 09/26/01  
 Lab: SRI

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

DOSE	Males			
	0 MG/L	250 MG/L	500 MG/L	1000 MG/L

**Kidney: Transitional Epithelium  
 Hyperplasia**

**LESION RATES**

OVERALL (a)	1/50 (2%)	0/50 (0%)	0/50 (0%)	2/50 (4%)
POLY-3 RATE (b)	1/43.19	0/42.12	0/40.28	2/41.88
POLY-3 PERCENT (g)	2.3%	0%	0%	4.8%
TERMINAL (d)	0/31 (0%)	0/26 (0%)	0/25 (0%)	1/29 (3%)
FIRST INCIDENCE	726	---	---	652

**STATISTICAL TESTS**

LIFE TABLE	P=0.248	P=0.534N	P=0.534N	P=0.485
POLY 3	P=0.242	P=0.505N	P=0.514N	P=0.489
POLY 1.5	P=0.243	P=0.502N	P=0.508N	P=0.492
POLY 6	P=0.244	P=0.511N	P=0.521N	P=0.488
LOGISTIC REGRESSION	P=0.239	P=0.525N	P=0.531N	P=0.488
COCH-ARM / FISHERS	P=0.246	P=0.500N	P=0.500N	P=0.500
ORDER RESTRICTED	P=0.126	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.135	(e)	(e)	(e)

TDMS No. 96019-05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 WATER DISINFECTION BYPRODUCTS (BROMOCHLOROACETIC ACID)  
 CAS Number: 5589-96-8  
 Pathologist: GILES, H. - HEATH, J. - Blackshear, P.

Date Report Requested: 03/28/2006  
 Time Report Requested: 15:07:20  
 First Dose M/F: 09/26/01 / 09/26/01  
 Lab: SRI

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

DOSE	Males			
	0 MG/L	250 MG/L	500 MG/L	1000 MG/L

**Kidney: Transitional Epithelium  
 Hyperplasia Diffuse**

**LESION RATES**

OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/43.18	0/42.12	0/40.28	0/41.60
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/31 (0%)	0/26 (0%)	0/25 (0%)	0/29 (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. 96019-05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 WATER DISINFECTION BYPRODUCTS (BROMOCHLOROACETIC ACID)  
 CAS Number: 5589-96-8  
 Pathologist: GILES, H. - HEATH, J. - Blackshear, P.

Date Report Reqsted: 03/28/2006  
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 First Dose M/F: 09/26/01 / 09/26/01  
 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	250 MG/L	500 MG/L	1000 MG/L

---

**Kidney: Transitional Epithelium  
 Inflammation Chronic**

**LESION RATES**

OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/43.18	0/42.12	0/40.28	0/41.60
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/31 (0%)	0/26 (0%)	0/25 (0%)	0/29 (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. 96019-05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 WATER DISINFECTION BYPRODUCTS (BROMOCHLOROACETIC ACID)  
 CAS Number: 5589-96-8  
 Pathologist: GILES, H. - HEATH, J. - Blackshear, P.

Date Report Requested: 03/28/2006  
 Time Report Requested: 15:07:20  
 First Dose M/F: 09/26/01 / 09/26/01  
 Lab: SRI

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

DOSE	Males			
	0 MG/L	250 MG/L	500 MG/L	1000 MG/L

Liver  
 Angiectasis

**LESION RATES**

OVERALL (a)	2/50 (4%)	5/50 (10%)	2/50 (4%)	2/50 (4%)
POLY-3 RATE (b)	2/43.95	5/42.12	2/40.28	2/41.95
POLY-3 PERCENT (g)	4.6%	11.9%	5%	4.8%
TERMINAL (d)	0/31 (0%)	5/26 (19%)	2/25 (8%)	1/29 (3%)
FIRST INCIDENCE	609	729 (T)	729 (T)	631

**STATISTICAL TESTS**

LIFE TABLE	P=0.413N	P=0.169	P=0.635	P=0.684
POLY 3	P=0.425N	P=0.198	P=0.662	P=0.677
POLY 1.5	P=0.415N	P=0.208	P=0.675	P=0.683
POLY 6	P=0.436N	P=0.181	P=0.646	P=0.672
LOGISTIC REGRESSION	P=0.414N	P=0.209	P=0.695N	P=0.678N
COCH-ARM / FISHERS	P=0.397N	P=0.218	P=0.691N	P=0.691N
ORDER RESTRICTED	P=0.415N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.427N	(e)	(e)	(e)

TDMS No. 96019-05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 WATER DISINFECTION BYPRODUCTS (BROMOCHLOROACETIC ACID)  
 CAS Number: 5589-96-8  
 Pathologist: GILES, H. - HEATH, J. - Blackshear, P.

Date Report Requested: 03/28/2006  
 Time Report Requested: 15:07:20  
 First Dose M/F: 09/26/01 / 09/26/01  
 Lab: SRI

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

DOSE	Males			
	0 MG/L	250 MG/L	500 MG/L	1000 MG/L

Liver  
 Basophilic Focus

**LESION RATES**

OVERALL (a)	6/50 (12%)	5/50 (10%)	4/50 (8%)	3/50 (6%)
POLY-3 RATE (b)	6/43.18	5/42.32	4/40.28	3/41.78
POLY-3 PERCENT (g)	13.9%	11.8%	9.9%	7.2%
TERMINAL (d)	6/31 (19%)	4/26 (15%)	4/25 (16%)	2/29 (7%)
FIRST INCIDENCE	729 (T)	679	729 (T)	682

**STATISTICAL TESTS**

LIFE TABLE	P=0.198N	P=0.620N	P=0.510N	P=0.272N
POLY 3	P=0.192N	P=0.514N	P=0.413N	P=0.257N
POLY 1.5	P=0.190N	P=0.505N	P=0.396N	P=0.253N
POLY 6	P=0.191N	P=0.532N	P=0.434N	P=0.258N
LOGISTIC REGRESSION	P=0.196N	P=0.581N	P=0.510N	P=0.266N
COCH-ARM / FISHERS	P=0.179N	P=0.500N	P=0.370N	P=0.243N
ORDER RESTRICTED	P=0.250N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.261N	(e)	(e)	(e)



TDMS No. 96019-05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 WATER DISINFECTION BYPRODUCTS (BROMOCHLOROACETIC ACID)  
 CAS Number: 5589-96-8  
 Pathologist: GILES, H. - HEATH, J. - Blackshear, P.

Date Report Requested: 03/28/2006  
 Time Report Requested: 15:07:20  
 First Dose M/F: 09/26/01 / 09/26/01  
 Lab: SRI

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

DOSE	Males			
	0 MG/L	250 MG/L	500 MG/L	1000 MG/L

Liver  
 Clear Cell Focus

**LESION RATES**

OVERALL (a)	22/50 (44%)	21/50 (42%)	23/50 (46%)	20/50 (40%)
POLY-3 RATE (b)	22/43.82	21/42.66	23/41.28	20/42.97
POLY-3 PERCENT (g)	50.2%	49.2%	55.7%	46.6%
TERMINAL (d)	19/31 (61%)	18/26 (69%)	20/25 (80%)	18/29 (62%)
FIRST INCIDENCE	647	618	596	468

**STATISTICAL TESTS**

LIFE TABLE	P=0.471N	P=0.368	P=0.140	P=0.535N
POLY 3	P=0.430N	P=0.551N	P=0.381	P=0.449N
POLY 1.5	P=0.425N	P=0.519N	P=0.429	P=0.439N
POLY 6	P=0.428N	P=0.570	P=0.320	P=0.462N
LOGISTIC REGRESSION	P=0.472N	P=0.507	P=0.261	P=0.494N
COCH-ARM / FISHERS	P=0.405N	P=0.500N	P=0.500	P=0.420N
ORDER RESTRICTED	P=0.488N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.496N	(e)	(e)	(e)

TDMS No. 96019-05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 WATER DISINFECTION BYPRODUCTS (BROMOCHLOROACETIC ACID)  
 CAS Number: 5589-96-8  
 Pathologist: GILES, H. - HEATH, J. - Blackshear, P.

Date Report Reqsted: 03/28/2006  
 Time Report Reqsted: 15:07:20  
 First Dose M/F: 09/26/01 / 09/26/01  
 Lab: SRI

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

DOSE	Males			
	0 MG/L	250 MG/L	500 MG/L	1000 MG/L

Liver  
 Degeneration Cystic

**LESION RATES**

OVERALL (a)	13/50 (26%)	13/50 (26%)	12/50 (24%)	18/50 (36%)
POLY-3 RATE (b)	13/43.64	13/44.90	12/40.91	18/42.49
POLY-3 PERCENT (g)	29.8%	29%	29.3%	42.4%
TERMINAL (d)	11/31 (36%)	6/26 (23%)	9/25 (36%)	12/29 (41%)
FIRST INCIDENCE	631	540	549	631

**STATISTICAL TESTS**

LIFE TABLE	P=0.133	P=0.442	P=0.460	P=0.148
POLY 3	P=0.102	P=0.559N	P=0.577N	P=0.157
POLY 1.5	P=0.115	P=0.568N	P=0.546N	P=0.167
POLY 6	P=0.094	P=0.553N	P=0.577	P=0.152
LOGISTIC REGRESSION	P=0.112	P=0.582	P=0.554	P=0.141
COCH-ARM / FISHERS	P=0.143	P=0.590N	P=0.500N	P=0.194
ORDER RESTRICTED	P=0.147	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.157	(e)	(e)	(e)

TDMS No. 96019-05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 WATER DISINFECTION BYPRODUCTS (BROMOCHLOROACETIC ACID)  
 CAS Number: 5589-96-8  
 Pathologist: GILES, H. - HEATH, J. - Blackshear, P.

Date Report Requested: 03/28/2006  
 Time Report Requested: 15:07:20  
 First Dose M/F: 09/26/01 / 09/26/01  
 Lab: SRI

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

DOSE	Males			
	0 MG/L	250 MG/L	500 MG/L	1000 MG/L

Liver  
 Eosinophilic Focus

**LESION RATES**

OVERALL (a)	2/50 (4%)	5/50 (10%)	4/50 (8%)	8/50 (16%)
POLY-3 RATE (b)	2/43.55	5/42.61	4/40.28	8/41.93
POLY-3 PERCENT (g)	4.6%	11.7%	9.9%	19.1%
TERMINAL (d)	0/31 (0%)	3/26 (12%)	4/25 (16%)	6/29 (21%)
FIRST INCIDENCE	631	631	729 (T)	652

**STATISTICAL TESTS**

LIFE TABLE	P=0.041*	P=0.175	P=0.257	P=0.044*
POLY 3	P=0.031*	P=0.206	P=0.301	P=0.038*
POLY 1.5	P=0.034*	P=0.213	P=0.316	P=0.040*
POLY 6	P=0.030*	P=0.195	P=0.283	P=0.036*
LOGISTIC REGRESSION	P=0.034*	P=0.211	P=0.289	P=0.040*
COCH-ARM / FISHERS	P=0.040*	P=0.218	P=0.339	P=0.046*
ORDER RESTRICTED	P=0.021*	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.026*	(e)	(e)	(e)

TDMS No. 96019-05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 WATER DISINFECTION BYPRODUCTS (BROMOCHLOROACETIC ACID)  
 CAS Number: 5589-96-8  
 Pathologist: GILES, H. - HEATH, J. - Blackshear, P.

Date Report Reqsted: 03/28/2006  
 Time Report Reqsted: 15:07:20  
 First Dose M/F: 09/26/01 / 09/26/01  
 Lab: SRI

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

DOSE	Males			
	0 MG/L	250 MG/L	500 MG/L	1000 MG/L

Liver  
 Hepatodiaphragmatic Nodule

**LESION RATES**

OVERALL (a)	11/50 (22%)	13/50 (26%)	7/50 (14%)	4/50 (8%)
POLY-3 RATE (b)	11/44.74	13/44.02	7/42.45	4/42.26
POLY-3 PERCENT (g)	24.6%	29.5%	16.5%	9.5%
TERMINAL (d)	6/31 (19%)	6/26 (23%)	1/25 (4%)	3/29 (10%)
FIRST INCIDENCE	525	540	321	510

**STATISTICAL TESTS**

LIFE TABLE	P=0.029N*	P=0.298	P=0.346N	P=0.071N
POLY 3	P=0.018N*	P=0.387	P=0.251N	P=0.054N
POLY 1.5	P=0.017N*	P=0.400	P=0.236N	P=0.050N*
POLY 6	P=0.020N*	P=0.366	P=0.272N	P=0.059N
LOGISTIC REGRESSION	P=0.014N*	P=0.405	P=0.189N	P=0.047N*
COCH-ARM / FISHERS	P=0.015N*	P=0.408	P=0.218N	P=0.045N*
ORDER RESTRICTED	P=0.025N*	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.028N*	(e)	(e)	(e)

TDMS No. 96019-05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 WATER DISINFECTION BYPRODUCTS (BROMOCHLOROACETIC ACID)  
 CAS Number: 5589-96-8  
 Pathologist: GILES, H. - HEATH, J. - Blackshear, P.

Date Report Reqsted: 03/28/2006  
 Time Report Reqsted: 15:07:20  
 First Dose M/F: 09/26/01 / 09/26/01  
 Lab: SRI

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

DOSE	Males			
	0 MG/L	250 MG/L	500 MG/L	1000 MG/L

Liver  
 Inflammation Chronic

**LESION RATES**

OVERALL (a)	10/50 (20%)	12/50 (24%)	12/50 (24%)	8/50 (16%)
POLY-3 RATE (b)	10/43.24	12/42.12	12/40.28	8/42.31
POLY-3 PERCENT (g)	23.1%	28.5%	29.8%	18.9%
TERMINAL (d)	9/31 (29%)	12/26 (46%)	12/25 (48%)	5/29 (17%)
FIRST INCIDENCE	715	729 (T)	729 (T)	631

**STATISTICAL TESTS**

LIFE TABLE	P=0.326N	P=0.219	P=0.188	P=0.451N
POLY 3	P=0.315N	P=0.374	P=0.328	P=0.415N
POLY 1.5	P=0.315N	P=0.393	P=0.359	P=0.412N
POLY 6	P=0.300N	P=0.340	P=0.290	P=0.410N
LOGISTIC REGRESSION	P=0.330N	P=0.236	P=0.224	P=0.440N
COCH-ARM / FISHERS	P=0.299N	P=0.405	P=0.405	P=0.398N
ORDER RESTRICTED	P=0.297N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.307N	(e)	(e)	(e)

TDMS No. 96019-05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 WATER DISINFECTION BYPRODUCTS (BROMOCHLOROACETIC ACID)  
 CAS Number: 5589-96-8  
 Pathologist: GILES, H. - HEATH, J. - Blackshear, P.

Date Report Reqsted: 03/28/2006  
 Time Report Reqsted: 15:07:20  
 First Dose M/F: 09/26/01 / 09/26/01  
 Lab: SRI

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

DOSE	Males			
	0 MG/L	250 MG/L	500 MG/L	1000 MG/L

Liver  
 Mixed Cell Focus

**LESION RATES**

OVERALL (a)	4/50 (8%)	3/50 (6%)	4/50 (8%)	2/50 (4%)
POLY-3 RATE (b)	4/43.41	3/42.12	4/41.28	2/41.60
POLY-3 PERCENT (g)	9.2%	7.1%	9.7%	4.8%
TERMINAL (d)	3/31 (10%)	3/26 (12%)	2/25 (8%)	2/29 (7%)
FIRST INCIDENCE	668	729 (T)	561	729 (T)

**STATISTICAL TESTS**

LIFE TABLE	P=0.322N	P=0.586N	P=0.547	P=0.367N
POLY 3	P=0.315N	P=0.516N	P=0.616	P=0.357N
POLY 1.5	P=0.310N	P=0.507N	P=0.626	P=0.350N
POLY 6	P=0.317N	P=0.535N	P=0.604	P=0.363N
LOGISTIC REGRESSION	P=0.314N	P=0.549N	P=0.633	P=0.359N
COCH-ARM / FISHERS	P=0.297N	P=0.500N	P=0.643N	P=0.339N
ORDER RESTRICTED	P=0.356N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.368N	(e)	(e)	(e)

TDMS No. 96019-05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 WATER DISINFECTION BYPRODUCTS (BROMOCHLOROACETIC ACID)  
 CAS Number: 5589-96-8  
 Pathologist: GILES, H. - HEATH, J. - Blackshear, P.

Date Report Reqsted: 03/28/2006  
 Time Report Reqsted: 15:07:20  
 First Dose M/F: 09/26/01 / 09/26/01  
 Lab: SRI

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

DOSE	Males			
	0 MG/L	250 MG/L	500 MG/L	1000 MG/L

Liver  
 Necrosis Focal

**LESION RATES**

OVERALL (a)	0/50 (0%)	2/50 (4%)	2/50 (4%)	0/50 (0%)
POLY-3 RATE (b)	0/43.18	2/42.12	2/41.25	0/41.60
POLY-3 PERCENT (g)	0%	4.8%	4.9%	0%
TERMINAL (d)	0/31 (0%)	2/26 (8%)	0/25 (0%)	0/29 (0%)
FIRST INCIDENCE	---	729 (T)	450	---

**STATISTICAL TESTS**

LIFE TABLE	P=0.509N	P=0.200	P=0.225	(e)
POLY 3	P=0.518N	P=0.231	P=0.227	(e)
POLY 1.5	P=0.512N	P=0.235	P=0.231	(e)
POLY 6	P=0.523N	P=0.225	P=0.222	(e)
LOGISTIC REGRESSION	P=0.479N	P=0.200	P=0.292	(e)
COCH-ARM / FISHERS	P=0.500N	P=0.247	P=0.247	(e)
ORDER RESTRICTED	P=0.262	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.274	(e)	(e)	(e)

TDMS No. 96019-05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 WATER DISINFECTION BYPRODUCTS (BROMOCHLOROACETIC ACID)  
 CAS Number: 5589-96-8  
 Pathologist: GILES, H. - HEATH, J. - Blackshear, P.

Date Report Requested: 03/28/2006  
 Time Report Requested: 15:07:20  
 First Dose M/F: 09/26/01 / 09/26/01  
 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	250 MG/L	500 MG/L	1000 MG/L

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Liver: Bile Duct  
 Hyperplasia

**LESION RATES**

OVERALL (a)	45/50 (90%)	49/50 (98%)	46/50 (92%)	44/50 (88%)
POLY-3 RATE (b)	45/47.66	49/49.67	46/47.85	44/46.89
POLY-3 PERCENT (g)	94.4%	98.7%	96.1%	93.8%
TERMINAL (d)	30/31 (97%)	26/26 (100%)	25/25 (100%)	27/29 (93%)
FIRST INCIDENCE	525	504	366	434

**STATISTICAL TESTS**

LIFE TABLE	P=0.493N	P=0.075	P=0.099	P=0.460
POLY 3	P=0.391N	P=0.242	P=0.542	P=0.641N
POLY 1.5	P=0.335N	P=0.172	P=0.512	P=0.597N
POLY 6	P=0.390N	P=0.343	P=0.608	P=0.632N
LOGISTIC REGRESSION	P=0.443N	P=0.111	P=0.281	P=0.572
COCH-ARM / FISHERS	P=0.240N	P=0.102	P=0.500	P=0.500N
ORDER RESTRICTED	P=0.354N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.361N	(e)	(e)	(e)

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TDMS No. 96019-05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 WATER DISINFECTION BYPRODUCTS (BROMOCHLOROACETIC ACID)  
 CAS Number: 5589-96-8  
 Pathologist: GILES, H. - HEATH, J. - Blackshear, P.

Date Report Requested: 03/28/2006  
 Time Report Requested: 15:07:20  
 First Dose M/F: 09/26/01 / 09/26/01  
 Lab: SRI

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

DOSE	Males			
	0 MG/L	250 MG/L	500 MG/L	1000 MG/L

Liver: Centrilobular  
 Necrosis

**LESION RATES**

OVERALL (a)	4/50 (8%)	7/50 (14%)	8/50 (16%)	8/50 (16%)
POLY-3 RATE (b)	4/43.49	7/44.19	8/41.67	8/43.60
POLY-3 PERCENT (g)	9.2%	15.8%	19.2%	18.4%
TERMINAL (d)	1/31 (3%)	0/26 (0%)	1/25 (4%)	1/29 (3%)
FIRST INCIDENCE	679	555	549	521

**STATISTICAL TESTS**

LIFE TABLE	P=0.178	P=0.227	P=0.133	P=0.172
POLY 3	P=0.166	P=0.269	P=0.154	P=0.176
POLY 1.5	P=0.165	P=0.268	P=0.162	P=0.174
POLY 6	P=0.175	P=0.268	P=0.146	P=0.184
LOGISTIC REGRESSION	P=0.181	P=0.262	P=0.160	P=0.182
COCH-ARM / FISHERS	P=0.172	P=0.262	P=0.178	P=0.178
ORDER RESTRICTED	P=0.167	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.173	(e)	(e)	(e)

TDMS No. 96019-05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 WATER DISINFECTION BYPRODUCTS (BROMOCHLOROACETIC ACID)  
 CAS Number: 5589-96-8  
 Pathologist: GILES, H. - HEATH, J. - Blackshear, P.

Date Report Reqsted: 03/28/2006  
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 First Dose M/F: 09/26/01 / 09/26/01  
 Lab: SRI

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

DOSE	Males			
	0 MG/L	250 MG/L	500 MG/L	1000 MG/L

Liver: Hepatocyte  
 Vacuolization Cytoplasmic

**LESION RATES**

OVERALL (a)	3/50 (6%)	6/50 (12%)	3/50 (6%)	2/50 (4%)
POLY-3 RATE (b)	3/44.08	6/43.76	3/41.10	2/42.51
POLY-3 PERCENT (g)	6.8%	13.7%	7.3%	4.7%
TERMINAL (d)	2/31 (7%)	0/26 (0%)	1/25 (4%)	0/29 (0%)
FIRST INCIDENCE	337	504	479	556

**STATISTICAL TESTS**

LIFE TABLE	P=0.283N	P=0.212	P=0.595	P=0.516N
POLY 3	P=0.278N	P=0.237	P=0.630	P=0.517N
POLY 1.5	P=0.272N	P=0.240	P=0.641	P=0.513N
POLY 6	P=0.278N	P=0.234	P=0.618	P=0.516N
LOGISTIC REGRESSION	P=0.200N	P=0.223	P=0.598N	P=0.427N
COCH-ARM / FISHERS	P=0.256N	P=0.243	P=0.661N	P=0.500N
ORDER RESTRICTED	P=0.273N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.285N	(e)	(e)	(e)

TDMS No. 96019-05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 WATER DISINFECTION BYPRODUCTS (BROMOCHLOROACETIC ACID)  
 CAS Number: 5589-96-8  
 Pathologist: GILES, H. - HEATH, J. - Blackshear, P.

Date Report Reqsted: 03/28/2006  
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 First Dose M/F: 09/26/01 / 09/26/01  
 Lab: SRI

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

DOSE	Males			
	0 MG/L	250 MG/L	500 MG/L	1000 MG/L

Lung  
 Congestion

**LESION RATES**

OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/43.18	0/42.12	0/40.28	0/41.60
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/31 (0%)	0/26 (0%)	0/25 (0%)	0/29 (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. 96019-05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 WATER DISINFECTION BYPRODUCTS (BROMOCHLOROACETIC ACID)  
 CAS Number: 5589-96-8  
 Pathologist: GILES, H. - HEATH, J. - Blackshear, P.

Date Report Reqsted: 03/28/2006  
 Time Report Reqsted: 15:07:20  
 First Dose M/F: 09/26/01 / 09/26/01  
 Lab: SRI

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

DOSE	Males			
	0 MG/L	250 MG/L	500 MG/L	1000 MG/L

Lung  
 Hemorrhage

**LESION RATES**

OVERALL (a)	2/50 (4%)	2/50 (4%)	0/50 (0%)	3/50 (6%)
POLY-3 RATE (b)	2/43.18	2/42.48	0/40.28	3/42.45
POLY-3 PERCENT (g)	4.6%	4.7%	0%	7.1%
TERMINAL (d)	2/31 (7%)	1/26 (4%)	0/25 (0%)	1/29 (3%)
FIRST INCIDENCE	729 (T)	631	---	468

**STATISTICAL TESTS**

LIFE TABLE	P=0.410	P=0.641	P=0.286N	P=0.470
POLY 3	P=0.414	P=0.688	P=0.253N	P=0.492
POLY 1.5	P=0.416	P=0.692	P=0.247N	P=0.494
POLY 6	P=0.414	P=0.681	P=0.260N	P=0.493
LOGISTIC REGRESSION	P=0.425	P=0.684	(e)	P=0.507
COCH-ARM / FISHERS	P=0.423	P=0.691N	P=0.247N	P=0.500
ORDER RESTRICTED	P=0.289	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.297	(e)	(e)	(e)

TDMS No. 96019-05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 WATER DISINFECTION BYPRODUCTS (BROMOCHLOROACETIC ACID)  
 CAS Number: 5589-96-8  
 Pathologist: GILES, H. - HEATH, J. - Blackshear, P.

Date Report Reqsted: 03/28/2006  
 Time Report Reqsted: 15:07:20  
 First Dose M/F: 09/26/01 / 09/26/01  
 Lab: SRI

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

DOSE	Males			
	0 MG/L	250 MG/L	500 MG/L	1000 MG/L

Lung  
 Infiltration Cellular Histiocyte

**LESION RATES**

OVERALL (a)	24/50 (48%)	23/50 (46%)	27/50 (54%)	25/50 (50%)
POLY-3 RATE (b)	24/45.92	23/43.52	27/43.86	25/42.58
POLY-3 PERCENT (g)	52.3%	52.8%	61.6%	58.7%
TERMINAL (d)	16/31 (52%)	17/26 (65%)	17/25 (68%)	20/29 (69%)
FIRST INCIDENCE	337	504	321	588

**STATISTICAL TESTS**

LIFE TABLE	P=0.334	P=0.396	P=0.122	P=0.387
POLY 3	P=0.249	P=0.564	P=0.243	P=0.343
POLY 1.5	P=0.298	P=0.555N	P=0.281	P=0.399
POLY 6	P=0.207	P=0.480	P=0.202	P=0.286
LOGISTIC REGRESSION	P=0.314	P=0.540N	P=0.282	P=0.423
COCH-ARM / FISHERS	P=0.396	P=0.500N	P=0.345	P=0.500
ORDER RESTRICTED	P=0.348	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.366	(e)	(e)	(e)

TDMS No. 96019-05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 WATER DISINFECTION BYPRODUCTS (BROMOCHLOROACETIC ACID)  
 CAS Number: 5589-96-8  
 Pathologist: GILES, H. - HEATH, J. - Blackshear, P.

Date Report Requested: 03/28/2006  
 Time Report Requested: 15:07:20  
 First Dose M/F: 09/26/01 / 09/26/01  
 Lab: SRI

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

DOSE	Males			
	0 MG/L	250 MG/L	500 MG/L	1000 MG/L

**Lung**  
**Inflammation Chronic**

**LESION RATES**

OVERALL (a)	5/50 (10%)	3/50 (6%)	7/50 (14%)	6/50 (12%)
POLY-3 RATE (b)	5/43.18	3/42.19	7/40.29	6/41.60
POLY-3 PERCENT (g)	11.6%	7.1%	17.4%	14.4%
TERMINAL (d)	5/31 (16%)	2/26 (8%)	6/25 (24%)	6/29 (21%)
FIRST INCIDENCE	729 (T)	713	727	729 (T)

**STATISTICAL TESTS**

LIFE TABLE	P=0.285	P=0.452N	P=0.237	P=0.452
POLY 3	P=0.281	P=0.369N	P=0.329	P=0.474
POLY 1.5	P=0.288	P=0.361N	P=0.349	P=0.482
POLY 6	P=0.279	P=0.383N	P=0.306	P=0.467
LOGISTIC REGRESSION	P=0.280	P=0.431N	P=0.253	P=0.452
COCH-ARM / FISHERS	P=0.306	P=0.357N	P=0.380	P=0.500
ORDER RESTRICTED	P=0.287	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.300	(e)	(e)	(e)

TDMS No. 96019-05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 WATER DISINFECTION BYPRODUCTS (BROMOCHLOROACETIC ACID)  
 CAS Number: 5589-96-8  
 Pathologist: GILES, H. - HEATH, J. - Blackshear, P.

Date Report Reqsted: 03/28/2006  
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 Lab: SRI

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

DOSE	Males			
	0 MG/L	250 MG/L	500 MG/L	1000 MG/L

**Lung: Alveolar Epithelium  
 Hyperplasia**

**LESION RATES**

OVERALL (a)	7/50 (14%)	14/50 (28%)	14/50 (28%)	10/50 (20%)
POLY-3 RATE (b)	7/43.18	14/44.00	14/41.24	10/42.54
POLY-3 PERCENT (g)	16.2%	31.8%	34%	23.5%
TERMINAL (d)	7/31 (23%)	9/26 (35%)	8/25 (32%)	8/29 (28%)
FIRST INCIDENCE	729 (T)	555	646	510

**STATISTICAL TESTS**

LIFE TABLE	P=0.369	P=0.033*	P=0.027*	P=0.246
POLY 3	P=0.364	P=0.070	P=0.048*	P=0.282
POLY 1.5	P=0.372	P=0.070	P=0.055	P=0.285
POLY 6	P=0.365	P=0.068	P=0.042*	P=0.283
LOGISTIC REGRESSION	P=0.355	P=0.059	P=0.032*	P=0.261
COCH-ARM / FISHERS	P=0.398	P=0.070	P=0.070	P=0.298
ORDER RESTRICTED	P=0.112	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.119	(e)	(e)	(e)

TDMS No. 96019-05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 WATER DISINFECTION BYPRODUCTS (BROMOCHLOROACETIC ACID)  
 CAS Number: 5589-96-8  
 Pathologist: GILES, H. - HEATH, J. - Blackshear, P.

Date Report Reqsted: 03/28/2006  
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 First Dose M/F: 09/26/01 / 09/26/01  
 Lab: SRI

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

DOSE	Males			
	0 MG/L	250 MG/L	500 MG/L	1000 MG/L

**Lymph Node, Mesenteric  
 Hyperplasia Lymphoid**

**LESION RATES**

OVERALL (a)	0/50 (0%)	9/50 (18%)	4/50 (8%)	0/50 (0%)
POLY-3 RATE (b)	0/43.18	9/42.99	4/40.33	0/41.60
POLY-3 PERCENT (g)	0%	20.9%	9.9%	0%
TERMINAL (d)	0/31 (0%)	7/26 (27%)	3/25 (12%)	0/29 (0%)
FIRST INCIDENCE	---	504	717	---

**STATISTICAL TESTS**

LIFE TABLE	P=0.198N	P<0.001**	P=0.042*	(e)
POLY 3	P=0.191N	P=0.002**	P=0.051	(e)
POLY 1.5	P=0.184N	P=0.002**	P=0.055	(e)
POLY 6	P=0.198N	P<0.001**	P=0.048*	(e)
LOGISTIC REGRESSION	P=0.193N	P=0.002**	P=0.043*	(e)
COCH-ARM / FISHERS	P=0.178N	P<0.001**	P=0.059	(e)
ORDER RESTRICTED	P=0.041N*	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.050N*	(e)	(e)	(e)



TDMS No. 96019-05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 WATER DISINFECTION BYPRODUCTS (BROMOCHLOROACETIC ACID)  
 CAS Number: 5589-96-8  
 Pathologist: GILES, H. - HEATH, J. - Blackshear, P.

Date Report Requested: 03/28/2006  
 Time Report Requested: 15:07:20  
 First Dose M/F: 09/26/01 / 09/26/01  
 Lab: SRI

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

DOSE	Males			
	0 MG/L	250 MG/L	500 MG/L	1000 MG/L

**Lymph Node: Mediastinal Hemorrhage**

**LESION RATES**

OVERALL (a)	0/14 (0%)	6/31 (19%)	1/19 (5%)	4/25 (16%)
POLY-3 RATE (b)	0/11.70	6/27.25	1/16.18	4/21.31
POLY-3 PERCENT (g)	0%	22%	6.2%	18.8%
TERMINAL (d)	0/7 (0%)	2/15 (13%)	0/8 (0%)	1/10 (10%)
FIRST INCIDENCE	---	555	607	510

**STATISTICAL TESTS**

LIFE TABLE	P=0.210	P=0.032*	P=0.481	P=0.073
POLY 3	P=0.321	P=0.101	P=0.565	P=0.150
POLY 1.5	P=0.317	P=0.098	P=0.563	P=0.149
POLY 6	P=0.332	P=0.105	P=0.567	P=0.155
LOGISTIC REGRESSION	P=0.393	P=0.096	P=0.547	P=0.180
COCH-ARM / FISHERS	P=0.319	P=0.090	P=0.576	P=0.154
ORDER RESTRICTED	P=0.158	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.157	(e)	(e)	(e)

TDMS No. 96019-05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 WATER DISINFECTION BYPRODUCTS (BROMOCHLOROACETIC ACID)  
 CAS Number: 5589-96-8  
 Pathologist: GILES, H. - HEATH, J. - Blackshear, P.

Date Report Requested: 03/28/2006  
 Time Report Requested: 15:07:20  
 First Dose M/F: 09/26/01 / 09/26/01  
 Lab: SRI

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

DOSE	Males			
	0 MG/L	250 MG/L	500 MG/L	1000 MG/L

**Lymph Node: Mediastinal  
 Hyperplasia Lymphoid**

**LESION RATES**

OVERALL (a)	6/14 (43%)	8/31 (26%)	9/19 (47%)	7/25 (28%)
POLY-3 RATE (b)	6/12.57	8/26.63	9/16.18	7/20.91
POLY-3 PERCENT (g)	47.8%	30.1%	55.6%	33.5%
TERMINAL (d)	4/7 (57%)	7/15 (47%)	7/8 (88%)	3/10 (30%)
FIRST INCIDENCE	504	576	609	630

**STATISTICAL TESTS**

LIFE TABLE	P=0.494	P=0.371N	P=0.288	P=0.606N
POLY 3	P=0.424N	P=0.229N	P=0.483	P=0.322N
POLY 1.5	P=0.417N	P=0.222N	P=0.508	P=0.310N
POLY 6	P=0.405N	P=0.245N	P=0.446	P=0.323N
LOGISTIC REGRESSION	P=0.441N	P=0.205N	P=0.525	P=0.302N
COCH-ARM / FISHERS	P=0.380N	P=0.212N	P=0.539	P=0.276N
ORDER RESTRICTED	P=0.364N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.356N	(e)	(e)	(e)

TDMS No. 96019-05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 WATER DISINFECTION BYPRODUCTS (BROMOCHLOROACETIC ACID)  
 CAS Number: 5589-96-8  
 Pathologist: GILES, H. - HEATH, J. - Blackshear, P.

Date Report Requested: 03/28/2006  
 Time Report Requested: 15:07:20  
 First Dose M/F: 09/26/01 / 09/26/01  
 Lab: SRI

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

DOSE	Males			
	0 MG/L	250 MG/L	500 MG/L	1000 MG/L

Lymph Node: Pancreatic  
 Hyperplasia Lymphoid

**LESION RATES**

OVERALL (a)	0/14 (0%)	4/31 (13%)	4/19 (21%)	0/25 (0%)
POLY-3 RATE (b)	0/11.70	4/26.12	4/15.82	0/19.86
POLY-3 PERCENT (g)	0%	15.3%	25.3%	0%
TERMINAL (d)	0/7 (0%)	4/15 (27%)	2/8 (25%)	0/10 (0%)
FIRST INCIDENCE	---	729 (T)	717	---

**STATISTICAL TESTS**

LIFE TABLE	P=0.382N	P=0.185	P=0.064	(e)
POLY 3	P=0.314N	P=0.198	P=0.087	(e)
POLY 1.5	P=0.305N	P=0.200	P=0.090	(e)
POLY 6	P=0.319N	P=0.194	P=0.083	(e)
LOGISTIC REGRESSION	P=0.328N	P=0.185	P=0.087	(e)
COCH-ARM / FISHERS	P=0.287N	P=0.211	P=0.095	(e)
ORDER RESTRICTED	P=0.195N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.184N	(e)	(e)	(e)

TDMS No. 96019-05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 WATER DISINFECTION BYPRODUCTS (BROMOCHLOROACETIC ACID)  
 CAS Number: 5589-96-8  
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 Lab: SRI

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

DOSE	Males			
	0 MG/L	250 MG/L	500 MG/L	1000 MG/L

**Mammary Gland  
 Cyst**

**LESION RATES**

OVERALL (a)	21/50 (42%)	14/50 (28%)	16/50 (32%)	18/50 (36%)
POLY-3 RATE (b)	21/45.10	14/44.96	16/43.20	18/42.12
POLY-3 PERCENT (g)	46.6%	31.1%	37%	42.7%
TERMINAL (d)	16/31 (52%)	5/26 (19%)	8/25 (32%)	14/29 (48%)
FIRST INCIDENCE	525	596	575	674

**STATISTICAL TESTS**

LIFE TABLE	P=0.486N	P=0.231N	P=0.443N	P=0.435N
POLY 3	P=0.533N	P=0.095N	P=0.242N	P=0.442N
POLY 1.5	P=0.496N	P=0.097N	P=0.229N	P=0.403N
POLY 6	P=0.515	P=0.094N	P=0.248N	P=0.483N
LOGISTIC REGRESSION	P=0.476N	P=0.107N	P=0.246N	P=0.401N
COCH-ARM / FISHERS	P=0.430N	P=0.104N	P=0.204N	P=0.341N
ORDER RESTRICTED	P=0.275N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.293N	(e)	(e)	(e)

TDMS No. 96019-05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 WATER DISINFECTION BYPRODUCTS (BROMOCHLOROACETIC ACID)  
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 Lab: SRI

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

DOSE	Males			
	0 MG/L	250 MG/L	500 MG/L	1000 MG/L

**Mammary Gland  
 Hyperplasia**

**LESION RATES**

OVERALL (a)	2/50 (4%)	0/50 (0%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	2/43.18	0/42.12	0/40.28	1/41.60
POLY-3 PERCENT (g)	4.6%	0%	0%	2.4%
TERMINAL (d)	2/31 (7%)	0/26 (0%)	0/25 (0%)	1/29 (3%)
FIRST INCIDENCE	729 (T)	---	---	729 (T)

**STATISTICAL TESTS**

LIFE TABLE	P=0.471N	P=0.277N	P=0.286N	P=0.523N
POLY 3	P=0.461N	P=0.242N	P=0.253N	P=0.513N
POLY 1.5	P=0.462N	P=0.239N	P=0.247N	P=0.509N
POLY 6	P=0.459N	P=0.249N	P=0.260N	P=0.516N
LOGISTIC REGRESSION	P=0.471N	(e)	(e)	P=0.523N
COCH-ARM / FISHERS	P=0.461N	P=0.247N	P=0.247N	P=0.500N
ORDER RESTRICTED	P=0.141N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.152N	(e)	(e)	(e)

TDMS No. 96019-05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 WATER DISINFECTION BYPRODUCTS (BROMOCHLOROACETIC ACID)  
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 Lab: SRI

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

DOSE	Males			
	0 MG/L	250 MG/L	500 MG/L	1000 MG/L

Mesentery: Fat  
 Necrosis

**LESION RATES**

OVERALL (a)	6/6 (100%)	8/16 (50%)	9/15 (60%)	9/15 (60%)
POLY-3 RATE (b)	6/6.00	8/13.59	9/12.95	9/13.58
POLY-3 PERCENT (g)	100%	58.9%	69.5%	66.3%
TERMINAL (d)	4/4 (100%)	6/8 (75%)	6/6 (100%)	5/7 (71%)
FIRST INCIDENCE	701	618	321	434

**STATISTICAL TESTS**

LIFE TABLE	P=0.385	P=0.475N	P=0.462	P=0.545
POLY 3	P=0.264N	P=0.059N	P=0.140N	P=0.117N
POLY 1.5	P=0.283N	P=0.045N*	P=0.110N	P=0.101N
POLY 6	P=0.258N	P=0.095N	P=0.211N	P=0.156N
LOGISTIC REGRESSION	P=0.402N	P=0.154N	P=0.144N	P=0.110N
COCH-ARM / FISHERS	P=0.323N	P=0.040N*	P=0.092N	P=0.092N
ORDER RESTRICTED	P=0.144N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.100N	(e)	(e)	(e)

TDMS No. 96019-05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 WATER DISINFECTION BYPRODUCTS (BROMOCHLOROACETIC ACID)  
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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	Males			
	0 MG/L	250 MG/L	500 MG/L	1000 MG/L

---

Nose  
 Foreign Body

**LESION RATES**

OVERALL (a)	14/50 (28%)	9/50 (18%)	14/50 (28%)	18/50 (36%)
POLY-3 RATE (b)	14/44.31	9/43.79	14/42.95	18/44.21
POLY-3 PERCENT (g)	31.6%	20.6%	32.6%	40.7%
TERMINAL (d)	10/31 (32%)	3/26 (12%)	8/25 (32%)	12/29 (41%)
FIRST INCIDENCE	525	596	479	468

**STATISTICAL TESTS**

LIFE TABLE	P=0.101	P=0.288N	P=0.380	P=0.209
POLY 3	P=0.094	P=0.172N	P=0.552	P=0.249
POLY 1.5	P=0.095	P=0.169N	P=0.563	P=0.249
POLY 6	P=0.100	P=0.179N	P=0.542	P=0.257
LOGISTIC REGRESSION	P=0.095	P=0.177N	P=0.550	P=0.235
COCH-ARM / FISHERS	P=0.104	P=0.171N	P=0.588N	P=0.260
ORDER RESTRICTED	P=0.099	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.103	(e)	(e)	(e)

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TDMS No. 96019-05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 WATER DISINFECTION BYPRODUCTS (BROMOCHLOROACETIC ACID)  
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 Pathologist: GILES, H. - HEATH, J. - Blackshear, P.

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 Lab: SRI

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

DOSE	Males			
	0 MG/L	250 MG/L	500 MG/L	1000 MG/L

**Nose**  
**Inflammation Chronic**

**LESION RATES**

OVERALL (a)	18/50 (36%)	9/50 (18%)	16/50 (32%)	21/50 (42%)
POLY-3 RATE (b)	18/44.10	9/43.79	16/43.24	21/45.30
POLY-3 PERCENT (g)	40.8%	20.6%	37%	46.4%
TERMINAL (d)	14/31 (45%)	3/26 (12%)	9/25 (36%)	13/29 (45%)
FIRST INCIDENCE	609	596	479	380

**STATISTICAL TESTS**

LIFE TABLE	P=0.107	P=0.095N	P=0.496	P=0.274
POLY 3	P=0.115	P=0.030N*	P=0.441N	P=0.375
POLY 1.5	P=0.108	P=0.031N*	P=0.435N	P=0.358
POLY 6	P=0.130	P=0.031N*	P=0.443N	P=0.404
LOGISTIC REGRESSION	P=0.099	P=0.040N*	P=0.490N	P=0.313
COCH-ARM / FISHERS	P=0.109	P=0.035N*	P=0.417N	P=0.341
ORDER RESTRICTED	P=0.084	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.092	(e)	(e)	(e)



TDMS No. 96019-05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 WATER DISINFECTION BYPRODUCTS (BROMOCHLOROACETIC ACID)  
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 Lab: SRI

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

DOSE	Males			
	0 MG/L	250 MG/L	500 MG/L	1000 MG/L

**Pancreas  
 Atrophy**

**LESION RATES**

OVERALL (a)	29/50 (58%)	28/50 (56%)	26/50 (52%)	29/50 (58%)
POLY-3 RATE (b)	29/44.48	28/45.67	26/44.59	29/44.03
POLY-3 PERCENT (g)	65.2%	61.3%	58.3%	65.9%
TERMINAL (d)	22/31 (71%)	17/26 (65%)	14/25 (56%)	21/29 (72%)
FIRST INCIDENCE	609	525	366	521

**STATISTICAL TESTS**

LIFE TABLE	P=0.459	P=0.355	P=0.438	P=0.439
POLY 3	P=0.493	P=0.432N	P=0.319N	P=0.565
POLY 1.5	P=0.499	P=0.454N	P=0.332N	P=0.562
POLY 6	P=0.515	P=0.420N	P=0.302N	P=0.593
LOGISTIC REGRESSION	P=0.450	P=0.565N	P=0.464N	P=0.478
COCH-ARM / FISHERS	P=0.538	P=0.500N	P=0.344N	P=0.580N
ORDER RESTRICTED	P=0.525	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.531	(e)	(e)	(e)

TDMS No. 96019-05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 WATER DISINFECTION BYPRODUCTS (BROMOCHLOROACETIC ACID)  
 CAS Number: 5589-96-8  
 Pathologist: GILES, H. - HEATH, J. - Blackshear, P.

Date Report Reqsted: 03/28/2006  
 Time Report Reqsted: 15:07:20  
 First Dose M/F: 09/26/01 / 09/26/01  
 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	250 MG/L	500 MG/L	1000 MG/L

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Pancreas: Acinus  
 Hyperplasia Focal

**LESION RATES**

OVERALL (a)	7/50 (14%)	3/50 (6%)	2/50 (4%)	7/50 (14%)
POLY-3 RATE (b)	7/43.53	3/42.12	2/40.28	7/41.60
POLY-3 PERCENT (g)	16.1%	7.1%	5%	16.8%
TERMINAL (d)	6/31 (19%)	3/26 (12%)	2/25 (8%)	7/29 (24%)
FIRST INCIDENCE	631	729 (T)	729 (T)	729 (T)

**STATISTICAL TESTS**

LIFE TABLE	P=0.428	P=0.229N	P=0.136N	P=0.567
POLY 3	P=0.429	P=0.169N	P=0.097N	P=0.579
POLY 1.5	P=0.436	P=0.162N	P=0.090N	P=0.591
POLY 6	P=0.427	P=0.183N	P=0.107N	P=0.567
LOGISTIC REGRESSION	P=0.424	P=0.190N	P=0.110N	P=0.574
COCH-ARM / FISHERS	P=0.451	P=0.159N	P=0.080N	P=0.613N
ORDER RESTRICTED	P=0.221	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.235	(e)	(e)	(e)

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TDMS No. 96019-05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 WATER DISINFECTION BYPRODUCTS (BROMOCHLOROACETIC ACID)  
 CAS Number: 5589-96-8  
 Pathologist: GILES, H. - HEATH, J. - Blackshear, P.

Date Report Reqsted: 03/28/2006  
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 Lab: SRI

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

DOSE	Males			
	0 MG/L	250 MG/L	500 MG/L	1000 MG/L

**Pituitary Gland: Pars Distalis**  
**Angiectasis**

**LESION RATES**

OVERALL (a)	23/48 (48%)	27/50 (54%)	23/50 (46%)	20/50 (40%)
POLY-3 RATE (b)	23/44.24	27/45.99	23/44.09	20/44.40
POLY-3 PERCENT (g)	52%	58.7%	52.2%	45.1%
TERMINAL (d)	16/31 (52%)	15/26 (58%)	12/25 (48%)	12/29 (41%)
FIRST INCIDENCE	337	504	575	510

**STATISTICAL TESTS**

LIFE TABLE	P=0.286N	P=0.144	P=0.304	P=0.444N
POLY 3	P=0.198N	P=0.330	P=0.579	P=0.327N
POLY 1.5	P=0.190N	P=0.337	P=0.570N	P=0.316N
POLY 6	P=0.194N	P=0.321	P=0.581	P=0.327N
LOGISTIC REGRESSION	P=0.175N	P=0.342	P=0.546N	P=0.294N
COCH-ARM / FISHERS	P=0.158N	P=0.345	P=0.505N	P=0.279N
ORDER RESTRICTED	P=0.254N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.260N	(e)	(e)	(e)

TDMS No. 96019-05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 WATER DISINFECTION BYPRODUCTS (BROMOCHLOROACETIC ACID)  
 CAS Number: 5589-96-8  
 Pathologist: GILES, H. - HEATH, J. - Blackshear, P.

Date Report Requested: 03/28/2006  
 Time Report Requested: 15:07:20  
 First Dose M/F: 09/26/01 / 09/26/01  
 Lab: SRI

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

DOSE	Males			
	0 MG/L	250 MG/L	500 MG/L	1000 MG/L

**Pituitary Gland: Pars Distalis  
 Cyst**

**LESION RATES**

OVERALL (a)	5/48 (10%)	1/50 (2%)	4/50 (8%)	4/50 (8%)
POLY-3 RATE (b)	5/41.34	1/42.35	4/40.38	4/41.65
POLY-3 PERCENT (g)	12.1%	2.4%	9.9%	9.6%
TERMINAL (d)	5/31 (16%)	0/26 (0%)	3/25 (12%)	3/29 (10%)
FIRST INCIDENCE	729 (T)	668	704	717

**STATISTICAL TESTS**

LIFE TABLE	P=0.517	P=0.142N	P=0.629N	P=0.540N
POLY 3	P=0.540	P=0.095N	P=0.515N	P=0.495N
POLY 1.5	P=0.543	P=0.093N	P=0.499N	P=0.489N
POLY 6	P=0.543	P=0.099N	P=0.534N	P=0.500N
LOGISTIC REGRESSION	P=0.534	P=0.110N	P=0.579N	P=0.524N
COCH-ARM / FISHERS	P=0.556	P=0.093N	P=0.474N	P=0.474N
ORDER RESTRICTED	P=0.337N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.344N	(e)	(e)	(e)

TDMS No. 96019-05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 WATER DISINFECTION BYPRODUCTS (BROMOCHLOROACETIC ACID)  
 CAS Number: 5589-96-8  
 Pathologist: GILES, H. - HEATH, J. - Blackshear, P.

Date Report Reqsted: 03/28/2006  
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 First Dose M/F: 09/26/01 / 09/26/01  
 Lab: SRI

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

DOSE	Males			
	0 MG/L	250 MG/L	500 MG/L	1000 MG/L

**Pituitary Gland: Pars Distalis  
 Hyperplasia Focal**

**LESION RATES**

OVERALL (a)	10/48 (21%)	8/50 (16%)	9/50 (18%)	9/50 (18%)
POLY-3 RATE (b)	10/42.47	8/42.48	9/41.03	9/42.23
POLY-3 PERCENT (g)	23.6%	18.8%	21.9%	21.3%
TERMINAL (d)	6/31 (19%)	5/26 (19%)	7/25 (28%)	5/29 (17%)
FIRST INCIDENCE	631	668	561	652

**STATISTICAL TESTS**

LIFE TABLE	P=0.532N	P=0.523N	P=0.528	P=0.551N
POLY 3	P=0.506N	P=0.395N	P=0.534N	P=0.506N
POLY 1.5	P=0.495N	P=0.375N	P=0.504N	P=0.489N
POLY 6	P=0.513N	P=0.433N	P=0.576N	P=0.522N
LOGISTIC REGRESSION	P=0.504N	P=0.390N	P=0.525N	P=0.492N
COCH-ARM / FISHERS	P=0.468N	P=0.361N	P=0.460N	P=0.460N
ORDER RESTRICTED	P=0.583N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.587N	(e)	(e)	(e)

TDMS No. 96019-05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 WATER DISINFECTION BYPRODUCTS (BROMOCHLOROACETIC ACID)  
 CAS Number: 5589-96-8  
 Pathologist: GILES, H. - HEATH, J. - Blackshear, P.

Date Report Requested: 03/28/2006  
 Time Report Requested: 15:07:20  
 First Dose M/F: 09/26/01 / 09/26/01  
 Lab: SRI

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

DOSE	Males			
	0 MG/L	250 MG/L	500 MG/L	1000 MG/L

**Preputial Gland  
 Cyst**

**LESION RATES**

OVERALL (a)	4/50 (8%)	4/49 (8%)	3/50 (6%)	7/49 (14%)
POLY-3 RATE (b)	4/43.37	4/41.12	3/40.56	7/41.92
POLY-3 PERCENT (g)	9.2%	9.7%	7.4%	16.7%
TERMINAL (d)	3/31 (10%)	4/25 (16%)	2/25 (8%)	5/29 (17%)
FIRST INCIDENCE	679	729 (T)	652	521

**STATISTICAL TESTS**

LIFE TABLE	P=0.173	P=0.529	P=0.600N	P=0.229
POLY 3	P=0.165	P=0.614	P=0.537N	P=0.240
POLY 1.5	P=0.166	P=0.625	P=0.522N	P=0.242
POLY 6	P=0.169	P=0.595	P=0.554N	P=0.241
LOGISTIC REGRESSION	P=0.159	P=0.569	P=0.554N	P=0.238
COCH-ARM / FISHERS	P=0.173	P=0.631	P=0.500N	P=0.251
ORDER RESTRICTED	P=0.182	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.192	(e)	(e)	(e)

TDMS No. 96019-05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 WATER DISINFECTION BYPRODUCTS (BROMOCHLOROACETIC ACID)  
 CAS Number: 5589-96-8  
 Pathologist: GILES, H. - HEATH, J. - Blackshear, P.

Date Report Reqsted: 03/28/2006  
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 First Dose M/F: 09/26/01 / 09/26/01  
 Lab: SRI

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

DOSE	Males			
	0 MG/L	250 MG/L	500 MG/L	1000 MG/L

**Preputial Gland  
 Inflammation Chronic**

**LESION RATES**

OVERALL (a)	3/50 (6%)	2/49 (4%)	8/50 (16%)	6/49 (12%)
POLY-3 RATE (b)	3/44.14	2/41.19	8/41.31	6/41.04
POLY-3 PERCENT (g)	6.8%	4.9%	19.4%	14.6%
TERMINAL (d)	1/31 (3%)	1/25 (4%)	4/25 (16%)	5/29 (17%)
FIRST INCIDENCE	525	713	596	667

**STATISTICAL TESTS**

LIFE TABLE	P=0.104	P=0.553N	P=0.068	P=0.218
POLY 3	P=0.081	P=0.532N	P=0.077	P=0.206
POLY 1.5	P=0.086	P=0.520N	P=0.085	P=0.215
POLY 6	P=0.080	P=0.551N	P=0.070	P=0.198
LOGISTIC REGRESSION	P=0.091	P=0.508N	P=0.099	P=0.225
COCH-ARM / FISHERS	P=0.099	P=0.510N	P=0.100	P=0.233
ORDER RESTRICTED	P=0.074	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.086	(e)	(e)	(e)

TDMS No. 96019-05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 WATER DISINFECTION BYPRODUCTS (BROMOCHLOROACETIC ACID)  
 CAS Number: 5589-96-8  
 Pathologist: GILES, H. - HEATH, J. - Blackshear, P.

Date Report Reqsted: 03/28/2006  
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 Lab: SRI

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

DOSE	Males			
	0 MG/L	250 MG/L	500 MG/L	1000 MG/L

**Prostate  
 Inflammation Chronic**

**LESION RATES**

OVERALL (a)	36/50 (72%)	32/50 (64%)	35/50 (70%)	34/50 (68%)
POLY-3 RATE (b)	36/47.60	32/46.94	35/46.64	34/46.58
POLY-3 PERCENT (g)	75.6%	68.2%	75%	73%
TERMINAL (d)	23/31 (74%)	18/26 (69%)	19/25 (76%)	19/29 (66%)
FIRST INCIDENCE	504	525	366	468

**STATISTICAL TESTS**

LIFE TABLE	P=0.494	P=0.548	P=0.264	P=0.556
POLY 3	P=0.532N	P=0.275N	P=0.571N	P=0.477N
POLY 1.5	P=0.520N	P=0.260N	P=0.540N	P=0.460N
POLY 6	P=0.516N	P=0.313N	P=0.591	P=0.474N
LOGISTIC REGRESSION	P=0.505N	P=0.265N	P=0.545N	P=0.456N
COCH-ARM / FISHERS	P=0.469N	P=0.260N	P=0.500N	P=0.414N
ORDER RESTRICTED	P=0.538N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.546N	(e)	(e)	(e)



TDMS No. 96019-05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 WATER DISINFECTION BYPRODUCTS (BROMOCHLOROACETIC ACID)  
 CAS Number: 5589-96-8  
 Pathologist: GILES, H. - HEATH, J. - Blackshear, P.

Date Report Requested: 03/28/2006  
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 Lab: SRI

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

DOSE	Males			
	0 MG/L	250 MG/L	500 MG/L	1000 MG/L

Prostate: Epithelium  
 Hyperplasia

**LESION RATES**

OVERALL (a)	7/50 (14%)	4/50 (8%)	7/50 (14%)	5/50 (10%)
POLY-3 RATE (b)	7/43.18	4/42.12	7/40.33	5/41.60
POLY-3 PERCENT (g)	16.2%	9.5%	17.4%	12%
TERMINAL (d)	7/31 (23%)	4/26 (15%)	6/25 (24%)	5/29 (17%)
FIRST INCIDENCE	729 (T)	729 (T)	717	729 (T)

**STATISTICAL TESTS**

LIFE TABLE	P=0.451N	P=0.365N	P=0.445	P=0.424N
POLY 3	P=0.450N	P=0.273N	P=0.561	P=0.405N
POLY 1.5	P=0.444N	P=0.266N	P=0.581	P=0.397N
POLY 6	P=0.450N	P=0.289N	P=0.536	P=0.410N
LOGISTIC REGRESSION	P=0.450N	P=0.365N	P=0.479	P=0.424N
COCH-ARM / FISHERS	P=0.426N	P=0.262N	P=0.613N	P=0.380N
ORDER RESTRICTED	P=0.452N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.463N	(e)	(e)	(e)

TDMS No. 96019-05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 WATER DISINFECTION BYPRODUCTS (BROMOCHLOROACETIC ACID)  
 CAS Number: 5589-96-8  
 Pathologist: GILES, H. - HEATH, J. - Blackshear, P.

Date Report Reqsted: 03/28/2006  
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 First Dose M/F: 09/26/01 / 09/26/01  
 Lab: SRI

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

DOSE	Males			
	0 MG/L	250 MG/L	500 MG/L	1000 MG/L

**Skin  
 Cyst Epithelial Inclusion**

**LESION RATES**

OVERALL (a)	2/50 (4%)	2/50 (4%)	1/50 (2%)	3/50 (6%)
POLY-3 RATE (b)	2/43.33	2/42.35	1/40.73	3/41.60
POLY-3 PERCENT (g)	4.6%	4.7%	2.5%	7.2%
TERMINAL (d)	1/31 (3%)	1/26 (4%)	0/25 (0%)	3/29 (10%)
FIRST INCIDENCE	692	668	596	729 (T)

**STATISTICAL TESTS**

LIFE TABLE	P=0.386	P=0.645	P=0.556N	P=0.465
POLY 3	P=0.388	P=0.686	P=0.522N	P=0.481
POLY 1.5	P=0.393	P=0.691	P=0.513N	P=0.488
POLY 6	P=0.384	P=0.677	P=0.531N	P=0.476
LOGISTIC REGRESSION	P=0.390	P=0.684	P=0.497N	P=0.476
COCH-ARM / FISHERS	P=0.404	P=0.691N	P=0.500N	P=0.500
ORDER RESTRICTED	P=0.382	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.394	(e)	(e)	(e)

TDMS No. 96019-05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 WATER DISINFECTION BYPRODUCTS (BROMOCHLOROACETIC ACID)  
 CAS Number: 5589-96-8  
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 First Dose M/F: 09/26/01 / 09/26/01  
 Lab: SRI

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

DOSE	Males			
	0 MG/L	250 MG/L	500 MG/L	1000 MG/L

**Skin  
 Hyperplasia**

**LESION RATES**

OVERALL (a)	2/50 (4%)	0/50 (0%)	0/50 (0%)	2/50 (4%)
POLY-3 RATE (b)	2/43.33	0/42.12	0/40.28	2/41.60
POLY-3 PERCENT (g)	4.6%	0%	0%	4.8%
TERMINAL (d)	1/31 (3%)	0/26 (0%)	0/25 (0%)	2/29 (7%)
FIRST INCIDENCE	692	---	---	729 (T)

**STATISTICAL TESTS**

LIFE TABLE	P=0.484	P=0.273N	P=0.284N	P=0.665
POLY 3	P=0.495	P=0.243N	P=0.253N	P=0.680
POLY 1.5	P=0.496	P=0.240N	P=0.247N	P=0.684
POLY 6	P=0.498	P=0.250N	P=0.262N	P=0.676
LOGISTIC REGRESSION	P=0.488	P=0.248N	P=0.258N	P=0.678
COCH-ARM / FISHERS	P=0.500	P=0.247N	P=0.247N	P=0.691N
ORDER RESTRICTED	P=0.260	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.272	(e)	(e)	(e)

TDMS No. 96019-05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 WATER DISINFECTION BYPRODUCTS (BROMOCHLOROACETIC ACID)  
 CAS Number: 5589-96-8  
 Pathologist: GILES, H. - HEATH, J. - Blackshear, P.

Date Report Reqsted: 03/28/2006  
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 First Dose M/F: 09/26/01 / 09/26/01  
 Lab: SRI

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

DOSE	Males			
	0 MG/L	250 MG/L	500 MG/L	1000 MG/L

**Spleen  
 Fibrosis**

**LESION RATES**

OVERALL (a)	1/50 (2%)	2/50 (4%)	2/50 (4%)	3/50 (6%)
POLY-3 RATE (b)	1/43.18	2/42.19	2/40.28	3/41.88
POLY-3 PERCENT (g)	2.3%	4.7%	5%	7.2%
TERMINAL (d)	1/31 (3%)	1/26 (4%)	2/25 (8%)	2/29 (7%)
FIRST INCIDENCE	729 (T)	713	729 (T)	652

**STATISTICAL TESTS**

LIFE TABLE	P=0.228	P=0.444	P=0.425	P=0.289
POLY 3	P=0.221	P=0.492	P=0.476	P=0.294
POLY 1.5	P=0.224	P=0.497	P=0.485	P=0.297
POLY 6	P=0.221	P=0.482	P=0.464	P=0.292
LOGISTIC REGRESSION	P=0.221	P=0.462	P=0.425	P=0.290
COCH-ARM / FISHERS	P=0.232	P=0.500	P=0.500	P=0.309
ORDER RESTRICTED	P=0.233	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.242	(e)	(e)	(e)

TDMS No. 96019-05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 WATER DISINFECTION BYPRODUCTS (BROMOCHLOROACETIC ACID)  
 CAS Number: 5589-96-8  
 Pathologist: GILES, H. - HEATH, J. - Blackshear, P.

Date Report Requested: 03/28/2006  
 Time Report Requested: 15:07:20  
 First Dose M/F: 09/26/01 / 09/26/01  
 Lab: SRI

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

DOSE	Males			
	0 MG/L	250 MG/L	500 MG/L	1000 MG/L

**Spleen  
 Hematopoietic Cell Proliferation**

**LESION RATES**

OVERALL (a)	5/50 (10%)	7/50 (14%)	6/50 (12%)	3/50 (6%)
POLY-3 RATE (b)	5/44.92	7/44.72	6/42.34	3/42.79
POLY-3 PERCENT (g)	11.1%	15.7%	14.2%	7%
TERMINAL (d)	1/31 (3%)	0/26 (0%)	2/25 (8%)	0/29 (0%)
FIRST INCIDENCE	504	540	321	556

**STATISTICAL TESTS**

LIFE TABLE	P=0.262N	P=0.358	P=0.421	P=0.380N
POLY 3	P=0.262N	P=0.375	P=0.458	P=0.383N
POLY 1.5	P=0.251N	P=0.380	P=0.477	P=0.374N
POLY 6	P=0.271N	P=0.366	P=0.431	P=0.390N
LOGISTIC REGRESSION	P=0.144N	P=0.363	P=0.618	P=0.293N
COCH-ARM / FISHERS	P=0.229N	P=0.380	P=0.500	P=0.357N
ORDER RESTRICTED	P=0.270N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.283N	(e)	(e)	(e)

TDMS No. 96019-05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 WATER DISINFECTION BYPRODUCTS (BROMOCHLOROACETIC ACID)  
 CAS Number: 5589-96-8  
 Pathologist: GILES, H. - HEATH, J. - Blackshear, P.

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 Lab: SRI

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

DOSE	Males			
	0 MG/L	250 MG/L	500 MG/L	1000 MG/L

**Spleen  
 Pigmentation**

**LESION RATES**

OVERALL (a)	0/50 (0%)	1/50 (2%)	2/50 (4%)	1/50 (2%)
POLY-3 RATE (b)	0/43.18	1/42.46	2/41.16	1/42.33
POLY-3 PERCENT (g)	0%	2.4%	4.9%	2.4%
TERMINAL (d)	0/31 (0%)	0/26 (0%)	0/25 (0%)	0/29 (0%)
FIRST INCIDENCE	---	637	596	468

**STATISTICAL TESTS**

LIFE TABLE	P=0.354	P=0.490	P=0.219	P=0.492
POLY 3	P=0.359	P=0.497	P=0.226	P=0.496
POLY 1.5	P=0.360	P=0.499	P=0.230	P=0.497
POLY 6	P=0.360	P=0.492	P=0.222	P=0.496
LOGISTIC REGRESSION	P=0.441	P=0.491	P=0.274	P=0.576
COCH-ARM / FISHERS	P=0.366	P=0.500	P=0.247	P=0.500
ORDER RESTRICTED	P=0.214	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.224	(e)	(e)	(e)

TDMS No. 96019-05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 WATER DISINFECTION BYPRODUCTS (BROMOCHLOROACETIC ACID)  
 CAS Number: 5589-96-8  
 Pathologist: GILES, H. - HEATH, J. - Blackshear, P.

Date Report Reqsted: 03/28/2006  
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 Lab: SRI

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

DOSE	Males			
	0 MG/L	250 MG/L	500 MG/L	1000 MG/L

Stomach, Forestomach  
 Edema

**LESION RATES**

OVERALL (a)	4/50 (8%)	4/50 (8%)	4/50 (8%)	6/50 (12%)
POLY-3 RATE (b)	4/43.95	4/43.93	4/41.45	6/43.15
POLY-3 PERCENT (g)	9.1%	9.1%	9.7%	13.9%
TERMINAL (d)	2/31 (7%)	0/26 (0%)	1/25 (4%)	0/29 (0%)
FIRST INCIDENCE	525	525	555	631

**STATISTICAL TESTS**

LIFE TABLE	P=0.271	P=0.606	P=0.562	P=0.352
POLY 3	P=0.265	P=0.643	P=0.611	P=0.357
POLY 1.5	P=0.267	P=0.641N	P=0.623	P=0.359
POLY 6	P=0.271	P=0.637	P=0.599	P=0.364
LOGISTIC REGRESSION	P=0.322	P=0.629	P=0.617N	P=0.388
COCH-ARM / FISHERS	P=0.279	P=0.643N	P=0.643N	P=0.370
ORDER RESTRICTED	P=0.367	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.376	(e)	(e)	(e)

TDMS No. 96019-05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 WATER DISINFECTION BYPRODUCTS (BROMOCHLOROACETIC ACID)  
 CAS Number: 5589-96-8  
 Pathologist: GILES, H. - HEATH, J. - Blackshear, P.

Date Report Reqsted: 03/28/2006  
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 Lab: SRI

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

DOSE	Males			
	0 MG/L	250 MG/L	500 MG/L	1000 MG/L

Stomach, Forestomach  
 Ulcer

**LESION RATES**

OVERALL (a)	3/50 (6%)	3/50 (6%)	2/50 (4%)	5/50 (10%)
POLY-3 RATE (b)	3/43.95	3/43.45	2/40.80	5/42.57
POLY-3 PERCENT (g)	6.8%	6.9%	4.9%	11.8%
TERMINAL (d)	1/31 (3%)	0/26 (0%)	0/25 (0%)	0/29 (0%)
FIRST INCIDENCE	525	525	609	639

**STATISTICAL TESTS**

LIFE TABLE	P=0.252	P=0.633	P=0.559N	P=0.334
POLY 3	P=0.248	P=0.657	P=0.534N	P=0.338
POLY 1.5	P=0.252	P=0.661	P=0.521N	P=0.343
POLY 6	P=0.248	P=0.648	P=0.549N	P=0.338
LOGISTIC REGRESSION	P=0.293	P=0.640	P=0.472N	P=0.368
COCH-ARM / FISHERS	P=0.264	P=0.661N	P=0.500N	P=0.357
ORDER RESTRICTED	P=0.264	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.275	(e)	(e)	(e)



TDMS No. 96019-05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 WATER DISINFECTION BYPRODUCTS (BROMOCHLOROACETIC ACID)  
 CAS Number: 5589-96-8  
 Pathologist: GILES, H. - HEATH, J. - Blackshear, P.

Date Report Requested: 03/28/2006  
 Time Report Requested: 15:07:20  
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 Lab: SRI

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

DOSE	Males			
	0 MG/L	250 MG/L	500 MG/L	1000 MG/L

Stomach, Forestomach: Epithelium  
 Hyperplasia

**LESION RATES**

OVERALL (a)	6/50 (12%)	5/50 (10%)	5/50 (10%)	8/50 (16%)
POLY-3 RATE (b)	6/44.58	5/44.08	5/41.50	8/43.44
POLY-3 PERCENT (g)	13.5%	11.3%	12.1%	18.4%
TERMINAL (d)	3/31 (10%)	0/26 (0%)	1/25 (4%)	1/29 (3%)
FIRST INCIDENCE	525	504	575	588

**STATISTICAL TESTS**

LIFE TABLE	P=0.270	P=0.544N	P=0.594N	P=0.363
POLY 3	P=0.257	P=0.508N	P=0.550N	P=0.366
POLY 1.5	P=0.262	P=0.502N	P=0.531N	P=0.371
POLY 6	P=0.262	P=0.520N	P=0.571N	P=0.369
LOGISTIC REGRESSION	P=0.314	P=0.510N	P=0.469N	P=0.409
COCH-ARM / FISHERS	P=0.278	P=0.500N	P=0.500N	P=0.387
ORDER RESTRICTED	P=0.319	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.330	(e)	(e)	(e)

TDMS No. 96019-05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 WATER DISINFECTION BYPRODUCTS (BROMOCHLOROACETIC ACID)  
 CAS Number: 5589-96-8  
 Pathologist: GILES, H. - HEATH, J. - Blackshear, P.

Date Report Requested: 03/28/2006  
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 Lab: SRI

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

DOSE	Males			
	0 MG/L	250 MG/L	500 MG/L	1000 MG/L

Stomach, Glandular  
 Edema

**LESION RATES**

OVERALL (a)	4/50 (8%)	3/50 (6%)	1/50 (2%)	6/50 (12%)
POLY-3 RATE (b)	4/44.05	3/43.53	1/40.28	6/42.92
POLY-3 PERCENT (g)	9.1%	6.9%	2.5%	14%
TERMINAL (d)	0/31 (0%)	0/26 (0%)	1/25 (4%)	0/29 (0%)
FIRST INCIDENCE	586	540	729 (T)	631

**STATISTICAL TESTS**

LIFE TABLE	P=0.253	P=0.529N	P=0.236N	P=0.351
POLY 3	P=0.240	P=0.507N	P=0.206N	P=0.353
POLY 1.5	P=0.244	P=0.501N	P=0.195N	P=0.357
POLY 6	P=0.240	P=0.519N	P=0.222N	P=0.353
LOGISTIC REGRESSION	P=0.276	P=0.518N	P=0.181N	P=0.381
COCH-ARM / FISHERS	P=0.256	P=0.500N	P=0.181N	P=0.370
ORDER RESTRICTED	P=0.143	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.152	(e)	(e)	(e)

TDMS No. 96019-05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 WATER DISINFECTION BYPRODUCTS (BROMOCHLOROACETIC ACID)  
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 Lab: SRI

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

DOSE	Males			
	0 MG/L	250 MG/L	500 MG/L	1000 MG/L

**Stomach, Glandular  
 Erosion**

**LESION RATES**

OVERALL (a)	7/50 (14%)	5/50 (10%)	7/50 (14%)	8/50 (16%)
POLY-3 RATE (b)	7/45.53	5/43.32	7/42.22	8/43.99
POLY-3 PERCENT (g)	15.4%	11.5%	16.6%	18.2%
TERMINAL (d)	2/31 (7%)	0/26 (0%)	0/25 (0%)	1/29 (3%)
FIRST INCIDENCE	525	631	479	434

**STATISTICAL TESTS**

LIFE TABLE	P=0.335	P=0.431N	P=0.514	P=0.463
POLY 3	P=0.331	P=0.414N	P=0.554	P=0.471
POLY 1.5	P=0.336	P=0.397N	P=0.577	P=0.481
POLY 6	P=0.333	P=0.440N	P=0.528	P=0.465
LOGISTIC REGRESSION	P=0.411	P=0.382N	P=0.537N	P=0.573
COCH-ARM / FISHERS	P=0.350	P=0.380N	P=0.613N	P=0.500
ORDER RESTRICTED	P=0.425	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.435	(e)	(e)	(e)

TDMS No. 96019-05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 WATER DISINFECTION BYPRODUCTS (BROMOCHLOROACETIC ACID)  
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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/L	250 MG/L	500 MG/L	1000 MG/L

**Stomach, Glandular  
 Ulcer**

**LESION RATES**

OVERALL (a)	2/50 (4%)	3/50 (6%)	2/50 (4%)	0/50 (0%)
POLY-3 RATE (b)	2/43.61	3/43.22	2/40.66	0/41.60
POLY-3 PERCENT (g)	4.6%	6.9%	4.9%	0%
TERMINAL (d)	0/31 (0%)	0/26 (0%)	0/25 (0%)	0/29 (0%)
FIRST INCIDENCE	609	540	652	---

**STATISTICAL TESTS**

LIFE TABLE	P=0.149N	P=0.480	P=0.648	P=0.249N
POLY 3	P=0.148N	P=0.496	P=0.669	P=0.248N
POLY 1.5	P=0.143N	P=0.500	P=0.678	P=0.244N
POLY 6	P=0.152N	P=0.487	P=0.658	P=0.251N
LOGISTIC REGRESSION	P=0.120N	P=0.486	P=0.693N	P=0.232N
COCH-ARM / FISHERS	P=0.134N	P=0.500	P=0.691N	P=0.247N
ORDER RESTRICTED	P=0.140N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.153N	(e)	(e)	(e)

TDMS No. 96019-05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
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 Lab: SRI

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

DOSE	Males			
	0 MG/L	250 MG/L	500 MG/L	1000 MG/L

Testes: Germinal Epithelium  
 Atrophy

**LESION RATES**

OVERALL (a)	13/50 (26%)	12/50 (24%)	7/50 (14%)	10/50 (20%)
POLY-3 RATE (b)	13/45.60	12/44.05	7/40.75	10/44.53
POLY-3 PERCENT (g)	28.5%	27.2%	17.2%	22.5%
TERMINAL (d)	6/31 (19%)	8/26 (31%)	5/25 (20%)	3/29 (10%)
FIRST INCIDENCE	337	504	609	380

**STATISTICAL TESTS**

LIFE TABLE	P=0.275N	P=0.541	P=0.220N	P=0.387N
POLY 3	P=0.240N	P=0.541N	P=0.160N	P=0.338N
POLY 1.5	P=0.237N	P=0.521N	P=0.137N	P=0.334N
POLY 6	P=0.234N	P=0.573N	P=0.189N	P=0.334N
LOGISTIC REGRESSION	P=0.207N	P=0.493N	P=0.109N	P=0.264N
COCH-ARM / FISHERS	P=0.223N	P=0.500N	P=0.105N	P=0.318N
ORDER RESTRICTED	P=0.262N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.272N	(e)	(e)	(e)

TDMS No. 96019-05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

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

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

DOSE	Males			
	0 MG/L	250 MG/L	500 MG/L	1000 MG/L

**Thyroid Gland**  
**Ultimobranchial Cyst**

**LESION RATES**

OVERALL (a)	2/50 (4%)	3/50 (6%)	3/50 (6%)	1/50 (2%)
POLY-3 RATE (b)	2/43.41	3/42.93	3/41.04	1/41.60
POLY-3 PERCENT (g)	4.6%	7%	7.3%	2.4%
TERMINAL (d)	1/31 (3%)	1/26 (4%)	2/25 (8%)	1/29 (3%)
FIRST INCIDENCE	668	549	450	729 (T)

**STATISTICAL TESTS**

LIFE TABLE	P=0.366N	P=0.461	P=0.428	P=0.522N
POLY 3	P=0.366N	P=0.495	P=0.474	P=0.515N
POLY 1.5	P=0.359N	P=0.499	P=0.485	P=0.510N
POLY 6	P=0.371N	P=0.485	P=0.460	P=0.520N
LOGISTIC REGRESSION	P=0.332N	P=0.501	P=0.517	P=0.514N
COCH-ARM / FISHERS	P=0.343N	P=0.500	P=0.500	P=0.500N
ORDER RESTRICTED	P=0.339N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.352N	(e)	(e)	(e)

TDMS No. 96019-05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
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 Lab: SRI

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

DOSE	Males			
	0 MG/L	250 MG/L	500 MG/L	1000 MG/L

**Thyroid Gland: C-Cell  
 Hyperplasia**

**LESION RATES**

OVERALL (a)	21/50 (42%)	15/50 (30%)	15/50 (30%)	24/50 (48%)
POLY-3 RATE (b)	21/44.83	15/44.63	15/41.43	24/43.25
POLY-3 PERCENT (g)	46.8%	33.6%	36.2%	55.5%
TERMINAL (d)	17/31 (55%)	7/26 (27%)	11/25 (44%)	17/29 (59%)
FIRST INCIDENCE	525	525	609	556

**STATISTICAL TESTS**

LIFE TABLE	P=0.168	P=0.306N	P=0.372N	P=0.252
POLY 3	P=0.132	P=0.140N	P=0.212N	P=0.270
POLY 1.5	P=0.150	P=0.140N	P=0.186N	P=0.293
POLY 6	P=0.124	P=0.143N	P=0.244N	P=0.261
LOGISTIC REGRESSION	P=0.148	P=0.156N	P=0.223N	P=0.271
COCH-ARM / FISHERS	P=0.194	P=0.149N	P=0.149N	P=0.344
ORDER RESTRICTED	P=0.078	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.087	(e)	(e)	(e)

TDMS No. 96019-05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 WATER DISINFECTION BYPRODUCTS (BROMOCHLOROACETIC ACID)  
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 Pathologist: GILES, H. - HEATH, J. - Blackshear, P.

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 Lab: SRI

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

DOSE	Males			
	0 MG/L	250 MG/L	500 MG/L	1000 MG/L

**Thyroid Gland: Follicle Cyst**

**LESION RATES**

OVERALL (a)	11/50 (22%)	11/50 (22%)	5/50 (10%)	9/50 (18%)
POLY-3 RATE (b)	11/43.34	11/42.90	5/40.85	9/41.72
POLY-3 PERCENT (g)	25.4%	25.6%	12.2%	21.6%
TERMINAL (d)	9/31 (29%)	8/26 (31%)	4/25 (16%)	8/29 (28%)
FIRST INCIDENCE	692	609	549	699

**STATISTICAL TESTS**

LIFE TABLE	P=0.303N	P=0.431	P=0.171N	P=0.470N
POLY 3	P=0.294N	P=0.587	P=0.102N	P=0.437N
POLY 1.5	P=0.286N	P=0.594	P=0.095N	P=0.425N
POLY 6	P=0.299N	P=0.571	P=0.111N	P=0.446N
LOGISTIC REGRESSION	P=0.297N	P=0.518	P=0.125N	P=0.457N
COCH-ARM / FISHERS	P=0.267N	P=0.595N	P=0.086N	P=0.402N
ORDER RESTRICTED	P=0.261N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.273N	(e)	(e)	(e)



TDMS No. 96019-05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 WATER DISINFECTION BYPRODUCTS (BROMOCHLOROACETIC ACID)  
 CAS Number: 5589-96-8  
 Pathologist: GILES, H. - HEATH, J. - Blackshear, P.

Date Report Reqsted: 03/28/2006  
 Time Report Reqsted: 15:07:20  
 First Dose M/F: 09/26/01 / 09/26/01  
 Lab: SRI

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

DOSE	Males			
	0 MG/L	250 MG/L	500 MG/L	1000 MG/L

**Tooth  
 Malformation**

**LESION RATES**

OVERALL (a)	0/0 (0%)	0/0 (0%)	0/0 (0%)	2/2 (100%)
POLY-3 RATE (b)	0/0.00	0/0.00	0/0.00	2/2.00
POLY-3 PERCENT (g)	0%	0%	0%	100%
TERMINAL (d)	0/0 (0%)	0/0 (0%)	0/0 (0%)	1/1 (100%)
FIRST INCIDENCE	---	---	---	468

**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. 96019-05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 WATER DISINFECTION BYPRODUCTS (BROMOCHLOROACETIC ACID)  
 CAS Number: 5589-96-8  
 Pathologist: GILES, H. - HEATH, J. - Blackshear, P.

Date Report Requested: 03/28/2006  
 Time Report Requested: 15:07:20  
 First Dose M/F: 09/26/01 / 09/26/01  
 Lab: SRI

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

DOSE	Females			
	0 MG/L	250 MG/L	500 MG/L	1000 MG/L

**Adrenal Cortex  
 Accessory Adrenal Cortical Nodule**

**LESION RATES**

OVERALL (a)	17/50 (34%)	11/50 (22%)	12/50 (24%)	13/50 (26%)
POLY-3 RATE (b)	17/46.13	11/44.15	12/47.13	13/46.03
POLY-3 PERCENT (g)	36.9%	24.9%	25.5%	28.2%
TERMINAL (d)	11/34 (32%)	8/31 (26%)	9/37 (24%)	9/35 (26%)
FIRST INCIDENCE	468	507	30	604

**STATISTICAL TESTS**

LIFE TABLE	P=0.248N	P=0.196N	P=0.151N	P=0.241N
POLY 3	P=0.280N	P=0.157N	P=0.166N	P=0.254N
POLY 1.5	P=0.293N	P=0.145N	P=0.173N	P=0.259N
POLY 6	P=0.263N	P=0.177N	P=0.162N	P=0.248N
LOGISTIC REGRESSION	P=0.314N	P=0.132N	P=0.202N	P=0.256N
COCH-ARM / FISHERS	P=0.303N	P=0.133N	P=0.189N	P=0.257N
ORDER RESTRICTED	P=0.201N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.207N	(e)	(e)	(e)

TDMS No. 96019-05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 WATER DISINFECTION BYPRODUCTS (BROMOCHLOROACETIC ACID)  
 CAS Number: 5589-96-8  
 Pathologist: GILES, H. - HEATH, J. - Blackshear, P.

Date Report Requested: 03/28/2006  
 Time Report Requested: 15:07:20  
 First Dose M/F: 09/26/01 / 09/26/01  
 Lab: SRI

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

DOSE	Females			
	0 MG/L	250 MG/L	500 MG/L	1000 MG/L

**Adrenal Cortex  
 Hyperplasia Focal**

**LESION RATES**

OVERALL (a)	17/50 (34%)	17/50 (34%)	18/50 (36%)	25/50 (50%)
POLY-3 RATE (b)	17/44.66	17/45.07	18/45.80	25/46.30
POLY-3 PERCENT (g)	38.1%	37.7%	39.3%	54%
TERMINAL (d)	14/34 (41%)	11/31 (36%)	16/37 (43%)	20/35 (57%)
FIRST INCIDENCE	525	525	631	604

**STATISTICAL TESTS**

LIFE TABLE	P=0.089	P=0.482	P=0.549N	P=0.108
POLY 3	P=0.052	P=0.573N	P=0.538	P=0.090
POLY 1.5	P=0.047*	P=0.575N	P=0.515	P=0.082
POLY 6	P=0.059	P=0.579N	P=0.558	P=0.101
LOGISTIC REGRESSION	P=0.063	P=0.575	P=0.581	P=0.102
COCH-ARM / FISHERS	P=0.045*	P=0.583N	P=0.500	P=0.078
ORDER RESTRICTED	P=0.087	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.082	(e)	(e)	(e)

TDMS No. 96019-05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 WATER DISINFECTION BYPRODUCTS (BROMOCHLOROACETIC ACID)  
 CAS Number: 5589-96-8  
 Pathologist: GILES, H. - HEATH, J. - Blackshear, P.

Date Report Reqsted: 03/28/2006  
 Time Report Reqsted: 15:07:20  
 First Dose M/F: 09/26/01 / 09/26/01  
 Lab: SRI

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

DOSE	Females			
	0 MG/L	250 MG/L	500 MG/L	1000 MG/L

**Adrenal Cortex  
 Hypertrophy Focal**

**LESION RATES**

OVERALL (a)	5/50 (10%)	2/50 (4%)	3/50 (6%)	6/50 (12%)
POLY-3 RATE (b)	5/43.47	2/42.88	3/45.75	6/45.43
POLY-3 PERCENT (g)	11.5%	4.7%	6.6%	13.2%
TERMINAL (d)	5/34 (15%)	2/31 (7%)	2/37 (5%)	4/35 (11%)
FIRST INCIDENCE	729 (T)	729 (T)	631	668

**STATISTICAL TESTS**

LIFE TABLE	P=0.340	P=0.253N	P=0.314N	P=0.521
POLY 3	P=0.325	P=0.221N	P=0.328N	P=0.531
POLY 1.5	P=0.312	P=0.218N	P=0.343N	P=0.516
POLY 6	P=0.342	P=0.228N	P=0.313N	P=0.546
LOGISTIC REGRESSION	P=0.339	P=0.253N	P=0.324N	P=0.539
COCH-ARM / FISHERS	P=0.299	P=0.218N	P=0.357N	P=0.500
ORDER RESTRICTED	P=0.281	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.294	(e)	(e)	(e)

TDMS No. 96019-05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 WATER DISINFECTION BYPRODUCTS (BROMOCHLOROACETIC ACID)  
 CAS Number: 5589-96-8  
 Pathologist: GILES, H. - HEATH, J. - Blackshear, P.

Date Report Reqsted: 03/28/2006  
 Time Report Reqsted: 15:07:20  
 First Dose M/F: 09/26/01 / 09/26/01  
 Lab: SRI

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

DOSE	Females			
	0 MG/L	250 MG/L	500 MG/L	1000 MG/L

**Adrenal Medulla  
 Hyperplasia**

**LESION RATES**

OVERALL (a)	5/49 (10%)	6/47 (13%)	4/50 (8%)	7/50 (14%)
POLY-3 RATE (b)	5/44.08	6/41.88	4/45.40	7/46.13
POLY-3 PERCENT (g)	11.3%	14.3%	8.8%	15.2%
TERMINAL (d)	2/34 (6%)	3/29 (10%)	4/37 (11%)	3/35 (9%)
FIRST INCIDENCE	612	568	729 (T)	636

**STATISTICAL TESTS**

LIFE TABLE	P=0.420	P=0.443	P=0.456N	P=0.420
POLY 3	P=0.397	P=0.464	P=0.482N	P=0.411
POLY 1.5	P=0.387	P=0.469	P=0.487N	P=0.402
POLY 6	P=0.409	P=0.451	P=0.481N	P=0.419
LOGISTIC REGRESSION	P=0.375	P=0.475	P=0.484N	P=0.389
COCH-ARM / FISHERS	P=0.377	P=0.470	P=0.487N	P=0.394
ORDER RESTRICTED	P=0.457	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.470	(e)	(e)	(e)

TDMS No. 96019-05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 WATER DISINFECTION BYPRODUCTS (BROMOCHLOROACETIC ACID)  
 CAS Number: 5589-96-8  
 Pathologist: GILES, H. - HEATH, J. - Blackshear, P.

Date Report Requested: 03/28/2006  
 Time Report Requested: 15:07:20  
 First Dose M/F: 09/26/01 / 09/26/01  
 Lab: SRI

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

DOSE	Females			
	0 MG/L	250 MG/L	500 MG/L	1000 MG/L

**Bone Marrow  
 Hyperplasia**

**LESION RATES**

OVERALL (a)	6/50 (12%)	7/50 (14%)	5/50 (10%)	6/50 (12%)
POLY-3 RATE (b)	6/45.04	7/44.08	5/47.06	6/46.62
POLY-3 PERCENT (g)	13.3%	15.9%	10.6%	12.9%
TERMINAL (d)	3/34 (9%)	3/31 (10%)	2/37 (5%)	0/35 (0%)
FIRST INCIDENCE	505	525	478	618

**STATISTICAL TESTS**

LIFE TABLE	P=0.449N	P=0.471	P=0.461N	P=0.579N
POLY 3	P=0.466N	P=0.483	P=0.469N	P=0.596N
POLY 1.5	P=0.484N	P=0.491	P=0.485N	P=0.609N
POLY 6	P=0.443N	P=0.471	P=0.454N	P=0.579N
LOGISTIC REGRESSION	P=0.521N	P=0.502	P=0.498N	P=0.600
COCH-ARM / FISHERS	P=0.500N	P=0.500	P=0.500N	P=0.620N
ORDER RESTRICTED	P=0.539N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.548N	(e)	(e)	(e)

TDMS No. 96019-05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 WATER DISINFECTION BYPRODUCTS (BROMOCHLOROACETIC ACID)  
 CAS Number: 5589-96-8  
 Pathologist: GILES, H. - HEATH, J. - Blackshear, P.

Date Report Reqsted: 03/28/2006  
 Time Report Reqsted: 15:07:20  
 First Dose M/F: 09/26/01 / 09/26/01  
 Lab: SRI

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

DOSE	Females			
	0 MG/L	250 MG/L	500 MG/L	1000 MG/L

**Bone Marrow  
 Myelofibrosis**

**LESION RATES**

OVERALL (a)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	1/43.65	0/42.88	0/45.40	0/45.15
POLY-3 PERCENT (g)	2.3%	0%	0%	0%
TERMINAL (d)	0/34 (0%)	0/31 (0%)	0/37 (0%)	0/35 (0%)
FIRST INCIDENCE	682	---	---	---

**STATISTICAL TESTS**

LIFE TABLE	P=0.294N	P=0.511N	P=0.484N	P=0.484N
POLY 3	P=0.306N	P=0.504N	P=0.492N	P=0.493N
POLY 1.5	P=0.306N	P=0.501N	P=0.496N	P=0.496N
POLY 6	P=0.304N	P=0.508N	P=0.488N	P=0.491N
LOGISTIC REGRESSION	P=0.307N	P=0.500N	P=0.501N	P=0.502N
COCH-ARM / FISHERS	P=0.306N	P=0.500N	P=0.500N	P=0.500N
ORDER RESTRICTED	P=0.114N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.124N	(e)	(e)	(e)

TDMS No. 96019-05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 WATER DISINFECTION BYPRODUCTS (BROMOCHLOROACETIC ACID)  
 CAS Number: 5589-96-8  
 Pathologist: GILES, H. - HEATH, J. - Blackshear, P.

Date Report Reqsted: 03/28/2006  
 Time Report Reqsted: 15:07:20  
 First Dose M/F: 09/26/01 / 09/26/01  
 Lab: SRI

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

DOSE	Females			
	0 MG/L	250 MG/L	500 MG/L	1000 MG/L

Bone: Cranium  
 Osteopetrosis

**LESION RATES**

OVERALL (a)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/43.47	1/43.07	0/45.40	0/45.15
POLY-3 PERCENT (g)	0%	2.3%	0%	0%
TERMINAL (d)	0/34 (0%)	0/31 (0%)	0/37 (0%)	0/35 (0%)
FIRST INCIDENCE	---	679	---	---

**STATISTICAL TESTS**

LIFE TABLE	P=0.558N	P=0.500	(e)	(e)
POLY 3	P=0.564N	P=0.498	(e)	(e)
POLY 1.5	P=0.565N	P=0.499	(e)	(e)
POLY 6	P=0.564N	P=0.495	(e)	(e)
LOGISTIC REGRESSION	P=0.569N	P=0.500	(e)	(e)
COCH-ARM / FISHERS	P=0.567N	P=0.500	(e)	(e)
ORDER RESTRICTED	P=0.372N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.384N	(e)	(e)	(e)



TDMS No. 96019-05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 WATER DISINFECTION BYPRODUCTS (BROMOCHLOROACETIC ACID)  
 CAS Number: 5589-96-8  
 Pathologist: GILES, H. - HEATH, J. - Blackshear, P.

Date Report Reqsted: 03/28/2006  
 Time Report Reqsted: 15:07:20  
 First Dose M/F: 09/26/01 / 09/26/01  
 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	250 MG/L	500 MG/L	1000 MG/L

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Bone: Femur  
 Osteopetrosis

**LESION RATES**

OVERALL (a)	1/50 (2%)	1/50 (2%)	0/50 (0%)	3/50 (6%)
POLY-3 RATE (b)	1/43.65	1/42.88	0/45.40	3/45.49
POLY-3 PERCENT (g)	2.3%	2.3%	0%	6.6%
TERMINAL (d)	0/34 (0%)	1/31 (3%)	0/37 (0%)	2/35 (6%)
FIRST INCIDENCE	682	729 (T)	---	636

**STATISTICAL TESTS**

LIFE TABLE	P=0.181	P=0.744	P=0.484N	P=0.328
POLY 3	P=0.168	P=0.757	P=0.492N	P=0.320
POLY 1.5	P=0.164	P=0.759	P=0.496N	P=0.313
POLY 6	P=0.172	P=0.752	P=0.488N	P=0.326
LOGISTIC REGRESSION	P=0.164	P=0.759	P=0.501N	P=0.306
COCH-ARM / FISHERS	P=0.160	P=0.753N	P=0.500N	P=0.309
ORDER RESTRICTED	P=0.111	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.122	(e)	(e)	(e)

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TDMS No. 96019-05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 WATER DISINFECTION BYPRODUCTS (BROMOCHLOROACETIC ACID)  
 CAS Number: 5589-96-8  
 Pathologist: GILES, H. - HEATH, J. - Blackshear, P.

Date Report Reqsted: 03/28/2006  
 Time Report Reqsted: 15:07:20  
 First Dose M/F: 09/26/01 / 09/26/01  
 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	250 MG/L	500 MG/L	1000 MG/L

---

**Brain  
 Compression**

**LESION RATES**

OVERALL (a)	10/50 (20%)	15/50 (30%)	9/50 (18%)	10/50 (20%)
POLY-3 RATE (b)	10/45.26	15/46.01	9/45.80	10/45.44
POLY-3 PERCENT (g)	22.1%	32.6%	19.7%	22%
TERMINAL (d)	7/34 (21%)	7/31 (23%)	7/37 (19%)	8/35 (23%)
FIRST INCIDENCE	468	493	631	668

**STATISTICAL TESTS**

LIFE TABLE	P=0.304N	P=0.160	P=0.433N	P=0.568N
POLY 3	P=0.360N	P=0.185	P=0.488N	P=0.596N
POLY 1.5	P=0.366N	P=0.182	P=0.500N	P=0.598
POLY 6	P=0.355N	P=0.189	P=0.477N	P=0.593N
LOGISTIC REGRESSION	P=0.366N	P=0.178	P=0.499N	P=0.594N
COCH-ARM / FISHERS	P=0.365N	P=0.178	P=0.500N	P=0.598N
ORDER RESTRICTED	P=0.368N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.375N	(e)	(e)	(e)

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TDMS No. 96019-05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 WATER DISINFECTION BYPRODUCTS (BROMOCHLOROACETIC ACID)  
 CAS Number: 5589-96-8  
 Pathologist: GILES, H. - HEATH, J. - Blackshear, P.

Date Report Reqsted: 03/28/2006  
 Time Report Reqsted: 15:07:20  
 First Dose M/F: 09/26/01 / 09/26/01  
 Lab: SRI

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

DOSE	Females			
	0 MG/L	250 MG/L	500 MG/L	1000 MG/L

**Brain  
 Hemorrhage**

**LESION RATES**

OVERALL (a)	0/50 (0%)	0/50 (0%)	3/50 (6%)	0/50 (0%)
POLY-3 RATE (b)	0/43.47	0/42.88	3/46.20	0/45.15
POLY-3 PERCENT (g)	0%	0%	6.5%	0%
TERMINAL (d)	0/34 (0%)	0/31 (0%)	0/37 (0%)	0/35 (0%)
FIRST INCIDENCE	---	---	627	---

**STATISTICAL TESTS**

LIFE TABLE	P=0.565	(e)	P=0.142	(e)
POLY 3	P=0.564	(e)	P=0.130	(e)
POLY 1.5	P=0.553	(e)	P=0.124	(e)
POLY 6	P=0.577	(e)	P=0.137	(e)
LOGISTIC REGRESSION	P=0.535	(e)	P=0.121	(e)
COCH-ARM / FISHERS	P=0.539	(e)	P=0.121	(e)
ORDER RESTRICTED	P=0.174	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.187	(e)	(e)	(e)

TDMS No. 96019-05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 WATER DISINFECTION BYPRODUCTS (BROMOCHLOROACETIC ACID)  
 CAS Number: 5589-96-8  
 Pathologist: GILES, H. - HEATH, J. - Blackshear, P.

Date Report Reqsted: 03/28/2006  
 Time Report Reqsted: 15:07:20  
 First Dose M/F: 09/26/01 / 09/26/01  
 Lab: SRI

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

DOSE	Females			
	0 MG/L	250 MG/L	500 MG/L	1000 MG/L

**Clitoral Gland  
 Cyst**

**LESION RATES**

OVERALL (a)	4/50 (8%)	6/49 (12%)	7/50 (14%)	7/47 (15%)
POLY-3 RATE (b)	4/43.47	6/42.29	7/45.76	7/42.21
POLY-3 PERCENT (g)	9.2%	14.2%	15.3%	16.6%
TERMINAL (d)	4/34 (12%)	5/30 (17%)	6/37 (16%)	7/33 (21%)
FIRST INCIDENCE	729 (T)	610	629	729 (T)

**STATISTICAL TESTS**

LIFE TABLE	P=0.243	P=0.298	P=0.310	P=0.239
POLY 3	P=0.220	P=0.351	P=0.291	P=0.243
POLY 1.5	P=0.209	P=0.355	P=0.275	P=0.235
POLY 6	P=0.232	P=0.342	P=0.307	P=0.249
LOGISTIC REGRESSION	P=0.236	P=0.327	P=0.299	P=0.239
COCH-ARM / FISHERS	P=0.197	P=0.357	P=0.262	P=0.227
ORDER RESTRICTED	P=0.259	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.262	(e)	(e)	(e)

TDMS No. 96019-05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 WATER DISINFECTION BYPRODUCTS (BROMOCHLOROACETIC ACID)  
 CAS Number: 5589-96-8  
 Pathologist: GILES, H. - HEATH, J. - Blackshear, P.

Date Report Requested: 03/28/2006  
 Time Report Requested: 15:07:20  
 First Dose M/F: 09/26/01 / 09/26/01  
 Lab: SRI

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

DOSE	Females			
	0 MG/L	250 MG/L	500 MG/L	1000 MG/L

**Clitoral Gland  
 Inflammation Chronic**

**LESION RATES**

OVERALL (a)	2/50 (4%)	2/49 (4%)	3/50 (6%)	3/47 (6%)
POLY-3 RATE (b)	2/43.47	2/41.88	3/45.69	3/42.67
POLY-3 PERCENT (g)	4.6%	4.8%	6.6%	7%
TERMINAL (d)	2/34 (6%)	2/30 (7%)	2/37 (5%)	1/33 (3%)
FIRST INCIDENCE	729 (T)	729 (T)	652	668

**STATISTICAL TESTS**

LIFE TABLE	P=0.389	P=0.650	P=0.535	P=0.501
POLY 3	P=0.372	P=0.681	P=0.523	P=0.492
POLY 1.5	P=0.359	P=0.684	P=0.511	P=0.482
POLY 6	P=0.389	P=0.674	P=0.535	P=0.502
LOGISTIC REGRESSION	P=0.362	P=0.650	P=0.522	P=0.481
COCH-ARM / FISHERS	P=0.345	P=0.684	P=0.500	P=0.470
ORDER RESTRICTED	P=0.498	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.503	(e)	(e)	(e)

TDMS No. 96019-05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 WATER DISINFECTION BYPRODUCTS (BROMOCHLOROACETIC ACID)  
 CAS Number: 5589-96-8  
 Pathologist: GILES, H. - HEATH, J. - Blackshear, P.

Date Report Requested: 03/28/2006  
 Time Report Requested: 15:07:20  
 First Dose M/F: 09/26/01 / 09/26/01  
 Lab: SRI

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

DOSE	Females			
	0 MG/L	250 MG/L	500 MG/L	1000 MG/L

Eye  
 Cataract

**LESION RATES**

OVERALL (a)	4/50 (8%)	2/50 (4%)	2/50 (4%)	3/50 (6%)
POLY-3 RATE (b)	4/44.10	2/42.88	2/45.75	3/45.15
POLY-3 PERCENT (g)	9.1%	4.7%	4.4%	6.6%
TERMINAL (d)	3/34 (9%)	2/31 (7%)	1/37 (3%)	3/35 (9%)
FIRST INCIDENCE	525	729 (T)	631	729 (T)

**STATISTICAL TESTS**

LIFE TABLE	P=0.444N	P=0.370N	P=0.306N	P=0.481N
POLY 3	P=0.462N	P=0.350N	P=0.320N	P=0.487N
POLY 1.5	P=0.471N	P=0.343N	P=0.330N	P=0.494N
POLY 6	P=0.451N	P=0.361N	P=0.310N	P=0.482N
LOGISTIC REGRESSION	P=0.468N	P=0.339N	P=0.339N	P=0.493N
COCH-ARM / FISHERS	P=0.479N	P=0.339N	P=0.339N	P=0.500N
ORDER RESTRICTED	P=0.360N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.369N	(e)	(e)	(e)

TDMS No. 96019-05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 WATER DISINFECTION BYPRODUCTS (BROMOCHLOROACETIC ACID)  
 CAS Number: 5589-96-8  
 Pathologist: GILES, H. - HEATH, J. - Blackshear, P.

Date Report Requested: 03/28/2006  
 Time Report Requested: 15:07:20  
 First Dose M/F: 09/26/01 / 09/26/01  
 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	250 MG/L	500 MG/L	1000 MG/L

---

**Harderian Gland  
 Inflammation Chronic**

**LESION RATES**

OVERALL (a)	3/50 (6%)	5/50 (10%)	4/50 (8%)	0/50 (0%)
POLY-3 RATE (b)	3/43.47	5/43.54	4/45.40	0/45.15
POLY-3 PERCENT (g)	6.9%	11.5%	8.8%	0%
TERMINAL (d)	3/34 (9%)	4/31 (13%)	4/37 (11%)	0/35 (0%)
FIRST INCIDENCE	729 (T)	507	729 (T)	---

**STATISTICAL TESTS**

LIFE TABLE	P=0.066N	P=0.317	P=0.547	P=0.116N
POLY 3	P=0.068N	P=0.357	P=0.524	P=0.112N
POLY 1.5	P=0.073N	P=0.358	P=0.511	P=0.115N
POLY 6	P=0.063N	P=0.350	P=0.536	P=0.109N
LOGISTIC REGRESSION	P=0.070N	P=0.351	P=0.547	(e)
COCH-ARM / FISHERS	P=0.079N	P=0.357	P=0.500	P=0.121N
ORDER RESTRICTED	P=0.061N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.070N	(e)	(e)	(e)

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TDMS No. 96019-05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 WATER DISINFECTION BYPRODUCTS (BROMOCHLOROACETIC ACID)  
 CAS Number: 5589-96-8  
 Pathologist: GILES, H. - HEATH, J. - Blackshear, P.

Date Report Requested: 03/28/2006  
 Time Report Requested: 15:07:20  
 First Dose M/F: 09/26/01 / 09/26/01  
 Lab: SRI

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

DOSE	Females			
	0 MG/L	250 MG/L	500 MG/L	1000 MG/L

**Heart**  
**Cardiomyopathy**

**LESION RATES**

OVERALL (a)	44/50 (88%)	43/50 (86%)	48/50 (96%)	44/50 (88%)
POLY-3 RATE (b)	44/47.55	43/46.21	48/49.67	44/49.13
POLY-3 PERCENT (g)	92.5%	93.1%	96.6%	89.6%
TERMINAL (d)	32/34 (94%)	31/31 (100%)	36/37 (97%)	33/35 (94%)
FIRST INCIDENCE	411	568	30	258

**STATISTICAL TESTS**

LIFE TABLE	P=0.346N	P=0.403	P=0.541	P=0.463N
POLY 3	P=0.333N	P=0.641	P=0.310	P=0.433N
POLY 1.5	P=0.470N	P=0.617N	P=0.221	P=0.504N
POLY 6	P=0.220N	P=0.539	P=0.420	P=0.387N
LOGISTIC REGRESSION	P=0.491	P=0.456N	P=0.119	P=0.594N
COCH-ARM / FISHERS	P=0.453	P=0.500N	P=0.134	P=0.620N
ORDER RESTRICTED	P=0.256N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.267N	(e)	(e)	(e)



TDMS No. 96019-05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 WATER DISINFECTION BYPRODUCTS (BROMOCHLOROACETIC ACID)  
 CAS Number: 5589-96-8  
 Pathologist: GILES, H. - HEATH, J. - Blackshear, P.

Date Report Reqsted: 03/28/2006  
 Time Report Reqsted: 15:07:20  
 First Dose M/F: 09/26/01 / 09/26/01  
 Lab: SRI

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

DOSE	Females			
	0 MG/L	250 MG/L	500 MG/L	1000 MG/L

**Heart  
 Thrombosis**

**LESION RATES**

OVERALL (a)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/43.47	1/43.25	0/45.40	0/45.15
POLY-3 PERCENT (g)	0%	2.3%	0%	0%
TERMINAL (d)	0/34 (0%)	0/31 (0%)	0/37 (0%)	0/35 (0%)
FIRST INCIDENCE	---	626	---	---

**STATISTICAL TESTS**

LIFE TABLE	P=0.553N	P=0.490	(e)	(e)
POLY 3	P=0.564N	P=0.499	(e)	(e)
POLY 1.5	P=0.565N	P=0.500	(e)	(e)
POLY 6	P=0.563N	P=0.497	(e)	(e)
LOGISTIC REGRESSION	P=0.569N	P=0.497	(e)	(e)
COCH-ARM / FISHERS	P=0.567N	P=0.500	(e)	(e)
ORDER RESTRICTED	P=0.373N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.384N	(e)	(e)	(e)

TDMS No. 96019-05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 WATER DISINFECTION BYPRODUCTS (BROMOCHLOROACETIC ACID)  
 CAS Number: 5589-96-8  
 Pathologist: GILES, H. - HEATH, J. - Blackshear, P.

Date Report Requested: 03/28/2006  
 Time Report Requested: 15:07:20  
 First Dose M/F: 09/26/01 / 09/26/01  
 Lab: SRI

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

DOSE	Females			
	0 MG/L	250 MG/L	500 MG/L	1000 MG/L

Intestine Large, Cecum  
 Edema

**LESION RATES**

OVERALL (a)	0/48 (0%)	0/47 (0%)	0/48 (0%)	0/49 (0%)
POLY-3 RATE (b)	0/41.95	0/41.12	0/44.76	0/44.21
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/34 (0%)	0/31 (0%)	0/37 (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. 96019-05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 WATER DISINFECTION BYPRODUCTS (BROMOCHLOROACETIC ACID)  
 CAS Number: 5589-96-8  
 Pathologist: GILES, H. - HEATH, J. - Blackshear, P.

Date Report Reqsted: 03/28/2006  
 Time Report Reqsted: 15:07:20  
 First Dose M/F: 09/26/01 / 09/26/01  
 Lab: SRI

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

DOSE	Females			
	0 MG/L	250 MG/L	500 MG/L	1000 MG/L

**Kidney  
 Infarct**

**LESION RATES**

OVERALL (a)	0/50 (0%)	2/50 (4%)	2/50 (4%)	7/50 (14%)
POLY-3 RATE (b)	0/43.47	2/42.88	2/45.41	7/45.98
POLY-3 PERCENT (g)	0%	4.7%	4.4%	15.2%
TERMINAL (d)	0/34 (0%)	2/31 (7%)	1/37 (3%)	4/35 (11%)
FIRST INCIDENCE	---	729 (T)	727	604

**STATISTICAL TESTS**

LIFE TABLE	P=0.003**	P=0.218	P=0.262	P=0.013*
POLY 3	P=0.002**	P=0.234	P=0.247	P=0.009**
POLY 1.5	P=0.002**	P=0.236	P=0.242	P=0.009**
POLY 6	P=0.002**	P=0.230	P=0.252	P=0.010**
LOGISTIC REGRESSION	P=0.002**	P=0.218	P=0.258	P=0.009**
COCH-ARM / FISHERS	P=0.002**	P=0.247	P=0.247	P=0.006**
ORDER RESTRICTED	P<0.001**	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.002**	(e)	(e)	(e)

TDMS No. 96019-05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 WATER DISINFECTION BYPRODUCTS (BROMOCHLOROACETIC ACID)  
 CAS Number: 5589-96-8  
 Pathologist: GILES, H. - HEATH, J. - Blackshear, P.

Date Report Requested: 03/28/2006  
 Time Report Requested: 15:07:20  
 First Dose M/F: 09/26/01 / 09/26/01  
 Lab: SRI

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

DOSE	Females			
	0 MG/L	250 MG/L	500 MG/L	1000 MG/L
<b>Kidney Nephropathy</b>				
<b>LESION RATES</b>				
OVERALL (a)	36/50 (72%)	42/50 (84%)	43/50 (86%)	40/50 (80%)
POLY-3 RATE (b)	36/46.14	42/47.87	43/48.41	40/47.68
POLY-3 PERCENT (g)	78%	87.7%	88.8%	83.9%
TERMINAL (d)	27/34 (79%)	26/31 (84%)	32/37 (87%)	30/35 (86%)
FIRST INCIDENCE	468	493	478	604
<b>STATISTICAL TESTS</b>				
LIFE TABLE	P=0.525N	P=0.093	P=0.295	P=0.382
POLY 3	P=0.346	P=0.152	P=0.117	P=0.316
POLY 1.5	P=0.288	P=0.128	P=0.078	P=0.267
POLY 6	P=0.414	P=0.192	P=0.173	P=0.377
LOGISTIC REGRESSION	P=0.353	P=0.098	P=0.096	P=0.336
COCH-ARM / FISHERS	P=0.263	P=0.114	P=0.070	P=0.241
ORDER RESTRICTED	P=0.171	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.183	(e)	(e)	(e)

TDMS No. 96019-05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 WATER DISINFECTION BYPRODUCTS (BROMOCHLOROACETIC ACID)  
 CAS Number: 5589-96-8  
 Pathologist: GILES, H. - HEATH, J. - Blackshear, P.

Date Report Requested: 03/28/2006  
 Time Report Requested: 15:07:20  
 First Dose M/F: 09/26/01 / 09/26/01  
 Lab: SRI

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

DOSE	Females			
	0 MG/L	250 MG/L	500 MG/L	1000 MG/L

**Kidney: Transitional Epithelium  
 Hyperplasia**

**LESION RATES**

OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/43.47	0/42.88	0/45.40	0/45.15
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/34 (0%)	0/31 (0%)	0/37 (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. 96019-05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 WATER DISINFECTION BYPRODUCTS (BROMOCHLOROACETIC ACID)  
 CAS Number: 5589-96-8  
 Pathologist: GILES, H. - HEATH, J. - Blackshear, P.

Date Report Reqsted: 03/28/2006  
 Time Report Reqsted: 15:07:20  
 First Dose M/F: 09/26/01 / 09/26/01  
 Lab: SRI

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

DOSE	Females			
	0 MG/L	250 MG/L	500 MG/L	1000 MG/L

**Kidney: Transitional Epithelium  
 Hyperplasia Diffuse**

**LESION RATES**

OVERALL (a)	0/50 (0%)	3/50 (6%)	2/50 (4%)	6/50 (12%)
POLY-3 RATE (b)	0/43.47	3/42.88	2/45.75	6/45.64
POLY-3 PERCENT (g)	0%	7%	4.4%	13.2%
TERMINAL (d)	0/34 (0%)	3/31 (10%)	1/37 (3%)	4/35 (11%)
FIRST INCIDENCE	---	729 (T)	631	604

**STATISTICAL TESTS**

LIFE TABLE	P=0.017*	P=0.105	P=0.254	P=0.022*
POLY 3	P=0.014*	P=0.116	P=0.249	P=0.018*
POLY 1.5	P=0.013*	P=0.118	P=0.243	P=0.017*
POLY 6	P=0.015*	P=0.112	P=0.255	P=0.019*
LOGISTIC REGRESSION	P=0.014*	P=0.105	P=0.237	P=0.019*
COCH-ARM / FISHERS	P=0.012*	P=0.121	P=0.247	P=0.013*
ORDER RESTRICTED	P=0.006**	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.008**	(e)	(e)	(e)

TDMS No. 96019-05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 WATER DISINFECTION BYPRODUCTS (BROMOCHLOROACETIC ACID)  
 CAS Number: 5589-96-8  
 Pathologist: GILES, H. - HEATH, J. - Blackshear, P.

Date Report Requested: 03/28/2006  
 Time Report Requested: 15:07:20  
 First Dose M/F: 09/26/01 / 09/26/01  
 Lab: SRI

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

DOSE	Females			
	0 MG/L	250 MG/L	500 MG/L	1000 MG/L

**Kidney: Transitional Epithelium  
 Inflammation Chronic**

**LESION RATES**

OVERALL (a)	0/50 (0%)	3/50 (6%)	3/50 (6%)	6/50 (12%)
POLY-3 RATE (b)	0/43.47	3/42.88	3/45.75	6/45.64
POLY-3 PERCENT (g)	0%	7%	6.6%	13.2%
TERMINAL (d)	0/34 (0%)	3/31 (10%)	2/37 (5%)	4/35 (11%)
FIRST INCIDENCE	---	729 (T)	631	604

**STATISTICAL TESTS**

LIFE TABLE	P=0.019*	P=0.105	P=0.136	P=0.022*
POLY 3	P=0.016*	P=0.116	P=0.128	P=0.018*
POLY 1.5	P=0.014*	P=0.118	P=0.123	P=0.017*
POLY 6	P=0.017*	P=0.112	P=0.133	P=0.019*
LOGISTIC REGRESSION	P=0.015*	P=0.105	P=0.121	P=0.019*
COCH-ARM / FISHERS	P=0.013*	P=0.121	P=0.121	P=0.013*
ORDER RESTRICTED	P=0.008**	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.011*	(e)	(e)	(e)

TDMS No. 96019-05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 WATER DISINFECTION BYPRODUCTS (BROMOCHLOROACETIC ACID)  
 CAS Number: 5589-96-8  
 Pathologist: GILES, H. - HEATH, J. - Blackshear, P.

Date Report Reqsted: 03/28/2006  
 Time Report Reqsted: 15:07:20  
 First Dose M/F: 09/26/01 / 09/26/01  
 Lab: SRI

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

DOSE	Females			
	0 MG/L	250 MG/L	500 MG/L	1000 MG/L

Liver  
 Angiectasis

**LESION RATES**

OVERALL (a)	0/50 (0%)	2/50 (4%)	2/50 (4%)	0/50 (0%)
POLY-3 RATE (b)	0/43.47	2/43.06	2/45.40	0/45.15
POLY-3 PERCENT (g)	0%	4.6%	4.4%	0%
TERMINAL (d)	0/34 (0%)	1/31 (3%)	2/37 (5%)	0/35 (0%)
FIRST INCIDENCE	---	682	729 (T)	---

**STATISTICAL TESTS**

LIFE TABLE	P=0.476N	P=0.224	P=0.257	(e)
POLY 3	P=0.482N	P=0.235	P=0.247	(e)
POLY 1.5	P=0.490N	P=0.236	P=0.242	(e)
POLY 6	P=0.474N	P=0.231	P=0.252	(e)
LOGISTIC REGRESSION	P=0.479N	P=0.234	P=0.257	(e)
COCH-ARM / FISHERS	P=0.500N	P=0.247	P=0.247	(e)
ORDER RESTRICTED	P=0.267N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.279N	(e)	(e)	(e)



TDMS No. 96019-05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 WATER DISINFECTION BYPRODUCTS (BROMOCHLOROACETIC ACID)  
 CAS Number: 5589-96-8  
 Pathologist: GILES, H. - HEATH, J. - Blackshear, P.

Date Report Requested: 03/28/2006  
 Time Report Requested: 15:07:20  
 First Dose M/F: 09/26/01 / 09/26/01  
 Lab: SRI

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

DOSE	Females			
	0 MG/L	250 MG/L	500 MG/L	1000 MG/L

Liver  
 Basophilic Focus

**LESION RATES**

OVERALL (a)	39/50 (78%)	37/50 (74%)	37/50 (74%)	31/50 (62%)
POLY-3 RATE (b)	39/46.54	37/46.37	37/47.32	31/46.18
POLY-3 PERCENT (g)	83.8%	79.8%	78.2%	67.1%
TERMINAL (d)	32/34 (94%)	28/31 (90%)	32/37 (87%)	25/35 (71%)
FIRST INCIDENCE	468	507	478	660

**STATISTICAL TESTS**

LIFE TABLE	P=0.014N*	P=0.514	P=0.178N	P=0.044N*
POLY 3	P=0.025N*	P=0.401N	P=0.324N	P=0.042N*
POLY 1.5	P=0.034N*	P=0.399N	P=0.378N	P=0.051N
POLY 6	P=0.016N*	P=0.421N	P=0.280N	P=0.033N*
LOGISTIC REGRESSION	P=0.013N*	P=0.407N	P=0.296N	P=0.023N*
COCH-ARM / FISHERS	P=0.044N*	P=0.408N	P=0.408N	P=0.063N
ORDER RESTRICTED	P=0.029N*	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.033N*	(e)	(e)	(e)

TDMS No. 96019-05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 WATER DISINFECTION BYPRODUCTS (BROMOCHLOROACETIC ACID)  
 CAS Number: 5589-96-8  
 Pathologist: GILES, H. - HEATH, J. - Blackshear, P.

Date Report Reqsted: 03/28/2006  
 Time Report Reqsted: 15:07:20  
 First Dose M/F: 09/26/01 / 09/26/01  
 Lab: SRI

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

DOSE	Females			
	0 MG/L	250 MG/L	500 MG/L	1000 MG/L

Liver  
 Clear Cell Focus

**LESION RATES**

OVERALL (a)	14/50 (28%)	11/50 (22%)	16/50 (32%)	17/50 (34%)
POLY-3 RATE (b)	14/44.44	11/43.16	16/45.99	17/45.15
POLY-3 PERCENT (g)	31.5%	25.5%	34.8%	37.7%
TERMINAL (d)	12/34 (35%)	9/31 (29%)	15/37 (41%)	17/35 (49%)
FIRST INCIDENCE	468	679	540	729 (T)

**STATISTICAL TESTS**

LIFE TABLE	P=0.244	P=0.411N	P=0.518	P=0.360
POLY 3	P=0.207	P=0.349N	P=0.457	P=0.348
POLY 1.5	P=0.195	P=0.336N	P=0.432	P=0.339
POLY 6	P=0.220	P=0.372N	P=0.481	P=0.352
LOGISTIC REGRESSION	P=0.257	P=0.347N	P=0.467	P=0.399
COCH-ARM / FISHERS	P=0.185	P=0.322N	P=0.414	P=0.333
ORDER RESTRICTED	P=0.280	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.288	(e)	(e)	(e)

TDMS No. 96019-05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 WATER DISINFECTION BYPRODUCTS (BROMOCHLOROACETIC ACID)  
 CAS Number: 5589-96-8  
 Pathologist: GILES, H. - HEATH, J. - Blackshear, P.

Date Report Reqsted: 03/28/2006  
 Time Report Reqsted: 15:07:20  
 First Dose M/F: 09/26/01 / 09/26/01  
 Lab: SRI

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

DOSE	Females			
	0 MG/L	250 MG/L	500 MG/L	1000 MG/L

Liver  
 Degeneration Cystic

**LESION RATES**

OVERALL (a)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	1/43.47	0/42.88	0/45.40	0/45.15
POLY-3 PERCENT (g)	2.3%	0%	0%	0%
TERMINAL (d)	1/34 (3%)	0/31 (0%)	0/37 (0%)	0/35 (0%)
FIRST INCIDENCE	729 (T)	---	---	---

**STATISTICAL TESTS**

LIFE TABLE	P=0.297N	P=0.518N	P=0.483N	P=0.494N
POLY 3	P=0.306N	P=0.503N	P=0.491N	P=0.492N
POLY 1.5	P=0.306N	P=0.501N	P=0.496N	P=0.496N
POLY 6	P=0.305N	P=0.506N	P=0.487N	P=0.489N
LOGISTIC REGRESSION	P=0.297N	(e)	(e)	(e)
COCH-ARM / FISHERS	P=0.306N	P=0.500N	P=0.500N	P=0.500N
ORDER RESTRICTED	P=0.113N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.124N	(e)	(e)	(e)

TDMS No. 96019-05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 WATER DISINFECTION BYPRODUCTS (BROMOCHLOROACETIC ACID)  
 CAS Number: 5589-96-8  
 Pathologist: GILES, H. - HEATH, J. - Blackshear, P.

Date Report Reqsted: 03/28/2006  
 Time Report Reqsted: 15:07:20  
 First Dose M/F: 09/26/01 / 09/26/01  
 Lab: SRI

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

DOSE	Females			
	0 MG/L	250 MG/L	500 MG/L	1000 MG/L

Liver  
 Eosinophilic Focus

**LESION RATES**

OVERALL (a)	1/50 (2%)	6/50 (12%)	9/50 (18%)	15/50 (30%)
POLY-3 RATE (b)	1/43.47	6/43.18	9/46.68	15/45.88
POLY-3 PERCENT (g)	2.3%	13.9%	19.3%	32.7%
TERMINAL (d)	1/34 (3%)	4/31 (13%)	6/37 (16%)	12/35 (34%)
FIRST INCIDENCE	729 (T)	682	540	637

**STATISTICAL TESTS**

LIFE TABLE	P<0.001**	P=0.049*	P=0.015*	P<0.001**
POLY 3	P<0.001**	P=0.054	P=0.011*	P<0.001**
POLY 1.5	P<0.001**	P=0.055	P=0.009**	P<0.001**
POLY 6	P<0.001**	P=0.052	P=0.013*	P<0.001**
LOGISTIC REGRESSION	P<0.001**	P=0.051	P=0.010**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.056	P=0.008**	P<0.001**
ORDER RESTRICTED	P<0.001**	(e)	(e)	(e)
MAX-ISO-POLY-3	P<0.001**	(e)	(e)	(e)

TDMS No. 96019-05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 WATER DISINFECTION BYPRODUCTS (BROMOCHLOROACETIC ACID)  
 CAS Number: 5589-96-8  
 Pathologist: GILES, H. - HEATH, J. - Blackshear, P.

Date Report Reqsted: 03/28/2006  
 Time Report Reqsted: 15:07:20  
 First Dose M/F: 09/26/01 / 09/26/01  
 Lab: SRI

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

DOSE	Females			
	0 MG/L	250 MG/L	500 MG/L	1000 MG/L

Liver  
 Hepatodiaphragmatic Nodule

**LESION RATES**

OVERALL (a)	11/50 (22%)	10/50 (20%)	5/50 (10%)	8/50 (16%)
POLY-3 RATE (b)	11/44.50	10/44.20	5/46.12	8/45.49
POLY-3 PERCENT (g)	24.7%	22.6%	10.8%	17.6%
TERMINAL (d)	8/34 (24%)	5/31 (16%)	4/37 (11%)	7/35 (20%)
FIRST INCIDENCE	505	618	478	637

**STATISTICAL TESTS**

LIFE TABLE	P=0.168N	P=0.569N	P=0.069N	P=0.282N
POLY 3	P=0.183N	P=0.507N	P=0.071N	P=0.284N
POLY 1.5	P=0.194N	P=0.503N	P=0.078N	P=0.295N
POLY 6	P=0.175N	P=0.514N	P=0.065N	P=0.275N
LOGISTIC REGRESSION	P=0.194N	P=0.505N	P=0.085N	P=0.281N
COCH-ARM / FISHERS	P=0.204N	P=0.500N	P=0.086N	P=0.306N
ORDER RESTRICTED	P=0.154N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.164N	(e)	(e)	(e)

TDMS No. 96019-05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 WATER DISINFECTION BYPRODUCTS (BROMOCHLOROACETIC ACID)  
 CAS Number: 5589-96-8  
 Pathologist: GILES, H. - HEATH, J. - Blackshear, P.

Date Report Requested: 03/28/2006  
 Time Report Requested: 15:07:20  
 First Dose M/F: 09/26/01 / 09/26/01  
 Lab: SRI

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

DOSE	Females			
	0 MG/L	250 MG/L	500 MG/L	1000 MG/L

Liver  
 Inflammation Chronic

**LESION RATES**

OVERALL (a)	14/50 (28%)	17/50 (34%)	19/50 (38%)	10/50 (20%)
POLY-3 RATE (b)	14/43.70	17/43.83	19/47.04	10/45.33
POLY-3 PERCENT (g)	32%	38.8%	40.4%	22.1%
TERMINAL (d)	13/34 (38%)	14/31 (45%)	16/37 (43%)	9/35 (26%)
FIRST INCIDENCE	668	568	478	682

**STATISTICAL TESTS**

LIFE TABLE	P=0.115N	P=0.231	P=0.281	P=0.207N
POLY 3	P=0.126N	P=0.329	P=0.271	P=0.204N
POLY 1.5	P=0.147N	P=0.334	P=0.233	P=0.221N
POLY 6	P=0.106N	P=0.316	P=0.311	P=0.189N
LOGISTIC REGRESSION	P=0.122N	P=0.277	P=0.233	P=0.189N
COCH-ARM / FISHERS	P=0.174N	P=0.333	P=0.198	P=0.241N
ORDER RESTRICTED	P=0.097N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.106N	(e)	(e)	(e)

TDMS No. 96019-05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 WATER DISINFECTION BYPRODUCTS (BROMOCHLOROACETIC ACID)  
 CAS Number: 5589-96-8  
 Pathologist: GILES, H. - HEATH, J. - Blackshear, P.

Date Report Requested: 03/28/2006  
 Time Report Requested: 15:07:20  
 First Dose M/F: 09/26/01 / 09/26/01  
 Lab: SRI

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

DOSE	Females			
	0 MG/L	250 MG/L	500 MG/L	1000 MG/L
<b>Liver</b>				
<b>Mixed Cell Focus</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/50 (2%)	4/50 (8%)	6/50 (12%)	10/50 (20%)
POLY-3 RATE (b)	1/43.47	4/43.15	6/45.40	10/45.21
POLY-3 PERCENT (g)	2.3%	9.3%	13.2%	22.1%
TERMINAL (d)	1/34 (3%)	2/31 (7%)	6/37 (16%)	9/35 (26%)
FIRST INCIDENCE	729 (T)	682	729 (T)	715
<b>STATISTICAL TESTS</b>				
LIFE TABLE	P=0.003**	P=0.159	P=0.071	P=0.006**
POLY 3	P=0.002**	P=0.176	P=0.063	P=0.005**
POLY 1.5	P=0.002**	P=0.178	P=0.059	P=0.004**
POLY 6	P=0.003**	P=0.171	P=0.066	P=0.005**
LOGISTIC REGRESSION	P=0.003**	P=0.168	P=0.071	P=0.005**
COCH-ARM / FISHERS	P=0.002**	P=0.181	P=0.056	P=0.004**
ORDER RESTRICTED	P=0.002**	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.003**	(e)	(e)	(e)

TDMS No. 96019-05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 WATER DISINFECTION BYPRODUCTS (BROMOCHLOROACETIC ACID)  
 CAS Number: 5589-96-8  
 Pathologist: GILES, H. - HEATH, J. - Blackshear, P.

Date Report Reqsted: 03/28/2006  
 Time Report Reqsted: 15:07:20  
 First Dose M/F: 09/26/01 / 09/26/01  
 Lab: SRI

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

DOSE	Females			
	0 MG/L	250 MG/L	500 MG/L	1000 MG/L

Liver  
 Necrosis Focal

**LESION RATES**

OVERALL (a)	0/50 (0%)	0/50 (0%)	1/50 (2%)	2/50 (4%)
POLY-3 RATE (b)	0/43.47	0/42.88	1/45.40	2/45.41
POLY-3 PERCENT (g)	0%	0%	2.2%	4.4%
TERMINAL (d)	0/34 (0%)	0/31 (0%)	1/37 (3%)	1/35 (3%)
FIRST INCIDENCE	---	---	729 (T)	660

**STATISTICAL TESTS**

LIFE TABLE	P=0.079	(e)	P=0.517	P=0.251
POLY 3	P=0.076	(e)	P=0.509	P=0.247
POLY 1.5	P=0.073	(e)	P=0.504	P=0.242
POLY 6	P=0.080	(e)	P=0.513	P=0.252
LOGISTIC REGRESSION	P=0.073	(e)	P=0.517	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=0.091	(e)	(e)	(e)



TDMS No. 96019-05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 WATER DISINFECTION BYPRODUCTS (BROMOCHLOROACETIC ACID)  
 CAS Number: 5589-96-8  
 Pathologist: GILES, H. - HEATH, J. - Blackshear, P.

Date Report Requested: 03/28/2006  
 Time Report Requested: 15:07:20  
 First Dose M/F: 09/26/01 / 09/26/01  
 Lab: SRI

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

DOSE	Females			
	0 MG/L	250 MG/L	500 MG/L	1000 MG/L

Liver: Bile Duct  
 Hyperplasia

**LESION RATES**

OVERALL (a)	19/50 (38%)	19/50 (38%)	21/50 (42%)	16/50 (32%)
POLY-3 RATE (b)	19/44.88	19/47.32	21/47.35	16/45.72
POLY-3 PERCENT (g)	42.3%	40.2%	44.4%	35%
TERMINAL (d)	13/34 (38%)	9/31 (29%)	14/37 (38%)	14/35 (40%)
FIRST INCIDENCE	612	395	540	636

**STATISTICAL TESTS**

LIFE TABLE	P=0.232N	P=0.486	P=0.540	P=0.300N
POLY 3	P=0.288N	P=0.500N	P=0.506	P=0.307N
POLY 1.5	P=0.298N	P=0.526N	P=0.462	P=0.320N
POLY 6	P=0.286N	P=0.486N	P=0.547	P=0.304N
LOGISTIC REGRESSION	P=0.292N	P=0.579N	P=0.453	P=0.276N
COCH-ARM / FISHERS	P=0.302N	P=0.582N	P=0.419	P=0.338N
ORDER RESTRICTED	P=0.381N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.389N	(e)	(e)	(e)

TDMS No. 96019-05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 WATER DISINFECTION BYPRODUCTS (BROMOCHLOROACETIC ACID)  
 CAS Number: 5589-96-8  
 Pathologist: GILES, H. - HEATH, J. - Blackshear, P.

Date Report Reqsted: 03/28/2006  
 Time Report Reqsted: 15:07:20  
 First Dose M/F: 09/26/01 / 09/26/01  
 Lab: SRI

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

DOSE	Females			
	0 MG/L	250 MG/L	500 MG/L	1000 MG/L

Liver: Centrilobular  
 Necrosis

**LESION RATES**

OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/43.47	0/42.88	0/45.40	0/45.15
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/34 (0%)	0/31 (0%)	0/37 (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. 96019-05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 WATER DISINFECTION BYPRODUCTS (BROMOCHLOROACETIC ACID)  
 CAS Number: 5589-96-8  
 Pathologist: GILES, H. - HEATH, J. - Blackshear, P.

Date Report Reqsted: 03/28/2006  
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 Lab: SRI

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

DOSE	Females			
	0 MG/L	250 MG/L	500 MG/L	1000 MG/L

Liver: Hepatocyte  
 Vacuolization Cytoplasmic

**LESION RATES**

OVERALL (a)	6/50 (12%)	4/50 (8%)	3/50 (6%)	3/50 (6%)
POLY-3 RATE (b)	6/46.04	4/44.61	3/45.69	3/46.07
POLY-3 PERCENT (g)	13%	9%	6.6%	6.5%
TERMINAL (d)	0/34 (0%)	1/31 (3%)	1/37 (3%)	0/35 (0%)
FIRST INCIDENCE	468	395	652	604

**STATISTICAL TESTS**

LIFE TABLE	P=0.175N	P=0.389N	P=0.229N	P=0.229N
POLY 3	P=0.184N	P=0.389N	P=0.246N	P=0.242N
POLY 1.5	P=0.189N	P=0.379N	P=0.247N	P=0.243N
POLY 6	P=0.180N	P=0.410N	P=0.247N	P=0.241N
LOGISTIC REGRESSION	P=0.193N	P=0.382N	P=0.231N	P=0.256N
COCH-ARM / FISHERS	P=0.189N	P=0.370N	P=0.243N	P=0.243N
ORDER RESTRICTED	P=0.210N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.216N	(e)	(e)	(e)

TDMS No. 96019-05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 WATER DISINFECTION BYPRODUCTS (BROMOCHLOROACETIC ACID)  
 CAS Number: 5589-96-8  
 Pathologist: GILES, H. - HEATH, J. - Blackshear, P.

Date Report Reqsted: 03/28/2006  
 Time Report Reqsted: 15:07:20  
 First Dose M/F: 09/26/01 / 09/26/01  
 Lab: SRI

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

DOSE	Females			
	0 MG/L	250 MG/L	500 MG/L	1000 MG/L

Lung  
 Congestion

**LESION RATES**

OVERALL (a)	0/50 (0%)	2/50 (4%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/43.47	2/44.23	0/45.40	0/45.15
POLY-3 PERCENT (g)	0%	4.5%	0%	0%
TERMINAL (d)	0/34 (0%)	0/31 (0%)	0/37 (0%)	0/35 (0%)
FIRST INCIDENCE	---	493	---	---

**STATISTICAL TESTS**

LIFE TABLE	P=0.399N	P=0.251	(e)	(e)
POLY 3	P=0.393N	P=0.241	(e)	(e)
POLY 1.5	P=0.398N	P=0.240	(e)	(e)
POLY 6	P=0.391N	P=0.239	(e)	(e)
LOGISTIC REGRESSION	P=0.369N	P=0.190	(e)	(e)
COCH-ARM / FISHERS	P=0.405N	P=0.247	(e)	(e)
ORDER RESTRICTED	P=0.243N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.255N	(e)	(e)	(e)

TDMS No. 96019-05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 WATER DISINFECTION BYPRODUCTS (BROMOCHLOROACETIC ACID)  
 CAS Number: 5589-96-8  
 Pathologist: GILES, H. - HEATH, J. - Blackshear, P.

Date Report Reqsted: 03/28/2006  
 Time Report Reqsted: 15:07:20  
 First Dose M/F: 09/26/01 / 09/26/01  
 Lab: SRI

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

DOSE	Females			
	0 MG/L	250 MG/L	500 MG/L	1000 MG/L

Lung  
 Hemorrhage

**LESION RATES**

OVERALL (a)	1/50 (2%)	0/50 (0%)	0/50 (0%)	2/50 (4%)
POLY-3 RATE (b)	1/43.47	0/42.88	0/45.40	2/45.15
POLY-3 PERCENT (g)	2.3%	0%	0%	4.4%
TERMINAL (d)	1/34 (3%)	0/31 (0%)	0/37 (0%)	2/35 (6%)
FIRST INCIDENCE	729 (T)	---	---	729 (T)

**STATISTICAL TESTS**

LIFE TABLE	P=0.261	P=0.518N	P=0.483N	P=0.510
POLY 3	P=0.253	P=0.503N	P=0.491N	P=0.513
POLY 1.5	P=0.249	P=0.501N	P=0.496N	P=0.507
POLY 6	P=0.258	P=0.506N	P=0.487N	P=0.519
LOGISTIC REGRESSION	P=0.261	(e)	(e)	P=0.510
COCH-ARM / FISHERS	P=0.246	P=0.500N	P=0.500N	P=0.500
ORDER RESTRICTED	P=0.140	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.151	(e)	(e)	(e)

TDMS No. 96019-05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 WATER DISINFECTION BYPRODUCTS (BROMOCHLOROACETIC ACID)  
 CAS Number: 5589-96-8  
 Pathologist: GILES, H. - HEATH, J. - Blackshear, P.

Date Report Requested: 03/28/2006  
 Time Report Requested: 15:07:20  
 First Dose M/F: 09/26/01 / 09/26/01  
 Lab: SRI

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

DOSE	Females			
	0 MG/L	250 MG/L	500 MG/L	1000 MG/L

Lung  
 Infiltration Cellular Histiocyte

**LESION RATES**

OVERALL (a)	36/50 (72%)	44/50 (88%)	44/50 (88%)	45/50 (90%)
POLY-3 RATE (b)	36/47.15	44/47.87	44/48.01	45/48.58
POLY-3 PERCENT (g)	76.4%	91.9%	91.7%	92.6%
TERMINAL (d)	28/34 (82%)	31/31 (100%)	35/37 (95%)	34/35 (97%)
FIRST INCIDENCE	468	395	478	381

**STATISTICAL TESTS**

LIFE TABLE	P=0.200	P=0.028*	P=0.214	P=0.094
POLY 3	P=0.019*	P=0.024*	P=0.029*	P=0.020*
POLY 1.5	P=0.015*	P=0.031*	P=0.026*	P=0.016*
POLY 6	P=0.026*	P=0.016*	P=0.032*	P=0.026*
LOGISTIC REGRESSION	P=0.025*	P=0.036*	P=0.045*	P=0.023*
COCH-ARM / FISHERS	P=0.022*	P=0.039*	P=0.039*	P=0.020*
ORDER RESTRICTED	P=0.004**	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.006**	(e)	(e)	(e)

TDMS No. 96019-05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 WATER DISINFECTION BYPRODUCTS (BROMOCHLOROACETIC ACID)  
 CAS Number: 5589-96-8  
 Pathologist: GILES, H. - HEATH, J. - Blackshear, P.

Date Report Reqsted: 03/28/2006  
 Time Report Reqsted: 15:07:20  
 First Dose M/F: 09/26/01 / 09/26/01  
 Lab: SRI

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

DOSE	Females			
	0 MG/L	250 MG/L	500 MG/L	1000 MG/L

Lung  
 Inflammation Chronic

**LESION RATES**

OVERALL (a)	8/50 (16%)	10/50 (20%)	6/50 (12%)	7/50 (14%)
POLY-3 RATE (b)	8/44.24	10/43.29	6/45.40	7/45.33
POLY-3 PERCENT (g)	18.1%	23.1%	13.2%	15.4%
TERMINAL (d)	6/34 (18%)	9/31 (29%)	6/37 (16%)	6/35 (17%)
FIRST INCIDENCE	525	610	729 (T)	682

**STATISTICAL TESTS**

LIFE TABLE	P=0.277N	P=0.326	P=0.324N	P=0.471N
POLY 3	P=0.306N	P=0.376	P=0.366N	P=0.479N
POLY 1.5	P=0.320N	P=0.387	P=0.379N	P=0.490N
POLY 6	P=0.292N	P=0.355	P=0.355N	P=0.471N
LOGISTIC REGRESSION	P=0.280N	P=0.379	P=0.354N	P=0.471N
COCH-ARM / FISHERS	P=0.334N	P=0.398	P=0.387N	P=0.500N
ORDER RESTRICTED	P=0.345N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.355N	(e)	(e)	(e)

TDMS No. 96019-05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 WATER DISINFECTION BYPRODUCTS (BROMOCHLOROACETIC ACID)  
 CAS Number: 5589-96-8  
 Pathologist: GILES, H. - HEATH, J. - Blackshear, P.

Date Report Requested: 03/28/2006  
 Time Report Requested: 15:07:20  
 First Dose M/F: 09/26/01 / 09/26/01  
 Lab: SRI

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

DOSE	Females			
	0 MG/L	250 MG/L	500 MG/L	1000 MG/L

**Lung: Alveolar Epithelium  
 Hyperplasia**

**LESION RATES**

OVERALL (a)	4/50 (8%)	7/50 (14%)	8/50 (16%)	18/50 (36%)
POLY-3 RATE (b)	4/43.70	7/43.07	8/45.40	18/46.40
POLY-3 PERCENT (g)	9.2%	16.3%	17.6%	38.8%
TERMINAL (d)	3/34 (9%)	6/31 (19%)	8/37 (22%)	13/35 (37%)
FIRST INCIDENCE	668	679	729 (T)	618

**STATISTICAL TESTS**

LIFE TABLE	P<0.001**	P=0.218	P=0.217	P=0.002**
POLY 3	P<0.001**	P=0.251	P=0.195	P<0.001**
POLY 1.5	P<0.001**	P=0.257	P=0.185	P<0.001**
POLY 6	P<0.001**	P=0.239	P=0.203	P<0.001**
LOGISTIC REGRESSION	P<0.001**	P=0.234	P=0.215	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.262	P=0.178	P<0.001**
ORDER RESTRICTED	P<0.001**	(e)	(e)	(e)
MAX-ISO-POLY-3	P<0.001**	(e)	(e)	(e)



TDMS No. 96019-05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 WATER DISINFECTION BYPRODUCTS (BROMOCHLOROACETIC ACID)  
 CAS Number: 5589-96-8  
 Pathologist: GILES, H. - HEATH, J. - Blackshear, P.

Date Report Requested: 03/28/2006  
 Time Report Requested: 15:07:20  
 First Dose M/F: 09/26/01 / 09/26/01  
 Lab: SRI

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

DOSE	Females			
	0 MG/L	250 MG/L	500 MG/L	1000 MG/L

**Lymph Node, Mesenteric  
 Hyperplasia Lymphoid**

**LESION RATES**

OVERALL (a)	2/50 (4%)	3/50 (6%)	3/50 (6%)	8/50 (16%)
POLY-3 RATE (b)	2/43.70	3/42.88	3/46.63	8/46.51
POLY-3 PERCENT (g)	4.6%	7%	6.4%	17.2%
TERMINAL (d)	1/34 (3%)	3/31 (10%)	1/37 (3%)	5/35 (14%)
FIRST INCIDENCE	668	729 (T)	30	258

**STATISTICAL TESTS**

LIFE TABLE	P=0.025*	P=0.462	P=0.519	P=0.059
POLY 3	P=0.021*	P=0.491	P=0.529	P=0.056
POLY 1.5	P=0.019*	P=0.496	P=0.519	P=0.052
POLY 6	P=0.024*	P=0.481	P=0.540	P=0.059
LOGISTIC REGRESSION	P=0.014*	P=0.483	P=0.546	P=0.043*
COCH-ARM / FISHERS	P=0.017*	P=0.500	P=0.500	P=0.046*
ORDER RESTRICTED	P=0.023*	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.030*	(e)	(e)	(e)

TDMS No. 96019-05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 WATER DISINFECTION BYPRODUCTS (BROMOCHLOROACETIC ACID)  
 CAS Number: 5589-96-8  
 Pathologist: GILES, H. - HEATH, J. - Blackshear, P.

Date Report Reqsted: 03/28/2006  
 Time Report Reqsted: 15:07:20  
 First Dose M/F: 09/26/01 / 09/26/01  
 Lab: SRI

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

DOSE	Females			
	0 MG/L	250 MG/L	500 MG/L	1000 MG/L

Lymph Node: Mediastinal Hemorrhage

**LESION RATES**

OVERALL (a)	2/15 (13%)	1/20 (5%)	0/11 (0%)	2/16 (13%)
POLY-3 RATE (b)	2/13.76	1/16.69	0/9.36	2/14.43
POLY-3 PERCENT (g)	14.5%	6%	0%	13.9%
TERMINAL (d)	2/10 (20%)	0/10 (0%)	0/8 (0%)	1/11 (9%)
FIRST INCIDENCE	729 (T)	525	---	604

**STATISTICAL TESTS**

LIFE TABLE	P=0.616	P=0.495N	P=0.284N	P=0.664N
POLY 3	P=0.577	P=0.431N	P=0.323N	P=0.682N
POLY 1.5	P=0.570	P=0.417N	P=0.325N	P=0.681N
POLY 6	P=0.589	P=0.451N	P=0.321N	P=0.681N
LOGISTIC REGRESSION	P=0.572	P=0.347N	(e)	P=0.683N
COCH-ARM / FISHERS	P=0.568	P=0.390N	P=0.323N	P=0.675N
ORDER RESTRICTED	P=0.403N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.412N	(e)	(e)	(e)

TDMS No. 96019-05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 WATER DISINFECTION BYPRODUCTS (BROMOCHLOROACETIC ACID)  
 CAS Number: 5589-96-8  
 Pathologist: GILES, H. - HEATH, J. - Blackshear, P.

Date Report Requested: 03/28/2006  
 Time Report Requested: 15:07:20  
 First Dose M/F: 09/26/01 / 09/26/01  
 Lab: SRI

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

DOSE	Females			
	0 MG/L	250 MG/L	500 MG/L	1000 MG/L

Lymph Node: Mediastinal  
 Hyperplasia Lymphoid

**LESION RATES**

OVERALL (a)	6/15 (40%)	14/20 (70%)	8/11 (73%)	11/16 (69%)
POLY-3 RATE (b)	6/14.65	14/18.37	8/10.36	11/15.42
POLY-3 PERCENT (g)	40.9%	76.2%	77.2%	71.3%
TERMINAL (d)	4/10 (40%)	8/10 (80%)	7/8 (88%)	8/11 (73%)
FIRST INCIDENCE	505	525	30	381

**STATISTICAL TESTS**

LIFE TABLE	P=0.324	P=0.026*	P=0.212	P=0.151
POLY 3	P=0.111	P=0.035*	P=0.073	P=0.088
POLY 1.5	P=0.121	P=0.046*	P=0.085	P=0.095
POLY 6	P=0.099	P=0.025*	P=0.057	P=0.081
LOGISTIC REGRESSION	P=0.136	P=0.078	P=0.130	P=0.123
COCH-ARM / FISHERS	P=0.133	P=0.076	P=0.104	P=0.106
ORDER RESTRICTED	P=0.026*	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.029*	(e)	(e)	(e)

TDMS No. 96019-05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 WATER DISINFECTION BYPRODUCTS (BROMOCHLOROACETIC ACID)  
 CAS Number: 5589-96-8  
 Pathologist: GILES, H. - HEATH, J. - Blackshear, P.

Date Report Reqsted: 03/28/2006  
 Time Report Reqsted: 15:07:20  
 First Dose M/F: 09/26/01 / 09/26/01  
 Lab: SRI

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

DOSE	Females			
	0 MG/L	250 MG/L	500 MG/L	1000 MG/L

**Lymph Node: Pancreatic  
 Hyperplasia Lymphoid**

**LESION RATES**

OVERALL (a)	1/15 (7%)	0/20 (0%)	1/11 (9%)	1/16 (6%)
POLY-3 RATE (b)	1/13.76	0/16.07	1/9.36	1/14.14
POLY-3 PERCENT (g)	7.3%	0%	10.7%	7.1%
TERMINAL (d)	1/10 (10%)	0/10 (0%)	1/8 (13%)	0/11 (0%)
FIRST INCIDENCE	729 (T)	---	729 (T)	692

**STATISTICAL TESTS**

LIFE TABLE	P=0.560	P=0.500N	P=0.716	P=0.744N
POLY 3	P=0.534	P=0.469N	P=0.673	P=0.756N
POLY 1.5	P=0.527	P=0.457N	P=0.671	P=0.753N
POLY 6	P=0.547	P=0.484N	P=0.674	P=0.757N
LOGISTIC REGRESSION	P=0.524	(e)	P=0.716	P=0.763N
COCH-ARM / FISHERS	P=0.520	P=0.429N	P=0.677	P=0.742N
ORDER RESTRICTED	P=0.436	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.444	(e)	(e)	(e)

TDMS No. 96019-05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 WATER DISINFECTION BYPRODUCTS (BROMOCHLOROACETIC ACID)  
 CAS Number: 5589-96-8  
 Pathologist: GILES, H. - HEATH, J. - Blackshear, P.

Date Report Requested: 03/28/2006  
 Time Report Requested: 15:07:20  
 First Dose M/F: 09/26/01 / 09/26/01  
 Lab: SRI

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

DOSE	Females			
	0 MG/L	250 MG/L	500 MG/L	1000 MG/L

**Mammary Gland  
 Cyst**

**LESION RATES**

OVERALL (a)	47/50 (94%)	47/50 (94%)	46/50 (92%)	45/50 (90%)
POLY-3 RATE (b)	47/47.89	47/48.38	46/48.28	45/47.53
POLY-3 PERCENT (g)	98.2%	97.2%	95.3%	94.7%
TERMINAL (d)	34/34 (100%)	31/31 (100%)	36/37 (97%)	34/35 (97%)
FIRST INCIDENCE	468	493	478	618

**STATISTICAL TESTS**

LIFE TABLE	P=0.150N	P=0.331	P=0.233N	P=0.301N
POLY 3	P=0.203N	P=0.681N	P=0.396N	P=0.330N
POLY 1.5	P=0.244N	P=0.680N	P=0.501N	P=0.366N
POLY 6	P=0.164N	P=0.678N	P=0.327N	P=0.292N
LOGISTIC REGRESSION	P=0.073N	P=0.600N	P=0.320N	P=0.106N
COCH-ARM / FISHERS	P=0.248N	P=0.661N	P=0.500N	P=0.357N
ORDER RESTRICTED	P=0.230N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.236N	(e)	(e)	(e)

TDMS No. 96019-05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 WATER DISINFECTION BYPRODUCTS (BROMOCHLOROACETIC ACID)  
 CAS Number: 5589-96-8  
 Pathologist: GILES, H. - HEATH, J. - Blackshear, P.

Date Report Requested: 03/28/2006  
 Time Report Requested: 15:07:20  
 First Dose M/F: 09/26/01 / 09/26/01  
 Lab: SRI

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

DOSE	Females			
	0 MG/L	250 MG/L	500 MG/L	1000 MG/L

**Mammary Gland  
 Hyperplasia**

**LESION RATES**

OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/43.47	0/42.88	0/45.40	0/45.15
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/34 (0%)	0/31 (0%)	0/37 (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. 96019-05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 WATER DISINFECTION BYPRODUCTS (BROMOCHLOROACETIC ACID)  
 CAS Number: 5589-96-8  
 Pathologist: GILES, H. - HEATH, J. - Blackshear, P.

Date Report Requested: 03/28/2006  
 Time Report Requested: 15:07:20  
 First Dose M/F: 09/26/01 / 09/26/01  
 Lab: SRI

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

DOSE	Females			
	0 MG/L	250 MG/L	500 MG/L	1000 MG/L

Mesentery: Fat  
 Necrosis

**LESION RATES**

OVERALL (a)	7/9 (78%)	9/9 (100%)	8/9 (89%)	4/6 (67%)
POLY-3 RATE (b)	7/8.82	9/9.00	8/8.95	4/5.86
POLY-3 PERCENT (g)	79.4%	100%	89.4%	68.3%
TERMINAL (d)	6/7 (86%)	6/6 (100%)	6/6 (100%)	3/4 (75%)
FIRST INCIDENCE	411	395	478	604

**STATISTICAL TESTS**

LIFE TABLE	P=0.363N	P=0.188	P=0.339	P=0.587N
POLY 3	P=0.327N	P=0.247	P=0.529	P=0.552N
POLY 1.5	P=0.327N	P=0.235	P=0.515	P=0.548N
POLY 6	P=0.329N	P=0.271	P=0.554	P=0.561N
LOGISTIC REGRESSION	P=0.334N	P=0.234	P=0.503	P=0.556N
COCH-ARM / FISHERS	P=0.326N	P=0.235	P=0.500	P=0.538N
ORDER RESTRICTED	P=0.223N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.229N	(e)	(e)	(e)

TDMS No. 96019-05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 WATER DISINFECTION BYPRODUCTS (BROMOCHLOROACETIC ACID)  
 CAS Number: 5589-96-8  
 Pathologist: GILES, H. - HEATH, J. - Blackshear, P.

Date Report Reqsted: 03/28/2006  
 Time Report Reqsted: 15:07:20  
 First Dose M/F: 09/26/01 / 09/26/01  
 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	250 MG/L	500 MG/L	1000 MG/L

---

Nose  
 Foreign Body

**LESION RATES**

OVERALL (a)	2/50 (4%)	1/50 (2%)	3/50 (6%)	2/50 (4%)
POLY-3 RATE (b)	2/43.47	1/43.27	3/45.40	2/45.38
POLY-3 PERCENT (g)	4.6%	2.3%	6.6%	4.4%
TERMINAL (d)	2/34 (6%)	0/31 (0%)	3/37 (8%)	1/35 (3%)
FIRST INCIDENCE	729 (T)	618	729 (T)	668

**STATISTICAL TESTS**

LIFE TABLE	P=0.532	P=0.524N	P=0.539	P=0.681N
POLY 3	P=0.525	P=0.502N	P=0.520	P=0.678N
POLY 1.5	P=0.513	P=0.500N	P=0.509	P=0.686N
POLY 6	P=0.539	P=0.506N	P=0.530	P=0.671N
LOGISTIC REGRESSION	P=0.516	P=0.501N	P=0.539	P=0.680N
COCH-ARM / FISHERS	P=0.500	P=0.500N	P=0.500	P=0.691N
ORDER RESTRICTED	P=0.506	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.517	(e)	(e)	(e)

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TDMS No. 96019-05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 WATER DISINFECTION BYPRODUCTS (BROMOCHLOROACETIC ACID)  
 CAS Number: 5589-96-8  
 Pathologist: GILES, H. - HEATH, J. - Blackshear, P.

Date Report Reqsted: 03/28/2006  
 Time Report Reqsted: 15:07:20  
 First Dose M/F: 09/26/01 / 09/26/01  
 Lab: SRI

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

DOSE	Females			
	0 MG/L	250 MG/L	500 MG/L	1000 MG/L

**Nose**  
**Inflammation Chronic**

**LESION RATES**

OVERALL (a)	3/50 (6%)	1/50 (2%)	3/50 (6%)	6/50 (12%)
POLY-3 RATE (b)	3/43.47	1/43.27	3/45.40	6/45.81
POLY-3 PERCENT (g)	6.9%	2.3%	6.6%	13.1%
TERMINAL (d)	3/34 (9%)	0/31 (0%)	3/37 (8%)	4/35 (11%)
FIRST INCIDENCE	729 (T)	618	729 (T)	604

**STATISTICAL TESTS**

LIFE TABLE	P=0.099	P=0.333N	P=0.624N	P=0.263
POLY 3	P=0.090	P=0.307N	P=0.642N	P=0.268
POLY 1.5	P=0.085	P=0.305N	P=0.653N	P=0.256
POLY 6	P=0.098	P=0.311N	P=0.632N	P=0.281
LOGISTIC REGRESSION	P=0.087	P=0.308N	P=0.624N	P=0.257
COCH-ARM / FISHERS	P=0.080	P=0.309N	P=0.661N	P=0.243
ORDER RESTRICTED	P=0.093	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.104	(e)	(e)	(e)

TDMS No. 96019-05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 WATER DISINFECTION BYPRODUCTS (BROMOCHLOROACETIC ACID)  
 CAS Number: 5589-96-8  
 Pathologist: GILES, H. - HEATH, J. - Blackshear, P.

Date Report Requested: 03/28/2006  
 Time Report Requested: 15:07:20  
 First Dose M/F: 09/26/01 / 09/26/01  
 Lab: SRI

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

DOSE	Females			
	0 MG/L	250 MG/L	500 MG/L	1000 MG/L
<b>Ovary Cyst</b>				
<b>LESION RATES</b>				
OVERALL (a)	7/50 (14%)	10/50 (20%)	6/50 (12%)	11/50 (22%)
POLY-3 RATE (b)	7/43.47	10/44.19	6/46.58	11/47.33
POLY-3 PERCENT (g)	16.1%	22.6%	12.9%	23.2%
TERMINAL (d)	7/34 (21%)	6/31 (19%)	3/37 (8%)	5/35 (14%)
FIRST INCIDENCE	729 (T)	596	540	258
<b>STATISTICAL TESTS</b>				
LIFE TABLE	P=0.312	P=0.242	P=0.441N	P=0.256
POLY 3	P=0.308	P=0.307	P=0.447N	P=0.278
POLY 1.5	P=0.280	P=0.304	P=0.473N	P=0.253
POLY 6	P=0.340	P=0.309	P=0.417N	P=0.308
LOGISTIC REGRESSION	P=0.236	P=0.283	P=0.488N	P=0.211
COCH-ARM / FISHERS	P=0.242	P=0.298	P=0.500N	P=0.218
ORDER RESTRICTED	P=0.304	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.326	(e)	(e)	(e)

TDMS No. 96019-05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 WATER DISINFECTION BYPRODUCTS (BROMOCHLOROACETIC ACID)  
 CAS Number: 5589-96-8  
 Pathologist: GILES, H. - HEATH, J. - Blackshear, P.

Date Report Reqsted: 03/28/2006  
 Time Report Reqsted: 15:07:20  
 First Dose M/F: 09/26/01 / 09/26/01  
 Lab: SRI

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

DOSE	Females			
	0 MG/L	250 MG/L	500 MG/L	1000 MG/L

**Pancreas  
 Atrophy**

**LESION RATES**

OVERALL (a)	21/50 (42%)	20/50 (40%)	22/50 (44%)	22/50 (44%)
POLY-3 RATE (b)	21/45.25	20/44.37	22/45.68	22/46.02
POLY-3 PERCENT (g)	46.4%	45.1%	48.2%	47.8%
TERMINAL (d)	15/34 (44%)	16/31 (52%)	20/37 (54%)	18/35 (51%)
FIRST INCIDENCE	483	507	668	660

**STATISTICAL TESTS**

LIFE TABLE	P=0.536N	P=0.533	P=0.525N	P=0.554
POLY 3	P=0.457	P=0.534N	P=0.517	P=0.531
POLY 1.5	P=0.432	P=0.515N	P=0.502	P=0.514
POLY 6	P=0.485	P=0.575N	P=0.523	P=0.543
LOGISTIC REGRESSION	P=0.524	P=0.519N	P=0.574N	P=0.568
COCH-ARM / FISHERS	P=0.414	P=0.500N	P=0.500	P=0.500
ORDER RESTRICTED	P=0.641	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.643	(e)	(e)	(e)

TDMS No. 96019-05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 WATER DISINFECTION BYPRODUCTS (BROMOCHLOROACETIC ACID)  
 CAS Number: 5589-96-8  
 Pathologist: GILES, H. - HEATH, J. - Blackshear, P.

Date Report Requested: 03/28/2006  
 Time Report Requested: 15:07:20  
 First Dose M/F: 09/26/01 / 09/26/01  
 Lab: SRI

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

DOSE	Females			
	0 MG/L	250 MG/L	500 MG/L	1000 MG/L

**Pancreas: Acinus  
 Hyperplasia Focal**

**LESION RATES**

OVERALL (a)	2/50 (4%)	1/50 (2%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	2/43.47	1/43.36	1/45.40	0/45.15
POLY-3 PERCENT (g)	4.6%	2.3%	2.2%	0%
TERMINAL (d)	2/34 (6%)	0/31 (0%)	1/37 (3%)	0/35 (0%)
FIRST INCIDENCE	729 (T)	584	729 (T)	---

**STATISTICAL TESTS**

LIFE TABLE	P=0.142N	P=0.519N	P=0.470N	P=0.232N
POLY 3	P=0.147N	P=0.501N	P=0.485N	P=0.229N
POLY 1.5	P=0.151N	P=0.500N	P=0.493N	P=0.233N
POLY 6	P=0.144N	P=0.505N	P=0.477N	P=0.225N
LOGISTIC REGRESSION	P=0.152N	P=0.500N	P=0.470N	(e)
COCH-ARM / FISHERS	P=0.153N	P=0.500N	P=0.500N	P=0.247N
ORDER RESTRICTED	P=0.111N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.122N	(e)	(e)	(e)

TDMS No. 96019-05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 WATER DISINFECTION BYPRODUCTS (BROMOCHLOROACETIC ACID)  
 CAS Number: 5589-96-8  
 Pathologist: GILES, H. - HEATH, J. - Blackshear, P.

Date Report Requested: 03/28/2006  
 Time Report Requested: 15:07:20  
 First Dose M/F: 09/26/01 / 09/26/01  
 Lab: SRI

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

DOSE	Females			
	0 MG/L	250 MG/L	500 MG/L	1000 MG/L

**Pituitary Gland: Pars Distalis**  
**Angiectasis**

**LESION RATES**

OVERALL (a)	32/50 (64%)	32/50 (64%)	33/50 (66%)	30/50 (60%)
POLY-3 RATE (b)	32/47.09	32/47.01	33/46.97	30/46.35
POLY-3 PERCENT (g)	68%	68.1%	70.3%	64.7%
TERMINAL (d)	22/34 (65%)	20/31 (65%)	25/37 (68%)	24/35 (69%)
FIRST INCIDENCE	468	493	631	636

**STATISTICAL TESTS**

LIFE TABLE	P=0.248N	P=0.423	P=0.467N	P=0.358N
POLY 3	P=0.409N	P=0.584	P=0.492	P=0.455N
POLY 1.5	P=0.405N	P=0.584	P=0.476	P=0.447N
POLY 6	P=0.420N	P=0.583	P=0.510	P=0.469N
LOGISTIC REGRESSION	P=0.302N	P=0.578	P=0.552	P=0.359N
COCH-ARM / FISHERS	P=0.373N	P=0.582N	P=0.500	P=0.418N
ORDER RESTRICTED	P=0.527N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.534N	(e)	(e)	(e)

TDMS No. 96019-05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 WATER DISINFECTION BYPRODUCTS (BROMOCHLOROACETIC ACID)  
 CAS Number: 5589-96-8  
 Pathologist: GILES, H. - HEATH, J. - Blackshear, P.

Date Report Requested: 03/28/2006  
 Time Report Requested: 15:07:20  
 First Dose M/F: 09/26/01 / 09/26/01  
 Lab: SRI

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

DOSE	Females			
	0 MG/L	250 MG/L	500 MG/L	1000 MG/L

**Pituitary Gland: Pars Distalis  
 Cyst**

**LESION RATES**

OVERALL (a)	28/50 (56%)	27/50 (54%)	31/50 (62%)	29/50 (58%)
POLY-3 RATE (b)	28/46.07	27/44.65	31/47.88	29/49.24
POLY-3 PERCENT (g)	60.8%	60.5%	64.7%	58.9%
TERMINAL (d)	20/34 (59%)	21/31 (68%)	22/37 (60%)	19/35 (54%)
FIRST INCIDENCE	505	525	540	258

**STATISTICAL TESTS**

LIFE TABLE	P=0.509N	P=0.497	P=0.518	P=0.567N
POLY 3	P=0.475N	P=0.576N	P=0.426	P=0.509N
POLY 1.5	P=0.525	P=0.538N	P=0.375	P=0.564N
POLY 6	P=0.391N	P=0.541	P=0.483	P=0.459N
LOGISTIC REGRESSION	P=0.426	P=0.522N	P=0.376	P=0.495
COCH-ARM / FISHERS	P=0.395	P=0.500N	P=0.342	P=0.500
ORDER RESTRICTED	P=0.584N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.592N	(e)	(e)	(e)

TDMS No. 96019-05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 WATER DISINFECTION BYPRODUCTS (BROMOCHLOROACETIC ACID)  
 CAS Number: 5589-96-8  
 Pathologist: GILES, H. - HEATH, J. - Blackshear, P.

Date Report Requested: 03/28/2006  
 Time Report Requested: 15:07:20  
 First Dose M/F: 09/26/01 / 09/26/01  
 Lab: SRI

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

DOSE	Females			
	0 MG/L	250 MG/L	500 MG/L	1000 MG/L

**Pituitary Gland: Pars Distalis  
 Hyperplasia Focal**

**LESION RATES**

OVERALL (a)	14/50 (28%)	11/50 (22%)	6/50 (12%)	17/50 (34%)
POLY-3 RATE (b)	14/44.56	11/45.22	6/45.99	17/45.71
POLY-3 PERCENT (g)	31.4%	24.3%	13.1%	37.2%
TERMINAL (d)	11/34 (32%)	5/31 (16%)	5/37 (14%)	14/35 (40%)
FIRST INCIDENCE	525	395	540	668

**STATISTICAL TESTS**

LIFE TABLE	P=0.327	P=0.398N	P=0.028N*	P=0.377
POLY 3	P=0.262	P=0.303N	P=0.029N*	P=0.361
POLY 1.5	P=0.253	P=0.307N	P=0.034N*	P=0.346
POLY 6	P=0.273	P=0.307N	P=0.026N*	P=0.373
LOGISTIC REGRESSION	P=0.265	P=0.322N	P=0.036N*	P=0.386
COCH-ARM / FISHERS	P=0.251	P=0.322N	P=0.039N*	P=0.333
ORDER RESTRICTED	P=0.088	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.095	(e)	(e)	(e)

TDMS No. 96019-05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 WATER DISINFECTION BYPRODUCTS (BROMOCHLOROACETIC ACID)  
 CAS Number: 5589-96-8  
 Pathologist: GILES, H. - HEATH, J. - Blackshear, P.

Date Report Reqsted: 03/28/2006  
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 Lab: SRI

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

DOSE	Females			
	0 MG/L	250 MG/L	500 MG/L	1000 MG/L

**Skin  
 Cyst Epithelial Inclusion**

**LESION RATES**

OVERALL (a)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/43.47	1/42.88	0/45.40	0/45.15
POLY-3 PERCENT (g)	0%	2.3%	0%	0%
TERMINAL (d)	0/34 (0%)	1/31 (3%)	0/37 (0%)	0/35 (0%)
FIRST INCIDENCE	---	729 (T)	---	---

**STATISTICAL TESTS**

LIFE TABLE	P=0.557N	P=0.482	(e)	(e)
POLY 3	P=0.565N	P=0.497	(e)	(e)
POLY 1.5	P=0.566N	P=0.499	(e)	(e)
POLY 6	P=0.565N	P=0.494	(e)	(e)
LOGISTIC REGRESSION	(e)	P=0.482	(e)	(e)
COCH-ARM / FISHERS	P=0.567N	P=0.500	(e)	(e)
ORDER RESTRICTED	P=0.371N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.383N	(e)	(e)	(e)



TDMS No. 96019-05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 WATER DISINFECTION BYPRODUCTS (BROMOCHLOROACETIC ACID)  
 CAS Number: 5589-96-8  
 Pathologist: GILES, H. - HEATH, J. - Blackshear, P.

Date Report Requested: 03/28/2006  
 Time Report Requested: 15:07:20  
 First Dose M/F: 09/26/01 / 09/26/01  
 Lab: SRI

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

DOSE	Females			
	0 MG/L	250 MG/L	500 MG/L	1000 MG/L

**Skin  
 Hyperplasia**

**LESION RATES**

OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/43.47	0/42.88	0/45.40	0/45.15
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/34 (0%)	0/31 (0%)	0/37 (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. 96019-05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 WATER DISINFECTION BYPRODUCTS (BROMOCHLOROACETIC ACID)  
 CAS Number: 5589-96-8  
 Pathologist: GILES, H. - HEATH, J. - Blackshear, P.

Date Report Requested: 03/28/2006  
 Time Report Requested: 15:07:20  
 First Dose M/F: 09/26/01 / 09/26/01  
 Lab: SRI

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

DOSE	Females			
	0 MG/L	250 MG/L	500 MG/L	1000 MG/L

**Spleen  
 Fibrosis**

**LESION RATES**

OVERALL (a)	0/50 (0%)	0/50 (0%)	1/50 (2%)	2/50 (4%)
POLY-3 RATE (b)	0/43.47	0/42.88	1/45.45	2/45.15
POLY-3 PERCENT (g)	0%	0%	2.2%	4.4%
TERMINAL (d)	0/34 (0%)	0/31 (0%)	0/37 (0%)	2/35 (6%)
FIRST INCIDENCE	---	---	717	729 (T)

**STATISTICAL TESTS**

LIFE TABLE	P=0.078	(e)	P=0.522	P=0.245
POLY 3	P=0.075	(e)	P=0.509	P=0.246
POLY 1.5	P=0.073	(e)	P=0.504	P=0.242
POLY 6	P=0.078	(e)	P=0.514	P=0.249
LOGISTIC REGRESSION	P=0.078	(e)	P=0.512	P=0.245
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=0.089	(e)	(e)	(e)

TDMS No. 96019-05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 WATER DISINFECTION BYPRODUCTS (BROMOCHLOROACETIC ACID)  
 CAS Number: 5589-96-8  
 Pathologist: GILES, H. - HEATH, J. - Blackshear, P.

Date Report Requested: 03/28/2006  
 Time Report Requested: 15:07:20  
 First Dose M/F: 09/26/01 / 09/26/01  
 Lab: SRI

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

DOSE	Females			
	0 MG/L	250 MG/L	500 MG/L	1000 MG/L

**Spleen  
 Hematopoietic Cell Proliferation**

**LESION RATES**

OVERALL (a)	3/50 (6%)	11/50 (22%)	10/50 (20%)	8/50 (16%)
POLY-3 RATE (b)	3/43.70	11/44.41	10/47.04	8/47.09
POLY-3 PERCENT (g)	6.9%	24.8%	21.3%	17%
TERMINAL (d)	2/34 (6%)	7/31 (23%)	7/37 (19%)	2/35 (6%)
FIRST INCIDENCE	668	525	478	381

**STATISTICAL TESTS**

LIFE TABLE	P=0.279	P=0.019*	P=0.055	P=0.127
POLY 3	P=0.285	P=0.020*	P=0.047*	P=0.123
POLY 1.5	P=0.254	P=0.020*	P=0.041*	P=0.113
POLY 6	P=0.322	P=0.019*	P=0.054	P=0.136
LOGISTIC REGRESSION	P=0.206	P=0.022*	P=0.037*	P=0.092
COCH-ARM / FISHERS	P=0.217	P=0.020*	P=0.036*	P=0.100
ORDER RESTRICTED	P=0.055	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.069	(e)	(e)	(e)

TDMS No. 96019-05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 WATER DISINFECTION BYPRODUCTS (BROMOCHLOROACETIC ACID)  
 CAS Number: 5589-96-8  
 Pathologist: GILES, H. - HEATH, J. - Blackshear, P.

Date Report Requested: 03/28/2006  
 Time Report Requested: 15:07:20  
 First Dose M/F: 09/26/01 / 09/26/01  
 Lab: SRI

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

DOSE	Females			
	0 MG/L	250 MG/L	500 MG/L	1000 MG/L

**Spleen  
 Pigmentation**

**LESION RATES**

OVERALL (a)	3/50 (6%)	6/50 (12%)	4/50 (8%)	2/50 (4%)
POLY-3 RATE (b)	3/45.58	6/43.45	4/45.40	2/46.54
POLY-3 PERCENT (g)	6.6%	13.8%	8.8%	4.3%
TERMINAL (d)	0/34 (0%)	4/31 (13%)	4/37 (11%)	0/35 (0%)
FIRST INCIDENCE	468	618	729 (T)	258

**STATISTICAL TESTS**

LIFE TABLE	P=0.255N	P=0.229	P=0.527	P=0.492N
POLY 3	P=0.262N	P=0.218	P=0.498	P=0.491N
POLY 1.5	P=0.269N	P=0.228	P=0.495	P=0.494N
POLY 6	P=0.256N	P=0.205	P=0.500	P=0.488N
LOGISTIC REGRESSION	P=0.285N	P=0.232	P=0.515	P=0.591N
COCH-ARM / FISHERS	P=0.278N	P=0.243	P=0.500	P=0.500N
ORDER RESTRICTED	P=0.243N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.252N	(e)	(e)	(e)

TDMS No. 96019-05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 WATER DISINFECTION BYPRODUCTS (BROMOCHLOROACETIC ACID)  
 CAS Number: 5589-96-8  
 Pathologist: GILES, H. - HEATH, J. - Blackshear, P.

Date Report Requested: 03/28/2006  
 Time Report Requested: 15:07:20  
 First Dose M/F: 09/26/01 / 09/26/01  
 Lab: SRI

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

DOSE	Females			
	0 MG/L	250 MG/L	500 MG/L	1000 MG/L

Stomach, Forestomach  
 Edema

**LESION RATES**

OVERALL (a)	0/50 (0%)	2/50 (4%)	2/50 (4%)	1/50 (2%)
POLY-3 RATE (b)	0/43.47	2/44.25	2/45.77	1/45.38
POLY-3 PERCENT (g)	0%	4.5%	4.4%	2.2%
TERMINAL (d)	0/34 (0%)	0/31 (0%)	0/37 (0%)	0/35 (0%)
FIRST INCIDENCE	---	395	652	668

**STATISTICAL TESTS**

LIFE TABLE	P=0.491	P=0.245	P=0.260	P=0.510
POLY 3	P=0.493	P=0.241	P=0.249	P=0.509
POLY 1.5	P=0.482	P=0.240	P=0.243	P=0.505
POLY 6	P=0.505	P=0.239	P=0.255	P=0.513
LOGISTIC REGRESSION	P=0.473	P=0.178	P=0.237	P=0.497
COCH-ARM / FISHERS	P=0.469	P=0.247	P=0.247	P=0.500
ORDER RESTRICTED	P=0.234	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.245	(e)	(e)	(e)

TDMS No. 96019-05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 WATER DISINFECTION BYPRODUCTS (BROMOCHLOROACETIC ACID)  
 CAS Number: 5589-96-8  
 Pathologist: GILES, H. - HEATH, J. - Blackshear, P.

Date Report Requested: 03/28/2006  
 Time Report Requested: 15:07:20  
 First Dose M/F: 09/26/01 / 09/26/01  
 Lab: SRI

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

DOSE	Females			
	0 MG/L	250 MG/L	500 MG/L	1000 MG/L

Stomach, Forestomach  
 Ulcer

**LESION RATES**

OVERALL (a)	1/50 (2%)	2/50 (4%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	1/44.21	2/44.25	0/45.40	1/46.11
POLY-3 PERCENT (g)	2.3%	4.5%	0%	2.2%
TERMINAL (d)	0/34 (0%)	0/31 (0%)	0/37 (0%)	0/35 (0%)
FIRST INCIDENCE	468	395	---	258

**STATISTICAL TESTS**

LIFE TABLE	P=0.499N	P=0.505	P=0.500N	P=0.758
POLY 3	P=0.491N	P=0.500	P=0.495N	P=0.751N
POLY 1.5	P=0.495N	P=0.501	P=0.498N	P=0.755N
POLY 6	P=0.488N	P=0.496	P=0.491N	P=0.749N
LOGISTIC REGRESSION	P=0.395N	P=0.419	P=0.409N	P=0.628N
COCH-ARM / FISHERS	P=0.500N	P=0.500	P=0.500N	P=0.753N
ORDER RESTRICTED	P=0.364N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.378N	(e)	(e)	(e)

TDMS No. 96019-05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 WATER DISINFECTION BYPRODUCTS (BROMOCHLOROACETIC ACID)  
 CAS Number: 5589-96-8  
 Pathologist: GILES, H. - HEATH, J. - Blackshear, P.

Date Report Reqsted: 03/28/2006  
 Time Report Reqsted: 15:07:20  
 First Dose M/F: 09/26/01 / 09/26/01  
 Lab: SRI

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

DOSE	Females			
	0 MG/L	250 MG/L	500 MG/L	1000 MG/L

**Stomach, Forestomach: Epithelium  
 Hyperplasia**

**LESION RATES**

OVERALL (a)	6/50 (12%)	2/50 (4%)	3/50 (6%)	6/50 (12%)
POLY-3 RATE (b)	6/44.24	2/44.25	3/45.77	6/46.92
POLY-3 PERCENT (g)	13.6%	4.5%	6.6%	12.8%
TERMINAL (d)	2/34 (6%)	0/31 (0%)	0/37 (0%)	2/35 (6%)
FIRST INCIDENCE	637	395	652	258

**STATISTICAL TESTS**

LIFE TABLE	P=0.459	P=0.159N	P=0.218N	P=0.588N
POLY 3	P=0.448	P=0.132N	P=0.225N	P=0.579N
POLY 1.5	P=0.433	P=0.131N	P=0.235N	P=0.594N
POLY 6	P=0.464	P=0.138N	P=0.218N	P=0.568N
LOGISTIC REGRESSION	P=0.398	P=0.132N	P=0.240N	P=0.601
COCH-ARM / FISHERS	P=0.415	P=0.134N	P=0.243N	P=0.620N
ORDER RESTRICTED	P=0.289N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.305N	(e)	(e)	(e)

TDMS No. 96019-05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 WATER DISINFECTION BYPRODUCTS (BROMOCHLOROACETIC ACID)  
 CAS Number: 5589-96-8  
 Pathologist: GILES, H. - HEATH, J. - Blackshear, P.

Date Report Requested: 03/28/2006  
 Time Report Requested: 15:07:20  
 First Dose M/F: 09/26/01 / 09/26/01  
 Lab: SRI

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

DOSE	Females			
	0 MG/L	250 MG/L	500 MG/L	1000 MG/L

Stomach, Glandular  
 Edema

**LESION RATES**

OVERALL (a)	0/50 (0%)	1/50 (2%)	3/50 (6%)	2/50 (4%)
POLY-3 RATE (b)	0/43.47	1/43.41	3/45.77	2/45.53
POLY-3 PERCENT (g)	0%	2.3%	6.6%	4.4%
TERMINAL (d)	0/34 (0%)	0/31 (0%)	0/37 (0%)	0/35 (0%)
FIRST INCIDENCE	---	568	652	668

**STATISTICAL TESTS**

LIFE TABLE	P=0.189	P=0.509	P=0.142	P=0.251
POLY 3	P=0.181	P=0.500	P=0.128	P=0.248
POLY 1.5	P=0.172	P=0.500	P=0.123	P=0.243
POLY 6	P=0.191	P=0.497	P=0.134	P=0.253
LOGISTIC REGRESSION	P=0.159	P=0.490	P=0.121	P=0.235
COCH-ARM / FISHERS	P=0.163	P=0.500	P=0.121	P=0.247
ORDER RESTRICTED	P=0.116	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.129	(e)	(e)	(e)



TDMS No. 96019-05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 WATER DISINFECTION BYPRODUCTS (BROMOCHLOROACETIC ACID)  
 CAS Number: 5589-96-8  
 Pathologist: GILES, H. - HEATH, J. - Blackshear, P.

Date Report Reqsted: 03/28/2006  
 Time Report Reqsted: 15:07:20  
 First Dose M/F: 09/26/01 / 09/26/01  
 Lab: SRI

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

DOSE	Females			
	0 MG/L	250 MG/L	500 MG/L	1000 MG/L

**Stomach, Glandular  
 Erosion**

**LESION RATES**

OVERALL (a)	2/50 (4%)	0/50 (0%)	5/50 (10%)	2/50 (4%)
POLY-3 RATE (b)	2/43.99	0/42.88	5/46.14	2/45.88
POLY-3 PERCENT (g)	4.6%	0%	10.8%	4.4%
TERMINAL (d)	0/34 (0%)	0/31 (0%)	1/37 (3%)	0/35 (0%)
FIRST INCIDENCE	637	---	627	618

**STATISTICAL TESTS**

LIFE TABLE	P=0.432	P=0.251N	P=0.259	P=0.662N
POLY 3	P=0.421	P=0.243N	P=0.236	P=0.679N
POLY 1.5	P=0.404	P=0.240N	P=0.226	P=0.686N
POLY 6	P=0.442	P=0.249N	P=0.246	P=0.673N
LOGISTIC REGRESSION	P=0.379	P=0.237N	P=0.215	P=0.690
COCH-ARM / FISHERS	P=0.387	P=0.247N	P=0.218	P=0.691N
ORDER RESTRICTED	P=0.192	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.206	(e)	(e)	(e)

TDMS No. 96019-05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 WATER DISINFECTION BYPRODUCTS (BROMOCHLOROACETIC ACID)  
 CAS Number: 5589-96-8  
 Pathologist: GILES, H. - HEATH, J. - Blackshear, P.

Date Report Requested: 03/28/2006  
 Time Report Requested: 15:07:20  
 First Dose M/F: 09/26/01 / 09/26/01  
 Lab: SRI

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

DOSE	Females			
	0 MG/L	250 MG/L	500 MG/L	1000 MG/L

**Stomach, Glandular  
 Ulcer**

**LESION RATES**

OVERALL (a)	0/50 (0%)	2/50 (4%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	0/43.47	2/43.77	0/45.40	1/45.38
POLY-3 PERCENT (g)	0%	4.6%	0%	2.2%
TERMINAL (d)	0/34 (0%)	0/31 (0%)	0/37 (0%)	0/35 (0%)
FIRST INCIDENCE	---	568	---	668

**STATISTICAL TESTS**

LIFE TABLE	P=0.559	P=0.239	(e)	P=0.510
POLY 3	P=0.555	P=0.239	(e)	P=0.509
POLY 1.5	P=0.548	P=0.238	(e)	P=0.505
POLY 6	P=0.562	P=0.237	(e)	P=0.513
LOGISTIC REGRESSION	P=0.540	P=0.227	(e)	P=0.497
COCH-ARM / FISHERS	P=0.539	P=0.247	(e)	P=0.500
ORDER RESTRICTED	P=0.329	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.343	(e)	(e)	(e)

TDMS No. 96019-05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 WATER DISINFECTION BYPRODUCTS (BROMOCHLOROACETIC ACID)  
 CAS Number: 5589-96-8  
 Pathologist: GILES, H. - HEATH, J. - Blackshear, P.

Date Report Requested: 03/28/2006  
 Time Report Requested: 15:07:20  
 First Dose M/F: 09/26/01 / 09/26/01  
 Lab: SRI

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

DOSE	Females			
	0 MG/L	250 MG/L	500 MG/L	1000 MG/L

**Thyroid Gland  
 Ultimobranchial Cyst**

**LESION RATES**

OVERALL (a)	1/49 (2%)	1/50 (2%)	2/50 (4%)	1/50 (2%)
POLY-3 RATE (b)	1/42.61	1/42.88	2/46.45	1/45.15
POLY-3 PERCENT (g)	2.4%	2.3%	4.3%	2.2%
TERMINAL (d)	1/34 (3%)	1/31 (3%)	0/37 (0%)	1/35 (3%)
FIRST INCIDENCE	729 (T)	729 (T)	478	729 (T)

**STATISTICAL TESTS**

LIFE TABLE	P=0.609	P=0.741	P=0.517	P=0.755N
POLY 3	P=0.616	P=0.759N	P=0.530	P=0.748N
POLY 1.5	P=0.606	P=0.757N	P=0.519	P=0.751N
POLY 6	P=0.619N	P=0.758	P=0.541	P=0.745N
LOGISTIC REGRESSION	P=0.591	P=0.741	P=0.528	P=0.755N
COCH-ARM / FISHERS	P=0.596	P=0.747N	P=0.508	P=0.747N
ORDER RESTRICTED	P=0.617	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.621	(e)	(e)	(e)

TDMS No. 96019-05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 WATER DISINFECTION BYPRODUCTS (BROMOCHLOROACETIC ACID)  
 CAS Number: 5589-96-8  
 Pathologist: GILES, H. - HEATH, J. - Blackshear, P.

Date Report Reqsted: 03/28/2006  
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 First Dose M/F: 09/26/01 / 09/26/01  
 Lab: SRI

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

DOSE	Females			
	0 MG/L	250 MG/L	500 MG/L	1000 MG/L

**Thyroid Gland: C-Cell  
 Hyperplasia**

**LESION RATES**

OVERALL (a)	25/49 (51%)	28/50 (56%)	23/50 (46%)	23/50 (46%)
POLY-3 RATE (b)	25/44.48	28/44.76	23/47.28	23/45.71
POLY-3 PERCENT (g)	56.2%	62.6%	48.7%	50.3%
TERMINAL (d)	19/34 (56%)	21/31 (68%)	19/37 (51%)	21/35 (60%)
FIRST INCIDENCE	525	610	478	618

**STATISTICAL TESTS**

LIFE TABLE	P=0.173N	P=0.227	P=0.295N	P=0.356N
POLY 3	P=0.206N	P=0.343	P=0.302N	P=0.362N
POLY 1.5	P=0.225N	P=0.364	P=0.340N	P=0.371N
POLY 6	P=0.199N	P=0.305	P=0.278N	P=0.370N
LOGISTIC REGRESSION	P=0.166N	P=0.349	P=0.342N	P=0.290N
COCH-ARM / FISHERS	P=0.247N	P=0.384	P=0.383N	P=0.383N
ORDER RESTRICTED	P=0.268N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.275N	(e)	(e)	(e)

TDMS No. 96019-05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 WATER DISINFECTION BYPRODUCTS (BROMOCHLOROACETIC ACID)  
 CAS Number: 5589-96-8  
 Pathologist: GILES, H. - HEATH, J. - Blackshear, P.

Date Report Requested: 03/28/2006  
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 First Dose M/F: 09/26/01 / 09/26/01  
 Lab: SRI

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

DOSE	Females			
	0 MG/L	250 MG/L	500 MG/L	1000 MG/L

**Thyroid Gland: Follicle  
 Cyst**

**LESION RATES**

OVERALL (a)	5/49 (10%)	3/50 (6%)	2/50 (4%)	4/50 (8%)
POLY-3 RATE (b)	5/42.61	3/43.06	2/45.76	4/45.15
POLY-3 PERCENT (g)	11.7%	7%	4.4%	8.9%
TERMINAL (d)	5/34 (15%)	2/31 (7%)	1/37 (3%)	4/35 (11%)
FIRST INCIDENCE	729 (T)	682	627	729 (T)

**STATISTICAL TESTS**

LIFE TABLE	P=0.420N	P=0.405N	P=0.185N	P=0.482N
POLY 3	P=0.432N	P=0.350N	P=0.188N	P=0.464N
POLY 1.5	P=0.442N	P=0.347N	P=0.198N	P=0.475N
POLY 6	P=0.420N	P=0.358N	P=0.177N	P=0.455N
LOGISTIC REGRESSION	P=0.413N	P=0.381N	P=0.189N	P=0.482N
COCH-ARM / FISHERS	P=0.453N	P=0.346N	P=0.210N	P=0.487N
ORDER RESTRICTED	P=0.298N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.312N	(e)	(e)	(e)

TDMS No. 96019-05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 WATER DISINFECTION BYPRODUCTS (BROMOCHLOROACETIC ACID)  
 CAS Number: 5589-96-8  
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Date Report Reqsted: 03/28/2006  
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 First Dose M/F: 09/26/01 / 09/26/01  
 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	250 MG/L	500 MG/L	1000 MG/L

---

Tooth  
 Malformation

**LESION RATES**

OVERALL (a)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
POLY-3 RATE (b)	0/0.00	0/0.00	0/0.00	0/0.00
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. 96019-05  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 WATER DISINFECTION BYPRODUCTS (BROMOCHLOROACETIC ACID)  
 CAS Number: 5589-96-8  
 Pathologist: GILES, H. - HEATH, J. - Blackshear, P.

Date Report Reqsted: 03/28/2006  
 Time Report Reqsted: 15:07:20  
 First Dose M/F: 09/26/01 / 09/26/01  
 Lab: SRI

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

DOSE	Females			
	0 MG/L	250 MG/L	500 MG/L	1000 MG/L
<b>Uterus</b>				
<b>Hydrometra</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/50 (2%)	2/50 (4%)	4/50 (8%)	4/50 (8%)
POLY-3 RATE (b)	1/43.47	2/43.51	4/45.40	4/45.20
POLY-3 PERCENT (g)	2.3%	4.6%	8.8%	8.9%
TERMINAL (d)	1/34 (3%)	1/31 (3%)	4/37 (11%)	3/35 (9%)
FIRST INCIDENCE	729 (T)	525	729 (T)	717
<b>STATISTICAL TESTS</b>				
LIFE TABLE	P=0.133	P=0.484	P=0.205	P=0.190
POLY 3	P=0.127	P=0.500	P=0.192	P=0.190
POLY 1.5	P=0.121	P=0.501	P=0.185	P=0.185
POLY 6	P=0.134	P=0.496	P=0.199	P=0.195
LOGISTIC REGRESSION	P=0.125	P=0.500	P=0.205	P=0.191
COCH-ARM / FISHERS	P=0.114	P=0.500	P=0.181	P=0.181
ORDER RESTRICTED	P=0.156	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.169	(e)	(e)	(e)

**TDMS No.** 96019-05  
**Test Type:** CHRONIC  
**Route:** DOSED WATER  
**Species/Strain:** RATS/F 344

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
WATER DISINFECTION BYPRODUCTS (BROMOCHLOROACETIC ACID)  
**CAS Number:** 5589-96-8  
**Pathologist:** GILES, H. - HEATH, J. - Blackshear, P.

**Date Report Reqsted:** 03/28/2006  
**Time Report Reqsted:** 15:07:20  
**First Dose M/F:** 09/26/01 / 09/26/01  
**Lab:** SRI

## **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 \*\*\*