



Experiment Number: 20320 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Tetrabromobisphenol A

CAS Number: 79-94-7

Date Report Requested: 01/23/2013

Time Report Requested: 15:06:23

First Dose M/F: 07/25/07 / 07/26/07

Lab: BAT

## SUMMARY OF STATISTICALLY SIGNIFICANT ( $P \leq .05$ ) RESULTS IN THE ANALYSIS OF TETRABROMOBISPHENOL A

### MALE RATS

#### Organ

Adrenal Cortex

Heart

Intestine Large, Colon

Kidney

Liver

Lung

Lymph Node, Mesenteric

Preputial Gland

Prostate

Skin

Spleen: Lymphoid Follicle

Stomach, Forestomach

Stomach, Glandular

Testes: Germinal Epithelium

Thymus

Thyroid Gland: C-Cell

Thyroid Gland: Follicle

Trachea

### FEMALE RATS

#### Organ

Adrenal Medulla

Esophagus

Eye: Retina

Liver

#### Morphology

Hyperplasia

Cardiomyopathy

Ulcer

Inflammation Chronic

Nephropathy

Basophilic Focus

Clear Cell Focus

Eosinophilic Focus

Mixed Cell Focus

Metaplasia Osseous

Ectasia

Inflammation

Hyperplasia

Ulcer

Atrophy

Inflammation Chronic

Mineralization

Atrophy

Mineralization

Atrophy

Hyperplasia

Hyperplasia

Inflammation

#### Morphology

Hemorrhage

Perforation

Atrophy

Basophilic Focus

Mixed Cell Focus

Necrosis

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**SUMMARY OF STATISTICALLY SIGNIFICANT ( $P \leq .05$ ) RESULTS IN THE ANALYSIS OF TETRABROMOBISPHENOL A**

Liver: Bile Duct  
Ovary: Bursa  
Ovary: Rete Ovarii  
Pancreas: Acinus  
Pancreas: Duct  
Stomach, Glandular  
Thyroid Gland: C-Cell  
Trachea  
Uterus  
Uterus: Cervix  
Uterus: Endometrium

Hyperplasia  
Dilatation  
Cyst  
Atrophy  
Cyst  
Mineralization  
Hyperplasia  
Inflammation  
Adenomyosis  
Hyperplasia Stromal  
Hyperplasia Cystic

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
TERMINAL SACRIFICE AT 104 WEEKS**

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DOSE	Males			
	0 mg/kg	250 mg/kg	500 mg/kg	1000 mg/kg
<b>Adrenal Cortex</b>				
<b>Angiectasis</b>				
<hr/>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/39.72	0/41.78	0/44.86	0/44.14
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/33 (0%)	0/28 (0%)	0/38 (0%)	0/39 (0%)
FIRST INCIDENCE	---	---	---	---
<hr/>				
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
TERMINAL SACRIFICE AT 104 WEEKS**

---

DOSE	Males			
	0 mg/kg	250 mg/kg	500 mg/kg	1000 mg/kg
<b>Adrenal Cortex Hyperplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	12/50 (24%)	5/50 (10%)	6/49 (12%)	9/50 (18%)
POLY-3 RATE (b)	12/40.84	5/42.06	6/44.86	9/44.75
POLY-3 PERCENT (g)	29.4%	11.9%	13.4%	20.1%
TERMINAL (d)	9/33 (27%)	3/28 (11%)	6/38 (16%)	8/39 (21%)
FIRST INCIDENCE	517	673	727 (T)	534
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.335N	P=0.042N*	P=0.058N	P=0.228N
POLY 1.5	P=0.351N	P=0.042N*	P=0.066N	P=0.242N
POLY 6	P=0.315N	P=0.047N*	P=0.055N	P=0.220N
COCH-ARM / FISHERS	P=0.399N	P=0.054N	P=0.104N	P=0.312N
MAX-ISO-POLY-3	P=0.082N	P=0.024N*	P=0.040N*	P=0.171N

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 mg/kg	250 mg/kg	500 mg/kg	1000 mg/kg
<b>Adrenal Cortex Necrosis</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	2/50 (4%)	1/49 (2%)	0/50 (0%)
POLY-3 RATE (b)	0/39.72	2/42.78	1/45.25	0/44.14
POLY-3 PERCENT (g)	0%	4.7%	2.2%	0%
TERMINAL (d)	0/33 (0%)	1/28 (4%)	0/38 (0%)	0/39 (0%)
FIRST INCIDENCE	---	35	618	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.418N	P=0.254	P=0.526	(e)
POLY 1.5	P=0.427N	P=0.253	P=0.518	(e)
POLY 6	P=0.413N	P=0.250	P=0.532	(e)
COCH-ARM / FISHERS	P=0.462N	P=0.247	P=0.495	(e)
MAX-ISO-POLY-3	P=0.347N	P=0.092	P=0.191	(e)

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
TERMINAL SACRIFICE AT 104 WEEKS**

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DOSE	Males			
	0 mg/kg	250 mg/kg	500 mg/kg	1000 mg/kg
<b>Adrenal Cortex</b>				
<b>Vacuolization Cytoplasmic</b>				
<hr/>				
<b>LESION RATES</b>				
OVERALL (a)	17/50 (34%)	17/50 (34%)	15/49 (31%)	16/50 (32%)
POLY-3 RATE (b)	17/40.68	17/43.46	15/44.86	16/45.20
POLY-3 PERCENT (g)	41.8%	39.1%	33.4%	35.4%
TERMINAL (d)	15/33 (46%)	11/28 (39%)	15/38 (40%)	14/39 (36%)
FIRST INCIDENCE	542	549	727 (T)	534
<hr/>				
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.298N	P=0.489N	P=0.282N	P=0.349N
POLY 1.5	P=0.326N	P=0.505N	P=0.313N	P=0.381N
POLY 6	P=0.268N	P=0.497N	P=0.267N	P=0.323N
COCH-ARM / FISHERS	P=0.432N	P=0.583N	P=0.442N	P=0.500N
MAX-ISO-POLY-3	P=0.407N	P=0.401N	P=0.223N	P=0.281N

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TERMINAL SACRIFICE AT 104 WEEKS**

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DOSE	Males			
	0 mg/kg	250 mg/kg	500 mg/kg	1000 mg/kg
<b>Adrenal Medulla Hemorrhage</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/49 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/39.40	0/41.78	0/44.86	0/44.14
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/33 (0%)	0/28 (0%)	0/38 (0%)	0/39 (0%)
FIRST INCIDENCE	---	---	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

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TERMINAL SACRIFICE AT 104 WEEKS**

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DOSE	Males			
	0 mg/kg	250 mg/kg	500 mg/kg	1000 mg/kg
<b>Adrenal Medulla Hyperplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	3/49 (6%)	1/50 (2%)	3/49 (6%)	2/50 (4%)
POLY-3 RATE (b)	3/39.40	1/41.78	3/45.13	2/44.14
POLY-3 PERCENT (g)	7.6%	2.4%	6.7%	4.5%
TERMINAL (d)	3/33 (9%)	1/28 (4%)	2/38 (5%)	2/39 (5%)
FIRST INCIDENCE	727 (T)	727 (T)	654	727 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.481N	P=0.284N	P=0.598N	P=0.448N
POLY 1.5	P=0.490N	P=0.283N	P=0.613N	P=0.456N
POLY 6	P=0.468N	P=0.292N	P=0.587N	P=0.442N
COCH-ARM / FISHERS	P=0.517N	P=0.301N	P=0.661N	P=0.490N
MAX-ISO-POLY-3	P=0.447N	P=0.145N	P=0.435N	P=0.288N

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 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 mg/kg	250 mg/kg	500 mg/kg	1000 mg/kg
<b>Brain Compression</b>				
<b>LESION RATES</b>				
OVERALL (a)	9/50 (18%)	12/50 (24%)	9/50 (18%)	5/50 (10%)
POLY-3 RATE (b)	9/43.50	12/45.53	9/46.59	5/44.77
POLY-3 PERCENT (g)	20.7%	26.4%	19.3%	11.2%
TERMINAL (d)	1/33 (3%)	0/28 (0%)	5/38 (13%)	3/39 (8%)
FIRST INCIDENCE	485	397	511	608
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.085N	P=0.353	P=0.540N	P=0.175N
POLY 1.5	P=0.082N	P=0.352	P=0.543N	P=0.171N
POLY 6	P=0.090N	P=0.341	P=0.550N	P=0.184N
COCH-ARM / FISHERS	P=0.099N	P=0.312	P=0.602N	P=0.194N
MAX-ISO-POLY-3	P=0.117N	P=0.270	P=0.436N	P=0.113N

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
TERMINAL SACRIFICE AT 104 WEEKS**

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DOSE	Males			
	0 mg/kg	250 mg/kg	500 mg/kg	1000 mg/kg
<b>Esophagus Perforation</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/39.72	0/41.78	0/45.21	0/44.14
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/33 (0%)	0/28 (0%)	0/38 (0%)	0/39 (0%)
FIRST INCIDENCE	---	---	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
TERMINAL SACRIFICE AT 104 WEEKS**

---

DOSE	Males			
	0 mg/kg	250 mg/kg	500 mg/kg	1000 mg/kg
Eye Cataract				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	0/39.72	0/41.78	1/45.21	0/44.14
POLY-3 PERCENT (g)	0%	0%	2.2%	0%
TERMINAL (d)	0/33 (0%)	0/28 (0%)	1/38 (3%)	0/39 (0%)
FIRST INCIDENCE	---	---	727 (T)	---
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
TERMINAL SACRIFICE AT 104 WEEKS**

---

DOSE	Males			
	0 mg/kg	250 mg/kg	500 mg/kg	1000 mg/kg
<b>Eye: Retina</b>				
<b>Atrophy</b>				
<hr/>				
<b>LESION RATES</b>				
OVERALL (a)	1/50 (2%)	1/50 (2%)	3/50 (6%)	0/50 (0%)
POLY-3 RATE (b)	1/39.72	1/41.78	3/45.21	0/44.14
POLY-3 PERCENT (g)	2.5%	2.4%	6.6%	0%
TERMINAL (d)	1/33 (3%)	1/28 (4%)	3/38 (8%)	0/39 (0%)
FIRST INCIDENCE	727 (T)	727 (T)	727 (T)	---
<hr/>				
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.366N	P=0.750N	P=0.353	P=0.479N
POLY 1.5	P=0.376N	P=0.750N	P=0.342	P=0.483N
POLY 6	P=0.354N	P=0.754N	P=0.360	P=0.475N
COCH-ARM / FISHERS	P=0.409N	P=0.753N	P=0.309	P=0.500N
MAX-ISO-POLY-3	P=0.253N	P=0.485N	P=0.203	P=0.158N

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 mg/kg	250 mg/kg	500 mg/kg	1000 mg/kg
<b>Harderian Gland Hyperplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/49 (0%)	1/50 (2%)	1/50 (2%)	2/50 (4%)
POLY-3 RATE (b)	0/39.20	1/42.08	1/45.21	2/44.14
POLY-3 PERCENT (g)	0%	2.4%	2.2%	4.5%
TERMINAL (d)	0/33 (0%)	0/28 (0%)	1/38 (3%)	2/39 (5%)
FIRST INCIDENCE	---	645	727 (T)	727 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.179	P=0.514	P=0.528	P=0.264
POLY 1.5	P=0.174	P=0.514	P=0.523	P=0.260
POLY 6	P=0.184	P=0.510	P=0.531	P=0.268
COCH-ARM / FISHERS	P=0.155	P=0.505	P=0.505	P=0.253
MAX-ISO-POLY-3	P=0.160	P=0.175	P=0.192	P=0.100

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
TERMINAL SACRIFICE AT 104 WEEKS**

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DOSE	Males			
	0 mg/kg	250 mg/kg	500 mg/kg	1000 mg/kg
<b>Heart</b>				
<b>Cardiomyopathy</b>				
<b>LESION RATES</b>				
OVERALL (a)	33/50 (66%)	23/50 (46%)	23/50 (46%)	30/50 (60%)
POLY-3 RATE (b)	33/44.98	23/44.38	23/47.18	30/46.48
POLY-3 PERCENT (g)	73.4%	51.8%	48.8%	64.6%
TERMINAL (d)	23/33 (70%)	17/28 (61%)	17/38 (45%)	25/39 (64%)
FIRST INCIDENCE	196	35	511	517
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.369N	P=0.024N*	P=0.011N*	P=0.243N
POLY 1.5	P=0.391N	P=0.019N*	P=0.013N*	P=0.243N
POLY 6	P=0.340N	P=0.040N*	P=0.011N*	P=0.252N
COCH-ARM / FISHERS	P=0.471N	P=0.035N*	P=0.035N*	P=0.339N
MAX-ISO-POLY-3	P=0.053N	P=0.014N*	P=0.007N**	P=0.181N

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
TERMINAL SACRIFICE AT 104 WEEKS**

---

DOSE	Males			
	0 mg/kg	250 mg/kg	500 mg/kg	1000 mg/kg
<b>Heart: Endocardium Hyperplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/50 (2%)	1/50 (2%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	1/39.72	1/41.78	1/45.21	0/44.14
POLY-3 PERCENT (g)	2.5%	2.4%	2.2%	0%
TERMINAL (d)	1/33 (3%)	1/28 (4%)	1/38 (3%)	0/39 (0%)
FIRST INCIDENCE	727 (T)	727 (T)	727 (T)	---
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

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Experiment Number: 20320 - 03  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Tetrabromobisphenol A  
 CAS Number: 79-94-7

Date Report Requested: 01/23/2013  
 Time Report Requested: 15:06:23  
 First Dose M/F: 07/25/07 / 07/26/07  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 mg/kg	250 mg/kg	500 mg/kg	1000 mg/kg
<b>Intestine Large, Colon Ulcer</b>				
<b>LESION RATES</b>				
OVERALL (a)	2/50 (4%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	2/41.32	0/41.78	0/45.21	0/44.14
POLY-3 PERCENT (g)	4.8%	0%	0%	0%
TERMINAL (d)	0/33 (0%)	0/28 (0%)	0/38 (0%)	0/39 (0%)
FIRST INCIDENCE	244	---	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.114N	P=0.234N	P=0.218N	P=0.223N
POLY 1.5	P=0.115N	P=0.233N	P=0.221N	P=0.225N
POLY 6	P=0.111N	P=0.241N	P=0.216N	P=0.220N
COCH-ARM / FISHERS	P=0.115N	P=0.247N	P=0.247N	P=0.247N
MAX-ISO-POLY-3	P=0.032N*	P=0.076N	P=0.076N	P=0.076N

Experiment Number: 20320 - 03  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Tetrabromobisphenol A  
CAS Number: 79-94-7

Date Report Requested: 01/23/2013  
Time Report Requested: 15:06:23  
First Dose M/F: 07/25/07 / 07/26/07  
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
TERMINAL SACRIFICE AT 104 WEEKS**

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DOSE	Males			
	0 mg/kg	250 mg/kg	500 mg/kg	1000 mg/kg
<b>Intestine Large, Rectum Parasite Metazoan</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/50 (2%)	1/50 (2%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	1/39.72	1/41.78	1/45.21	0/44.14
POLY-3 PERCENT (g)	2.5%	2.4%	2.2%	0%
TERMINAL (d)	1/33 (3%)	1/28 (4%)	1/38 (3%)	0/39 (0%)
FIRST INCIDENCE	727 (T)	727 (T)	727 (T)	---
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

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Experiment Number: 20320 - 03  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Tetrabromobisphenol A  
 CAS Number: 79-94-7

Date Report Requested: 01/23/2013  
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 First Dose M/F: 07/25/07 / 07/26/07  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 mg/kg	250 mg/kg	500 mg/kg	1000 mg/kg
<b>Kidney Cyst</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/50 (2%)	1/50 (2%)	4/50 (8%)	3/50 (6%)
POLY-3 RATE (b)	1/39.72	1/41.78	4/45.21	3/44.14
POLY-3 PERCENT (g)	2.5%	2.4%	8.9%	6.8%
TERMINAL (d)	1/33 (3%)	1/28 (4%)	4/38 (11%)	3/39 (8%)
FIRST INCIDENCE	727 (T)	727 (T)	727 (T)	727 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.201	P=0.750N	P=0.220	P=0.344
POLY 1.5	P=0.192	P=0.750N	P=0.211	P=0.336
POLY 6	P=0.213	P=0.754N	P=0.227	P=0.351
COCH-ARM / FISHERS	P=0.164	P=0.753N	P=0.181	P=0.309
MAX-ISO-POLY-3	P=0.243	P=0.485N	P=0.124	P=0.193

Experiment Number: 20320 - 03  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Tetrabromobisphenol A  
 CAS Number: 79-94-7

Date Report Requested: 01/23/2013  
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 First Dose M/F: 07/25/07 / 07/26/07  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 mg/kg	250 mg/kg	500 mg/kg	1000 mg/kg
<b>Kidney</b>				
<b>Hydronephrosis</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	2/50 (4%)	1/50 (2%)	1/50 (2%)
POLY-3 RATE (b)	0/39.72	2/41.78	1/45.21	1/44.35
POLY-3 PERCENT (g)	0%	4.8%	2.2%	2.3%
TERMINAL (d)	0/33 (0%)	2/28 (7%)	1/38 (3%)	0/39 (0%)
FIRST INCIDENCE	---	727 (T)	727 (T)	672
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.552	P=0.248	P=0.526	P=0.522
POLY 1.5	P=0.541	P=0.248	P=0.520	P=0.517
POLY 6	P=0.563	P=0.243	P=0.529	P=0.527
COCH-ARM / FISHERS	P=0.500	P=0.247	P=0.500	P=0.500
MAX-ISO-POLY-3	P=0.314	P=0.087	P=0.190	P=0.185

Experiment Number: 20320 - 03  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Tetrabromobisphenol A  
CAS Number: 79-94-7

Date Report Requested: 01/23/2013  
Time Report Requested: 15:06:23  
First Dose M/F: 07/25/07 / 07/26/07  
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
TERMINAL SACRIFICE AT 104 WEEKS**

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DOSE	Males			
	0 mg/kg	250 mg/kg	500 mg/kg	1000 mg/kg
<b>Kidney Inflammation</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	0/39.72	0/41.78	0/45.21	1/44.75
POLY-3 PERCENT (g)	0%	0%	0%	2.2%
TERMINAL (d)	0/33 (0%)	0/28 (0%)	0/38 (0%)	0/39 (0%)
FIRST INCIDENCE	---	---	---	534
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

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Experiment Number: 20320 - 03  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Tetrabromobisphenol A  
CAS Number: 79-94-7

Date Report Requested: 01/23/2013  
Time Report Requested: 15:06:23  
First Dose M/F: 07/25/07 / 07/26/07  
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 mg/kg	250 mg/kg	500 mg/kg	1000 mg/kg
<b>Kidney Inflammation Chronic</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	2/50 (4%)
POLY-3 RATE (b)	0/39.72	0/41.78	0/45.21	2/44.14
POLY-3 PERCENT (g)	0%	0%	0%	4.5%
TERMINAL (d)	0/33 (0%)	0/28 (0%)	0/38 (0%)	2/39 (5%)
FIRST INCIDENCE	---	---	---	727 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.049*	(e)	(e)	P=0.261
POLY 1.5	P=0.048*	(e)	(e)	P=0.256
POLY 6	P=0.051	(e)	(e)	P=0.266
COCH-ARM / FISHERS	P=0.046*	(e)	(e)	P=0.247
MAX-ISO-POLY-3	P=0.053	(e)	(e)	P=0.099

Experiment Number: 20320 - 03  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Tetrabromobisphenol A  
 CAS Number: 79-94-7

Date Report Requested: 01/23/2013  
 Time Report Requested: 15:06:23  
 First Dose M/F: 07/25/07 / 07/26/07  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 mg/kg	250 mg/kg	500 mg/kg	1000 mg/kg
<b>Kidney Nephropathy</b>				
<b>LESION RATES</b>				
OVERALL (a)	39/50 (78%)	30/50 (60%)	35/50 (70%)	31/50 (62%)
POLY-3 RATE (b)	39/45.10	30/46.32	35/47.65	31/45.80
POLY-3 PERCENT (g)	86.5%	64.8%	73.5%	67.7%
TERMINAL (d)	28/33 (85%)	18/28 (64%)	28/38 (74%)	28/39 (72%)
FIRST INCIDENCE	244	397	511	517
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.079N	P=0.011N*	P=0.087N	P=0.023N*
POLY 1.5	P=0.075N	P=0.013N*	P=0.102N	P=0.022N*
POLY 6	P=0.089N	P=0.012N*	P=0.090N	P=0.030N*
COCH-ARM / FISHERS	P=0.125N	P=0.041N*	P=0.247N	P=0.063N
MAX-ISO-POLY-3	P=0.029N*	P=0.006N**	P=0.056N	P=0.012N*

Experiment Number: 20320 - 03  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Tetrabromobisphenol A  
CAS Number: 79-94-7

Date Report Requested: 01/23/2013  
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Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
TERMINAL SACRIFICE AT 104 WEEKS**

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DOSE	Males			
	0 mg/kg	250 mg/kg	500 mg/kg	1000 mg/kg
<b>Kidney Thrombosis</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/39.72	0/41.78	0/45.21	0/44.14
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/33 (0%)	0/28 (0%)	0/38 (0%)	0/39 (0%)
FIRST INCIDENCE	---	---	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

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Experiment Number: 20320 - 03  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Tetrabromobisphenol A  
 CAS Number: 79-94-7

Date Report Requested: 01/23/2013  
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 First Dose M/F: 07/25/07 / 07/26/07  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 mg/kg	250 mg/kg	500 mg/kg	1000 mg/kg
<b>Kidney: Pelvis Inflammation</b>				
<b>LESION RATES</b>				
OVERALL (a)	4/50 (8%)	2/50 (4%)	2/50 (4%)	5/50 (10%)
POLY-3 RATE (b)	4/40.84	2/42.72	2/45.21	5/45.20
POLY-3 PERCENT (g)	9.8%	4.7%	4.4%	11.1%
TERMINAL (d)	2/33 (6%)	0/28 (0%)	2/38 (5%)	3/39 (8%)
FIRST INCIDENCE	244	549	727 (T)	517
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.369	P=0.316N	P=0.291N	P=0.563
POLY 1.5	P=0.359	P=0.319N	P=0.301N	P=0.548
POLY 6	P=0.383	P=0.321N	P=0.285N	P=0.579
COCH-ARM / FISHERS	P=0.331	P=0.339N	P=0.339N	P=0.500
MAX-ISO-POLY-3	P=0.340	P=0.189N	P=0.178N	P=0.426

Experiment Number: 20320 - 03  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Tetrabromobisphenol A  
 CAS Number: 79-94-7

Date Report Requested: 01/23/2013  
 Time Report Requested: 15:06:23  
 First Dose M/F: 07/25/07 / 07/26/07  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 mg/kg	250 mg/kg	500 mg/kg	1000 mg/kg
<b>Liver</b>				
<b>Angiectasis</b>				
<b>LESION RATES</b>				
OVERALL (a)	2/50 (4%)	2/50 (4%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	2/40.01	2/42.08	0/45.21	1/44.14
POLY-3 PERCENT (g)	5%	4.8%	0%	2.3%
TERMINAL (d)	1/33 (3%)	1/28 (4%)	0/38 (0%)	1/39 (3%)
FIRST INCIDENCE	648	645	---	727 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.279N	P=0.676N	P=0.211N	P=0.466N
POLY 1.5	P=0.282N	P=0.677N	P=0.216N	P=0.472N
POLY 6	P=0.276N	P=0.684N	P=0.208N	P=0.461N
COCH-ARM / FISHERS	P=0.296N	P=0.691N	P=0.247N	P=0.500N
MAX-ISO-POLY-3	P=0.258N	P=0.479N	P=0.075N	P=0.262N

Experiment Number: 20320 - 03  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Tetrabromobisphenol A  
CAS Number: 79-94-7

Date Report Requested: 01/23/2013  
Time Report Requested: 15:06:23  
First Dose M/F: 07/25/07 / 07/26/07  
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 mg/kg	250 mg/kg	500 mg/kg	1000 mg/kg
<b>Liver</b>				
<b>Basophilic Focus</b>				
<b>LESION RATES</b>				
OVERALL (a)	19/50 (38%)	26/50 (52%)	24/50 (48%)	13/50 (26%)
POLY-3 RATE (b)	19/42.51	26/43.94	24/46.52	13/45.20
POLY-3 PERCENT (g)	44.7%	59.2%	51.6%	28.8%
TERMINAL (d)	13/33 (39%)	18/28 (64%)	21/38 (55%)	11/39 (28%)
FIRST INCIDENCE	465	514	511	387
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.020N*	P=0.123	P=0.330	P=0.089N
POLY 1.5	P=0.023N*	P=0.132	P=0.311	P=0.093N
POLY 6	P=0.018N*	P=0.102	P=0.331	P=0.090N
COCH-ARM / FISHERS	P=0.054N	P=0.114	P=0.210	P=0.142N
MAX-ISO-POLY-3	P=0.022N*	P=0.087	P=0.265	P=0.063N

Experiment Number: 20320 - 03  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Tetrabromobisphenol A  
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Date Report Requested: 01/23/2013  
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 First Dose M/F: 07/25/07 / 07/26/07  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 mg/kg	250 mg/kg	500 mg/kg	1000 mg/kg
<b>Liver</b>				
<b>Clear Cell Focus</b>				
<b>LESION RATES</b>				
OVERALL (a)	34/50 (68%)	33/50 (66%)	43/50 (86%)	41/50 (82%)
POLY-3 RATE (b)	34/41.20	33/44.39	43/47.63	41/46.12
POLY-3 PERCENT (g)	82.5%	74.3%	90.3%	88.9%
TERMINAL (d)	30/33 (91%)	27/28 (96%)	37/38 (97%)	37/39 (95%)
FIRST INCIDENCE	542	500	511	501
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.075	P=0.235N	P=0.196	P=0.268
POLY 1.5	P=0.062	P=0.294N	P=0.120	P=0.209
POLY 6	P=0.097	P=0.229N	P=0.290	P=0.328
COCH-ARM / FISHERS	P=0.024*	P=0.500N	P=0.028*	P=0.083
MAX-ISO-POLY-3	P=0.099	P=0.165N	P=0.130	P=0.179

Experiment Number: 20320 - 03  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Tetrabromobisphenol A  
 CAS Number: 79-94-7

Date Report Requested: 01/23/2013  
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 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 mg/kg	250 mg/kg	500 mg/kg	1000 mg/kg
<b>Liver</b>				
<b>Eosinophilic Focus</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	3/50 (6%)	0/50 (0%)	3/50 (6%)
POLY-3 RATE (b)	0/39.72	3/42.67	0/45.21	3/44.35
POLY-3 PERCENT (g)	0%	7%	0%	6.8%
TERMINAL (d)	0/33 (0%)	0/28 (0%)	0/38 (0%)	2/39 (5%)
FIRST INCIDENCE	---	596	---	672
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.193	P=0.132	(e)	P=0.139
POLY 1.5	P=0.186	P=0.129	(e)	P=0.135
POLY 6	P=0.199	P=0.130	(e)	P=0.144
COCH-ARM / FISHERS	P=0.163	P=0.121	(e)	P=0.121
MAX-ISO-POLY-3	P=0.087	P=0.049*	(e)	P=0.056

Experiment Number: 20320 - 03  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Tetrabromobisphenol A  
CAS Number: 79-94-7

Date Report Requested: 01/23/2013  
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First Dose M/F: 07/25/07 / 07/26/07  
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
TERMINAL SACRIFICE AT 104 WEEKS**

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DOSE	Males			
	0 mg/kg	250 mg/kg	500 mg/kg	1000 mg/kg
<hr/>				
Liver				
Fatty Change				
<hr/>				
<b>LESION RATES</b>				
OVERALL (a)	28/50 (56%)	35/50 (70%)	30/50 (60%)	27/50 (54%)
POLY-3 RATE (b)	28/42.66	35/47.60	30/45.90	27/44.56
POLY-3 PERCENT (g)	65.6%	73.5%	65.4%	60.6%
TERMINAL (d)	21/33 (64%)	17/28 (61%)	27/38 (71%)	26/39 (67%)
FIRST INCIDENCE	485	397	626	608
<hr/>				
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.215N	P=0.276	P=0.580N	P=0.392N
POLY 1.5	P=0.194N	P=0.218	P=0.586	P=0.385N
POLY 6	P=0.264N	P=0.323	P=0.576	P=0.428N
COCH-ARM / FISHERS	P=0.279N	P=0.107	P=0.420	P=0.500N
MAX-ISO-POLY-3	P=0.297N	P=0.216	P=0.488N	P=0.312N

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Experiment Number: 20320 - 03  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Tetrabromobisphenol A  
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 First Dose M/F: 07/25/07 / 07/26/07  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 mg/kg	250 mg/kg	500 mg/kg	1000 mg/kg
<b>Liver</b>				
<b>Hepatodiaphragmatic Nodule</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/50 (2%)	0/50 (0%)	2/50 (4%)	0/50 (0%)
POLY-3 RATE (b)	1/40.33	0/41.78	2/45.72	0/44.14
POLY-3 PERCENT (g)	2.5%	0%	4.4%	0%
TERMINAL (d)	0/33 (0%)	0/28 (0%)	1/38 (3%)	0/39 (0%)
FIRST INCIDENCE	533	---	574	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.437N	P=0.493N	P=0.544	P=0.482N
POLY 1.5	P=0.443N	P=0.492N	P=0.534	P=0.485N
POLY 6	P=0.428N	P=0.498N	P=0.550	P=0.480N
COCH-ARM / FISHERS	P=0.461N	P=0.500N	P=0.500	P=0.500N
MAX-ISO-POLY-3	P=0.332N	P=0.158N	P=0.328	P=0.158N

Experiment Number: 20320 - 03  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Tetrabromobisphenol A  
CAS Number: 79-94-7

Date Report Requested: 01/23/2013  
Time Report Requested: 15:06:23  
First Dose M/F: 07/25/07 / 07/26/07  
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
TERMINAL SACRIFICE AT 104 WEEKS**

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DOSE	Males			
	0 mg/kg	250 mg/kg	500 mg/kg	1000 mg/kg

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Liver  
Mixed Cell Focus

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**LESION RATES**

OVERALL (a)	9/50 (18%)	10/50 (20%)	12/50 (24%)	16/50 (32%)
POLY-3 RATE (b)	9/40.17	10/41.93	12/45.21	16/44.60
POLY-3 PERCENT (g)	22.4%	23.9%	26.5%	35.9%
TERMINAL (d)	7/33 (21%)	9/28 (32%)	12/38 (32%)	15/39 (39%)
FIRST INCIDENCE	638	689	727 (T)	594

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**STATISTICAL TESTS**

POLY 3	P=0.079	P=0.542	P=0.424	P=0.130
POLY 1.5	P=0.071	P=0.543	P=0.401	P=0.119
POLY 6	P=0.090	P=0.517	P=0.433	P=0.138
COCH-ARM / FISHERS	P=0.048*	P=0.500	P=0.312	P=0.083
MAX-ISO-POLY-3	P=0.125	P=0.438	P=0.337	P=0.096

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Experiment Number: 20320 - 03  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Tetrabromobisphenol A  
CAS Number: 79-94-7

Date Report Requested: 01/23/2013  
Time Report Requested: 15:06:23  
First Dose M/F: 07/25/07 / 07/26/07  
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
TERMINAL SACRIFICE AT 104 WEEKS**

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DOSE	Males			
	0 mg/kg	250 mg/kg	500 mg/kg	1000 mg/kg
<hr/>				
Liver Necrosis				
<hr/>				
<b>LESION RATES</b>				
OVERALL (a)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	1/40.36	0/41.78	0/45.21	0/44.14
POLY-3 PERCENT (g)	2.5%	0%	0%	0%
TERMINAL (d)	0/33 (0%)	0/28 (0%)	0/38 (0%)	0/39 (0%)
FIRST INCIDENCE	517	---	---	---
<hr/>				
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

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Experiment Number: 20320 - 03  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Tetrabromobisphenol A  
CAS Number: 79-94-7

Date Report Requested: 01/23/2013  
Time Report Requested: 15:06:23  
First Dose M/F: 07/25/07 / 07/26/07  
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
TERMINAL SACRIFICE AT 104 WEEKS**

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DOSE	Males			
	0 mg/kg	250 mg/kg	500 mg/kg	1000 mg/kg
<hr/>				
Liver: Bile Duct Cyst				
<hr/>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/39.72	0/41.78	0/45.21	0/44.14
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/33 (0%)	0/28 (0%)	0/38 (0%)	0/39 (0%)
FIRST INCIDENCE	---	---	---	---
<hr/>				
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

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Experiment Number: 20320 - 03  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Tetrabromobisphenol A  
CAS Number: 79-94-7

Date Report Requested: 01/23/2013  
Time Report Requested: 15:06:23  
First Dose M/F: 07/25/07 / 07/26/07  
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
TERMINAL SACRIFICE AT 104 WEEKS**

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DOSE	Males			
	0 mg/kg	250 mg/kg	500 mg/kg	1000 mg/kg

---

Liver: Bile Duct  
Hyperplasia

---

LESION RATES				
OVERALL (a)	3/50 (6%)	5/50 (10%)	7/50 (14%)	7/50 (14%)
POLY-3 RATE (b)	3/39.72	5/43.35	7/46.57	7/44.56
POLY-3 PERCENT (g)	7.6%	11.5%	15%	15.7%
TERMINAL (d)	3/33 (9%)	3/28 (11%)	4/38 (11%)	6/39 (15%)
FIRST INCIDENCE	727 (T)	35	511	608

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STATISTICAL TESTS				
POLY 3	P=0.174	P=0.405	P=0.230	P=0.207
POLY 1.5	P=0.161	P=0.399	P=0.210	P=0.195
POLY 6	P=0.191	P=0.399	P=0.248	P=0.219
COCH-ARM / FISHERS	P=0.126	P=0.357	P=0.159	P=0.159
MAX-ISO-POLY-3	P=0.239	P=0.279	P=0.159	P=0.137

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Experiment Number: 20320 - 03  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Tetrabromobisphenol A  
 CAS Number: 79-94-7

Date Report Requested: 01/23/2013  
 Time Report Requested: 15:06:23  
 First Dose M/F: 07/25/07 / 07/26/07  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 mg/kg	250 mg/kg	500 mg/kg	1000 mg/kg
<b>Lung Inflammation Chronic</b>				
<b>LESION RATES</b>				
OVERALL (a)	8/50 (16%)	6/50 (12%)	6/50 (12%)	6/50 (12%)
POLY-3 RATE (b)	8/43.29	6/42.08	6/45.99	6/44.57
POLY-3 PERCENT (g)	18.5%	14.3%	13.1%	13.5%
TERMINAL (d)	2/33 (6%)	5/28 (18%)	4/38 (11%)	5/39 (13%)
FIRST INCIDENCE	465	645	615	605
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.327N	P=0.408N	P=0.340N	P=0.363N
POLY 1.5	P=0.330N	P=0.386N	P=0.342N	P=0.357N
POLY 6	P=0.322N	P=0.449N	P=0.345N	P=0.373N
COCH-ARM / FISHERS	P=0.361N	P=0.387N	P=0.387N	P=0.387N
MAX-ISO-POLY-3	P=0.402N	P=0.302N	P=0.248N	P=0.264N

Experiment Number: 20320 - 03  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Tetrabromobisphenol A  
 CAS Number: 79-94-7

Date Report Requested: 01/23/2013  
 Time Report Requested: 15:06:23  
 First Dose M/F: 07/25/07 / 07/26/07  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 mg/kg	250 mg/kg	500 mg/kg	1000 mg/kg
<b>Lung</b>				
<b>Inflammation Granulomatous</b>				
<b>LESION RATES</b>				
OVERALL (a)	2/50 (4%)	2/50 (4%)	0/50 (0%)	3/50 (6%)
POLY-3 RATE (b)	2/40.56	2/41.78	0/45.21	3/44.35
POLY-3 PERCENT (g)	4.9%	4.8%	0%	6.8%
TERMINAL (d)	0/33 (0%)	2/28 (7%)	0/38 (0%)	2/39 (5%)
FIRST INCIDENCE	496	727 (T)	---	672
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.451	P=0.684N	P=0.214N	P=0.541
POLY 1.5	P=0.445	P=0.681N	P=0.218N	P=0.534
POLY 6	P=0.458	P=0.695	P=0.212N	P=0.546
COCH-ARM / FISHERS	P=0.423	P=0.691N	P=0.247N	P=0.500
MAX-ISO-POLY-3	P=0.342	P=0.487N	P=0.075N	P=0.366

Experiment Number: 20320 - 03  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Tetrabromobisphenol A  
 CAS Number: 79-94-7

Date Report Requested: 01/23/2013  
 Time Report Requested: 15:06:23  
 First Dose M/F: 07/25/07 / 07/26/07  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 mg/kg	250 mg/kg	500 mg/kg	1000 mg/kg
<b>Lung</b>				
<b>Metaplasia Osseous</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	3/50 (6%)
POLY-3 RATE (b)	0/39.72	0/41.78	0/45.21	3/44.14
POLY-3 PERCENT (g)	0%	0%	0%	6.8%
TERMINAL (d)	0/33 (0%)	0/28 (0%)	0/38 (0%)	3/39 (8%)
FIRST INCIDENCE	---	---	---	727 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.012*	(e)	(e)	P=0.138
POLY 1.5	P=0.012*	(e)	(e)	P=0.134
POLY 6	P=0.013*	(e)	(e)	P=0.142
COCH-ARM / FISHERS	P=0.012*	(e)	(e)	P=0.121
MAX-ISO-POLY-3	P=0.018*	(e)	(e)	P=0.055

Experiment Number: 20320 - 03  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Tetrabromobisphenol A  
CAS Number: 79-94-7

Date Report Requested: 01/23/2013  
Time Report Requested: 15:06:23  
First Dose M/F: 07/25/07 / 07/26/07  
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
TERMINAL SACRIFICE AT 104 WEEKS**

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DOSE	Males			
	0 mg/kg	250 mg/kg	500 mg/kg	1000 mg/kg
<b>Lung: Alveolar Epithelium Hyperplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/39.72	0/41.78	0/45.21	0/44.14
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/33 (0%)	0/28 (0%)	0/38 (0%)	0/39 (0%)
FIRST INCIDENCE	---	---	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

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Experiment Number: 20320 - 03  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Tetrabromobisphenol A  
 CAS Number: 79-94-7

Date Report Requested: 01/23/2013  
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 First Dose M/F: 07/25/07 / 07/26/07  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 mg/kg	250 mg/kg	500 mg/kg	1000 mg/kg
<b>Lung: Bronchiole Hyperplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	3/50 (6%)	2/50 (4%)	1/50 (2%)	4/50 (8%)
POLY-3 RATE (b)	3/39.72	2/41.78	1/45.21	4/44.14
POLY-3 PERCENT (g)	7.6%	4.8%	2.2%	9.1%
TERMINAL (d)	3/33 (9%)	2/28 (7%)	1/38 (3%)	4/39 (10%)
FIRST INCIDENCE	727 (T)	727 (T)	727 (T)	727 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.407	P=0.477N	P=0.260N	P=0.557
POLY 1.5	P=0.398	P=0.478N	P=0.270N	P=0.545
POLY 6	P=0.418	P=0.486N	P=0.254N	P=0.568
COCH-ARM / FISHERS	P=0.371	P=0.500N	P=0.309N	P=0.500
MAX-ISO-POLY-3	P=0.348	P=0.307N	P=0.139N	P=0.405



Experiment Number: 20320 - 03  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Tetrabromobisphenol A  
 CAS Number: 79-94-7

Date Report Requested: 01/23/2013  
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 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 mg/kg	250 mg/kg	500 mg/kg	1000 mg/kg
<b>Lymph Node, Mesenteric Ectasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	0/50 (0%)	1/50 (2%)	4/50 (8%)
POLY-3 RATE (b)	0/39.72	0/41.78	1/45.21	4/44.14
POLY-3 PERCENT (g)	0%	0%	2.2%	9.1%
TERMINAL (d)	0/33 (0%)	0/28 (0%)	1/38 (3%)	4/39 (10%)
FIRST INCIDENCE	---	---	727 (T)	727 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.006**	(e)	P=0.526	P=0.075
POLY 1.5	P=0.006**	(e)	P=0.520	P=0.072
POLY 6	P=0.007**	(e)	P=0.529	P=0.077
COCH-ARM / FISHERS	P=0.006**	(e)	P=0.500	P=0.059
MAX-ISO-POLY-3	P=0.010**	(e)	P=0.190	P=0.031*

Experiment Number: 20320 - 03  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Tetrabromobisphenol A  
 CAS Number: 79-94-7

Date Report Requested: 01/23/2013  
 Time Report Requested: 15:06:23  
 First Dose M/F: 07/25/07 / 07/26/07  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 mg/kg	250 mg/kg	500 mg/kg	1000 mg/kg
<b>Mammary Gland</b>				
<b>Galactocele</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/47 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/36.72	0/41.78	0/45.21	0/44.14
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/30 (0%)	0/28 (0%)	0/38 (0%)	0/39 (0%)
FIRST INCIDENCE	---	---	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

Experiment Number: 20320 - 03  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Tetrabromobisphenol A  
CAS Number: 79-94-7

Date Report Requested: 01/23/2013  
Time Report Requested: 15:06:23  
First Dose M/F: 07/25/07 / 07/26/07  
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
TERMINAL SACRIFICE AT 104 WEEKS**

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DOSE	Males			
	0 mg/kg	250 mg/kg	500 mg/kg	1000 mg/kg
<b>Mammary Gland Hyperplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/47 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/36.72	0/41.78	0/45.21	0/44.14
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/30 (0%)	0/28 (0%)	0/38 (0%)	0/39 (0%)
FIRST INCIDENCE	---	---	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

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Experiment Number: 20320 - 03  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Tetrabromobisphenol A  
 CAS Number: 79-94-7

Date Report Requested: 01/23/2013  
 Time Report Requested: 15:06:23  
 First Dose M/F: 07/25/07 / 07/26/07  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 mg/kg	250 mg/kg	500 mg/kg	1000 mg/kg
<b>Mesentery: Fat Necrosis</b>				
<b>LESION RATES</b>				
OVERALL (a)	2/3 (67%)	3/3 (100%)	0/0 (0%)	2/2 (100%)
POLY-3 RATE (b)	2/3.00	3/3.00	0/0.00	2/2.00
POLY-3 PERCENT (g)	66.7%	100%	0%	100%
TERMINAL (d)	1/2 (50%)	2/2 (100%)	0/0 (0%)	1/1 (100%)
FIRST INCIDENCE	517	397	---	672
<b>STATISTICAL TESTS</b>				
POLY 3	(e)	P=0.500	(e)	P=0.577
POLY 1.5	(e)	P=0.500	(e)	P=0.577
POLY 6	(e)	P=0.500	(e)	P=0.577
COCH-ARM / FISHERS	P=0.400	P=0.500	(e)	P=0.600
MAX-ISO-POLY-3	(e)	P=0.159	(e)	P=0.240

Experiment Number: 20320 - 03  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Tetrabromobisphenol A  
 CAS Number: 79-94-7

Date Report Requested: 01/23/2013  
 Time Report Requested: 15:06:23  
 First Dose M/F: 07/25/07 / 07/26/07  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 mg/kg	250 mg/kg	500 mg/kg	1000 mg/kg
<b>Nose Inflammation</b>				
<b>LESION RATES</b>				
OVERALL (a)	8/50 (16%)	5/50 (10%)	7/50 (14%)	8/50 (16%)
POLY-3 RATE (b)	8/41.85	5/42.79	7/45.92	8/45.33
POLY-3 PERCENT (g)	19.1%	11.7%	15.2%	17.7%
TERMINAL (d)	4/33 (12%)	2/28 (7%)	5/38 (13%)	6/39 (15%)
FIRST INCIDENCE	502	514	615	447
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.511	P=0.259N	P=0.422N	P=0.539N
POLY 1.5	P=0.498	P=0.254N	P=0.434N	P=0.548N
POLY 6	P=0.526	P=0.278N	P=0.420N	P=0.537N
COCH-ARM / FISHERS	P=0.445	P=0.277N	P=0.500N	P=0.607N
MAX-ISO-POLY-3	P=0.487N	P=0.174N	P=0.323N	P=0.431N

Experiment Number: 20320 - 03  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Tetrabromobisphenol A  
CAS Number: 79-94-7

Date Report Requested: 01/23/2013  
Time Report Requested: 15:06:23  
First Dose M/F: 07/25/07 / 07/26/07  
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
TERMINAL SACRIFICE AT 104 WEEKS**

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DOSE	Males			
	0 mg/kg	250 mg/kg	500 mg/kg	1000 mg/kg
<b>Nose: Olfactory Epithelium Degeneration</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	0/50 (0%)	2/50 (4%)	0/50 (0%)
POLY-3 RATE (b)	0/39.72	0/41.78	2/45.21	0/44.14
POLY-3 PERCENT (g)	0%	0%	4.4%	0%
TERMINAL (d)	0/33 (0%)	0/28 (0%)	2/38 (5%)	0/39 (0%)
FIRST INCIDENCE	---	---	727 (T)	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.641	(e)	P=0.267	(e)
POLY 1.5	P=0.630	(e)	P=0.260	(e)
POLY 6	P=0.655	(e)	P=0.272	(e)
COCH-ARM / FISHERS	P=0.595	(e)	P=0.247	(e)
MAX-ISO-POLY-3	P=0.297	(e)	P=0.104	(e)

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Experiment Number: 20320 - 03  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Tetrabromobisphenol A  
 CAS Number: 79-94-7

Date Report Requested: 01/23/2013  
 Time Report Requested: 15:06:23  
 First Dose M/F: 07/25/07 / 07/26/07  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 mg/kg	250 mg/kg	500 mg/kg	1000 mg/kg
<b>Pancreas Atrophy</b>				
<b>LESION RATES</b>				
OVERALL (a)	4/50 (8%)	1/50 (2%)	1/50 (2%)	2/50 (4%)
POLY-3 RATE (b)	4/39.85	1/41.78	1/45.21	2/45.16
POLY-3 PERCENT (g)	10%	2.4%	2.2%	4.4%
TERMINAL (d)	3/33 (9%)	1/28 (4%)	1/38 (3%)	0/39 (0%)
FIRST INCIDENCE	695	727 (T)	727 (T)	534
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.291N	P=0.163N	P=0.143N	P=0.281N
POLY 1.5	P=0.298N	P=0.164N	P=0.150N	P=0.294N
POLY 6	P=0.280N	P=0.169N	P=0.138N	P=0.269N
COCH-ARM / FISHERS	P=0.313N	P=0.181N	P=0.181N	P=0.339N
MAX-ISO-POLY-3	P=0.120N	P=0.079N	P=0.074N	P=0.173N

Experiment Number: 20320 - 03  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Tetrabromobisphenol A  
CAS Number: 79-94-7

Date Report Requested: 01/23/2013  
Time Report Requested: 15:06:23  
First Dose M/F: 07/25/07 / 07/26/07  
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
TERMINAL SACRIFICE AT 104 WEEKS**

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DOSE	Males			
	0 mg/kg	250 mg/kg	500 mg/kg	1000 mg/kg

---

Pancreas: Acinus  
Atrophy

---

**LESION RATES**

OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/39.72	0/41.78	0/45.21	0/44.14
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/33 (0%)	0/28 (0%)	0/38 (0%)	0/39 (0%)
FIRST INCIDENCE	---	---	---	---

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**STATISTICAL TESTS**

POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

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Experiment Number: 20320 - 03  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Tetrabromobisphenol A  
CAS Number: 79-94-7

Date Report Requested: 01/23/2013  
Time Report Requested: 15:06:23  
First Dose M/F: 07/25/07 / 07/26/07  
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
TERMINAL SACRIFICE AT 104 WEEKS**

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DOSE	Males			
	0 mg/kg	250 mg/kg	500 mg/kg	1000 mg/kg

---

Pancreas: Duct  
Cyst

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LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/39.72	0/41.78	0/45.21	0/44.14
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/33 (0%)	0/28 (0%)	0/38 (0%)	0/39 (0%)
FIRST INCIDENCE	---	---	---	---

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STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

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Experiment Number: 20320 - 03  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Tetrabromobisphenol A  
CAS Number: 79-94-7

Date Report Requested: 01/23/2013  
Time Report Requested: 15:06:23  
First Dose M/F: 07/25/07 / 07/26/07  
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
TERMINAL SACRIFICE AT 104 WEEKS**

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DOSE	Males			
	0 mg/kg	250 mg/kg	500 mg/kg	1000 mg/kg
<b>Parathyroid Gland Hyperplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/45 (2%)	1/48 (2%)	2/47 (4%)	1/49 (2%)
POLY-3 RATE (b)	1/34.72	1/40.78	2/42.57	1/43.14
POLY-3 PERCENT (g)	2.9%	2.5%	4.7%	2.3%
TERMINAL (d)	1/28 (4%)	0/26 (0%)	1/35 (3%)	1/38 (3%)
FIRST INCIDENCE	727 (T)	35	626	727 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.590N	P=0.724N	P=0.570	P=0.711N
POLY 1.5	P=0.600N	P=0.727N	P=0.557	P=0.718N
POLY 6	P=0.578N	P=0.727N	P=0.581	P=0.704N
COCH-ARM / FISHERS	P=0.613	P=0.736N	P=0.516	P=0.731N
MAX-ISO-POLY-3	P=0.628N	P=0.456N	P=0.354	P=0.442N

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Experiment Number: 20320 - 03  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Tetrabromobisphenol A  
 CAS Number: 79-94-7

Date Report Requested: 01/23/2013  
 Time Report Requested: 15:06:23  
 First Dose M/F: 07/25/07 / 07/26/07  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 mg/kg	250 mg/kg	500 mg/kg	1000 mg/kg
<b>Pituitary Gland Cyst</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/50 (2%)	3/49 (6%)	0/50 (0%)	3/48 (6%)
POLY-3 RATE (b)	1/39.72	3/42.37	0/45.21	3/43.18
POLY-3 PERCENT (g)	2.5%	7.1%	0%	7%
TERMINAL (d)	1/33 (3%)	0/28 (0%)	0/38 (0%)	2/38 (5%)
FIRST INCIDENCE	727 (T)	514	---	531
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.354	P=0.328	P=0.474N	P=0.336
POLY 1.5	P=0.344	P=0.322	P=0.480N	P=0.325
POLY 6	P=0.364	P=0.329	P=0.470N	P=0.347
COCH-ARM / FISHERS	P=0.311	P=0.301	P=0.500N	P=0.293
MAX-ISO-POLY-3	P=0.274	P=0.179	P=0.158N	P=0.187

Experiment Number: 20320 - 03  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Tetrabromobisphenol A  
CAS Number: 79-94-7

Date Report Requested: 01/23/2013  
Time Report Requested: 15:06:23  
First Dose M/F: 07/25/07 / 07/26/07  
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
TERMINAL SACRIFICE AT 104 WEEKS**

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DOSE	Males			
	0 mg/kg	250 mg/kg	500 mg/kg	1000 mg/kg

---

Pituitary Gland: Pars Distalis  
Hyperplasia

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**LESION RATES**

OVERALL (a)	8/50 (16%)	8/49 (16%)	9/50 (18%)	7/48 (15%)
POLY-3 RATE (b)	8/41.42	8/41.14	9/45.60	7/42.57
POLY-3 PERCENT (g)	19.3%	19.4%	19.7%	16.5%
TERMINAL (d)	6/33 (18%)	8/28 (29%)	8/38 (21%)	7/38 (18%)
FIRST INCIDENCE	244	727 (T)	618	727 (T)

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**STATISTICAL TESTS**

POLY 3	P=0.409N	P=0.604	P=0.587	P=0.477N
POLY 1.5	P=0.425N	P=0.609	P=0.568	P=0.487N
POLY 6	P=0.387N	P=0.584	P=0.602	P=0.465N
COCH-ARM / FISHERS	P=0.480N	P=0.590	P=0.500	P=0.535N
MAX-ISO-POLY-3	P=0.573N	P=0.493	P=0.480	P=0.368N

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Experiment Number: 20320 - 03  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Tetrabromobisphenol A  
 CAS Number: 79-94-7

Date Report Requested: 01/23/2013  
 Time Report Requested: 15:06:23  
 First Dose M/F: 07/25/07 / 07/26/07  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 mg/kg	250 mg/kg	500 mg/kg	1000 mg/kg
<b>Pituitary Gland: Pars Intermedia Hyperplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	2/50 (4%)	2/49 (4%)	2/50 (4%)	2/48 (4%)
POLY-3 RATE (b)	2/39.72	2/41.14	2/45.21	2/42.57
POLY-3 PERCENT (g)	5%	4.9%	4.4%	4.7%
TERMINAL (d)	2/33 (6%)	2/28 (7%)	2/38 (5%)	2/38 (5%)
FIRST INCIDENCE	727 (T)	727 (T)	727 (T)	727 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.571N	P=0.682N	P=0.646N	P=0.669N
POLY 1.5	P=0.581N	P=0.683N	P=0.657N	P=0.678N
POLY 6	P=0.560N	P=0.688N	P=0.639N	P=0.661N
COCH-ARM / FISHERS	P=0.582	P=0.684	P=0.691N	P=0.676
MAX-ISO-POLY-3	P=0.704N	P=0.485N	P=0.449N	P=0.472N

Experiment Number: 20320 - 03  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Tetrabromobisphenol A  
 CAS Number: 79-94-7

Date Report Requested: 01/23/2013  
 Time Report Requested: 15:06:23  
 First Dose M/F: 07/25/07 / 07/26/07  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 mg/kg	250 mg/kg	500 mg/kg	1000 mg/kg
<b>Preputial Gland Inflammation</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/50 (2%)	6/50 (12%)	10/50 (20%)	3/50 (6%)
POLY-3 RATE (b)	1/39.72	6/42.50	10/45.50	3/45.52
POLY-3 PERCENT (g)	2.5%	14.1%	22%	6.6%
TERMINAL (d)	1/33 (3%)	3/28 (11%)	8/38 (21%)	1/39 (3%)
FIRST INCIDENCE	727 (T)	596	654	447
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.516	P=0.066	P=0.008**	P=0.356
POLY 1.5	P=0.479	P=0.065	P=0.007**	P=0.343
POLY 6	P=0.554	P=0.065	P=0.009**	P=0.367
COCH-ARM / FISHERS	P=0.375	P=0.056	P=0.004**	P=0.309
MAX-ISO-POLY-3	P=0.085	P=0.033*	P=0.005**	P=0.205

Experiment Number: 20320 - 03  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Tetrabromobisphenol A  
 CAS Number: 79-94-7

Date Report Requested: 01/23/2013  
 Time Report Requested: 15:06:23  
 First Dose M/F: 07/25/07 / 07/26/07  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 mg/kg	250 mg/kg	500 mg/kg	1000 mg/kg
<b>Prostate Hyperplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	2/50 (4%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	2/39.85	0/41.78	0/45.21	0/44.14
POLY-3 PERCENT (g)	5%	0%	0%	0%
TERMINAL (d)	1/33 (3%)	0/28 (0%)	0/38 (0%)	0/39 (0%)
FIRST INCIDENCE	695	---	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.117N	P=0.226N	P=0.210N	P=0.215N
POLY 1.5	P=0.117N	P=0.227N	P=0.216N	P=0.219N
POLY 6	P=0.115N	P=0.231N	P=0.207N	P=0.211N
COCH-ARM / FISHERS	P=0.115N	P=0.247N	P=0.247N	P=0.247N
MAX-ISO-POLY-3	P=0.032N*	P=0.075N	P=0.075N	P=0.075N

Experiment Number: 20320 - 03  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Tetrabromobisphenol A  
 CAS Number: 79-94-7

Date Report Requested: 01/23/2013  
 Time Report Requested: 15:06:23  
 First Dose M/F: 07/25/07 / 07/26/07  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 mg/kg	250 mg/kg	500 mg/kg	1000 mg/kg
<b>Prostate Inflammation</b>				
<b>LESION RATES</b>				
OVERALL (a)	12/50 (24%)	19/50 (38%)	12/50 (24%)	14/50 (28%)
POLY-3 RATE (b)	12/44.56	19/46.64	12/47.10	14/45.62
POLY-3 PERCENT (g)	26.9%	40.7%	25.5%	30.7%
TERMINAL (d)	3/33 (9%)	6/28 (21%)	6/38 (16%)	11/39 (28%)
FIRST INCIDENCE	244	35	567	387
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.484N	P=0.119	P=0.532N	P=0.436
POLY 1.5	P=0.473N	P=0.121	P=0.537N	P=0.446
POLY 6	P=0.499N	P=0.110	P=0.533N	P=0.419
COCH-ARM / FISHERS	P=0.511N	P=0.097	P=0.592N	P=0.410
MAX-ISO-POLY-3	P=0.440N	P=0.085	P=0.437N	P=0.348



Experiment Number: 20320 - 03  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Tetrabromobisphenol A  
 CAS Number: 79-94-7

Date Report Requested: 01/23/2013  
 Time Report Requested: 15:06:23  
 First Dose M/F: 07/25/07 / 07/26/07  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 mg/kg	250 mg/kg	500 mg/kg	1000 mg/kg
<b>Seminal Vesicle Inflammation</b>				
<b>LESION RATES</b>				
OVERALL (a)	3/50 (6%)	5/50 (10%)	2/50 (4%)	1/50 (2%)
POLY-3 RATE (b)	3/41.06	5/44.32	2/45.50	1/44.14
POLY-3 PERCENT (g)	7.3%	11.3%	4.4%	2.3%
TERMINAL (d)	1/33 (3%)	0/28 (0%)	0/38 (0%)	1/39 (3%)
FIRST INCIDENCE	244	35	654	727 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.115N	P=0.399	P=0.453N	P=0.279N
POLY 1.5	P=0.119N	P=0.393	P=0.464N	P=0.284N
POLY 6	P=0.111N	P=0.396	P=0.447N	P=0.276N
COCH-ARM / FISHERS	P=0.135N	P=0.357	P=0.500N	P=0.309N
MAX-ISO-POLY-3	P=0.157N	P=0.273	P=0.293N	P=0.145N

Experiment Number: 20320 - 03  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Tetrabromobisphenol A  
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Date Report Requested: 01/23/2013  
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 First Dose M/F: 07/25/07 / 07/26/07  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 mg/kg	250 mg/kg	500 mg/kg	1000 mg/kg
<b>Skin</b>				
<b>Ulcer</b>				
<b>LESION RATES</b>				
OVERALL (a)	10/50 (20%)	7/50 (14%)	3/50 (6%)	6/50 (12%)
POLY-3 RATE (b)	10/41.08	7/42.04	3/45.21	6/44.14
POLY-3 PERCENT (g)	24.3%	16.7%	6.6%	13.6%
TERMINAL (d)	6/33 (18%)	6/28 (21%)	3/38 (8%)	6/39 (15%)
FIRST INCIDENCE	542	657	727 (T)	727 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.113N	P=0.275N	P=0.021N*	P=0.160N
POLY 1.5	P=0.119N	P=0.269N	P=0.023N*	P=0.165N
POLY 6	P=0.108N	P=0.302N	P=0.021N*	P=0.161N
COCH-ARM / FISHERS	P=0.143N	P=0.298N	P=0.036N*	P=0.207N
MAX-ISO-POLY-3	P=0.058N	P=0.195N	P=0.013N*	P=0.109N

Experiment Number: 20320 - 03  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Tetrabromobisphenol A  
CAS Number: 79-94-7

Date Report Requested: 01/23/2013  
Time Report Requested: 15:06:23  
First Dose M/F: 07/25/07 / 07/26/07  
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 mg/kg	250 mg/kg	500 mg/kg	1000 mg/kg
<b>Spleen</b>				
<b>Hematopoietic Cell Proliferation</b>				
<b>LESION RATES</b>				
OVERALL (a)	8/50 (16%)	15/50 (30%)	9/50 (18%)	10/50 (20%)
POLY-3 RATE (b)	8/41.76	15/43.88	9/47.74	10/45.57
POLY-3 PERCENT (g)	19.2%	34.2%	18.9%	22%
TERMINAL (d)	4/33 (12%)	9/28 (32%)	4/38 (11%)	7/39 (18%)
FIRST INCIDENCE	2	35	393	531
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.419N	P=0.090	P=0.591N	P=0.477
POLY 1.5	P=0.448N	P=0.091	P=0.586	P=0.457
POLY 6	P=0.394N	P=0.082	P=0.568N	P=0.494
COCH-ARM / FISHERS	P=0.523N	P=0.077	P=0.500	P=0.398
MAX-ISO-POLY-3	P=0.400N	P=0.060	P=0.485N	P=0.378

Experiment Number: 20320 - 03  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Tetrabromobisphenol A  
 CAS Number: 79-94-7

Date Report Requested: 01/23/2013  
 Time Report Requested: 15:06:23  
 First Dose M/F: 07/25/07 / 07/26/07  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 mg/kg	250 mg/kg	500 mg/kg	1000 mg/kg
<b>Spleen: Lymphoid Follicle Atrophy</b>				
<b>LESION RATES</b>				
OVERALL (a)	6/50 (12%)	5/50 (10%)	0/50 (0%)	2/50 (4%)
POLY-3 RATE (b)	6/44.00	5/44.11	0/45.21	2/45.21
POLY-3 PERCENT (g)	13.6%	11.3%	0%	4.4%
TERMINAL (d)	0/33 (0%)	0/28 (0%)	0/38 (0%)	0/39 (0%)
FIRST INCIDENCE	2	35	---	517
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.040N*	P=0.498N	P=0.014N*	P=0.124N
POLY 1.5	P=0.041N*	P=0.493N	P=0.014N*	P=0.127N
POLY 6	P=0.038N*	P=0.515N	P=0.014N*	P=0.121N
COCH-ARM / FISHERS	P=0.045N*	P=0.500N	P=0.013N*	P=0.134N
MAX-ISO-POLY-3	P=0.029N*	P=0.371N	P=0.004N**	P=0.066N

Experiment Number: 20320 - 03  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Tetrabromobisphenol A  
 CAS Number: 79-94-7

Date Report Requested: 01/23/2013  
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 First Dose M/F: 07/25/07 / 07/26/07  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 mg/kg	250 mg/kg	500 mg/kg	1000 mg/kg
<b>Stomach, Forestomach Inflammation Chronic</b>				
<b>LESION RATES</b>				
OVERALL (a)	6/50 (12%)	5/50 (10%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	6/42.40	5/43.15	0/45.21	1/44.14
POLY-3 PERCENT (g)	14.2%	11.6%	0%	2.3%
TERMINAL (d)	1/33 (3%)	0/28 (0%)	0/38 (0%)	1/39 (3%)
FIRST INCIDENCE	485	500	---	727 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.011N*	P=0.488N	P=0.012N*	P=0.049N*
POLY 1.5	P=0.011N*	P=0.480N	P=0.012N*	P=0.049N*
POLY 6	P=0.011N*	P=0.509N	P=0.012N*	P=0.051N
COCH-ARM / FISHERS	P=0.013N*	P=0.500N	P=0.013N*	P=0.056N
MAX-ISO-POLY-3	P=0.013N*	P=0.362N	P=0.004N**	P=0.022N*

Experiment Number: 20320 - 03  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
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Date Report Requested: 01/23/2013  
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 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 mg/kg	250 mg/kg	500 mg/kg	1000 mg/kg
<b>Stomach, Forestomach Ulcer</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/50 (2%)	1/50 (2%)	2/50 (4%)	0/50 (0%)
POLY-3 RATE (b)	1/39.72	1/42.46	2/46.05	0/44.14
POLY-3 PERCENT (g)	2.5%	2.4%	4.3%	0%
TERMINAL (d)	1/33 (3%)	0/28 (0%)	1/38 (3%)	0/39 (0%)
FIRST INCIDENCE	727 (T)	497	393	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.335N	P=0.746N	P=0.551	P=0.479N
POLY 1.5	P=0.342N	P=0.748N	P=0.539	P=0.483N
POLY 6	P=0.327N	P=0.749N	P=0.559	P=0.475N
COCH-ARM / FISHERS	P=0.366N	P=0.753N	P=0.500	P=0.500N
MAX-ISO-POLY-3	P=0.304N	P=0.481N	P=0.336	P=0.158N

Experiment Number: 20320 - 03  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
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First Dose M/F: 07/25/07 / 07/26/07  
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 mg/kg	250 mg/kg	500 mg/kg	1000 mg/kg
<b>Stomach, Glandular Inflammation Chronic</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/50 (2%)	2/50 (4%)	1/50 (2%)	1/50 (2%)
POLY-3 RATE (b)	1/39.72	2/42.15	1/45.57	1/44.14
POLY-3 PERCENT (g)	2.5%	4.7%	2.2%	2.3%
TERMINAL (d)	1/33 (3%)	1/28 (4%)	0/38 (0%)	1/39 (3%)
FIRST INCIDENCE	727 (T)	622	626	727 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.496N	P=0.521	P=0.729N	P=0.737N
POLY 1.5	P=0.503N	P=0.518	P=0.737N	P=0.742N
POLY 6	P=0.489N	P=0.516	P=0.723N	P=0.732N
COCH-ARM / FISHERS	P=0.531N	P=0.500	P=0.753N	P=0.753N
MAX-ISO-POLY-3	P=0.565N	P=0.303	P=0.463N	P=0.470N

Experiment Number: 20320 - 03  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Tetrabromobisphenol A  
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Date Report Requested: 01/23/2013  
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 First Dose M/F: 07/25/07 / 07/26/07  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 mg/kg	250 mg/kg	500 mg/kg	1000 mg/kg
<b>Stomach, Glandular Mineralization</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	3/50 (6%)	4/50 (8%)	1/50 (2%)
POLY-3 RATE (b)	0/39.72	3/41.78	4/45.21	1/44.75
POLY-3 PERCENT (g)	0%	7.2%	8.9%	2.2%
TERMINAL (d)	0/33 (0%)	3/28 (11%)	4/38 (11%)	0/39 (0%)
FIRST INCIDENCE	---	727 (T)	727 (T)	534
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.586	P=0.127	P=0.078	P=0.524
POLY 1.5	P=0.566	P=0.127	P=0.074	P=0.518
POLY 6	P=0.599N	P=0.123	P=0.081	P=0.529
COCH-ARM / FISHERS	P=0.500	P=0.121	P=0.059	P=0.500
MAX-ISO-POLY-3	P=0.171	P=0.045*	P=0.034*	P=0.187



Experiment Number: 20320 - 03  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Tetrabromobisphenol A  
CAS Number: 79-94-7

Date Report Requested: 01/23/2013  
Time Report Requested: 15:06:23  
First Dose M/F: 07/25/07 / 07/26/07  
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
TERMINAL SACRIFICE AT 104 WEEKS**

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DOSE	Males			
	0 mg/kg	250 mg/kg	500 mg/kg	1000 mg/kg
<b>Stomach, Glandular Ulcer</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/50 (2%)	0/50 (0%)	1/50 (2%)	1/50 (2%)
POLY-3 RATE (b)	1/40.70	0/41.78	1/45.60	1/44.14
POLY-3 PERCENT (g)	2.5%	0%	2.2%	2.3%
TERMINAL (d)	0/33 (0%)	0/28 (0%)	0/38 (0%)	1/39 (3%)
FIRST INCIDENCE	196	---	618	727 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

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Experiment Number: 20320 - 03  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
TERMINAL SACRIFICE AT 104 WEEKS**

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DOSE	Males			
	0 mg/kg	250 mg/kg	500 mg/kg	1000 mg/kg

---

Testes				
Edema				

---

LESION RATES				
OVERALL (a)	35/50 (70%)	32/50 (64%)	37/50 (74%)	36/50 (72%)
POLY-3 RATE (b)	35/40.99	32/43.45	37/45.90	36/45.76
POLY-3 PERCENT (g)	85.4%	73.7%	80.6%	78.7%
TERMINAL (d)	30/33 (91%)	24/28 (86%)	34/38 (90%)	33/39 (85%)
FIRST INCIDENCE	622	549	626	447

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STATISTICAL TESTS				
POLY 3	P=0.404N	P=0.117N	P=0.368N	P=0.280N
POLY 1.5	P=0.491N	P=0.158N	P=0.464N	P=0.374N
POLY 6	P=0.326N	P=0.117N	P=0.330N	P=0.229N
COCH-ARM / FISHERS	P=0.338	P=0.335N	P=0.412	P=0.500
MAX-ISO-POLY-3	P=0.292N	P=0.073N	P=0.268N	P=0.199N

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Experiment Number: 20320 - 03  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 mg/kg	250 mg/kg	500 mg/kg	1000 mg/kg
Testes: Germinal Epithelium Atrophy				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	4/50 (8%)	1/50 (2%)	2/50 (4%)
POLY-3 RATE (b)	0/39.72	4/42.46	1/45.21	2/44.14
POLY-3 PERCENT (g)	0%	9.4%	2.2%	4.5%
TERMINAL (d)	0/33 (0%)	3/28 (11%)	1/38 (3%)	2/39 (5%)
FIRST INCIDENCE	---	497	727 (T)	727 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.484	P=0.069	P=0.526	P=0.261
POLY 1.5	P=0.472	P=0.068	P=0.520	P=0.256
POLY 6	P=0.494	P=0.066	P=0.529	P=0.266
COCH-ARM / FISHERS	P=0.423	P=0.059	P=0.500	P=0.247
MAX-ISO-POLY-3	P=0.198	P=0.026*	P=0.190	P=0.099

Experiment Number: 20320 - 03  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
TERMINAL SACRIFICE AT 104 WEEKS**

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DOSE	Males			
	0 mg/kg	250 mg/kg	500 mg/kg	1000 mg/kg

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Testes: Germinal Epithelium  
Mineralization

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**LESION RATES**

OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	2/50 (4%)
POLY-3 RATE (b)	0/39.72	0/41.78	0/45.21	2/44.14
POLY-3 PERCENT (g)	0%	0%	0%	4.5%
TERMINAL (d)	0/33 (0%)	0/28 (0%)	0/38 (0%)	2/39 (5%)
FIRST INCIDENCE	---	---	---	727 (T)

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**STATISTICAL TESTS**

POLY 3	P=0.049*	(e)	(e)	P=0.261
POLY 1.5	P=0.048*	(e)	(e)	P=0.256
POLY 6	P=0.051	(e)	(e)	P=0.266
COCH-ARM / FISHERS	P=0.046*	(e)	(e)	P=0.247
MAX-ISO-POLY-3	P=0.053	(e)	(e)	P=0.099

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Experiment Number: 20320 - 03  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
TERMINAL SACRIFICE AT 104 WEEKS**

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DOSE	Males			
	0 mg/kg	250 mg/kg	500 mg/kg	1000 mg/kg
<b>Thymus Atrophy</b>				
<b>LESION RATES</b>				
OVERALL (a)	39/49 (80%)	46/49 (94%)	44/49 (90%)	45/50 (90%)
POLY-3 RATE (b)	39/44.65	46/47.81	44/47.32	45/48.59
POLY-3 PERCENT (g)	87.4%	96.2%	93%	92.6%
TERMINAL (d)	28/33 (85%)	27/28 (96%)	36/38 (95%)	36/39 (92%)
FIRST INCIDENCE	244	397	574	387
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.374	P=0.109	P=0.279	P=0.301
POLY 1.5	P=0.364	P=0.076	P=0.268	P=0.274
POLY 6	P=0.364	P=0.128	P=0.260	P=0.309
COCH-ARM / FISHERS	P=0.165	P=0.035*	P=0.131	P=0.122
MAX-ISO-POLY-3	P=0.182	P=0.057	P=0.177	P=0.198

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Experiment Number: 20320 - 03  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
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 First Dose M/F: 07/25/07 / 07/26/07  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 mg/kg	250 mg/kg	500 mg/kg	1000 mg/kg
<b>Thymus Hyperplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/49 (2%)	0/49 (0%)	0/49 (0%)	0/50 (0%)
POLY-3 RATE (b)	1/39.05	0/41.20	0/44.86	0/44.14
POLY-3 PERCENT (g)	2.6%	0%	0%	0%
TERMINAL (d)	1/33 (3%)	0/28 (0%)	0/38 (0%)	0/39 (0%)
FIRST INCIDENCE	727 (T)	---	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

Experiment Number: 20320 - 03  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Tetrabromobisphenol A  
CAS Number: 79-94-7

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First Dose M/F: 07/25/07 / 07/26/07  
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
TERMINAL SACRIFICE AT 104 WEEKS**

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DOSE	Males			
	0 mg/kg	250 mg/kg	500 mg/kg	1000 mg/kg

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Thyroid Gland: C-Cell  
Hyperplasia

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LESION RATES				
OVERALL (a)	16/50 (32%)	27/50 (54%)	26/50 (52%)	19/50 (38%)
POLY-3 RATE (b)	16/41.85	27/44.41	26/47.96	19/45.58
POLY-3 PERCENT (g)	38.2%	60.8%	54.2%	41.7%
TERMINAL (d)	13/33 (39%)	16/28 (57%)	18/38 (47%)	15/39 (39%)
FIRST INCIDENCE	465	549	511	534

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STATISTICAL TESTS				
POLY 3	P=0.396N	P=0.026*	P=0.094	P=0.456
POLY 1.5	P=0.432N	P=0.025*	P=0.073	P=0.433
POLY 6	P=0.351N	P=0.025*	P=0.121	P=0.487
COCH-ARM / FISHERS	P=0.500	P=0.021*	P=0.034*	P=0.338
MAX-ISO-POLY-3	P=0.164	P=0.017*	P=0.075	P=0.374

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Experiment Number: 20320 - 03  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: RATS/Wistar Han

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Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 mg/kg	250 mg/kg	500 mg/kg	1000 mg/kg
<b>Thyroid Gland: Follicle Hyperplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	3/50 (6%)	0/50 (0%)	2/50 (4%)	2/50 (4%)
POLY-3 RATE (b)	3/39.72	0/41.78	2/45.21	2/44.14
POLY-3 PERCENT (g)	7.6%	0%	4.4%	4.5%
TERMINAL (d)	3/33 (9%)	0/28 (0%)	2/38 (5%)	2/39 (5%)
FIRST INCIDENCE	727 (T)	---	727 (T)	727 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.557N	P=0.109N	P=0.441N	P=0.452N
POLY 1.5	P=0.563N	P=0.110N	P=0.454N	P=0.462N
POLY 6	P=0.545N	P=0.112N	P=0.433N	P=0.443N
COCH-ARM / FISHERS	P=0.577N	P=0.121N	P=0.500N	P=0.500N
MAX-ISO-POLY-3	P=0.266N	P=0.037N*	P=0.285N	P=0.292N



Experiment Number: 20320 - 03  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
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Date Report Requested: 01/23/2013  
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 First Dose M/F: 07/25/07 / 07/26/07  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 mg/kg	250 mg/kg	500 mg/kg	1000 mg/kg
<b>Trachea Inflammation</b>				
<b>LESION RATES</b>				
OVERALL (a)	2/50 (4%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	2/40.91	0/41.78	0/45.21	0/44.14
POLY-3 PERCENT (g)	4.9%	0%	0%	0%
TERMINAL (d)	0/33 (0%)	0/28 (0%)	0/38 (0%)	0/39 (0%)
FIRST INCIDENCE	533	---	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.115N	P=0.232N	P=0.216N	P=0.220N
POLY 1.5	P=0.116N	P=0.230N	P=0.219N	P=0.223N
POLY 6	P=0.112N	P=0.240N	P=0.214N	P=0.219N
COCH-ARM / FISHERS	P=0.115N	P=0.247N	P=0.247N	P=0.247N
MAX-ISO-POLY-3	P=0.032N*	P=0.076N	P=0.076N	P=0.076N

Experiment Number: 20320 - 03  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Tetrabromobisphenol A  
 CAS Number: 79-94-7

Date Report Requested: 01/23/2013  
 Time Report Requested: 15:06:23  
 First Dose M/F: 07/25/07 / 07/26/07  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 mg/kg	250 mg/kg	500 mg/kg	1000 mg/kg
<b>Adrenal Cortex</b>				
<b>Angiectasis</b>				
<b>LESION RATES</b>				
OVERALL (a)	12/50 (24%)	7/50 (14%)	6/50 (12%)	9/50 (18%)
POLY-3 RATE (b)	12/43.39	7/43.94	6/38.67	9/42.17
POLY-3 PERCENT (g)	27.7%	15.9%	15.5%	21.3%
TERMINAL (d)	10/34 (29%)	5/34 (15%)	5/29 (17%)	7/33 (21%)
FIRST INCIDENCE	545	624	637	684
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.365N	P=0.141N	P=0.143N	P=0.334N
POLY 1.5	P=0.351N	P=0.144N	P=0.123N	P=0.325N
POLY 6	P=0.383N	P=0.142N	P=0.168N	P=0.350N
COCH-ARM / FISHERS	P=0.328N	P=0.154N	P=0.096N	P=0.312N
MAX-ISO-POLY-3	P=0.199N	P=0.092N	P=0.103N	P=0.252N

Experiment Number: 20320 - 03  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Tetrabromobisphenol A  
 CAS Number: 79-94-7

Date Report Requested: 01/23/2013  
 Time Report Requested: 15:06:23  
 First Dose M/F: 07/25/07 / 07/26/07  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 mg/kg	250 mg/kg	500 mg/kg	1000 mg/kg
<b>Adrenal Cortex Hyperplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	7/50 (14%)	7/50 (14%)	7/50 (14%)	11/50 (22%)
POLY-3 RATE (b)	7/44.12	7/43.60	7/38.47	11/43.26
POLY-3 PERCENT (g)	15.9%	16.1%	18.2%	25.4%
TERMINAL (d)	5/34 (15%)	5/34 (15%)	6/29 (21%)	8/33 (24%)
FIRST INCIDENCE	464	713	697	531
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.128	P=0.605	P=0.505	P=0.200
POLY 1.5	P=0.135	P=0.611	P=0.546	P=0.206
POLY 6	P=0.121	P=0.593	P=0.460	P=0.191
COCH-ARM / FISHERS	P=0.148	P=0.613N	P=0.613N	P=0.218
MAX-ISO-POLY-3	P=0.200	P=0.490	P=0.394	P=0.136

Experiment Number: 20320 - 03  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Tetrabromobisphenol A  
CAS Number: 79-94-7

Date Report Requested: 01/23/2013  
Time Report Requested: 15:06:23  
First Dose M/F: 07/25/07 / 07/26/07  
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
TERMINAL SACRIFICE AT 104 WEEKS**

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DOSE	Females			
	0 mg/kg	250 mg/kg	500 mg/kg	1000 mg/kg
<b>Adrenal Cortex</b>				
<b>Necrosis</b>				
<hr/>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/42.80	1/43.91	0/38.34	0/41.83
POLY-3 PERCENT (g)	0%	2.3%	0%	0%
TERMINAL (d)	0/34 (0%)	0/34 (0%)	0/29 (0%)	0/33 (0%)
FIRST INCIDENCE	---	614	---	---
<hr/>				
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

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Experiment Number: 20320 - 03  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Tetrabromobisphenol A  
 CAS Number: 79-94-7

Date Report Requested: 01/23/2013  
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 First Dose M/F: 07/25/07 / 07/26/07  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 mg/kg	250 mg/kg	500 mg/kg	1000 mg/kg
<b>Adrenal Cortex</b>				
<b>Vacuolization Cytoplasmic</b>				
<b>LESION RATES</b>				
OVERALL (a)	2/50 (4%)	3/50 (6%)	5/50 (10%)	2/50 (4%)
POLY-3 RATE (b)	2/42.80	3/43.77	5/39.45	2/41.83
POLY-3 PERCENT (g)	4.7%	6.9%	12.7%	4.8%
TERMINAL (d)	2/34 (6%)	2/34 (6%)	1/29 (3%)	2/33 (6%)
FIRST INCIDENCE	728 (T)	658	545	728 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.558	P=0.510	P=0.183	P=0.686
POLY 1.5	P=0.567	P=0.508	P=0.194	P=0.689
POLY 6	P=0.544	P=0.510	P=0.173	P=0.680
COCH-ARM / FISHERS	P=0.580	P=0.500	P=0.218	P=0.691N
MAX-ISO-POLY-3	P=0.392	P=0.334	P=0.105	P=0.490

Experiment Number: 20320 - 03  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Tetrabromobisphenol A  
 CAS Number: 79-94-7

Date Report Requested: 01/23/2013  
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 First Dose M/F: 07/25/07 / 07/26/07  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 mg/kg	250 mg/kg	500 mg/kg	1000 mg/kg
<b>Adrenal Medulla Hemorrhage</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/49 (0%)	0/50 (0%)	0/50 (0%)	2/50 (4%)
POLY-3 RATE (b)	0/41.80	0/43.51	0/38.34	2/42.42
POLY-3 PERCENT (g)	0%	0%	0%	4.7%
TERMINAL (d)	0/33 (0%)	0/34 (0%)	0/29 (0%)	0/33 (0%)
FIRST INCIDENCE	---	---	---	607
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.044*	(e)	(e)	P=0.240
POLY 1.5	P=0.045*	(e)	(e)	P=0.241
POLY 6	P=0.044*	(e)	(e)	P=0.239
COCH-ARM / FISHERS	P=0.047*	(e)	(e)	P=0.253
MAX-ISO-POLY-3	P=0.034*	(e)	(e)	P=0.078

Experiment Number: 20320 - 03  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Tetrabromobisphenol A  
 CAS Number: 79-94-7

Date Report Requested: 01/23/2013  
 Time Report Requested: 15:06:23  
 First Dose M/F: 07/25/07 / 07/26/07  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 mg/kg	250 mg/kg	500 mg/kg	1000 mg/kg
<b>Adrenal Medulla Hyperplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	2/49 (4%)	2/50 (4%)	0/50 (0%)	2/50 (4%)
POLY-3 RATE (b)	2/41.80	2/43.88	0/38.34	2/42.00
POLY-3 PERCENT (g)	4.8%	4.6%	0%	4.8%
TERMINAL (d)	2/33 (6%)	1/34 (3%)	0/29 (0%)	1/33 (3%)
FIRST INCIDENCE	728 (T)	624	---	684
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.565N	P=0.677N	P=0.257N	P=0.693N
POLY 1.5	P=0.559N	P=0.679N	P=0.248N	P=0.690N
POLY 6	P=0.573N	P=0.676N	P=0.267N	P=0.692
COCH-ARM / FISHERS	P=0.550N	P=0.684N	P=0.242N	P=0.684N
MAX-ISO-POLY-3	P=0.460N	P=0.479N	P=0.095N	P=0.497N

Experiment Number: 20320 - 03  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Tetrabromobisphenol A  
 CAS Number: 79-94-7

Date Report Requested: 01/23/2013  
 Time Report Requested: 15:06:23  
 First Dose M/F: 07/25/07 / 07/26/07  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 mg/kg	250 mg/kg	500 mg/kg	1000 mg/kg
<b>Brain Compression</b>				
<b>LESION RATES</b>				
OVERALL (a)	11/50 (22%)	10/50 (20%)	9/50 (18%)	6/50 (12%)
POLY-3 RATE (b)	11/46.51	10/45.89	9/41.08	6/42.96
POLY-3 PERCENT (g)	23.7%	21.8%	21.9%	14%
TERMINAL (d)	2/34 (6%)	2/34 (6%)	3/29 (10%)	3/33 (9%)
FIRST INCIDENCE	464	492	488	531
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.151N	P=0.514N	P=0.524N	P=0.185N
POLY 1.5	P=0.132N	P=0.505N	P=0.479N	P=0.166N
POLY 6	P=0.182N	P=0.529N	P=0.575N	P=0.214N
COCH-ARM / FISHERS	P=0.107N	P=0.500N	P=0.402N	P=0.143N
MAX-ISO-POLY-3	P=0.219N	P=0.415N	P=0.426N	P=0.131N



Experiment Number: 20320 - 03  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Tetrabromobisphenol A  
CAS Number: 79-94-7

Date Report Requested: 01/23/2013  
Time Report Requested: 15:06:23  
First Dose M/F: 07/25/07 / 07/26/07  
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 mg/kg	250 mg/kg	500 mg/kg	1000 mg/kg
<b>Clitoral Gland Inflammation</b>				
<b>LESION RATES</b>				
OVERALL (a)	4/50 (8%)	2/50 (4%)	4/50 (8%)	5/50 (10%)
POLY-3 RATE (b)	4/42.80	2/44.08	4/39.02	5/42.36
POLY-3 PERCENT (g)	9.3%	4.5%	10.3%	11.8%
TERMINAL (d)	3/34 (9%)	1/34 (3%)	2/29 (7%)	3/33 (9%)
FIRST INCIDENCE	726	548	545	625
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.291	P=0.323N	P=0.592	P=0.493
POLY 1.5	P=0.297	P=0.327N	P=0.610	P=0.496
POLY 6	P=0.284	P=0.322N	P=0.572	P=0.488
COCH-ARM / FISHERS	P=0.309	P=0.339N	P=0.643N	P=0.500
MAX-ISO-POLY-3	P=0.347	P=0.193N	P=0.447	P=0.356

Experiment Number: 20320 - 03  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Tetrabromobisphenol A  
 CAS Number: 79-94-7

Date Report Requested: 01/23/2013  
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 First Dose M/F: 07/25/07 / 07/26/07  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 mg/kg	250 mg/kg	500 mg/kg	1000 mg/kg
<b>Esophagus Perforation</b>				
<b>LESION RATES</b>				
OVERALL (a)	3/50 (6%)	0/49 (0%)	0/50 (0%)	3/50 (6%)
POLY-3 RATE (b)	3/45.42	0/42.91	0/38.34	3/44.02
POLY-3 PERCENT (g)	6.6%	0%	0%	6.8%
TERMINAL (d)	0/34 (0%)	0/34 (0%)	0/29 (0%)	0/33 (0%)
FIRST INCIDENCE	364	---	---	191
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.438	P=0.129N	P=0.152N	P=0.648
POLY 1.5	P=0.442	P=0.127N	P=0.140N	P=0.653
POLY 6	P=0.434	P=0.131N	P=0.165N	P=0.641
COCH-ARM / FISHERS	P=0.447	P=0.125N	P=0.121N	P=0.661N
MAX-ISO-POLY-3	P=0.199	P=0.046N*	P=0.067N	P=0.484

Experiment Number: 20320 - 03  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Tetrabromobisphenol A  
 CAS Number: 79-94-7

Date Report Requested: 01/23/2013  
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 First Dose M/F: 07/25/07 / 07/26/07  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 mg/kg	250 mg/kg	500 mg/kg	1000 mg/kg
Eye Cataract				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	0/48 (0%)	2/49 (4%)	1/49 (2%)
POLY-3 RATE (b)	0/42.80	0/42.53	2/38.40	1/41.43
POLY-3 PERCENT (g)	0%	0%	5.2%	2.4%
TERMINAL (d)	0/34 (0%)	0/34 (0%)	1/29 (3%)	0/33 (0%)
FIRST INCIDENCE	---	---	529	684
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.238	(e)	P=0.213	P=0.494
POLY 1.5	P=0.240	(e)	P=0.220	P=0.494
POLY 6	P=0.235	(e)	P=0.207	P=0.492
COCH-ARM / FISHERS	P=0.244	(e)	P=0.242	P=0.495
MAX-ISO-POLY-3	P=0.158	(e)	P=0.074	P=0.157

Experiment Number: 20320 - 03  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/Wistar Han

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

Tetrabromobisphenol A

CAS Number: 79-94-7

Date Report Requested: 01/23/2013

Time Report Requested: 15:06:23

First Dose M/F: 07/25/07 / 07/26/07

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 mg/kg	250 mg/kg	500 mg/kg	1000 mg/kg
<b>Eye: Retina</b>				
<b>Atrophy</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	2/48 (4%)	3/49 (6%)	4/49 (8%)
POLY-3 RATE (b)	0/42.80	2/42.53	3/37.78	4/41.94
POLY-3 PERCENT (g)	0%	4.7%	7.9%	9.5%
TERMINAL (d)	0/34 (0%)	2/34 (6%)	3/29 (10%)	1/33 (3%)
FIRST INCIDENCE	---	728 (T)	728 (T)	630
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.044*	P=0.236	P=0.097	P=0.057
POLY 1.5	P=0.044*	P=0.233	P=0.103	P=0.057
POLY 6	P=0.043*	P=0.236	P=0.091	P=0.057
COCH-ARM / FISHERS	P=0.047*	P=0.237	P=0.117	P=0.056
MAX-ISO-POLY-3	P=0.039*	P=0.077	P=0.037*	P=0.018*

Experiment Number: 20320 - 03  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Tetrabromobisphenol A  
CAS Number: 79-94-7

Date Report Requested: 01/23/2013  
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First Dose M/F: 07/25/07 / 07/26/07  
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
TERMINAL SACRIFICE AT 104 WEEKS**

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DOSE	Females			
	0 mg/kg	250 mg/kg	500 mg/kg	1000 mg/kg
<b>Harderian Gland Hyperplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	0/48 (0%)	0/49 (0%)	0/49 (0%)
POLY-3 RATE (b)	0/42.80	0/42.53	0/37.78	0/41.26
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/34 (0%)	0/34 (0%)	0/29 (0%)	0/33 (0%)
FIRST INCIDENCE	---	---	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

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Experiment Number: 20320 - 03  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Tetrabromobisphenol A  
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Date Report Requested: 01/23/2013  
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 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 mg/kg	250 mg/kg	500 mg/kg	1000 mg/kg
<b>Heart</b>				
<b>Cardiomyopathy</b>				
<b>LESION RATES</b>				
OVERALL (a)	9/50 (18%)	10/50 (20%)	3/50 (6%)	7/50 (14%)
POLY-3 RATE (b)	9/43.38	10/44.65	3/38.68	7/42.36
POLY-3 PERCENT (g)	20.8%	22.4%	7.8%	16.5%
TERMINAL (d)	8/34 (24%)	8/34 (24%)	2/29 (7%)	5/33 (15%)
FIRST INCIDENCE	545	383	636	630
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.245N	P=0.528	P=0.087N	P=0.411N
POLY 1.5	P=0.234N	P=0.522	P=0.076N	P=0.404N
POLY 6	P=0.258N	P=0.526	P=0.101N	P=0.424N
COCH-ARM / FISHERS	P=0.217N	P=0.500	P=0.061N	P=0.393N
MAX-ISO-POLY-3	P=0.205N	P=0.425	P=0.056N	P=0.310N

Experiment Number: 20320 - 03  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Tetrabromobisphenol A  
 CAS Number: 79-94-7

Date Report Requested: 01/23/2013  
 Time Report Requested: 15:06:23  
 First Dose M/F: 07/25/07 / 07/26/07  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 mg/kg	250 mg/kg	500 mg/kg	1000 mg/kg
<b>Heart: Endocardium Hyperplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	2/50 (4%)	2/50 (4%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	2/42.80	2/43.51	1/38.67	0/41.83
POLY-3 PERCENT (g)	4.7%	4.6%	2.6%	0%
TERMINAL (d)	1/34 (3%)	2/34 (6%)	0/29 (0%)	0/33 (0%)
FIRST INCIDENCE	726	728 (T)	639	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.133N	P=0.688N	P=0.535N	P=0.242N
POLY 1.5	P=0.130N	P=0.689N	P=0.523N	P=0.240N
POLY 6	P=0.137N	P=0.691N	P=0.549N	P=0.246N
COCH-ARM / FISHERS	P=0.125N	P=0.691N	P=0.500N	P=0.247N
MAX-ISO-POLY-3	P=0.167N	P=0.493N	P=0.319N	P=0.081N

Experiment Number: 20320 - 03  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Tetrabromobisphenol A  
 CAS Number: 79-94-7

Date Report Requested: 01/23/2013  
 Time Report Requested: 15:06:23  
 First Dose M/F: 07/25/07 / 07/26/07  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 mg/kg	250 mg/kg	500 mg/kg	1000 mg/kg
<b>Intestine Large, Colon Ulcer</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/42.80	0/43.51	0/38.34	0/41.83
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/34 (0%)	0/34 (0%)	0/29 (0%)	0/33 (0%)
FIRST INCIDENCE	---	---	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)



Experiment Number: 20320 - 03  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Tetrabromobisphenol A  
CAS Number: 79-94-7

Date Report Requested: 01/23/2013  
Time Report Requested: 15:06:23  
First Dose M/F: 07/25/07 / 07/26/07  
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
TERMINAL SACRIFICE AT 104 WEEKS**

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DOSE	Females			
	0 mg/kg	250 mg/kg	500 mg/kg	1000 mg/kg
<b>Intestine Large, Rectum Parasite Metazoan</b>				
<b>LESION RATES</b>				
OVERALL (a)	3/50 (6%)	2/50 (4%)	2/50 (4%)	1/50 (2%)
POLY-3 RATE (b)	3/43.67	2/44.40	2/38.89	1/41.83
POLY-3 PERCENT (g)	6.9%	4.5%	5.1%	2.4%
TERMINAL (d)	2/34 (6%)	1/34 (3%)	1/29 (3%)	1/33 (3%)
FIRST INCIDENCE	364	355	561	728 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.253N	P=0.493N	P=0.553N	P=0.321N
POLY 1.5	P=0.246N	P=0.494N	P=0.534N	P=0.315N
POLY 6	P=0.261N	P=0.495N	P=0.571N	P=0.329N
COCH-ARM / FISHERS	P=0.232N	P=0.500N	P=0.500N	P=0.309N
MAX-ISO-POLY-3	P=0.274N	P=0.318N	P=0.378N	P=0.170N

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Experiment Number: 20320 - 03  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Tetrabromobisphenol A  
 CAS Number: 79-94-7

Date Report Requested: 01/23/2013  
 Time Report Requested: 15:06:23  
 First Dose M/F: 07/25/07 / 07/26/07  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 mg/kg	250 mg/kg	500 mg/kg	1000 mg/kg
<b>Kidney Cyst</b>				
<b>LESION RATES</b>				
OVERALL (a)	2/50 (4%)	1/50 (2%)	2/50 (4%)	0/50 (0%)
POLY-3 RATE (b)	2/43.37	1/43.78	2/38.34	0/41.83
POLY-3 PERCENT (g)	4.6%	2.3%	5.2%	0%
TERMINAL (d)	1/34 (3%)	0/34 (0%)	2/29 (7%)	0/33 (0%)
FIRST INCIDENCE	546	656	728 (T)	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.213N	P=0.497N	P=0.649	P=0.245N
POLY 1.5	P=0.208N	P=0.497N	P=0.666	P=0.242N
POLY 6	P=0.219N	P=0.499N	P=0.629	P=0.251N
COCH-ARM / FISHERS	P=0.200N	P=0.500N	P=0.691N	P=0.247N
MAX-ISO-POLY-3	P=0.172N	P=0.279N	P=0.452	P=0.083N

Experiment Number: 20320 - 03  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Tetrabromobisphenol A  
 CAS Number: 79-94-7

Date Report Requested: 01/23/2013  
 Time Report Requested: 15:06:23  
 First Dose M/F: 07/25/07 / 07/26/07  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 mg/kg	250 mg/kg	500 mg/kg	1000 mg/kg
<b>Kidney</b>				
<b>Hydronephrosis</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/50 (2%)	1/50 (2%)	0/50 (0%)	2/50 (4%)
POLY-3 RATE (b)	1/43.07	1/44.08	0/38.34	2/41.83
POLY-3 PERCENT (g)	2.3%	2.3%	0%	4.8%
TERMINAL (d)	0/34 (0%)	0/34 (0%)	0/29 (0%)	2/33 (6%)
FIRST INCIDENCE	655	548	---	728 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.352	P=0.756N	P=0.523N	P=0.490
POLY 1.5	P=0.358	P=0.757N	P=0.514N	P=0.494
POLY 6	P=0.344	P=0.757N	P=0.533N	P=0.481
COCH-ARM / FISHERS	P=0.366	P=0.753N	P=0.500N	P=0.500
MAX-ISO-POLY-3	P=0.276	P=0.493N	P=0.187N	P=0.274

Experiment Number: 20320 - 03  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Tetrabromobisphenol A  
 CAS Number: 79-94-7

Date Report Requested: 01/23/2013  
 Time Report Requested: 15:06:23  
 First Dose M/F: 07/25/07 / 07/26/07  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 mg/kg	250 mg/kg	500 mg/kg	1000 mg/kg
<b>Kidney Inflammation</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	2/50 (4%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	0/42.80	2/43.51	0/38.34	1/41.83
POLY-3 PERCENT (g)	0%	4.6%	0%	2.4%
TERMINAL (d)	0/34 (0%)	2/34 (6%)	0/29 (0%)	1/33 (3%)
FIRST INCIDENCE	---	728 (T)	---	728 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.528	P=0.241	(e)	P=0.495
POLY 1.5	P=0.533	P=0.240	(e)	P=0.497
POLY 6	P=0.520	P=0.239	(e)	P=0.492
COCH-ARM / FISHERS	P=0.539	P=0.247	(e)	P=0.500
MAX-ISO-POLY-3	P=0.326	P=0.079	(e)	P=0.158

Experiment Number: 20320 - 03  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Tetrabromobisphenol A  
 CAS Number: 79-94-7

Date Report Requested: 01/23/2013  
 Time Report Requested: 15:06:23  
 First Dose M/F: 07/25/07 / 07/26/07  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 mg/kg	250 mg/kg	500 mg/kg	1000 mg/kg
<b>Kidney</b>				
<b>Inflammation Chronic</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	1/43.07	0/43.51	0/38.34	0/41.83
POLY-3 PERCENT (g)	2.3%	0%	0%	0%
TERMINAL (d)	0/34 (0%)	0/34 (0%)	0/29 (0%)	0/33 (0%)
FIRST INCIDENCE	655	---	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

Experiment Number: 20320 - 03  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Tetrabromobisphenol A  
CAS Number: 79-94-7

Date Report Requested: 01/23/2013  
Time Report Requested: 15:06:23  
First Dose M/F: 07/25/07 / 07/26/07  
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 mg/kg	250 mg/kg	500 mg/kg	1000 mg/kg
<b>Kidney Nephropathy</b>				
<b>LESION RATES</b>				
OVERALL (a)	9/50 (18%)	15/50 (30%)	13/50 (26%)	9/50 (18%)
POLY-3 RATE (b)	9/43.29	15/46.23	13/41.91	9/43.22
POLY-3 PERCENT (g)	20.8%	32.5%	31%	20.8%
TERMINAL (d)	7/34 (21%)	9/34 (27%)	6/29 (21%)	6/33 (18%)
FIRST INCIDENCE	604	383	321	531
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.411N	P=0.156	P=0.202	P=0.603
POLY 1.5	P=0.403N	P=0.144	P=0.212	P=0.602
POLY 6	P=0.425N	P=0.163	P=0.192	P=0.597
COCH-ARM / FISHERS	P=0.388N	P=0.121	P=0.235	P=0.602N
MAX-ISO-POLY-3	P=0.353	P=0.112	P=0.143	P=0.498

Experiment Number: 20320 - 03  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Tetrabromobisphenol A  
CAS Number: 79-94-7

Date Report Requested: 01/23/2013  
Time Report Requested: 15:06:23  
First Dose M/F: 07/25/07 / 07/26/07  
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 mg/kg	250 mg/kg	500 mg/kg	1000 mg/kg
<b>Kidney Thrombosis</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	2/50 (4%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/42.80	2/44.06	0/38.34	0/41.83
POLY-3 PERCENT (g)	0%	4.5%	0%	0%
TERMINAL (d)	0/34 (0%)	0/34 (0%)	0/29 (0%)	0/33 (0%)
FIRST INCIDENCE	---	583	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.413N	P=0.244	(e)	(e)
POLY 1.5	P=0.409N	P=0.242	(e)	(e)
POLY 6	P=0.420N	P=0.244	(e)	(e)
COCH-ARM / FISHERS	P=0.405N	P=0.247	(e)	(e)
MAX-ISO-POLY-3	P=0.266N	P=0.082	(e)	(e)

Experiment Number: 20320 - 03  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Tetrabromobisphenol A  
 CAS Number: 79-94-7

Date Report Requested: 01/23/2013  
 Time Report Requested: 15:06:23  
 First Dose M/F: 07/25/07 / 07/26/07  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 mg/kg	250 mg/kg	500 mg/kg	1000 mg/kg
<b>Kidney: Pelvis Inflammation</b>				
<b>LESION RATES</b>				
OVERALL (a)	2/50 (4%)	4/50 (8%)	3/50 (6%)	1/50 (2%)
POLY-3 RATE (b)	2/43.60	4/43.54	3/39.20	1/42.44
POLY-3 PERCENT (g)	4.6%	9.2%	7.7%	2.4%
TERMINAL (d)	0/34 (0%)	3/34 (9%)	0/29 (0%)	0/33 (0%)
FIRST INCIDENCE	546	722	607	531
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.309N	P=0.336	P=0.452	P=0.509N
POLY 1.5	P=0.302N	P=0.339	P=0.469	P=0.505N
POLY 6	P=0.321N	P=0.328	P=0.434	P=0.517N
COCH-ARM / FISHERS	P=0.292N	P=0.339	P=0.500	P=0.500N
MAX-ISO-POLY-3	P=0.284N	P=0.200	P=0.291	P=0.291N



Experiment Number: 20320 - 03  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Tetrabromobisphenol A  
CAS Number: 79-94-7

Date Report Requested: 01/23/2013  
Time Report Requested: 15:06:23  
First Dose M/F: 07/25/07 / 07/26/07  
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
TERMINAL SACRIFICE AT 104 WEEKS**

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DOSE	Females			
	0 mg/kg	250 mg/kg	500 mg/kg	1000 mg/kg
<b>Liver</b>				
<b>Angiectasis</b>				
<hr/>				
<b>LESION RATES</b>				
OVERALL (a)	1/50 (2%)	1/50 (2%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	1/42.80	1/43.51	0/38.34	0/41.83
POLY-3 PERCENT (g)	2.3%	2.3%	0%	0%
TERMINAL (d)	1/34 (3%)	1/34 (3%)	0/29 (0%)	0/33 (0%)
FIRST INCIDENCE	728 (T)	728 (T)	---	---
<hr/>				
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

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Experiment Number: 20320 - 03  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Tetrabromobisphenol A  
CAS Number: 79-94-7

Date Report Requested: 01/23/2013  
Time Report Requested: 15:06:23  
First Dose M/F: 07/25/07 / 07/26/07  
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 mg/kg	250 mg/kg	500 mg/kg	1000 mg/kg
<b>Liver</b>				
<b>Basophilic Focus</b>				
<b>LESION RATES</b>				
OVERALL (a)	47/50 (94%)	38/50 (76%)	40/50 (80%)	47/50 (94%)
POLY-3 RATE (b)	47/49.11	38/45.82	40/45.87	47/48.25
POLY-3 PERCENT (g)	95.7%	82.9%	87.2%	97.4%
TERMINAL (d)	33/34 (97%)	29/34 (85%)	26/29 (90%)	32/33 (97%)
FIRST INCIDENCE	364	548	243	442
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.222	P=0.033N*	P=0.111N	P=0.538
POLY 1.5	P=0.222	P=0.018N*	P=0.064N	P=0.565
POLY 6	P=0.236	P=0.068N	P=0.197N	P=0.521
COCH-ARM / FISHERS	P=0.291	P=0.011N*	P=0.036N*	P=0.661N
MAX-ISO-POLY-3	P=0.077	P=0.016N*	P=0.058N	P=0.316

Experiment Number: 20320 - 03  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Tetrabromobisphenol A  
CAS Number: 79-94-7

Date Report Requested: 01/23/2013  
Time Report Requested: 15:06:23  
First Dose M/F: 07/25/07 / 07/26/07  
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 mg/kg	250 mg/kg	500 mg/kg	1000 mg/kg
<b>Liver</b>				
<b>Clear Cell Focus</b>				
<b>LESION RATES</b>				
OVERALL (a)	24/50 (48%)	19/50 (38%)	19/50 (38%)	18/50 (36%)
POLY-3 RATE (b)	24/42.80	19/43.94	19/38.95	18/41.83
POLY-3 PERCENT (g)	56.1%	43.2%	48.8%	43%
TERMINAL (d)	24/34 (71%)	17/34 (50%)	18/29 (62%)	18/33 (55%)
FIRST INCIDENCE	728 (T)	624	533	728 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.192N	P=0.157N	P=0.325N	P=0.155N
POLY 1.5	P=0.180N	P=0.173N	P=0.277N	P=0.153N
POLY 6	P=0.216N	P=0.146N	P=0.389N	P=0.168N
COCH-ARM / FISHERS	P=0.165N	P=0.210N	P=0.210N	P=0.156N
MAX-ISO-POLY-3	P=0.174N	P=0.112N	P=0.257N	P=0.109N

Experiment Number: 20320 - 03  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Tetrabromobisphenol A  
 CAS Number: 79-94-7

Date Report Requested: 01/23/2013  
 Time Report Requested: 15:06:23  
 First Dose M/F: 07/25/07 / 07/26/07  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 mg/kg	250 mg/kg	500 mg/kg	1000 mg/kg
<b>Liver</b>				
<b>Eosinophilic Focus</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/50 (2%)	2/50 (4%)	3/50 (6%)	1/50 (2%)
POLY-3 RATE (b)	1/42.80	2/44.37	3/38.68	1/42.41
POLY-3 PERCENT (g)	2.3%	4.5%	7.8%	2.4%
TERMINAL (d)	1/34 (3%)	0/34 (0%)	2/29 (7%)	0/33 (0%)
FIRST INCIDENCE	728 (T)	548	636	545
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.588N	P=0.513	P=0.269	P=0.759
POLY 1.5	P=0.584N	P=0.509	P=0.282	P=0.760
POLY 6	P=0.596N	P=0.515	P=0.256	P=0.757
COCH-ARM / FISHERS	P=0.577N	P=0.500	P=0.309	P=0.753N
MAX-ISO-POLY-3	P=0.442	P=0.294	P=0.141	P=0.497

Experiment Number: 20320 - 03  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Tetrabromobisphenol A  
CAS Number: 79-94-7

Date Report Requested: 01/23/2013  
Time Report Requested: 15:06:23  
First Dose M/F: 07/25/07 / 07/26/07  
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 mg/kg	250 mg/kg	500 mg/kg	1000 mg/kg
<b>Liver</b>				
<b>Fatty Change</b>				
<b>LESION RATES</b>				
OVERALL (a)	11/50 (22%)	12/50 (24%)	7/50 (14%)	7/50 (14%)
POLY-3 RATE (b)	11/45.29	12/45.14	7/41.23	7/42.23
POLY-3 PERCENT (g)	24.3%	26.6%	17%	16.6%
TERMINAL (d)	4/34 (12%)	5/34 (15%)	2/29 (7%)	6/33 (18%)
FIRST INCIDENCE	545	614	310	615
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.154N	P=0.496	P=0.284N	P=0.266N
POLY 1.5	P=0.136N	P=0.501	P=0.257N	P=0.244N
POLY 6	P=0.184N	P=0.485	P=0.321N	P=0.301N
COCH-ARM / FISHERS	P=0.115N	P=0.500	P=0.218N	P=0.218N
MAX-ISO-POLY-3	P=0.248N	P=0.399	P=0.213N	P=0.195N

Experiment Number: 20320 - 03  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Tetrabromobisphenol A  
CAS Number: 79-94-7

Date Report Requested: 01/23/2013  
Time Report Requested: 15:06:23  
First Dose M/F: 07/25/07 / 07/26/07  
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
TERMINAL SACRIFICE AT 104 WEEKS**

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DOSE	Females			
	0 mg/kg	250 mg/kg	500 mg/kg	1000 mg/kg
<hr/>				
Liver				
Hepatodiaphragmatic Nodule				
<hr/>				
<b>LESION RATES</b>				
OVERALL (a)	1/50 (2%)	0/50 (0%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	1/42.80	0/43.51	1/38.47	0/41.83
POLY-3 PERCENT (g)	2.3%	0%	2.6%	0%
TERMINAL (d)	1/34 (3%)	0/34 (0%)	0/29 (0%)	0/33 (0%)
FIRST INCIDENCE	728 (T)	---	697	---
<hr/>				
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

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Experiment Number: 20320 - 03  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Tetrabromobisphenol A  
 CAS Number: 79-94-7

Date Report Requested: 01/23/2013  
 Time Report Requested: 15:06:23  
 First Dose M/F: 07/25/07 / 07/26/07  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 mg/kg	250 mg/kg	500 mg/kg	1000 mg/kg
<b>Liver</b>				
<b>Mixed Cell Focus</b>				
<b>LESION RATES</b>				
OVERALL (a)	13/50 (26%)	22/50 (44%)	12/50 (24%)	20/50 (40%)
POLY-3 RATE (b)	13/43.37	22/43.57	12/38.34	20/41.83
POLY-3 PERCENT (g)	30%	50.5%	31.3%	47.8%
TERMINAL (d)	12/34 (35%)	21/34 (62%)	12/29 (41%)	20/33 (61%)
FIRST INCIDENCE	548	713	728 (T)	728 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.141	P=0.037*	P=0.544	P=0.066
POLY 1.5	P=0.168	P=0.041*	P=0.590N	P=0.079
POLY 6	P=0.108	P=0.031*	P=0.481	P=0.050*
COCH-ARM / FISHERS	P=0.216	P=0.046*	P=0.500N	P=0.101
MAX-ISO-POLY-3	P=0.067	P=0.023*	P=0.450	P=0.044*

Experiment Number: 20320 - 03  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 mg/kg	250 mg/kg	500 mg/kg	1000 mg/kg
Liver Necrosis				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	1/50 (2%)	4/50 (8%)	2/50 (4%)
POLY-3 RATE (b)	0/42.80	1/43.77	4/40.45	2/42.00
POLY-3 PERCENT (g)	0%	2.3%	9.9%	4.8%
TERMINAL (d)	0/34 (0%)	0/34 (0%)	0/29 (0%)	1/33 (3%)
FIRST INCIDENCE	---	658	321	684
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.153	P=0.505	P=0.053	P=0.233
POLY 1.5	P=0.157	P=0.503	P=0.055	P=0.235
POLY 6	P=0.147	P=0.504	P=0.050*	P=0.229
COCH-ARM / FISHERS	P=0.165	P=0.500	P=0.059	P=0.247
MAX-ISO-POLY-3	P=0.072	P=0.164	P=0.019*	P=0.076



Experiment Number: 20320 - 03  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Tetrabromobisphenol A  
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Date Report Requested: 01/23/2013  
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 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 mg/kg	250 mg/kg	500 mg/kg	1000 mg/kg
<b>Liver: Bile Duct Cyst</b>				
<b>LESION RATES</b>				
OVERALL (a)	2/50 (4%)	0/50 (0%)	3/50 (6%)	1/50 (2%)
POLY-3 RATE (b)	2/42.80	0/43.51	3/39.19	1/41.83
POLY-3 PERCENT (g)	4.7%	0%	7.7%	2.4%
TERMINAL (d)	2/34 (6%)	0/34 (0%)	1/29 (3%)	1/33 (3%)
FIRST INCIDENCE	728 (T)	---	572	728 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.570N	P=0.233N	P=0.460	P=0.508N
POLY 1.5	P=0.565N	P=0.234N	P=0.474	P=0.505N
POLY 6	P=0.577N	P=0.234N	P=0.446	P=0.514N
COCH-ARM / FISHERS	P=0.556N	P=0.247N	P=0.500	P=0.500N
MAX-ISO-POLY-3	P=0.418	P=0.076N	P=0.296	P=0.289N

Experiment Number: 20320 - 03  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Tetrabromobisphenol A  
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Date Report Requested: 01/23/2013  
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Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 mg/kg	250 mg/kg	500 mg/kg	1000 mg/kg
<b>Liver: Bile Duct Hyperplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	11/50 (22%)	29/50 (58%)	21/50 (42%)	20/50 (40%)
POLY-3 RATE (b)	11/43.14	29/47.83	21/41.01	20/43.53
POLY-3 PERCENT (g)	25.5%	60.6%	51.2%	45.9%
TERMINAL (d)	8/34 (24%)	19/34 (56%)	15/29 (52%)	17/33 (52%)
FIRST INCIDENCE	656	355	450	191
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.167	P<0.001**	P=0.011*	P=0.035*
POLY 1.5	P=0.188	P<0.001**	P=0.014*	P=0.038*
POLY 6	P=0.137	P<0.001**	P=0.008**	P=0.030*
COCH-ARM / FISHERS	P=0.211	P<0.001**	P=0.026*	P=0.041*
MAX-ISO-POLY-3	P=0.006**	P<0.001**	P=0.007**	P=0.021*

Experiment Number: 20320 - 03  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
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Date Report Requested: 01/23/2013  
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Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 mg/kg	250 mg/kg	500 mg/kg	1000 mg/kg
<b>Lung Inflammation Chronic</b>				
<b>LESION RATES</b>				
OVERALL (a)	2/50 (4%)	0/50 (0%)	3/50 (6%)	1/50 (2%)
POLY-3 RATE (b)	2/42.81	0/43.51	3/39.84	1/41.83
POLY-3 PERCENT (g)	4.7%	0%	7.5%	2.4%
TERMINAL (d)	1/34 (3%)	0/34 (0%)	0/29 (0%)	1/33 (3%)
FIRST INCIDENCE	725	---	377	728 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.570N	P=0.233N	P=0.467	P=0.508N
POLY 1.5	P=0.565N	P=0.234N	P=0.479	P=0.505N
POLY 6	P=0.577N	P=0.234N	P=0.454	P=0.515N
COCH-ARM / FISHERS	P=0.556N	P=0.247N	P=0.500	P=0.500N
MAX-ISO-POLY-3	P=0.423	P=0.076N	P=0.301	P=0.289N

Experiment Number: 20320 - 03  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Tetrabromobisphenol A  
 CAS Number: 79-94-7

Date Report Requested: 01/23/2013  
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 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 mg/kg	250 mg/kg	500 mg/kg	1000 mg/kg
<b>Lung</b>				
<b>Inflammation Granulomatous</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/50 (2%)	2/50 (4%)	0/50 (0%)	4/50 (8%)
POLY-3 RATE (b)	1/42.80	2/43.54	0/38.34	4/42.20
POLY-3 PERCENT (g)	2.3%	4.6%	0%	9.5%
TERMINAL (d)	1/34 (3%)	1/34 (3%)	0/29 (0%)	3/33 (9%)
FIRST INCIDENCE	728 (T)	722	---	625
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.100	P=0.506	P=0.522N	P=0.174
POLY 1.5	P=0.103	P=0.505	P=0.514N	P=0.176
POLY 6	P=0.097	P=0.504	P=0.531N	P=0.170
COCH-ARM / FISHERS	P=0.108	P=0.500	P=0.500N	P=0.181
MAX-ISO-POLY-3	P=0.077	P=0.287	P=0.185N	P=0.082

Experiment Number: 20320 - 03  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: RATS/Wistar Han

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
TERMINAL SACRIFICE AT 104 WEEKS**

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DOSE	Females			
	0 mg/kg	250 mg/kg	500 mg/kg	1000 mg/kg
<b>Lung</b>				
<b>Metaplasia Osseous</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/42.80	0/43.51	0/38.34	0/41.83
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/34 (0%)	0/34 (0%)	0/29 (0%)	0/33 (0%)
FIRST INCIDENCE	---	---	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

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Experiment Number: 20320 - 03  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 mg/kg	250 mg/kg	500 mg/kg	1000 mg/kg
<b>Lung: Alveolar Epithelium Hyperplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/50 (2%)	2/50 (4%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	1/42.80	2/43.51	1/38.34	0/41.83
POLY-3 PERCENT (g)	2.3%	4.6%	2.6%	0%
TERMINAL (d)	1/34 (3%)	2/34 (6%)	1/29 (3%)	0/33 (0%)
FIRST INCIDENCE	728 (T)	728 (T)	728 (T)	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.258N	P=0.506	P=0.736	P=0.505N
POLY 1.5	P=0.254N	P=0.505	P=0.745	P=0.503N
POLY 6	P=0.265N	P=0.504	P=0.725	P=0.508N
COCH-ARM / FISHERS	P=0.247N	P=0.500	P=0.753N	P=0.500N
MAX-ISO-POLY-3	P=0.242N	P=0.287	P=0.469	P=0.164N

Experiment Number: 20320 - 03  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
TERMINAL SACRIFICE AT 104 WEEKS**

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DOSE	Females			
	0 mg/kg	250 mg/kg	500 mg/kg	1000 mg/kg
<b>Lung: Bronchiole Hyperplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/50 (2%)	1/50 (2%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	1/43.67	1/43.51	0/38.34	1/41.83
POLY-3 PERCENT (g)	2.3%	2.3%	0%	2.4%
TERMINAL (d)	0/34 (0%)	1/34 (3%)	0/29 (0%)	1/33 (3%)
FIRST INCIDENCE	364	728 (T)	---	728 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

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Experiment Number: 20320 - 03  
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Route: GAVAGE  
Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
TERMINAL SACRIFICE AT 104 WEEKS**

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DOSE	Females			
	0 mg/kg	250 mg/kg	500 mg/kg	1000 mg/kg
<b>Lymph Node, Mesenteric Ectasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/42.80	0/43.51	0/38.34	0/41.83
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/34 (0%)	0/34 (0%)	0/29 (0%)	0/33 (0%)
FIRST INCIDENCE	---	---	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

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Experiment Number: 20320 - 03  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: RATS/Wistar Han

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CAS Number: 79-94-7

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First Dose M/F: 07/25/07 / 07/26/07  
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 mg/kg	250 mg/kg	500 mg/kg	1000 mg/kg
<b>Mammary Gland Galactocele</b>				
<b>LESION RATES</b>				
OVERALL (a)	3/50 (6%)	1/50 (2%)	2/50 (4%)	2/50 (4%)
POLY-3 RATE (b)	3/43.39	1/43.79	2/38.66	2/41.83
POLY-3 PERCENT (g)	6.9%	2.3%	5.2%	4.8%
TERMINAL (d)	1/34 (3%)	0/34 (0%)	1/29 (3%)	2/33 (6%)
FIRST INCIDENCE	545	652	642	728 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.521N	P=0.302N	P=0.552N	P=0.517N
POLY 1.5	P=0.513N	P=0.302N	P=0.533N	P=0.509N
POLY 6	P=0.531N	P=0.304N	P=0.573N	P=0.528N
COCH-ARM / FISHERS	P=0.500N	P=0.309N	P=0.500N	P=0.500N
MAX-ISO-POLY-3	P=0.432N	P=0.152N	P=0.377N	P=0.341N

Experiment Number: 20320 - 03  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: RATS/Wistar Han

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First Dose M/F: 07/25/07 / 07/26/07  
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 mg/kg	250 mg/kg	500 mg/kg	1000 mg/kg
<b>Mammary Gland Hyperplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/50 (2%)	2/50 (4%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	1/43.02	2/43.51	0/38.34	0/41.83
POLY-3 PERCENT (g)	2.3%	4.6%	0%	0%
TERMINAL (d)	0/34 (0%)	2/34 (6%)	0/29 (0%)	0/33 (0%)
FIRST INCIDENCE	668	728 (T)	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.197N	P=0.504	P=0.523N	P=0.506N
POLY 1.5	P=0.193N	P=0.504	P=0.514N	P=0.503N
POLY 6	P=0.203N	P=0.500	P=0.533N	P=0.510N
COCH-ARM / FISHERS	P=0.188N	P=0.500	P=0.500N	P=0.500N
MAX-ISO-POLY-3	P=0.185N	P=0.285	P=0.186N	P=0.165N

Experiment Number: 20320 - 03  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: RATS/Wistar Han

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Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 mg/kg	250 mg/kg	500 mg/kg	1000 mg/kg
<b>Mesentery: Fat Necrosis</b>				
<b>LESION RATES</b>				
OVERALL (a)	2/2 (100%)	3/8 (38%)	2/5 (40%)	2/4 (50%)
POLY-3 RATE (b)	2/2.00	3/5.79	2/3.65	2/3.18
POLY-3 PERCENT (g)	100%	51.8%	54.8%	62.8%
TERMINAL (d)	1/1 (100%)	3/3 (100%)	2/2 (100%)	1/1 (100%)
FIRST INCIDENCE	364	728 (T)	728 (T)	501
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.456N	P=0.317N	P=0.428N	P=0.544N
POLY 1.5	P=0.466N	P=0.252N	P=0.359N	P=0.454N
POLY 6	P=0.471N	P=0.499N	P=0.524N	P=0.779N
COCH-ARM / FISHERS	P=0.485N	P=0.222N	P=0.286N	P=0.400N
MAX-ISO-POLY-3	P=0.210N	P=0.087N	P=0.118N	P=0.138N

Experiment Number: 20320 - 03  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Tetrabromobisphenol A  
CAS Number: 79-94-7

Date Report Requested: 01/23/2013  
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First Dose M/F: 07/25/07 / 07/26/07  
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 mg/kg	250 mg/kg	500 mg/kg	1000 mg/kg
<b>Nose Inflammation</b>				
<b>LESION RATES</b>				
OVERALL (a)	11/50 (22%)	8/50 (16%)	7/50 (14%)	9/50 (18%)
POLY-3 RATE (b)	11/45.31	8/44.63	7/39.27	9/44.50
POLY-3 PERCENT (g)	24.3%	17.9%	17.8%	20.2%
TERMINAL (d)	5/34 (15%)	6/34 (18%)	5/29 (17%)	5/33 (15%)
FIRST INCIDENCE	364	383	531	191
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.415N	P=0.316N	P=0.325N	P=0.418N
POLY 1.5	P=0.403N	P=0.308N	P=0.283N	P=0.407N
POLY 6	P=0.434N	P=0.335N	P=0.374N	P=0.440N
COCH-ARM / FISHERS	P=0.389N	P=0.306N	P=0.218N	P=0.402N
MAX-ISO-POLY-3	P=0.408N	P=0.233N	P=0.251N	P=0.324N

Experiment Number: 20320 - 03  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Tetrabromobisphenol A  
CAS Number: 79-94-7

Date Report Requested: 01/23/2013  
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First Dose M/F: 07/25/07 / 07/26/07  
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
TERMINAL SACRIFICE AT 104 WEEKS**

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DOSE	Females			
	0 mg/kg	250 mg/kg	500 mg/kg	1000 mg/kg
<b>Nose: Olfactory Epithelium Degeneration</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/42.80	0/43.51	0/38.34	0/41.83
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/34 (0%)	0/34 (0%)	0/29 (0%)	0/33 (0%)
FIRST INCIDENCE	---	---	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

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Experiment Number: 20320 - 03  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Tetrabromobisphenol A  
CAS Number: 79-94-7

Date Report Requested: 01/23/2013  
Time Report Requested: 15:06:23  
First Dose M/F: 07/25/07 / 07/26/07  
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 mg/kg	250 mg/kg	500 mg/kg	1000 mg/kg
Ovary Cyst				
<b>LESION RATES</b>				
OVERALL (a)	2/50 (4%)	4/49 (8%)	4/50 (8%)	6/49 (12%)
POLY-3 RATE (b)	2/42.80	4/43.19	4/38.34	6/40.99
POLY-3 PERCENT (g)	4.7%	9.3%	10.4%	14.6%
TERMINAL (d)	1/34 (3%)	3/34 (9%)	4/29 (14%)	6/33 (18%)
FIRST INCIDENCE	726	713	728 (T)	728 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.090	P=0.341	P=0.287	P=0.118
POLY 1.5	P=0.096	P=0.337	P=0.305	P=0.122
POLY 6	P=0.083	P=0.341	P=0.267	P=0.112
COCH-ARM / FISHERS	P=0.104	P=0.329	P=0.339	P=0.128
MAX-ISO-POLY-3	P=0.099	P=0.206	P=0.175	P=0.062

Experiment Number: 20320 - 03  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Tetrabromobisphenol A  
CAS Number: 79-94-7

Date Report Requested: 01/23/2013  
Time Report Requested: 15:06:23  
First Dose M/F: 07/25/07 / 07/26/07  
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
TERMINAL SACRIFICE AT 104 WEEKS**

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DOSE	Females			
	0 mg/kg	250 mg/kg	500 mg/kg	1000 mg/kg
<b>Ovary: Bursa Dilatation</b>				
<b>LESION RATES</b>				
OVERALL (a)	4/50 (8%)	2/49 (4%)	5/50 (10%)	8/49 (16%)
POLY-3 RATE (b)	4/44.25	2/44.27	5/39.28	8/42.01
POLY-3 PERCENT (g)	9%	4.5%	12.7%	19%
TERMINAL (d)	2/34 (6%)	0/34 (0%)	3/29 (10%)	6/33 (18%)
FIRST INCIDENCE	364	383	529	501
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.042*	P=0.337N	P=0.426	P=0.151
POLY 1.5	P=0.045*	P=0.339N	P=0.451	P=0.157
POLY 6	P=0.038*	P=0.337N	P=0.400	P=0.143
COCH-ARM / FISHERS	P=0.053	P=0.349N	P=0.500	P=0.168
MAX-ISO-POLY-3	P=0.056	P=0.201N	P=0.305	P=0.094

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Experiment Number: 20320 - 03  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Tetrabromobisphenol A  
 CAS Number: 79-94-7

Date Report Requested: 01/23/2013  
 Time Report Requested: 15:06:23  
 First Dose M/F: 07/25/07 / 07/26/07  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 mg/kg	250 mg/kg	500 mg/kg	1000 mg/kg
<b>Ovary: Rete Ovarii Cyst</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/50 (2%)	0/49 (0%)	6/50 (12%)	6/49 (12%)
POLY-3 RATE (b)	1/42.80	0/43.13	6/39.56	6/41.57
POLY-3 PERCENT (g)	2.3%	0%	15.2%	14.4%
TERMINAL (d)	1/34 (3%)	0/34 (0%)	4/29 (14%)	5/33 (15%)
FIRST INCIDENCE	728 (T)	---	488	545
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.006**	P=0.498N	P=0.043*	P=0.050*
POLY 1.5	P=0.006**	P=0.500N	P=0.048*	P=0.051
POLY 6	P=0.006**	P=0.498N	P=0.039*	P=0.048*
COCH-ARM / FISHERS	P=0.008**	P=0.505N	P=0.056	P=0.053
MAX-ISO-POLY-3	P=0.009**	P=0.160N	P=0.021*	P=0.022*



Experiment Number: 20320 - 03  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Tetrabromobisphenol A  
CAS Number: 79-94-7

Date Report Requested: 01/23/2013  
Time Report Requested: 15:06:23  
First Dose M/F: 07/25/07 / 07/26/07  
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
TERMINAL SACRIFICE AT 104 WEEKS**

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DOSE	Females			
	0 mg/kg	250 mg/kg	500 mg/kg	1000 mg/kg
<b>Pancreas</b>				
<b>Atrophy</b>				
<hr/>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/42.80	0/43.51	0/38.34	0/41.83
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/34 (0%)	0/34 (0%)	0/29 (0%)	0/33 (0%)
FIRST INCIDENCE	---	---	---	---
<hr/>				
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

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Experiment Number: 20320 - 03  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Tetrabromobisphenol A  
 CAS Number: 79-94-7

Date Report Requested: 01/23/2013  
 Time Report Requested: 15:06:23  
 First Dose M/F: 07/25/07 / 07/26/07  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 mg/kg	250 mg/kg	500 mg/kg	1000 mg/kg
<b>Pancreas: Acinus Atrophy</b>				
<b>LESION RATES</b>				
OVERALL (a)	4/50 (8%)	4/50 (8%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	4/42.80	4/43.65	1/38.34	0/41.83
POLY-3 PERCENT (g)	9.4%	9.2%	2.6%	0%
TERMINAL (d)	4/34 (12%)	3/34 (9%)	1/29 (3%)	0/33 (0%)
FIRST INCIDENCE	728 (T)	693	728 (T)	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.023N*	P=0.633N	P=0.213N	P=0.063N
POLY 1.5	P=0.022N*	P=0.635N	P=0.200N	P=0.062N
POLY 6	P=0.025N*	P=0.635N	P=0.229N	P=0.065N
COCH-ARM / FISHERS	P=0.022N*	P=0.643N	P=0.181N	P=0.059N
MAX-ISO-POLY-3	P=0.035N*	P=0.488N	P=0.116N	P=0.021N*

Experiment Number: 20320 - 03  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Tetrabromobisphenol A  
 CAS Number: 79-94-7

Date Report Requested: 01/23/2013  
 Time Report Requested: 15:06:23  
 First Dose M/F: 07/25/07 / 07/26/07  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 mg/kg	250 mg/kg	500 mg/kg	1000 mg/kg
<b>Pancreas: Duct Cyst</b>				
<b>LESION RATES</b>				
OVERALL (a)	2/50 (4%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	2/42.80	0/43.51	0/38.34	0/41.83
POLY-3 PERCENT (g)	4.7%	0%	0%	0%
TERMINAL (d)	2/34 (6%)	0/34 (0%)	0/29 (0%)	0/33 (0%)
FIRST INCIDENCE	728 (T)	---	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.118N	P=0.233N	P=0.262N	P=0.242N
POLY 1.5	P=0.117N	P=0.234N	P=0.253N	P=0.240N
POLY 6	P=0.119N	P=0.234N	P=0.273N	P=0.246N
COCH-ARM / FISHERS	P=0.115N	P=0.247N	P=0.247N	P=0.247N
MAX-ISO-POLY-3	P=0.036N*	P=0.076N	P=0.100N	P=0.081N

Experiment Number: 20320 - 03  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Tetrabromobisphenol A  
 CAS Number: 79-94-7

Date Report Requested: 01/23/2013  
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 First Dose M/F: 07/25/07 / 07/26/07  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 mg/kg	250 mg/kg	500 mg/kg	1000 mg/kg
<b>Parathyroid Gland Hyperplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/48 (0%)	0/39 (0%)	0/48 (0%)	0/49 (0%)
POLY-3 RATE (b)	0/40.80	0/33.85	0/36.34	0/40.83
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/32 (0%)	0/27 (0%)	0/27 (0%)	0/32 (0%)
FIRST INCIDENCE	---	---	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

Experiment Number: 20320 - 03  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Tetrabromobisphenol A  
CAS Number: 79-94-7

Date Report Requested: 01/23/2013  
Time Report Requested: 15:06:23  
First Dose M/F: 07/25/07 / 07/26/07  
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
TERMINAL SACRIFICE AT 104 WEEKS**

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DOSE	Females			
	0 mg/kg	250 mg/kg	500 mg/kg	1000 mg/kg
<b>Pituitary Gland Cyst</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/50 (2%)	1/50 (2%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	1/42.80	1/44.00	1/38.34	0/41.83
POLY-3 PERCENT (g)	2.3%	2.3%	2.6%	0%
TERMINAL (d)	1/34 (3%)	0/34 (0%)	1/29 (3%)	0/33 (0%)
FIRST INCIDENCE	728 (T)	583	728 (T)	---
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

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Experiment Number: 20320 - 03  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Tetrabromobisphenol A  
CAS Number: 79-94-7

Date Report Requested: 01/23/2013  
Time Report Requested: 15:06:23  
First Dose M/F: 07/25/07 / 07/26/07  
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
TERMINAL SACRIFICE AT 104 WEEKS**

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DOSE	Females			
	0 mg/kg	250 mg/kg	500 mg/kg	1000 mg/kg

---

Pituitary Gland: Pars Distalis  
Hyperplasia

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**LESION RATES**

OVERALL (a)	16/50 (32%)	13/50 (26%)	14/50 (28%)	19/50 (38%)
POLY-3 RATE (b)	16/44.53	13/44.68	14/40.48	19/43.35
POLY-3 PERCENT (g)	35.9%	29.1%	34.6%	43.8%
TERMINAL (d)	12/34 (35%)	9/34 (27%)	11/29 (38%)	14/33 (42%)
FIRST INCIDENCE	364	583	321	607

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**STATISTICAL TESTS**

POLY 3	P=0.169	P=0.321N	P=0.539N	P=0.293
POLY 1.5	P=0.185	P=0.323N	P=0.491N	P=0.307
POLY 6	P=0.156	P=0.322N	P=0.588	P=0.281
COCH-ARM / FISHERS	P=0.219	P=0.330N	P=0.414N	P=0.338
MAX-ISO-POLY-3	P=0.213	P=0.245N	P=0.449N	P=0.226

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Experiment Number: 20320 - 03  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: RATS/Wistar Han

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

Tetrabromobisphenol A

CAS Number: 79-94-7

Date Report Requested: 01/23/2013

Time Report Requested: 15:06:23

First Dose M/F: 07/25/07 / 07/26/07

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
TERMINAL SACRIFICE AT 104 WEEKS**

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DOSE	Females			
	0 mg/kg	250 mg/kg	500 mg/kg	1000 mg/kg

---

Pituitary Gland: Pars Intermedia  
Hyperplasia

---

**LESION RATES**

OVERALL (a)	2/50 (4%)	3/50 (6%)	2/50 (4%)	1/50 (2%)
POLY-3 RATE (b)	2/42.80	3/43.54	2/38.96	1/42.61
POLY-3 PERCENT (g)	4.7%	6.9%	5.1%	2.4%
TERMINAL (d)	2/34 (6%)	2/34 (6%)	1/29 (3%)	0/33 (0%)
FIRST INCIDENCE	728 (T)	722	531	442

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**STATISTICAL TESTS**

POLY 3	P=0.321N	P=0.508	P=0.660	P=0.502N
POLY 1.5	P=0.318N	P=0.506	P=0.672	P=0.500N
POLY 6	P=0.327N	P=0.506	P=0.646	P=0.506N
COCH-ARM / FISHERS	P=0.313N	P=0.500	P=0.691N	P=0.500N
MAX-ISO-POLY-3	P=0.367N	P=0.332	P=0.463	P=0.282N

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Experiment Number: 20320 - 03  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Tetrabromobisphenol A  
CAS Number: 79-94-7

Date Report Requested: 01/23/2013  
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First Dose M/F: 07/25/07 / 07/26/07  
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 mg/kg	250 mg/kg	500 mg/kg	1000 mg/kg
Skin Ulcer				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	0/42.80	0/43.51	1/38.34	0/41.83
POLY-3 PERCENT (g)	0%	0%	2.6%	0%
TERMINAL (d)	0/34 (0%)	0/34 (0%)	1/29 (3%)	0/33 (0%)
FIRST INCIDENCE	---	---	728 (T)	---
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)



Experiment Number: 20320 - 03  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Tetrabromobisphenol A  
 CAS Number: 79-94-7

Date Report Requested: 01/23/2013  
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 First Dose M/F: 07/25/07 / 07/26/07  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 mg/kg	250 mg/kg	500 mg/kg	1000 mg/kg
<b>Spleen</b>				
<b>Hematopoietic Cell Proliferation</b>				
<b>LESION RATES</b>				
OVERALL (a)	26/50 (52%)	30/50 (60%)	26/50 (52%)	26/50 (52%)
POLY-3 RATE (b)	26/44.02	30/45.71	26/45.31	26/47.67
POLY-3 PERCENT (g)	59.1%	65.6%	57.4%	54.5%
TERMINAL (d)	22/34 (65%)	24/34 (71%)	13/29 (45%)	13/33 (39%)
FIRST INCIDENCE	545	383	243	191
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.254N	P=0.331	P=0.522N	P=0.410N
POLY 1.5	P=0.314N	P=0.314	P=0.537N	P=0.472N
POLY 6	P=0.191N	P=0.335	P=0.507N	P=0.345N
COCH-ARM / FISHERS	P=0.424N	P=0.273	P=0.579N	P=0.579N
MAX-ISO-POLY-3	P=0.365N	P=0.258	P=0.434N	P=0.335N

Experiment Number: 20320 - 03  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Tetrabromobisphenol A  
CAS Number: 79-94-7

Date Report Requested: 01/23/2013  
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First Dose M/F: 07/25/07 / 07/26/07  
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
TERMINAL SACRIFICE AT 104 WEEKS**

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DOSE	Females			
	0 mg/kg	250 mg/kg	500 mg/kg	1000 mg/kg

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Spleen: Lymphoid Follicle Atrophy

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LESION RATES				
OVERALL (a)	3/50 (6%)	2/50 (4%)	2/50 (4%)	1/50 (2%)
POLY-3 RATE (b)	3/43.49	2/44.33	2/40.03	1/42.26
POLY-3 PERCENT (g)	6.9%	4.5%	5%	2.4%
TERMINAL (d)	0/34 (0%)	0/34 (0%)	0/29 (0%)	0/33 (0%)
FIRST INCIDENCE	604	583	310	603

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STATISTICAL TESTS				
POLY 3	P=0.247N	P=0.491N	P=0.538N	P=0.315N
POLY 1.5	P=0.242N	P=0.493N	P=0.522N	P=0.311N
POLY 6	P=0.256N	P=0.493N	P=0.559N	P=0.324N
COCH-ARM / FISHERS	P=0.232N	P=0.500N	P=0.500N	P=0.309N
MAX-ISO-POLY-3	P=0.265N	P=0.317N	P=0.363N	P=0.164N

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Experiment Number: 20320 - 03  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Tetrabromobisphenol A  
 CAS Number: 79-94-7

Date Report Requested: 01/23/2013  
 Time Report Requested: 15:06:23  
 First Dose M/F: 07/25/07 / 07/26/07  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 mg/kg	250 mg/kg	500 mg/kg	1000 mg/kg
<b>Stomach, Forestomach Inflammation Chronic</b>				
<b>LESION RATES</b>				
OVERALL (a)	2/50 (4%)	1/50 (2%)	2/50 (4%)	2/50 (4%)
POLY-3 RATE (b)	2/43.60	1/43.51	2/39.69	2/42.44
POLY-3 PERCENT (g)	4.6%	2.3%	5%	4.7%
TERMINAL (d)	0/34 (0%)	1/34 (3%)	0/29 (0%)	1/33 (3%)
FIRST INCIDENCE	546	728 (T)	310	531
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.512	P=0.501N	P=0.660	P=0.684
POLY 1.5	P=0.517	P=0.499N	P=0.673	P=0.689
POLY 6	P=0.504	P=0.507N	P=0.643	P=0.676
COCH-ARM / FISHERS	P=0.526	P=0.500N	P=0.691N	P=0.691N
MAX-ISO-POLY-3	P=0.584	P=0.281N	P=0.463	P=0.488

Experiment Number: 20320 - 03  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Tetrabromobisphenol A  
 CAS Number: 79-94-7

Date Report Requested: 01/23/2013  
 Time Report Requested: 15:06:23  
 First Dose M/F: 07/25/07 / 07/26/07  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 mg/kg	250 mg/kg	500 mg/kg	1000 mg/kg
<b>Stomach, Forestomach Ulcer</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/50 (2%)	0/50 (0%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	1/42.80	0/43.51	1/38.95	0/41.83
POLY-3 PERCENT (g)	2.3%	0%	2.6%	0%
TERMINAL (d)	1/34 (3%)	0/34 (0%)	0/29 (0%)	0/33 (0%)
FIRST INCIDENCE	728 (T)	---	533	---
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

Experiment Number: 20320 - 03  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Tetrabromobisphenol A  
CAS Number: 79-94-7

Date Report Requested: 01/23/2013  
Time Report Requested: 15:06:23  
First Dose M/F: 07/25/07 / 07/26/07  
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 mg/kg	250 mg/kg	500 mg/kg	1000 mg/kg
<b>Stomach, Glandular Inflammation Chronic</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/50 (2%)	2/50 (4%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	1/42.80	2/43.51	0/38.34	0/41.83
POLY-3 PERCENT (g)	2.3%	4.6%	0%	0%
TERMINAL (d)	1/34 (3%)	2/34 (6%)	0/29 (0%)	0/33 (0%)
FIRST INCIDENCE	728 (T)	728 (T)	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.196N	P=0.506	P=0.522N	P=0.505N
POLY 1.5	P=0.193N	P=0.505	P=0.514N	P=0.503N
POLY 6	P=0.201N	P=0.504	P=0.531N	P=0.508N
COCH-ARM / FISHERS	P=0.188N	P=0.500	P=0.500N	P=0.500N
MAX-ISO-POLY-3	P=0.184N	P=0.287	P=0.185N	P=0.164N

Experiment Number: 20320 - 03  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Tetrabromobisphenol A  
 CAS Number: 79-94-7

Date Report Requested: 01/23/2013  
 Time Report Requested: 15:06:23  
 First Dose M/F: 07/25/07 / 07/26/07  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 mg/kg	250 mg/kg	500 mg/kg	1000 mg/kg
<b>Stomach, Glandular Mineralization</b>				
<b>LESION RATES</b>				
OVERALL (a)	6/50 (12%)	1/50 (2%)	1/50 (2%)	2/50 (4%)
POLY-3 RATE (b)	6/43.29	1/43.51	1/38.68	2/41.83
POLY-3 PERCENT (g)	13.9%	2.3%	2.6%	4.8%
TERMINAL (d)	4/34 (12%)	1/34 (3%)	0/29 (0%)	2/33 (6%)
FIRST INCIDENCE	604	728 (T)	636	728 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.120N	P=0.054N	P=0.075N	P=0.143N
POLY 1.5	P=0.117N	P=0.054N	P=0.068N	P=0.139N
POLY 6	P=0.124N	P=0.056N	P=0.085N	P=0.151N
COCH-ARM / FISHERS	P=0.114N	P=0.056N	P=0.056N	P=0.134N
MAX-ISO-POLY-3	P=0.029N*	P=0.023N*	P=0.040N*	P=0.078N

Experiment Number: 20320 - 03  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Tetrabromobisphenol A  
 CAS Number: 79-94-7

Date Report Requested: 01/23/2013  
 Time Report Requested: 15:06:23  
 First Dose M/F: 07/25/07 / 07/26/07  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 mg/kg	250 mg/kg	500 mg/kg	1000 mg/kg
<b>Stomach, Glandular Ulcer</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	1/50 (2%)	2/50 (4%)	0/50 (0%)
POLY-3 RATE (b)	0/42.80	1/43.51	2/39.08	0/41.83
POLY-3 PERCENT (g)	0%	2.3%	5.1%	0%
TERMINAL (d)	0/34 (0%)	1/34 (3%)	0/29 (0%)	0/33 (0%)
FIRST INCIDENCE	---	728 (T)	607	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.626N	P=0.503	P=0.217	(e)
POLY 1.5	P=0.622N	P=0.503	P=0.224	(e)
POLY 6	P=0.633N	P=0.502	P=0.211	(e)
COCH-ARM / FISHERS	P=0.616N	P=0.500	P=0.247	(e)
MAX-ISO-POLY-3	P=0.318	P=0.163	P=0.075	(e)

Experiment Number: 20320 - 03  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Tetrabromobisphenol A  
 CAS Number: 79-94-7

Date Report Requested: 01/23/2013  
 Time Report Requested: 15:06:23  
 First Dose M/F: 07/25/07 / 07/26/07  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 mg/kg	250 mg/kg	500 mg/kg	1000 mg/kg
<b>Thymus Atrophy</b>				
<b>LESION RATES</b>				
OVERALL (a)	43/50 (86%)	43/50 (86%)	40/49 (82%)	45/50 (90%)
POLY-3 RATE (b)	43/47.97	43/48.72	40/48.21	45/49.23
POLY-3 PERCENT (g)	89.7%	88.3%	83%	91.4%
TERMINAL (d)	31/34 (91%)	30/34 (88%)	22/29 (76%)	29/33 (88%)
FIRST INCIDENCE	364	355	243	191
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.456	P=0.545N	P=0.251N	P=0.521
POLY 1.5	P=0.412	P=0.572N	P=0.291N	P=0.465
POLY 6	P=0.504	P=0.521N	P=0.220N	P=0.579
COCH-ARM / FISHERS	P=0.342	P=0.613N	P=0.376N	P=0.380
MAX-ISO-POLY-3	P=0.400	P=0.410N	P=0.167N	P=0.380



Experiment Number: 20320 - 03  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Tetrabromobisphenol A  
 CAS Number: 79-94-7

Date Report Requested: 01/23/2013  
 Time Report Requested: 15:06:23  
 First Dose M/F: 07/25/07 / 07/26/07  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 mg/kg	250 mg/kg	500 mg/kg	1000 mg/kg
<b>Thymus Hyperplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/50 (2%)	2/50 (4%)	0/49 (0%)	0/50 (0%)
POLY-3 RATE (b)	1/42.80	2/43.51	0/37.66	0/41.83
POLY-3 PERCENT (g)	2.3%	4.6%	0%	0%
TERMINAL (d)	0/34 (0%)	2/34 (6%)	0/29 (0%)	0/33 (0%)
FIRST INCIDENCE	726	728 (T)	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.197N	P=0.506	P=0.525N	P=0.505N
POLY 1.5	P=0.194N	P=0.505	P=0.518N	P=0.503N
POLY 6	P=0.202N	P=0.504	P=0.534N	P=0.508N
COCH-ARM / FISHERS	P=0.189N	P=0.500	P=0.505N	P=0.500N
MAX-ISO-POLY-3	P=0.185N	P=0.287	P=0.188N	P=0.164N

Experiment Number: 20320 - 03  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Tetrabromobisphenol A  
CAS Number: 79-94-7

Date Report Requested: 01/23/2013  
Time Report Requested: 15:06:23  
First Dose M/F: 07/25/07 / 07/26/07  
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 mg/kg	250 mg/kg	500 mg/kg	1000 mg/kg
<b>Thyroid Gland: C-Cell Hyperplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	32/50 (64%)	37/48 (77%)	39/50 (78%)	36/50 (72%)
POLY-3 RATE (b)	32/45.33	37/45.89	39/44.95	36/44.51
POLY-3 PERCENT (g)	70.6%	80.6%	86.8%	80.9%
TERMINAL (d)	26/34 (77%)	26/34 (77%)	26/29 (90%)	29/33 (88%)
FIRST INCIDENCE	364	492	310	531
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.147	P=0.184	P=0.040*	P=0.172
POLY 1.5	P=0.192	P=0.146	P=0.051	P=0.197
POLY 6	P=0.107	P=0.247	P=0.037*	P=0.149
COCH-ARM / FISHERS	P=0.299	P=0.115	P=0.093	P=0.260
MAX-ISO-POLY-3	P=0.080	P=0.128	P=0.022*	P=0.115

Experiment Number: 20320 - 03  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Tetrabromobisphenol A  
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Date Report Requested: 01/23/2013  
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 First Dose M/F: 07/25/07 / 07/26/07  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 mg/kg	250 mg/kg	500 mg/kg	1000 mg/kg
<b>Thyroid Gland: Follicle Hyperplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	2/50 (4%)	4/48 (8%)	3/50 (6%)	1/50 (2%)
POLY-3 RATE (b)	2/43.04	4/42.59	3/38.34	1/41.83
POLY-3 PERCENT (g)	4.7%	9.4%	7.8%	2.4%
TERMINAL (d)	1/34 (3%)	3/34 (9%)	3/29 (10%)	1/33 (3%)
FIRST INCIDENCE	662	713	728 (T)	728 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.308N	P=0.332	P=0.447	P=0.510N
POLY 1.5	P=0.299N	P=0.328	P=0.467	P=0.506N
POLY 6	P=0.322N	P=0.332	P=0.424	P=0.518N
COCH-ARM / FISHERS	P=0.287N	P=0.319	P=0.500	P=0.500N
MAX-ISO-POLY-3	P=0.283N	P=0.197	P=0.288	P=0.291N

Experiment Number: 20320 - 03  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Tetrabromobisphenol A  
 CAS Number: 79-94-7

Date Report Requested: 01/23/2013  
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 First Dose M/F: 07/25/07 / 07/26/07  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 mg/kg	250 mg/kg	500 mg/kg	1000 mg/kg
<b>Trachea Inflammation</b>				
<b>LESION RATES</b>				
OVERALL (a)	2/50 (4%)	0/49 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	2/43.67	0/42.91	0/38.34	0/41.83
POLY-3 PERCENT (g)	4.6%	0%	0%	0%
TERMINAL (d)	1/34 (3%)	0/34 (0%)	0/29 (0%)	0/33 (0%)
FIRST INCIDENCE	364	---	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.117N	P=0.241N	P=0.267N	P=0.247N
POLY 1.5	P=0.116N	P=0.241N	P=0.256N	P=0.243N
POLY 6	P=0.118N	P=0.242N	P=0.279N	P=0.252N
COCH-ARM / FISHERS	P=0.115N	P=0.253N	P=0.247N	P=0.247N
MAX-ISO-POLY-3	P=0.041N*	P=0.078N	P=0.104N	P=0.085N

Experiment Number: 20320 - 03  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Tetrabromobisphenol A  
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 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 mg/kg	250 mg/kg	500 mg/kg	1000 mg/kg
<b>Uterus</b>				
<b>Adenomyosis</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	2/50 (4%)
POLY-3 RATE (b)	0/42.80	0/43.51	0/38.34	2/42.00
POLY-3 PERCENT (g)	0%	0%	0%	4.8%
TERMINAL (d)	0/34 (0%)	0/34 (0%)	0/29 (0%)	1/33 (3%)
FIRST INCIDENCE	---	---	---	684
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.043*	(e)	(e)	P=0.233
POLY 1.5	P=0.044*	(e)	(e)	P=0.235
POLY 6	P=0.043*	(e)	(e)	P=0.229
COCH-ARM / FISHERS	P=0.046*	(e)	(e)	P=0.247
MAX-ISO-POLY-3	P=0.032*	(e)	(e)	P=0.076

Experiment Number: 20320 - 03  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Tetrabromobisphenol A  
 CAS Number: 79-94-7

Date Report Requested: 01/23/2013  
 Time Report Requested: 15:06:23  
 First Dose M/F: 07/25/07 / 07/26/07  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 mg/kg	250 mg/kg	500 mg/kg	1000 mg/kg
<b>Uterus Dilatation</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/50 (2%)	4/50 (8%)	3/50 (6%)	2/50 (4%)
POLY-3 RATE (b)	1/42.80	4/44.06	3/40.14	2/42.51
POLY-3 PERCENT (g)	2.3%	9.1%	7.5%	4.7%
TERMINAL (d)	1/34 (3%)	2/34 (6%)	0/29 (0%)	1/33 (3%)
FIRST INCIDENCE	728 (T)	583	450	501
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.535	P=0.187	P=0.282	P=0.498
POLY 1.5	P=0.539	P=0.185	P=0.290	P=0.499
POLY 6	P=0.526	P=0.188	P=0.274	P=0.494
COCH-ARM / FISHERS	P=0.544	P=0.181	P=0.309	P=0.500
MAX-ISO-POLY-3	P=0.283	P=0.092	P=0.145	P=0.279

Experiment Number: 20320 - 03  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Tetrabromobisphenol A  
 CAS Number: 79-94-7

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 First Dose M/F: 07/25/07 / 07/26/07  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 mg/kg	250 mg/kg	500 mg/kg	1000 mg/kg
<b>Uterus Inflammation</b>				
<b>LESION RATES</b>				
OVERALL (a)	7/50 (14%)	3/50 (6%)	2/50 (4%)	3/50 (6%)
POLY-3 RATE (b)	7/42.87	3/44.08	2/38.34	3/42.76
POLY-3 PERCENT (g)	16.3%	6.8%	5.2%	7%
TERMINAL (d)	5/34 (15%)	2/34 (6%)	2/29 (7%)	1/33 (3%)
FIRST INCIDENCE	713	548	728 (T)	442
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.136N	P=0.145N	P=0.107N	P=0.157N
POLY 1.5	P=0.133N	P=0.149N	P=0.096N	P=0.157N
POLY 6	P=0.141N	P=0.144N	P=0.121N	P=0.160N
COCH-ARM / FISHERS	P=0.128N	P=0.159N	P=0.080N	P=0.159N
MAX-ISO-POLY-3	P=0.074N	P=0.084N	P=0.064N	P=0.090N

Experiment Number: 20320 - 03  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Tetrabromobisphenol A  
CAS Number: 79-94-7

Date Report Requested: 01/23/2013  
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First Dose M/F: 07/25/07 / 07/26/07  
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 mg/kg	250 mg/kg	500 mg/kg	1000 mg/kg
<b>Uterus: Cervix Hyperplasia Stromal</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	1/50 (2%)	4/50 (8%)	2/50 (4%)
POLY-3 RATE (b)	0/42.80	1/43.51	4/38.96	2/41.99
POLY-3 PERCENT (g)	0%	2.3%	10.3%	4.8%
TERMINAL (d)	0/34 (0%)	1/34 (3%)	3/29 (10%)	1/33 (3%)
FIRST INCIDENCE	---	728 (T)	529	688
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.154	P=0.503	P=0.049*	P=0.233
POLY 1.5	P=0.158	P=0.503	P=0.053	P=0.235
POLY 6	P=0.149	P=0.502	P=0.045*	P=0.229
COCH-ARM / FISHERS	P=0.165	P=0.500	P=0.059	P=0.247
MAX-ISO-POLY-3	P=0.068	P=0.163	P=0.019*	P=0.076



Experiment Number: 20320 - 03  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Tetrabromobisphenol A  
 CAS Number: 79-94-7

Date Report Requested: 01/23/2013  
 Time Report Requested: 15:06:23  
 First Dose M/F: 07/25/07 / 07/26/07  
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 mg/kg	250 mg/kg	500 mg/kg	1000 mg/kg
<b>Uterus: Endometrium Hyperplasia Cystic</b>				
<b>LESION RATES</b>				
OVERALL (a)	8/50 (16%)	13/50 (26%)	11/50 (22%)	18/50 (36%)
POLY-3 RATE (b)	8/43.23	13/44.65	11/40.96	18/44.53
POLY-3 PERCENT (g)	18.5%	29.1%	26.9%	40.4%
TERMINAL (d)	6/34 (18%)	9/34 (27%)	6/29 (21%)	11/33 (33%)
FIRST INCIDENCE	604	548	321	442
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.019*	P=0.179	P=0.256	P=0.019*
POLY 1.5	P=0.019*	P=0.174	P=0.273	P=0.018*
POLY 6	P=0.019*	P=0.180	P=0.239	P=0.021*
COCH-ARM / FISHERS	P=0.021*	P=0.163	P=0.306	P=0.020*
MAX-ISO-POLY-3	P=0.017*	P=0.125	P=0.186	P=0.011*

Experiment Number: 20320 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/Wistar Han

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

Tetrabromobisphenol A

CAS Number: 79-94-7

Date Report Requested: 01/23/2013

Time Report Requested: 15:06:23

First Dose M/F: 07/25/07 / 07/26/07

Lab: BAT

**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.
  - (e) Value of statistic cannot be computed.
  - (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.
  - (g) Poly-3 adjusted lifetime tumor incidence.
  - (n) No statistics are calculated if all dose groups have fewer than two tumors.
  - (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
- The Cochran-Armitage and Fishers exact tests compare directly the overall incidence rates.

\*\*\* END OF REPORT \*\*\*