

TDMS No. 88148 - 06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 04/15/2009

Time Report Requested: 09:57:26

First Dose M/F: 01/29/03 / 01/30/03

Lab: BAT

F3_R8

C Number: C88148C
Lock Date: 09/22/2005
Cage Range: ALL
Date Range: ALL
Reasons For Removal: ALL
Removal Date Range: ALL
Treatment Groups: Include ALL
Study Gender: Both
TDMSE Version: 2.1.0

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SUMMARY OF STATISTICALLY SIGNIFICANT ($P \leq .05$) RESULTS IN THE ANALYSIS OF 3,3',4,4'-TETRACHLOROAZOBENZENE

MALE RATS

Organ

Adrenal Cortex

Adrenal Cortex: Zona Fasciculata

Blood Vessel

Bone Marrow

Brain

Coagulating Gland

Epididymis

Eye: Cornea

Eye: Retina

Heart

Kidney

Liver

Liver: Bile Duct

Morphology

Degeneration

Hypertrophy

Necrosis

Vacuolization Cytoplasmic

Hyperplasia

Inflammation

Hyperplasia

Necrosis

Inflammation

Granuloma Sperm

Inflammation

Degeneration

Cardiomyopathy

Mineralization

Necrosis

Thrombosis

Mineralization

Clear Cell Focus

Eosinophilic Focus

Fatty Change Diffuse

Fatty Change Focal

Fibrosis

Hematopoietic Cell Proliferation

Hyperplasia

Inflammation Chronic

Mixed Cell Focus

Necrosis

Pigmentation

Toxic Hepatopathy

Cyst

Dilatation

Fibrosis

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SUMMARY OF STATISTICALLY SIGNIFICANT (P<=.05) RESULTS IN THE ANALYSIS OF 3,3',4,4'-TETRACHLOROAZOBENZENE

Liver: Centrilobular	Hyperplasia
Liver: Hepatocyte	Degeneration
	Hypertrophy
	Multinucleated
Liver: Oval Cell	Hyperplasia
Lung	Inflammation Granulomatous
	Pigmentation
Lung: Alveolar Epithelium	Metaplasia
	Metaplasia Bronchiolar
Lung: Alveolus	Infiltration Cellular Histiocyte
Lymph Node, Mandibular	Atrophy
	Hyperplasia Lymphoid
Lymph Node, Mesenteric	Atrophy
	Pigmentation
Lymph Node: Mediastinal	Hyperplasia Lymphoid
Oral Mucosa: Gingival	Hyperplasia
	Hyperplasia Cystic Keratinizing
Pancreas	Atrophy
	Inflammation
Pancreas: Acinus	Hyperplasia
	Vacuolization Cytoplasmic
Parathyroid Gland	Hyperplasia
Pituitary Gland	Necrosis
Preputial Gland	Inflammation
Prostate	Inflammation
Prostate: Epithelium	Hyperplasia
Salivary Glands	Atrophy
Seminal Vesicle	Hyperplasia
	Inflammation
	Metaplasia
Spleen	Hematopoietic Cell Proliferation
Spleen: Lymphoid Follicle	Atrophy
Stomach, Forestomach	Necrosis
Stomach, Forestomach: Epithelium	Hyperplasia
Testes	Necrosis
Testes: Germinal Epithelium	Degeneration

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Thyroid Gland
Thyroid Gland: C-Cell
Thyroid Gland: Follicular Cell

Tooth: Peridontal Tissue
Ureter: Transitional Epithelium
Urethra: Transitional Epithelium

Inflammation
Hyperplasia
Hyperplasia
Hypertrophy
Inflammation
Hyperplasia
Hyperplasia

FEMALE RATS

Organ

Adrenal Cortex

Adrenal Cortex: Zona Fasciculata
Adrenal Medulla
Blood Vessel
Bone Marrow
Clitoral Gland

Heart

Heart: Endocardium
Intestine Large, Colon
Kidney

Kidney: Renal Tubule
Liver

Morphology

Hypertrophy
Necrosis
Vacuolization Cytoplasmic
Hyperplasia
Hyperplasia
Inflammation
Hyperplasia
Cyst
Hyperplasia
Inflammation
Cardiomyopathy
Thrombosis
Hyperplasia
Parasite Metazoan
Infarct
Inflammation Diffuse
Nephropathy
Necrosis
Angiectasis
Basophilic Focus
Cholangiofibrosis
Clear Cell Focus
Degeneration Cystic
Eosinophilic Focus
Fatty Change Diffuse

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	Fatty Change Focal
	Fibrosis
	Hematopoietic Cell Proliferation
	Hyperplasia
	Mixed Cell Focus
	Necrosis
	Necrosis Focal
	Pigmentation
	Toxic Hepatopathy
Liver: Bile Duct	Cyst
	Hyperplasia
Liver: Centrilobular	Degeneration
Liver: Hepatocyte	Hypertrophy
	Multinucleated
Liver: Oval Cell	Hyperplasia
Lung	Pigmentation
Lung: Alveolar Epithelium	Hyperplasia
	Metaplasia
	Metaplasia Bronchiolar
Lung: Alveolus	Infiltration Cellular Histiocyte
Lymph Node, Mandibular	Atrophy
Lymph Node, Mesenteric	Atrophy
	Atrophy Lymphoid
	Pigmentation
Mammary Gland	Galactocele
	Hyperplasia
Nose	Inflammation
Oral Mucosa: Gingival	Hyperplasia
	Hyperplasia Cystic Keratinizing
Ovary	Inflammation
Oviduct	Cyst
Pancreas	Atrophy
	Inflammation
Pancreas: Acinus	Vacuolization Cytoplasmic
Parathyroid Gland	Hyperplasia
Spleen	Hematopoietic Cell Proliferation

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Spleen: Lymphoid Follicle	Pigmentation
Stomach, Forestomach	Atrophy
	Cyst
	Inflammation
	Necrosis
Stomach, Forestomach: Epithelium	Hyperplasia
Thyroid Gland	Inflammation
Thyroid Gland: C-Cell	Hyperplasia
Thyroid Gland: Follicular Cell	Hyperplasia
	Hypertrophy
Tooth: Peridental Tissue	Inflammation
Uterus	Cyst
Uterus: Endometrium	Hyperplasia Cystic
Vagina: Epithelium	Hyperplasia

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

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Adrenal Cortex Degeneration				
LESION RATES				
OVERALL (a)	4/50 (8%)	14/50 (28%)	14/50 (28%)	9/50 (18%)
POLY-3 RATE (b)	4/41.44	14/33.59	14/31.25	9/29.56
POLY-3 PERCENT (g)	9.7%	41.7%	44.8%	30.5%
TERMINAL (d)	3/28 (11%)	2/9 (22%)	1/4 (25%)	0/2 (0%)
FIRST INCIDENCE	496	176	281	274
STATISTICAL TESTS				
POLY 3	P=0.134	P<0.001**	P<0.001**	P=0.027*
POLY 1.5	P=0.276	P=0.002**	P<0.001**	P=0.052
POLY 6	P=0.028*	P<0.001**	P<0.001**	P=0.009**
COCH-ARM / FISHERS	P=0.518	P=0.009**	P=0.009**	P=0.117
MAX-ISO-POLY-3	P=0.011*	P<0.001**	P<0.001**	P=0.026*

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

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Adrenal Cortex Hypertrophy				
LESION RATES				
OVERALL (a)	33/50 (66%)	24/50 (48%)	11/50 (22%)	17/50 (34%)
POLY-3 RATE (b)	33/44.39	24/35.19	11/29.73	17/32.01
POLY-3 PERCENT (g)	74.3%	68.2%	37%	53.1%
TERMINAL (d)	23/28 (82%)	7/9 (78%)	2/4 (50%)	2/2 (100%)
FIRST INCIDENCE	420	176	281	192
STATISTICAL TESTS				
POLY 3	P=0.018N*	P=0.347N	P<0.001N**	P=0.030N*
POLY 1.5	P=0.008N**	P=0.168N	P<0.001N**	P=0.006N**
POLY 6	P=0.098N	P=0.592	P=0.008N**	P=0.201N
COCH-ARM / FISHERS	P=0.007N**	P=0.053N	P<0.001N**	P<0.001N**
MAX-ISO-POLY-3	P=0.007N**	P=0.273N	P<0.001N**	P=0.030N*

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TERMINAL SACRIFICE AT 104 WEEKS

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Adrenal Cortex				
Necrosis				
LESION RATES				
OVERALL (a)	0/50 (0%)	2/50 (4%)	4/50 (8%)	13/50 (26%)
POLY-3 RATE (b)	0/40.76	2/29.67	4/27.99	13/31.83
POLY-3 PERCENT (g)	0%	6.7%	14.3%	40.8%
TERMINAL (d)	0/28 (0%)	0/9 (0%)	0/4 (0%)	0/2 (0%)
FIRST INCIDENCE	---	500	452	192
STATISTICAL TESTS				
POLY 3	P<0.001**	P=0.174	P=0.026*	P<0.001**
POLY 1.5	P<0.001**	P=0.198	P=0.036*	P<0.001**
POLY 6	P<0.001**	P=0.146	P=0.017*	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.247	P=0.059	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P=0.074	P=0.017*	P<0.001**

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TERMINAL SACRIFICE AT 104 WEEKS

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Adrenal Cortex				
Vacuolization Cytoplasmic				
LESION RATES				
OVERALL (a)	20/50 (40%)	29/50 (58%)	31/50 (62%)	25/50 (50%)
POLY-3 RATE (b)	20/42.68	29/38.77	31/37.66	25/35.41
POLY-3 PERCENT (g)	46.9%	74.8%	82.3%	70.6%
TERMINAL (d)	14/28 (50%)	5/9 (56%)	4/4 (100%)	2/2 (100%)
FIRST INCIDENCE	549	467	367	274
STATISTICAL TESTS				
POLY 3	P=0.074	P=0.005**	P<0.001**	P=0.021*
POLY 1.5	P=0.209	P=0.012*	P<0.001**	P=0.063
POLY 6	P=0.009**	P=0.003**	P<0.001**	P=0.003**
COCH-ARM / FISHERS	P=0.486	P=0.055	P=0.022*	P=0.211
MAX-ISO-POLY-3	P=0.003**	P=0.004**	P<0.001**	P=0.018*

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 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Adrenal Cortex: Zona Fasciculata Hyperplasia				
LESION RATES				
OVERALL (a)	14/50 (28%)	22/50 (44%)	19/50 (38%)	21/50 (42%)
POLY-3 RATE (b)	14/43.00	22/36.96	19/32.30	21/34.22
POLY-3 PERCENT (g)	32.6%	59.5%	58.8%	61.4%
TERMINAL (d)	7/28 (25%)	5/9 (56%)	4/4 (100%)	0/2 (0%)
FIRST INCIDENCE	496	467	438	443
STATISTICAL TESTS				
POLY 3	P=0.026*	P=0.010**	P=0.017*	P=0.008**
POLY 1.5	P=0.072	P=0.023*	P=0.049*	P=0.023*
POLY 6	P=0.005**	P=0.004**	P=0.003**	P=0.002**
COCH-ARM / FISHERS	P=0.233	P=0.072	P=0.198	P=0.104
MAX-ISO-POLY-3	P=0.010**	P=0.009**	P=0.018*	P=0.008**

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TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Adrenal Medulla Hyperplasia				
LESION RATES				
OVERALL (a)	10/50 (20%)	8/50 (16%)	5/50 (10%)	6/50 (12%)
POLY-3 RATE (b)	10/41.54	8/30.99	5/27.44	6/26.97
POLY-3 PERCENT (g)	24.1%	25.8%	18.2%	22.2%
TERMINAL (d)	6/28 (21%)	2/9 (22%)	1/4 (25%)	0/2 (0%)
FIRST INCIDENCE	639	535	487	433
STATISTICAL TESTS				
POLY 3	P=0.462N	P=0.541	P=0.393N	P=0.545N
POLY 1.5	P=0.336N	P=0.560N	P=0.270N	P=0.390N
POLY 6	P=0.451	P=0.390	P=0.582N	P=0.461
COCH-ARM / FISHERS	P=0.220N	P=0.398N	P=0.131N	P=0.207N
MAX-ISO-POLY-3	P=0.556N	P=0.439	P=0.317N	P=0.441N

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TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Blood Vessel Inflammation				
LESION RATES				
OVERALL (a)	21/50 (42%)	29/50 (58%)	30/50 (60%)	29/50 (58%)
POLY-3 RATE (b)	21/44.02	29/39.34	30/39.46	29/37.03
POLY-3 PERCENT (g)	47.7%	73.7%	76%	78.3%
TERMINAL (d)	13/28 (46%)	5/9 (56%)	1/4 (25%)	1/2 (50%)
FIRST INCIDENCE	420	380	295	192
STATISTICAL TESTS				
POLY 3	P=0.009**	P=0.009**	P=0.004**	P=0.002**
POLY 1.5	P=0.035*	P=0.021*	P=0.009**	P=0.010**
POLY 6	P=0.002**	P=0.003**	P=0.002**	P<0.001**
COCH-ARM / FISHERS	P=0.191	P=0.081	P=0.055	P=0.081
MAX-ISO-POLY-3	P=0.002**	P=0.007**	P=0.003**	P=0.002**

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TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Blood Vessel Mineralization				
LESION RATES				
OVERALL (a)	5/50 (10%)	1/50 (2%)	4/50 (8%)	3/50 (6%)
POLY-3 RATE (b)	5/43.02	1/29.33	4/27.86	3/25.91
POLY-3 PERCENT (g)	11.6%	3.4%	14.4%	11.6%
TERMINAL (d)	0/28 (0%)	0/9 (0%)	0/4 (0%)	0/2 (0%)
FIRST INCIDENCE	420	537	307	443
STATISTICAL TESTS				
POLY 3	P=0.481	P=0.216N	P=0.511	P=0.641N
POLY 1.5	P=0.574	P=0.162N	P=0.614	P=0.525N
POLY 6	P=0.328	P=0.306N	P=0.374	P=0.484
COCH-ARM / FISHERS	P=0.529N	P=0.102N	P=0.500N	P=0.357N
MAX-ISO-POLY-3	P=0.488	P=0.150N	P=0.391	P=0.497N

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TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Bone Marrow Atrophy				
LESION RATES				
OVERALL (a)	0/50 (0%)	1/50 (2%)	2/49 (4%)	2/50 (4%)
POLY-3 RATE (b)	0/40.76	1/28.74	2/26.11	2/25.26
POLY-3 PERCENT (g)	0%	3.5%	7.7%	7.9%
TERMINAL (d)	0/28 (0%)	1/9 (11%)	0/4 (0%)	0/2 (0%)
FIRST INCIDENCE	---	727 (T)	474	567
STATISTICAL TESTS				
POLY 3	P=0.119	P=0.432	P=0.154	P=0.150
POLY 1.5	P=0.166	P=0.460	P=0.182	P=0.182
POLY 6	P=0.068	P=0.393	P=0.124	P=0.115
COCH-ARM / FISHERS	P=0.244	P=0.500	P=0.242	P=0.247
MAX-ISO-POLY-3	P=0.158	P=0.157	P=0.072	P=0.073

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TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Bone Marrow Hyperplasia				
LESION RATES				
OVERALL (a)	12/50 (24%)	7/50 (14%)	21/49 (43%)	19/50 (38%)
POLY-3 RATE (b)	12/44.28	7/31.98	21/37.32	19/34.64
POLY-3 PERCENT (g)	27.1%	21.9%	56.3%	54.8%
TERMINAL (d)	3/28 (11%)	0/9 (0%)	0/4 (0%)	0/2 (0%)
FIRST INCIDENCE	274	380	115	192
STATISTICAL TESTS				
POLY 3	P=0.002**	P=0.403N	P=0.005**	P=0.009**
POLY 1.5	P=0.006**	P=0.287N	P=0.011*	P=0.027*
POLY 6	P<0.001**	P=0.572N	P<0.001**	P=0.002**
COCH-ARM / FISHERS	P=0.024*	P=0.154N	P=0.037*	P=0.097
MAX-ISO-POLY-3	P=0.004**	P=0.328N	P=0.004**	P=0.010**

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Route: GAVAGE
Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 04/15/2009
Time Report Requested: 09:57:26
First Dose M/F: 01/29/03 / 01/30/03
Lab: BAT

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

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Brain				
Gliososis				
LESION RATES				
OVERALL (a)	0/50 (0%)	2/50 (4%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/40.76	2/28.82	0/25.86	0/24.26
POLY-3 PERCENT (g)	0%	6.9%	0%	0%
TERMINAL (d)	0/28 (0%)	1/9 (11%)	0/4 (0%)	0/2 (0%)
FIRST INCIDENCE	---	705	---	---
STATISTICAL TESTS				
POLY 3	P=0.521N	P=0.169	(e)	(e)
POLY 1.5	P=0.462N	P=0.196	(e)	(e)
POLY 6	P=0.609N	P=0.139	(e)	(e)
COCH-ARM / FISHERS	P=0.392N	P=0.247	(e)	(e)
MAX-ISO-POLY-3	P=0.388N	P=0.074	(e)	(e)

TDMS No. 88148 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

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 Lab: BAT

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

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Brain Hemorrhage				
LESION RATES				
OVERALL (a)	1/50 (2%)	0/50 (0%)	0/50 (0%)	2/50 (4%)
POLY-3 RATE (b)	1/41.29	0/28.74	0/25.86	2/25.37
POLY-3 PERCENT (g)	2.4%	0%	0%	7.9%
TERMINAL (d)	0/28 (0%)	0/9 (0%)	0/4 (0%)	0/2 (0%)
FIRST INCIDENCE	567	---	---	484
STATISTICAL TESTS				
POLY 3	P=0.148	P=0.570N	P=0.589N	P=0.340
POLY 1.5	P=0.166	P=0.541N	P=0.554N	P=0.405
POLY 6	P=0.119	P=0.609N	P=0.634N	P=0.261
COCH-ARM / FISHERS	P=0.186	P=0.500N	P=0.500N	P=0.500
MAX-ISO-POLY-3	P=0.121	P=0.243N	P=0.265N	P=0.207

TDMS No. 88148 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 3,3',4,4'-Tetrachloroazobenzene
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 Lab: BAT

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

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Brain Necrosis				
LESION RATES				
OVERALL (a)	0/50 (0%)	4/50 (8%)	1/50 (2%)	3/50 (6%)
POLY-3 RATE (b)	0/40.76	4/29.94	1/26.25	3/25.75
POLY-3 PERCENT (g)	0%	13.4%	3.8%	11.7%
TERMINAL (d)	0/28 (0%)	1/9 (11%)	0/4 (0%)	0/2 (0%)
FIRST INCIDENCE	---	332	617	225
STATISTICAL TESTS				
POLY 3	P=0.134	P=0.030*	P=0.416	P=0.058
POLY 1.5	P=0.200	P=0.040*	P=0.449	P=0.079
POLY 6	P=0.064	P=0.020*	P=0.373	P=0.038*
COCH-ARM / FISHERS	P=0.306	P=0.059	P=0.500	P=0.121
MAX-ISO-POLY-3	P=0.092	P=0.018*	P=0.157	P=0.035*

TDMS No. 88148 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

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

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

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Coagulating Gland Inflammation				
LESION RATES				
OVERALL (a)	1/50 (2%)	3/50 (6%)	2/50 (4%)	4/49 (8%)
POLY-3 RATE (b)	1/41.08	3/29.89	2/26.51	4/24.87
POLY-3 PERCENT (g)	2.4%	10%	7.5%	16.1%
TERMINAL (d)	0/28 (0%)	0/9 (0%)	0/4 (0%)	0/2 (0%)
FIRST INCIDENCE	639	549	617	560
STATISTICAL TESTS				
POLY 3	P=0.066	P=0.203	P=0.355	P=0.068
POLY 1.5	P=0.107	P=0.242	P=0.410	P=0.102
POLY 6	P=0.029*	P=0.157	P=0.286	P=0.039*
COCH-ARM / FISHERS	P=0.183	P=0.309	P=0.500	P=0.175
MAX-ISO-POLY-3	P=0.085	P=0.120	P=0.212	P=0.053

TDMS No. 88148 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
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 CAS Number: 14047-09-7

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 Lab: BAT

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

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Epididymis				
Granuloma Sperm				
LESION RATES				
OVERALL (a)	0/50 (0%)	1/50 (2%)	3/50 (6%)	2/50 (4%)
POLY-3 RATE (b)	0/40.76	1/28.95	3/27.80	2/25.66
POLY-3 PERCENT (g)	0%	3.5%	10.8%	7.8%
TERMINAL (d)	0/28 (0%)	0/9 (0%)	0/4 (0%)	0/2 (0%)
FIRST INCIDENCE	---	671	438	443
STATISTICAL TESTS				
POLY 3	P=0.129	P=0.433	P=0.065	P=0.152
POLY 1.5	P=0.186	P=0.461	P=0.082	P=0.184
POLY 6	P=0.068	P=0.396	P=0.047*	P=0.117
COCH-ARM / FISHERS	P=0.280	P=0.500	P=0.121	P=0.247
MAX-ISO-POLY-3	P=0.122	P=0.158	P=0.036*	P=0.073

TDMS No. 88148 - 06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 04/15/2009
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First Dose M/F: 01/29/03 / 01/30/03
Lab: BAT

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

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Epididymis Inflammation				
LESION RATES				
OVERALL (a)	3/50 (6%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	3/41.08	0/28.74	0/25.86	0/24.26
POLY-3 PERCENT (g)	7.3%	0%	0%	0%
TERMINAL (d)	2/28 (7%)	0/9 (0%)	0/4 (0%)	0/2 (0%)
FIRST INCIDENCE	639	---	---	---
STATISTICAL TESTS				
POLY 3	P=0.133N	P=0.195N	P=0.223N	P=0.240N
POLY 1.5	P=0.131N	P=0.159N	P=0.175N	P=0.181N
POLY 6	P=0.157N	P=0.256N	P=0.304N	P=0.344N
COCH-ARM / FISHERS	P=0.149N	P=0.121N	P=0.121N	P=0.121N
MAX-ISO-POLY-3	P=0.111N	P=0.106N	P=0.131N	P=0.146N

TDMS No. 88148 - 06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
3,3',4,4'-Tetrachloroazobenzene
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Lab: BAT

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

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

Eye: Anterior Chamber
Inflammation

LESION RATES

OVERALL (a)	1/48 (2%)	2/50 (4%)	1/50 (2%)	1/50 (2%)
POLY-3 RATE (b)	1/39.24	2/29.77	1/26.28	1/24.88
POLY-3 PERCENT (g)	2.6%	6.7%	3.8%	4%
TERMINAL (d)	0/28 (0%)	0/9 (0%)	0/4 (0%)	0/2 (0%)
FIRST INCIDENCE	717	500	609	529

STATISTICAL TESTS

POLY 3	P=0.606	P=0.405	P=0.663	P=0.649
POLY 1.5	P=0.613N	P=0.450	P=0.709	P=0.704
POLY 6	P=0.477	P=0.345	P=0.594	P=0.564
COCH-ARM / FISHERS	P=0.538N	P=0.515	P=0.742N	P=0.742N
MAX-ISO-POLY-3	P=0.555	P=0.235	P=0.406	P=0.396

TDMS No. 88148 - 06
 Test Type: CHRONIC
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 Species/Strain: RATS/SD

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 Lab: BAT

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

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Eye: Cornea Inflammation				
LESION RATES				
OVERALL (a)	3/48 (6%)	12/50 (24%)	5/50 (10%)	2/50 (4%)
POLY-3 RATE (b)	3/39.46	12/32.43	5/27.48	2/25.10
POLY-3 PERCENT (g)	7.6%	37%	18.2%	8%
TERMINAL (d)	1/28 (4%)	3/9 (33%)	0/4 (0%)	0/2 (0%)
FIRST INCIDENCE	671	500	554	529
STATISTICAL TESTS				
POLY 3	P=0.274N	P=0.002**	P=0.182	P=0.656
POLY 1.5	P=0.143N	P=0.004**	P=0.250	P=0.607N
POLY 6	P=0.566N	P<0.001**	P=0.112	P=0.523
COCH-ARM / FISHERS	P=0.057N	P=0.014*	P=0.381	P=0.480N
MAX-ISO-POLY-3	P=0.161	P=0.002**	P=0.136	P=0.482

TDMS No. 88148 - 06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/SD

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

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Eye: Retina Degeneration				
LESION RATES				
OVERALL (a)	1/48 (2%)	1/50 (2%)	6/50 (12%)	2/50 (4%)
POLY-3 RATE (b)	1/39.20	1/28.95	6/26.92	2/24.31
POLY-3 PERCENT (g)	2.6%	3.5%	22.3%	8.2%
TERMINAL (d)	1/28 (4%)	0/9 (0%)	2/4 (50%)	1/2 (50%)
FIRST INCIDENCE	727 (T)	671	617	716
STATISTICAL TESTS				
POLY 3	P=0.214	P=0.688	P=0.016*	P=0.343
POLY 1.5	P=0.330	P=0.725	P=0.028*	P=0.414
POLY 6	P=0.084	P=0.633	P=0.007**	P=0.254
COCH-ARM / FISHERS	P=0.495	P=0.742N	P=0.062	P=0.515
MAX-ISO-POLY-3	P=0.104	P=0.425	P=0.015*	P=0.210

TDMS No. 88148 - 06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/SD

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3,3',4,4'-Tetrachloroazobenzene
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Lab: BAT

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

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Heart				
Cardiomyopathy				
LESION RATES				
OVERALL (a)	47/50 (94%)	48/50 (96%)	45/50 (90%)	40/50 (80%)
POLY-3 RATE (b)	47/49.06	48/49.61	45/46.29	40/44.20
POLY-3 PERCENT (g)	95.8%	96.8%	97.2%	90.5%
TERMINAL (d)	28/28 (100%)	8/9 (89%)	4/4 (100%)	1/2 (50%)
FIRST INCIDENCE	274	62	115	174
STATISTICAL TESTS				
POLY 3	P=0.083N	P=0.622	P=0.586	P=0.233N
POLY 1.5	P=0.025N*	P=0.565	P=0.646	P=0.122N
POLY 6	P=0.235N	P=0.711	P=0.590	P=0.410N
COCH-ARM / FISHERS	P=0.004N**	P=0.500	P=0.357N	P=0.036N*
MAX-ISO-POLY-3	P=0.099N	P=0.390	P=0.332	P=0.122N

TDMS No. 88148 - 06
 Test Type: CHRONIC
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 Species/Strain: RATS/SD

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 Lab: BAT

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

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Heart Inflammation				
LESION RATES				
OVERALL (a)	1/50 (2%)	0/50 (0%)	2/50 (4%)	1/50 (2%)
POLY-3 RATE (b)	1/40.76	0/28.74	2/27.34	1/25.11
POLY-3 PERCENT (g)	2.5%	0%	7.3%	4%
TERMINAL (d)	1/28 (4%)	0/9 (0%)	0/4 (0%)	0/2 (0%)
FIRST INCIDENCE	727 (T)	---	295	387
STATISTICAL TESTS				
POLY 3	P=0.434	P=0.568N	P=0.366	P=0.642
POLY 1.5	P=0.500	P=0.540N	P=0.419	P=0.696
POLY 6	P=0.328	P=0.606N	P=0.298	P=0.558
COCH-ARM / FISHERS	P=0.577	P=0.500N	P=0.500	P=0.753N
MAX-ISO-POLY-3	P=0.358	P=0.241N	P=0.217	P=0.390

TDMS No. 88148 - 06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/SD

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Lab: BAT

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

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Heart Mineralization				
LESION RATES				
OVERALL (a)	5/50 (10%)	0/50 (0%)	1/50 (2%)	1/50 (2%)
POLY-3 RATE (b)	5/42.98	0/28.74	1/25.93	1/24.67
POLY-3 PERCENT (g)	11.6%	0%	3.9%	4.1%
TERMINAL (d)	1/28 (4%)	0/9 (0%)	0/4 (0%)	0/2 (0%)
FIRST INCIDENCE	420	---	712	613
STATISTICAL TESTS				
POLY 3	P=0.247N	P=0.083N	P=0.264N	P=0.284N
POLY 1.5	P=0.219N	P=0.056N	P=0.187N	P=0.193N
POLY 6	P=0.328N	P=0.136N	P=0.389N	P=0.433N
COCH-ARM / FISHERS	P=0.215N	P=0.028N*	P=0.102N	P=0.102N
MAX-ISO-POLY-3	P=0.171N	P=0.058N	P=0.194N	P=0.211N

TDMS No. 88148 - 06
 Test Type: CHRONIC
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 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 3,3',4,4'-Tetrachloroazobenzene
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 Lab: BAT

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

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Heart Necrosis				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	2/50 (4%)
POLY-3 RATE (b)	0/40.76	0/28.74	0/25.86	2/25.21
POLY-3 PERCENT (g)	0%	0%	0%	7.9%
TERMINAL (d)	0/28 (0%)	0/9 (0%)	0/4 (0%)	0/2 (0%)
FIRST INCIDENCE	---	---	---	476
STATISTICAL TESTS				
POLY 3	P=0.027*	(e)	(e)	P=0.150
POLY 1.5	P=0.032*	(e)	(e)	P=0.182
POLY 6	P=0.020*	(e)	(e)	P=0.114
COCH-ARM / FISHERS	P=0.042*	(e)	(e)	P=0.247
MAX-ISO-POLY-3	P=0.034*	(e)	(e)	P=0.073

TDMS No. 88148 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

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

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

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Heart Thrombosis				
LESION RATES				
OVERALL (a)	0/50 (0%)	4/50 (8%)	2/50 (4%)	4/50 (8%)
POLY-3 RATE (b)	0/40.76	4/30.18	2/26.36	4/25.90
POLY-3 PERCENT (g)	0%	13.3%	7.6%	15.4%
TERMINAL (d)	0/28 (0%)	0/9 (0%)	0/4 (0%)	0/2 (0%)
FIRST INCIDENCE	---	454	609	433
STATISTICAL TESTS				
POLY 3	P=0.052	P=0.030*	P=0.156	P=0.022*
POLY 1.5	P=0.091	P=0.041*	P=0.185	P=0.034*
POLY 6	P=0.020*	P=0.021*	P=0.124	P=0.012*
COCH-ARM / FISHERS	P=0.170	P=0.059	P=0.247	P=0.059
MAX-ISO-POLY-3	P=0.046*	P=0.018*	P=0.073	P=0.017*

TDMS No. 88148 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 04/15/2009
 Time Report Requested: 09:57:26
 First Dose M/F: 01/29/03 / 01/30/03
 Lab: BAT

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

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Heart: Endocardium Hyperplasia				
LESION RATES				
OVERALL (a)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/40.76	1/28.89	0/25.86	0/24.26
POLY-3 PERCENT (g)	0%	3.5%	0%	0%
TERMINAL (d)	0/28 (0%)	0/9 (0%)	0/4 (0%)	0/2 (0%)
FIRST INCIDENCE	---	689	---	---
STATISTICAL TESTS				
POLY 3	P=0.668N	P=0.433	(e)	(e)
POLY 1.5	P=0.638N	P=0.461	(e)	(e)
POLY 6	P=0.710N	P=0.396	(e)	(e)
COCH-ARM / FISHERS	P=0.601N	P=0.500	(e)	(e)
MAX-ISO-POLY-3	P=0.496N	P=0.157	(e)	(e)

TDMS No. 88148 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 04/15/2009
 Time Report Requested: 09:57:26
 First Dose M/F: 01/29/03 / 01/30/03
 Lab: BAT

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

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Intestine Large, Colon				
Parasite Metazoan				
LESION RATES				
OVERALL (a)	6/50 (12%)	6/50 (12%)	3/50 (6%)	5/50 (10%)
POLY-3 RATE (b)	6/40.76	6/31.25	3/27.78	5/27.65
POLY-3 PERCENT (g)	14.7%	19.2%	10.8%	18.1%
TERMINAL (d)	6/28 (21%)	1/9 (11%)	0/4 (0%)	1/2 (50%)
FIRST INCIDENCE	727 (T)	332	367	192
STATISTICAL TESTS				
POLY 3	P=0.491	P=0.427	P=0.459N	P=0.486
POLY 1.5	P=0.566N	P=0.510	P=0.366N	P=0.604
POLY 6	P=0.308	P=0.314	P=0.594N	P=0.311
COCH-ARM / FISHERS	P=0.464N	P=0.620N	P=0.243N	P=0.500N
MAX-ISO-POLY-3	P=0.586	P=0.328	P=0.347N	P=0.377

TDMS No. 88148 - 06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 04/15/2009
Time Report Requested: 09:57:26
First Dose M/F: 01/29/03 / 01/30/03
Lab: BAT

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

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Kidney				
Accumulation, Hyaline Droplet				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/40.76	0/28.74	0/25.86	0/24.26
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/28 (0%)	0/9 (0%)	0/4 (0%)	0/2 (0%)
FIRST INCIDENCE	---	---	---	---
STATISTICAL TESTS				
POLY 3	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)

TDMS No. 88148 - 06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
3,3',4,4'-Tetrachloroazobenzene
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Lab: BAT

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

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Kidney Casts				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/40.76	0/28.74	0/25.86	0/24.26
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/28 (0%)	0/9 (0%)	0/4 (0%)	0/2 (0%)
FIRST INCIDENCE	---	---	---	---
STATISTICAL TESTS				
POLY 3	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)

TDMS No. 88148 - 06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

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First Dose M/F: 01/29/03 / 01/30/03
Lab: BAT

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

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Kidney Infarct				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/40.76	0/28.74	0/25.86	0/24.26
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/28 (0%)	0/9 (0%)	0/4 (0%)	0/2 (0%)
FIRST INCIDENCE	---	---	---	---
STATISTICAL TESTS				
POLY 3	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)

TDMS No. 88148 - 06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/SD

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

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

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Kidney				
Inflammation Diffuse				
<hr/>				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/40.76	0/28.74	0/25.86	0/24.26
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/28 (0%)	0/9 (0%)	0/4 (0%)	0/2 (0%)
FIRST INCIDENCE	---	---	---	---
<hr/>				
STATISTICAL TESTS				
POLY 3	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)

TDMS No. 88148 - 06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 04/15/2009
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First Dose M/F: 01/29/03 / 01/30/03
Lab: BAT

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

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Kidney Mineralization				
LESION RATES				
OVERALL (a)	22/50 (44%)	20/50 (40%)	24/50 (48%)	24/50 (48%)
POLY-3 RATE (b)	22/45.31	20/35.99	24/39.60	24/35.29
POLY-3 PERCENT (g)	48.6%	55.6%	60.6%	68%
TERMINAL (d)	12/28 (43%)	6/9 (67%)	1/4 (25%)	1/2 (50%)
FIRST INCIDENCE	274	380	38	174
STATISTICAL TESTS				
POLY 3	P=0.047*	P=0.338	P=0.176	P=0.054
POLY 1.5	P=0.117	P=0.492	P=0.272	P=0.144
POLY 6	P=0.010**	P=0.171	P=0.084	P=0.012*
COCH-ARM / FISHERS	P=0.312	P=0.420N	P=0.421	P=0.421
MAX-ISO-POLY-3	P=0.072	P=0.280	P=0.138	P=0.049*

TDMS No. 88148 - 06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

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Lab: BAT

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

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Kidney Nephropathy				
LESION RATES				
OVERALL (a)	50/50 (100%)	50/50 (100%)	47/50 (94%)	48/50 (96%)
POLY-3 RATE (b)	50/50.00	50/50.00	47/47.35	48/48.69
POLY-3 PERCENT (g)	100%	100%	99.3%	98.6%
TERMINAL (d)	28/28 (100%)	9/9 (100%)	4/4 (100%)	2/2 (100%)
FIRST INCIDENCE	274	62	115	174
STATISTICAL TESTS				
POLY 3	P=0.357N	(e)	P=0.979N	P=0.704N
POLY 1.5	P=0.186N	(e)	P=0.634N	P=0.432N
POLY 6	P=0.900N	(e)	P=1.000N	P=0.992N
COCH-ARM / FISHERS	P=0.177N	(e)	P=0.121N	P=0.247N
MAX-ISO-POLY-3	P=0.100N	(e)	P=0.130N	P=0.105N

TDMS No. 88148 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 3,3',4,4'-Tetrachloroazobenzene
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 First Dose M/F: 01/29/03 / 01/30/03
 Lab: BAT

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

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Kidney: Cortex Cyst				
LESION RATES				
OVERALL (a)	2/50 (4%)	3/50 (6%)	1/50 (2%)	2/50 (4%)
POLY-3 RATE (b)	2/41.44	3/29.45	1/26.28	2/24.69
POLY-3 PERCENT (g)	4.8%	10.2%	3.8%	8.1%
TERMINAL (d)	1/28 (4%)	1/9 (11%)	0/4 (0%)	1/2 (50%)
FIRST INCIDENCE	496	549	609	603
STATISTICAL TESTS				
POLY 3	P=0.499	P=0.350	P=0.650N	P=0.497
POLY 1.5	P=0.592	P=0.410	P=0.592N	P=0.583
POLY 6	P=0.350	P=0.274	P=0.702	P=0.380
COCH-ARM / FISHERS	P=0.555N	P=0.500	P=0.500N	P=0.691N
MAX-ISO-POLY-3	P=0.536	P=0.232	P=0.435N	P=0.338

TDMS No. 88148 - 06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
3,3',4,4'-Tetrachloroazobenzene
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Lab: BAT

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

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Kidney: Papilla Necrosis				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/40.76	0/28.74	0/25.86	0/24.26
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/28 (0%)	0/9 (0%)	0/4 (0%)	0/2 (0%)
FIRST INCIDENCE	---	---	---	---
STATISTICAL TESTS				
POLY 3	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)

TDMS No. 88148 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

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 Lab: BAT

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

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Kidney: Pelvis Dilatation				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	0/40.76	0/28.74	0/25.86	1/24.55
POLY-3 PERCENT (g)	0%	0%	0%	4.1%
TERMINAL (d)	0/28 (0%)	0/9 (0%)	0/4 (0%)	0/2 (0%)
FIRST INCIDENCE	---	---	---	650
STATISTICAL TESTS				
POLY 3	P=0.170	(e)	(e)	P=0.404
POLY 1.5	P=0.191	(e)	(e)	P=0.444
POLY 6	P=0.144	(e)	(e)	P=0.353
COCH-ARM / FISHERS	P=0.221	(e)	(e)	P=0.500
MAX-ISO-POLY-3	P=0.125	(e)	(e)	P=0.157

TDMS No. 88148 - 06
Test Type: CHRONIC
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Species/Strain: RATS/SD

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

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

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Kidney: Pelvis Inflammation				
LESION RATES				
OVERALL (a)	1/50 (2%)	2/50 (4%)	0/50 (0%)	2/50 (4%)
POLY-3 RATE (b)	1/41.08	2/29.74	0/25.86	2/25.00
POLY-3 PERCENT (g)	2.4%	6.7%	0%	8%
TERMINAL (d)	0/28 (0%)	0/9 (0%)	0/4 (0%)	0/2 (0%)
FIRST INCIDENCE	639	549	---	603
STATISTICAL TESTS				
POLY 3	P=0.313	P=0.390	P=0.588N	P=0.338
POLY 1.5	P=0.376	P=0.435	P=0.553N	P=0.403
POLY 6	P=0.225	P=0.332	P=0.633N	P=0.258
COCH-ARM / FISHERS	P=0.454	P=0.500	P=0.500N	P=0.500
MAX-ISO-POLY-3	P=0.299	P=0.227	P=0.264N	P=0.206

TDMS No. 88148 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

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 Lab: BAT

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

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Kidney: Pelvis, Transitional Epithelium Hyperplasia				
LESION RATES				
OVERALL (a)	1/50 (2%)	1/50 (2%)	1/50 (2%)	1/50 (2%)
POLY-3 RATE (b)	1/40.80	1/29.41	1/26.40	1/24.69
POLY-3 PERCENT (g)	2.5%	3.4%	3.8%	4.1%
TERMINAL (d)	0/28 (0%)	0/9 (0%)	0/4 (0%)	0/2 (0%)
FIRST INCIDENCE	716	500	562	603
STATISTICAL TESTS				
POLY 3	P=0.531	P=0.683	P=0.655	P=0.638
POLY 1.5	P=0.597	P=0.717	P=0.700	P=0.693
POLY 6	P=0.423	P=0.630	P=0.588	P=0.554
COCH-ARM / FISHERS	P=0.675	P=0.753N	P=0.753N	P=0.753N
MAX-ISO-POLY-3	P=0.608	P=0.419	P=0.398	P=0.387

TDMS No. 88148 - 06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
3,3',4,4'-Tetrachloroazobenzene
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Lab: BAT

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

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Kidney: Renal Tubule Necrosis				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/40.76	0/28.74	0/25.86	0/24.26
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/28 (0%)	0/9 (0%)	0/4 (0%)	0/2 (0%)
FIRST INCIDENCE	---	---	---	---
STATISTICAL TESTS				
POLY 3	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)

TDMS No. 88148 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

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

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

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Liver				
Angiectasis				
LESION RATES				
OVERALL (a)	2/50 (4%)	1/50 (2%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	2/41.30	1/28.74	1/25.86	0/24.26
POLY-3 PERCENT (g)	4.8%	3.5%	3.9%	0%
TERMINAL (d)	0/28 (0%)	1/9 (11%)	1/4 (25%)	0/2 (0%)
FIRST INCIDENCE	592	727 (T)	727 (T)	---
STATISTICAL TESTS				
POLY 3	P=0.276N	P=0.622N	P=0.653N	P=0.369N
POLY 1.5	P=0.236N	P=0.571N	P=0.594N	P=0.309N
POLY 6	P=0.363N	P=0.688N	P=0.692	P=0.461N
COCH-ARM / FISHERS	P=0.200N	P=0.500N	P=0.500N	P=0.247N
MAX-ISO-POLY-3	P=0.325N	P=0.407N	P=0.439N	P=0.200N

TDMS No. 88148 - 06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

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Lab: BAT

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

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Liver				
Basophilic Focus				
LESION RATES				
OVERALL (a)	3/50 (6%)	1/50 (2%)	5/50 (10%)	2/50 (4%)
POLY-3 RATE (b)	3/41.16	1/28.88	5/28.27	2/24.84
POLY-3 PERCENT (g)	7.3%	3.5%	17.7%	8.1%
TERMINAL (d)	1/28 (4%)	0/9 (0%)	0/4 (0%)	0/2 (0%)
FIRST INCIDENCE	640	690	438	650
STATISTICAL TESTS				
POLY 3	P=0.447	P=0.440N	P=0.177	P=0.634
POLY 1.5	P=0.559	P=0.381N	P=0.239	P=0.627N
POLY 6	P=0.273	P=0.525N	P=0.111	P=0.502
COCH-ARM / FISHERS	P=0.532N	P=0.309N	P=0.357	P=0.500N
MAX-ISO-POLY-3	P=0.327	P=0.286N	P=0.132	P=0.464

TDMS No. 88148 - 06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

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First Dose M/F: 01/29/03 / 01/30/03
Lab: BAT

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

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
<hr/>				
Liver				
Cholangiofibrosis				
<hr/>				
LESION RATES				
OVERALL (a)	1/50 (2%)	3/50 (6%)	2/50 (4%)	0/50 (0%)
POLY-3 RATE (b)	1/41.12	3/30.16	2/27.09	0/24.26
POLY-3 PERCENT (g)	2.4%	10%	7.4%	0%
TERMINAL (d)	0/28 (0%)	0/9 (0%)	0/4 (0%)	0/2 (0%)
FIRST INCIDENCE	627	514	468	---
<hr/>				
STATISTICAL TESTS				
POLY 3	P=0.363N	P=0.205	P=0.361	P=0.599N
POLY 1.5	P=0.274N	P=0.243	P=0.414	P=0.558N
POLY 6	P=0.521N	P=0.159	P=0.293	P=0.652N
COCH-ARM / FISHERS	P=0.183N	P=0.309	P=0.500	P=0.500N
MAX-ISO-POLY-3	P=0.307N	P=0.121	P=0.215	P=0.278N

TDMS No. 88148 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 04/15/2009
 Time Report Requested: 09:57:26
 First Dose M/F: 01/29/03 / 01/30/03
 Lab: BAT

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

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Liver				
Clear Cell Focus				
LESION RATES				
OVERALL (a)	32/50 (64%)	12/50 (24%)	8/50 (16%)	4/50 (8%)
POLY-3 RATE (b)	32/42.24	12/31.40	8/27.77	4/25.70
POLY-3 PERCENT (g)	75.8%	38.2%	28.8%	15.6%
TERMINAL (d)	27/28 (96%)	5/9 (56%)	3/4 (75%)	1/2 (50%)
FIRST INCIDENCE	575	380	554	503
STATISTICAL TESTS				
POLY 3	P<0.001N**	P<0.001N**	P<0.001N**	P<0.001N**
POLY 1.5	P<0.001N**	P<0.001N**	P<0.001N**	P<0.001N**
POLY 6	P<0.001N**	P=0.002N**	P<0.001N**	P<0.001N**
COCH-ARM / FISHERS	P<0.001N**	P<0.001N**	P<0.001N**	P<0.001N**
MAX-ISO-POLY-3	P<0.001N**	P<0.001N**	P<0.001N**	P<0.001N**

TDMS No. 88148 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 04/15/2009
 Time Report Requested: 09:57:26
 First Dose M/F: 01/29/03 / 01/30/03
 Lab: BAT

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

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Liver				
Degeneration Cystic				
LESION RATES				
OVERALL (a)	2/50 (4%)	0/50 (0%)	1/50 (2%)	1/50 (2%)
POLY-3 RATE (b)	2/40.84	0/28.74	1/26.14	1/24.56
POLY-3 PERCENT (g)	4.9%	0%	3.8%	4.1%
TERMINAL (d)	1/28 (4%)	0/9 (0%)	0/4 (0%)	0/2 (0%)
FIRST INCIDENCE	706	---	653	648
STATISTICAL TESTS				
POLY 3	P=0.635	P=0.323N	P=0.647N	P=0.665N
POLY 1.5	P=0.649N	P=0.284N	P=0.590N	P=0.598N
POLY 6	P=0.550	P=0.381N	P=0.705	P=0.667
COCH-ARM / FISHERS	P=0.627N	P=0.247N	P=0.500N	P=0.500N
MAX-ISO-POLY-3	P=0.535N	P=0.157N	P=0.433N	P=0.451N

TDMS No. 88148 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 04/15/2009
 Time Report Requested: 09:57:26
 First Dose M/F: 01/29/03 / 01/30/03
 Lab: BAT

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

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Liver				
Eosinophilic Focus				
LESION RATES				
OVERALL (a)	3/50 (6%)	9/50 (18%)	4/50 (8%)	12/50 (24%)
POLY-3 RATE (b)	3/40.76	9/31.23	4/26.75	12/28.78
POLY-3 PERCENT (g)	7.4%	28.8%	15%	41.7%
TERMINAL (d)	3/28 (11%)	4/9 (44%)	2/4 (50%)	1/2 (50%)
FIRST INCIDENCE	727 (T)	500	587	500
STATISTICAL TESTS				
POLY 3	P<0.001**	P=0.016*	P=0.284	P<0.001**
POLY 1.5	P=0.004**	P=0.029*	P=0.365	P=0.002**
POLY 6	P<0.001**	P=0.007**	P=0.191	P<0.001**
COCH-ARM / FISHERS	P=0.020*	P=0.061	P=0.500	P=0.011*
MAX-ISO-POLY-3	P<0.001**	P=0.014*	P=0.208	P<0.001**

TDMS No. 88148 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 04/15/2009
 Time Report Requested: 09:57:26
 First Dose M/F: 01/29/03 / 01/30/03
 Lab: BAT

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

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Liver				
Fatty Change Diffuse				
LESION RATES				
OVERALL (a)	3/50 (6%)	9/50 (18%)	18/50 (36%)	34/50 (68%)
POLY-3 RATE (b)	3/41.08	9/31.65	18/32.93	34/42.04
POLY-3 PERCENT (g)	7.3%	28.4%	54.7%	80.9%
TERMINAL (d)	2/28 (7%)	3/9 (33%)	2/4 (50%)	1/2 (50%)
FIRST INCIDENCE	639	514	115	274
STATISTICAL TESTS				
POLY 3	P<0.001**	P=0.017*	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P=0.029*	P<0.001**	P<0.001**
POLY 6	P<0.001**	P=0.008**	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.061	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P=0.014*	P<0.001**	P<0.001**

TDMS No. 88148 - 06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 04/15/2009
Time Report Requested: 09:57:26
First Dose M/F: 01/29/03 / 01/30/03
Lab: BAT

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

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Liver				
Fatty Change Focal				
LESION RATES				
OVERALL (a)	1/50 (2%)	2/50 (4%)	7/50 (14%)	3/50 (6%)
POLY-3 RATE (b)	1/41.41	2/29.77	7/28.61	3/24.75
POLY-3 PERCENT (g)	2.4%	6.7%	24.5%	12.1%
TERMINAL (d)	0/28 (0%)	0/9 (0%)	2/4 (50%)	1/2 (50%)
FIRST INCIDENCE	513	500	448	657
STATISTICAL TESTS				
POLY 3	P=0.113	P=0.388	P=0.006**	P=0.156
POLY 1.5	P=0.211	P=0.434	P=0.012*	P=0.210
POLY 6	P=0.033*	P=0.329	P=0.003**	P=0.101
COCH-ARM / FISHERS	P=0.384	P=0.500	P=0.030*	P=0.309
MAX-ISO-POLY-3	P=0.068	P=0.226	P=0.007**	P=0.105

TDMS No. 88148 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 04/15/2009
 Time Report Requested: 09:57:26
 First Dose M/F: 01/29/03 / 01/30/03
 Lab: BAT

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

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Liver				
Fibrosis				
LESION RATES				
OVERALL (a)	0/50 (0%)	1/50 (2%)	0/50 (0%)	4/50 (8%)
POLY-3 RATE (b)	0/40.76	1/28.95	0/25.86	4/26.82
POLY-3 PERCENT (g)	0%	3.5%	0%	14.9%
TERMINAL (d)	0/28 (0%)	0/9 (0%)	0/4 (0%)	0/2 (0%)
FIRST INCIDENCE	---	671	---	192
STATISTICAL TESTS				
POLY 3	P=0.004**	P=0.433	(e)	P=0.024*
POLY 1.5	P=0.006**	P=0.461	(e)	P=0.035*
POLY 6	P=0.002**	P=0.396	(e)	P=0.013*
COCH-ARM / FISHERS	P=0.010**	P=0.500	(e)	P=0.059
MAX-ISO-POLY-3	P=0.007**	P=0.158	(e)	P=0.017*

TDMS No. 88148 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 04/15/2009
 Time Report Requested: 09:57:26
 First Dose M/F: 01/29/03 / 01/30/03
 Lab: BAT

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

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Liver				
Hematopoietic Cell Proliferation				
LESION RATES				
OVERALL (a)	5/50 (10%)	40/50 (80%)	37/50 (74%)	30/50 (60%)
POLY-3 RATE (b)	5/43.53	40/44.79	37/43.45	30/39.22
POLY-3 PERCENT (g)	11.5%	89.3%	85.2%	76.5%
TERMINAL (d)	0/28 (0%)	9/9 (100%)	4/4 (100%)	2/2 (100%)
FIRST INCIDENCE	274	176	38	174
STATISTICAL TESTS				
POLY 3	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 6	P<0.001**	P<0.001**	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P=0.021*	P<0.001**	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P<0.001**	P<0.001**	P<0.001**

TDMS No. 88148 - 06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 04/15/2009
Time Report Requested: 09:57:26
First Dose M/F: 01/29/03 / 01/30/03
Lab: BAT

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

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Liver				
Hepatodiaphragmatic Nodule				
LESION RATES				
OVERALL (a)	0/50 (0%)	2/50 (4%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	0/40.76	2/29.44	1/26.28	0/24.26
POLY-3 PERCENT (g)	0%	6.8%	3.8%	0%
TERMINAL (d)	0/28 (0%)	0/9 (0%)	0/4 (0%)	0/2 (0%)
FIRST INCIDENCE	---	576	609	---
STATISTICAL TESTS				
POLY 3	P=0.554N	P=0.173	P=0.416	(e)
POLY 1.5	P=0.478N	P=0.197	P=0.449	(e)
POLY 6	P=0.661	P=0.144	P=0.373	(e)
COCH-ARM / FISHERS	P=0.383N	P=0.247	P=0.500	(e)
MAX-ISO-POLY-3	P=0.366	P=0.074	P=0.157	(e)

TDMS No. 88148 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 04/15/2009
 Time Report Requested: 09:57:26
 First Dose M/F: 01/29/03 / 01/30/03
 Lab: BAT

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

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Liver Hyperplasia				
LESION RATES				
OVERALL (a)	0/50 (0%)	1/50 (2%)	1/50 (2%)	3/50 (6%)
POLY-3 RATE (b)	0/40.76	1/28.95	1/26.40	3/25.83
POLY-3 PERCENT (g)	0%	3.5%	3.8%	11.6%
TERMINAL (d)	0/28 (0%)	0/9 (0%)	0/4 (0%)	0/2 (0%)
FIRST INCIDENCE	---	671	562	192
STATISTICAL TESTS				
POLY 3	P=0.028*	P=0.433	P=0.417	P=0.058
POLY 1.5	P=0.042*	P=0.461	P=0.449	P=0.079
POLY 6	P=0.015*	P=0.396	P=0.374	P=0.038*
COCH-ARM / FISHERS	P=0.066	P=0.500	P=0.500	P=0.121
MAX-ISO-POLY-3	P=0.041*	P=0.158	P=0.157	P=0.035*

TDMS No. 88148 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 3,3',4,4'-Tetrachloroazobenzene
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Date Report Requested: 04/15/2009
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 First Dose M/F: 01/29/03 / 01/30/03
 Lab: BAT

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

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Liver				
Inflammation Chronic				
LESION RATES				
OVERALL (a)	40/50 (80%)	37/50 (74%)	30/50 (60%)	28/50 (56%)
POLY-3 RATE (b)	40/46.38	37/42.73	30/40.30	28/37.83
POLY-3 PERCENT (g)	86.2%	86.6%	74.4%	74%
TERMINAL (d)	25/28 (89%)	8/9 (89%)	3/4 (75%)	2/2 (100%)
FIRST INCIDENCE	398	176	38	225
STATISTICAL TESTS				
POLY 3	P=0.051N	P=0.615	P=0.103N	P=0.097N
POLY 1.5	P=0.021N*	P=0.519N	P=0.047N*	P=0.035N*
POLY 6	P=0.189N	P=0.460	P=0.292N	P=0.334N
COCH-ARM / FISHERS	P=0.008N**	P=0.318N	P=0.024N*	P=0.009N**
MAX-ISO-POLY-3	P=0.081N	P=0.478	P=0.070N	P=0.070N

TDMS No. 88148 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 04/15/2009
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 First Dose M/F: 01/29/03 / 01/30/03
 Lab: BAT

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

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Liver				
Mixed Cell Focus				
LESION RATES				
OVERALL (a)	7/50 (14%)	3/50 (6%)	3/50 (6%)	1/50 (2%)
POLY-3 RATE (b)	7/41.12	3/29.75	3/26.53	1/24.57
POLY-3 PERCENT (g)	17%	10.1%	11.3%	4.1%
TERMINAL (d)	6/28 (21%)	0/9 (0%)	1/4 (25%)	0/2 (0%)
FIRST INCIDENCE	627	576	617	643
STATISTICAL TESTS				
POLY 3	P=0.110N	P=0.318N	P=0.388N	P=0.134N
POLY 1.5	P=0.072N	P=0.244N	P=0.283N	P=0.075N
POLY 6	P=0.214N	P=0.434N	P=0.546N	P=0.267N
COCH-ARM / FISHERS	P=0.048N*	P=0.159N	P=0.159N	P=0.030N*
MAX-ISO-POLY-3	P=0.158N	P=0.240N	P=0.301N	P=0.111N

TDMS No. 88148 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 04/15/2009
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 Lab: BAT

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

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Liver				
Necrosis				
LESION RATES				
OVERALL (a)	1/50 (2%)	7/50 (14%)	18/50 (36%)	21/50 (42%)
POLY-3 RATE (b)	1/40.84	7/31.96	18/34.81	21/34.62
POLY-3 PERCENT (g)	2.5%	21.9%	51.7%	60.7%
TERMINAL (d)	0/28 (0%)	0/9 (0%)	0/4 (0%)	1/2 (50%)
FIRST INCIDENCE	706	454	115	225
STATISTICAL TESTS				
POLY 3	P<0.001**	P=0.011*	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P=0.016*	P<0.001**	P<0.001**
POLY 6	P<0.001**	P=0.006**	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.030*	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P=0.008**	P<0.001**	P<0.001**

TDMS No. 88148 - 06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
3,3',4,4'-Tetrachloroazobenzene
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First Dose M/F: 01/29/03 / 01/30/03
Lab: BAT

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

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
<hr/>				
Liver				
Necrosis Focal				
<hr/>				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/40.76	0/28.74	0/25.86	0/24.26
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/28 (0%)	0/9 (0%)	0/4 (0%)	0/2 (0%)
FIRST INCIDENCE	---	---	---	---
<hr/>				
STATISTICAL TESTS				
POLY 3	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)

TDMS No. 88148 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 04/15/2009
 Time Report Requested: 09:57:26
 First Dose M/F: 01/29/03 / 01/30/03
 Lab: BAT

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

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Liver				
Pigmentation				
LESION RATES				
OVERALL (a)	1/50 (2%)	4/50 (8%)	5/50 (10%)	6/50 (12%)
POLY-3 RATE (b)	1/41.08	4/30.45	5/27.84	6/26.95
POLY-3 PERCENT (g)	2.4%	13.1%	18%	22.3%
TERMINAL (d)	0/28 (0%)	0/9 (0%)	0/4 (0%)	1/2 (50%)
FIRST INCIDENCE	639	504	487	387
STATISTICAL TESTS				
POLY 3	P=0.019*	P=0.102	P=0.037*	P=0.014*
POLY 1.5	P=0.041*	P=0.129	P=0.056	P=0.025*
POLY 6	P=0.005**	P=0.073	P=0.021*	P=0.005**
COCH-ARM / FISHERS	P=0.097	P=0.181	P=0.102	P=0.056
MAX-ISO-POLY-3	P=0.031*	P=0.063	P=0.029*	P=0.014*

TDMS No. 88148 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 04/15/2009
 Time Report Requested: 09:57:26
 First Dose M/F: 01/29/03 / 01/30/03
 Lab: BAT

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

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Liver				
Toxic Hepatopathy				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	5/50 (10%)	8/50 (16%)
POLY-3 RATE (b)	0/40.76	0/28.74	5/28.42	8/28.37
POLY-3 PERCENT (g)	0%	0%	17.6%	28.2%
TERMINAL (d)	0/28 (0%)	0/9 (0%)	0/4 (0%)	0/2 (0%)
FIRST INCIDENCE	---	---	448	476
STATISTICAL TESTS				
POLY 3	P<0.001**	(e)	P=0.010**	P<0.001**
POLY 1.5	P<0.001**	(e)	P=0.016*	P<0.001**
POLY 6	P<0.001**	(e)	P=0.006**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	(e)	P=0.028*	P=0.003**
MAX-ISO-POLY-3	P<0.001**	(e)	P=0.008**	P<0.001**

TDMS No. 88148 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 04/15/2009
 Time Report Requested: 09:57:26
 First Dose M/F: 01/29/03 / 01/30/03
 Lab: BAT

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

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Liver: Bile Duct Cyst				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	1/50 (2%)	4/50 (8%)
POLY-3 RATE (b)	0/40.76	0/28.74	1/25.98	4/25.32
POLY-3 PERCENT (g)	0%	0%	3.9%	15.8%
TERMINAL (d)	0/28 (0%)	0/9 (0%)	0/4 (0%)	1/2 (50%)
FIRST INCIDENCE	---	---	697	514
STATISTICAL TESTS				
POLY 3	P=0.002**	(e)	P=0.414	P=0.021*
POLY 1.5	P=0.003**	(e)	P=0.448	P=0.033*
POLY 6	P<0.001**	(e)	P=0.370	P=0.011*
COCH-ARM / FISHERS	P=0.005**	(e)	P=0.500	P=0.059
MAX-ISO-POLY-3	P=0.003**	(e)	P=0.157	P=0.017*

TDMS No. 88148 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 04/15/2009
 Time Report Requested: 09:57:26
 First Dose M/F: 01/29/03 / 01/30/03
 Lab: BAT

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

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Liver: Bile Duct Dilatation				
LESION RATES				
OVERALL (a)	0/50 (0%)	1/50 (2%)	3/50 (6%)	0/50 (0%)
POLY-3 RATE (b)	0/40.76	1/28.74	3/27.72	0/24.26
POLY-3 PERCENT (g)	0%	3.5%	10.8%	0%
TERMINAL (d)	0/28 (0%)	1/9 (11%)	0/4 (0%)	0/2 (0%)
FIRST INCIDENCE	---	727 (T)	448	---
STATISTICAL TESTS				
POLY 3	P=0.629	P=0.432	P=0.065	(e)
POLY 1.5	P=0.595N	P=0.460	P=0.082	(e)
POLY 6	P=0.444	P=0.393	P=0.047*	(e)
COCH-ARM / FISHERS	P=0.474N	P=0.500	P=0.121	(e)
MAX-ISO-POLY-3	P=0.251	P=0.157	P=0.036*	(e)

TDMS No. 88148 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 04/15/2009
 Time Report Requested: 09:57:26
 First Dose M/F: 01/29/03 / 01/30/03
 Lab: BAT

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

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Liver: Bile Duct Fibrosis				
LESION RATES				
OVERALL (a)	10/50 (20%)	3/50 (6%)	1/50 (2%)	3/50 (6%)
POLY-3 RATE (b)	10/41.51	3/29.18	1/26.28	3/25.44
POLY-3 PERCENT (g)	24.1%	10.3%	3.8%	11.8%
TERMINAL (d)	7/28 (25%)	1/9 (11%)	0/4 (0%)	0/2 (0%)
FIRST INCIDENCE	627	627	609	539
STATISTICAL TESTS				
POLY 3	P=0.146N	P=0.125N	P=0.033N*	P=0.189N
POLY 1.5	P=0.111N	P=0.075N	P=0.015N*	P=0.100N
POLY 6	P=0.251N	P=0.232N	P=0.091N	P=0.383N
COCH-ARM / FISHERS	P=0.097N	P=0.036N*	P=0.004N**	P=0.036N*
MAX-ISO-POLY-3	P=0.092N	P=0.103N	P=0.035N*	P=0.162N

TDMS No. 88148 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 04/15/2009
 Time Report Requested: 09:57:26
 First Dose M/F: 01/29/03 / 01/30/03
 Lab: BAT

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

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Liver: Bile Duct Hyperplasia				
LESION RATES				
OVERALL (a)	34/50 (68%)	38/50 (76%)	36/50 (72%)	29/50 (58%)
POLY-3 RATE (b)	34/44.85	38/44.23	36/40.36	29/37.51
POLY-3 PERCENT (g)	75.8%	85.9%	89.2%	77.3%
TERMINAL (d)	22/28 (79%)	6/9 (67%)	3/4 (75%)	1/2 (50%)
FIRST INCIDENCE	496	62	307	274
STATISTICAL TESTS				
POLY 3	P=0.436N	P=0.153	P=0.071	P=0.543
POLY 1.5	P=0.221N	P=0.178	P=0.124	P=0.481N
POLY 6	P=0.428	P=0.139	P=0.051	P=0.325
COCH-ARM / FISHERS	P=0.059N	P=0.252	P=0.414	P=0.204N
MAX-ISO-POLY-3	P=0.242	P=0.096	P=0.045*	P=0.433

TDMS No. 88148 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 04/15/2009
 Time Report Requested: 09:57:26
 First Dose M/F: 01/29/03 / 01/30/03
 Lab: BAT

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

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Liver: Centrilobular Degeneration				
LESION RATES				
OVERALL (a)	0/50 (0%)	10/50 (20%)	23/50 (46%)	24/50 (48%)
POLY-3 RATE (b)	0/40.76	10/33.74	23/36.56	24/37.22
POLY-3 PERCENT (g)	0%	29.6%	62.9%	64.5%
TERMINAL (d)	0/28 (0%)	0/9 (0%)	0/4 (0%)	0/2 (0%)
FIRST INCIDENCE	---	62	258	192
STATISTICAL TESTS				
POLY 3	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 6	P<0.001**	P<0.001**	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P<0.001**	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P<0.001**	P<0.001**	P<0.001**

TDMS No. 88148 - 06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 04/15/2009
Time Report Requested: 09:57:26
First Dose M/F: 01/29/03 / 01/30/03
Lab: BAT

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

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Liver: Hepatocyte Hypertrophy				
LESION RATES				
OVERALL (a)	0/50 (0%)	6/50 (12%)	11/50 (22%)	22/50 (44%)
POLY-3 RATE (b)	0/40.76	6/30.24	11/30.40	22/33.61
POLY-3 PERCENT (g)	0%	19.8%	36.2%	65.5%
TERMINAL (d)	0/28 (0%)	4/9 (44%)	3/4 (75%)	2/2 (100%)
FIRST INCIDENCE	---	62	115	274
STATISTICAL TESTS				
POLY 3	P<0.001**	P=0.005**	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P=0.008**	P<0.001**	P<0.001**
POLY 6	P<0.001**	P=0.002**	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.013*	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P=0.004**	P<0.001**	P<0.001**

TDMS No. 88148 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 04/15/2009
 Time Report Requested: 09:57:26
 First Dose M/F: 01/29/03 / 01/30/03
 Lab: BAT

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

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Liver: Hepatocyte Multinucleated				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	1/50 (2%)	3/50 (6%)
POLY-3 RATE (b)	0/40.76	0/28.74	1/25.86	3/25.85
POLY-3 PERCENT (g)	0%	0%	3.9%	11.6%
TERMINAL (d)	0/28 (0%)	0/9 (0%)	1/4 (25%)	0/2 (0%)
FIRST INCIDENCE	---	---	727 (T)	539
STATISTICAL TESTS				
POLY 3	P=0.010**	(e)	P=0.413	P=0.058
POLY 1.5	P=0.014*	(e)	P=0.447	P=0.078
POLY 6	P=0.006**	(e)	P=0.368	P=0.039*
COCH-ARM / FISHERS	P=0.022*	(e)	P=0.500	P=0.121
MAX-ISO-POLY-3	P=0.016*	(e)	P=0.157	P=0.035*

TDMS No. 88148 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 04/15/2009
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 First Dose M/F: 01/29/03 / 01/30/03
 Lab: BAT

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

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Liver: Oval Cell Hyperplasia				
LESION RATES				
OVERALL (a)	0/50 (0%)	4/50 (8%)	8/50 (16%)	5/50 (10%)
POLY-3 RATE (b)	0/40.76	4/29.78	8/28.69	5/26.38
POLY-3 PERCENT (g)	0%	13.4%	27.9%	19%
TERMINAL (d)	0/28 (0%)	1/9 (11%)	0/4 (0%)	0/2 (0%)
FIRST INCIDENCE	---	576	533	567
STATISTICAL TESTS				
POLY 3	P=0.025*	P=0.030*	P<0.001**	P=0.008**
POLY 1.5	P=0.062	P=0.040*	P<0.001**	P=0.014*
POLY 6	P=0.005**	P=0.020*	P<0.001**	P=0.004**
COCH-ARM / FISHERS	P=0.165	P=0.059	P=0.003**	P=0.028*
MAX-ISO-POLY-3	P=0.013*	P=0.018*	P<0.001**	P=0.008**

TDMS No. 88148 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 04/15/2009
 Time Report Requested: 09:57:26
 First Dose M/F: 01/29/03 / 01/30/03
 Lab: BAT

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

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Lung Congestion				
LESION RATES				
OVERALL (a)	1/50 (2%)	2/50 (4%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	1/41.41	2/29.59	0/25.86	0/24.26
POLY-3 PERCENT (g)	2.4%	6.8%	0%	0%
TERMINAL (d)	0/28 (0%)	0/9 (0%)	0/4 (0%)	0/2 (0%)
FIRST INCIDENCE	513	514	---	---
STATISTICAL TESTS				
POLY 3	P=0.320N	P=0.386	P=0.589N	P=0.600N
POLY 1.5	P=0.273N	P=0.432	P=0.554N	P=0.559N
POLY 6	P=0.407N	P=0.326	P=0.634N	P=0.653N
COCH-ARM / FISHERS	P=0.228N	P=0.500	P=0.500N	P=0.500N
MAX-ISO-POLY-3	P=0.322N	P=0.225	P=0.266N	P=0.279N

TDMS No. 88148 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 3,3',4,4'-Tetrachloroazobenzene
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Date Report Requested: 04/15/2009
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 Lab: BAT

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

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Lung				
Inflammation Chronic				
LESION RATES				
OVERALL (a)	6/50 (12%)	6/50 (12%)	6/50 (12%)	5/50 (10%)
POLY-3 RATE (b)	6/41.09	6/30.70	6/29.52	5/27.15
POLY-3 PERCENT (g)	14.6%	19.5%	20.3%	18.4%
TERMINAL (d)	4/28 (14%)	2/9 (22%)	0/4 (0%)	1/2 (50%)
FIRST INCIDENCE	650	500	295	281
STATISTICAL TESTS				
POLY 3	P=0.451	P=0.408	P=0.380	P=0.468
POLY 1.5	P=0.574N	P=0.497	P=0.474	P=0.590
POLY 6	P=0.249	P=0.292	P=0.260	P=0.297
COCH-ARM / FISHERS	P=0.432N	P=0.620N	P=0.620N	P=0.500N
MAX-ISO-POLY-3	P=0.527	P=0.314	P=0.295	P=0.364

TDMS No. 88148 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 04/15/2009
 Time Report Requested: 09:57:26
 First Dose M/F: 01/29/03 / 01/30/03
 Lab: BAT

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

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Lung				
Inflammation Granulomatous				
LESION RATES				
OVERALL (a)	7/50 (14%)	1/50 (2%)	2/50 (4%)	5/50 (10%)
POLY-3 RATE (b)	7/41.83	1/29.53	2/26.51	5/26.93
POLY-3 PERCENT (g)	16.7%	3.4%	7.5%	18.6%
TERMINAL (d)	4/28 (14%)	0/9 (0%)	0/4 (0%)	0/2 (0%)
FIRST INCIDENCE	549	427	617	365
STATISTICAL TESTS				
POLY 3	P=0.357	P=0.087N	P=0.243N	P=0.550
POLY 1.5	P=0.418	P=0.057N	P=0.162N	P=0.564N
POLY 6	P=0.245	P=0.151N	P=0.381N	P=0.359
COCH-ARM / FISHERS	P=0.473	P=0.030N*	P=0.080N	P=0.380N
MAX-ISO-POLY-3	P=0.303	P=0.066N	P=0.190N	P=0.435

TDMS No. 88148 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

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 First Dose M/F: 01/29/03 / 01/30/03
 Lab: BAT

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

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Lung Pigmentation				
LESION RATES				
OVERALL (a)	3/50 (6%)	16/50 (32%)	12/50 (24%)	16/50 (32%)
POLY-3 RATE (b)	3/40.76	16/33.07	12/30.25	16/31.03
POLY-3 PERCENT (g)	7.4%	48.4%	39.7%	51.6%
TERMINAL (d)	3/28 (11%)	5/9 (56%)	2/4 (50%)	1/2 (50%)
FIRST INCIDENCE	727 (T)	427	452	281
STATISTICAL TESTS				
POLY 3	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 1.5	P=0.004**	P<0.001**	P=0.002**	P<0.001**
POLY 6	P<0.001**	P<0.001**	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P=0.030*	P<0.001**	P=0.011*	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P<0.001**	P<0.001**	P<0.001**

TDMS No. 88148 - 06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 04/15/2009
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First Dose M/F: 01/29/03 / 01/30/03
Lab: BAT

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

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Lung: Alveolar Epithelium Hyperplasia				
LESION RATES				
OVERALL (a)	2/50 (4%)	3/50 (6%)	0/50 (0%)	2/50 (4%)
POLY-3 RATE (b)	2/40.76	3/28.95	0/25.86	2/24.74
POLY-3 PERCENT (g)	4.9%	10.4%	0%	8.1%
TERMINAL (d)	2/28 (7%)	2/9 (22%)	0/4 (0%)	1/2 (50%)
FIRST INCIDENCE	727 (T)	671	---	588
STATISTICAL TESTS				
POLY 3	P=0.531	P=0.349	P=0.349N	P=0.504
POLY 1.5	P=0.608	P=0.411	P=0.301N	P=0.587
POLY 6	P=0.398	P=0.270	P=0.422N	P=0.388
COCH-ARM / FISHERS	P=0.578N	P=0.500	P=0.247N	P=0.691N
MAX-ISO-POLY-3	P=0.525N	P=0.232	P=0.182N	P=0.342

TDMS No. 88148 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 04/15/2009
 Time Report Requested: 09:57:26
 First Dose M/F: 01/29/03 / 01/30/03
 Lab: BAT

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

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Lung: Alveolar Epithelium Metaplasia				
LESION RATES				
OVERALL (a)	0/50 (0%)	14/50 (28%)	22/50 (44%)	22/50 (44%)
POLY-3 RATE (b)	0/40.76	14/33.38	22/34.06	22/34.17
POLY-3 PERCENT (g)	0%	41.9%	64.6%	64.4%
TERMINAL (d)	0/28 (0%)	3/9 (33%)	2/4 (50%)	0/2 (0%)
FIRST INCIDENCE	---	427	367	192
STATISTICAL TESTS				
POLY 3	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 6	P<0.001**	P<0.001**	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P<0.001**	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P<0.001**	P<0.001**	P<0.001**

TDMS No. 88148 - 06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 04/15/2009
Time Report Requested: 09:57:26
First Dose M/F: 01/29/03 / 01/30/03
Lab: BAT

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

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Lung: Alveolar Epithelium Metaplasia Bronchiolar				
LESION RATES				
OVERALL (a)	1/50 (2%)	32/50 (64%)	32/50 (64%)	34/50 (68%)
POLY-3 RATE (b)	1/41.71	32/40.91	32/38.97	34/41.55
POLY-3 PERCENT (g)	2.4%	78.2%	82.1%	81.8%
TERMINAL (d)	0/28 (0%)	7/9 (78%)	4/4 (100%)	2/2 (100%)
FIRST INCIDENCE	274	176	115	192
STATISTICAL TESTS				
POLY 3	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 6	P<0.001**	P<0.001**	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P<0.001**	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P<0.001**	P<0.001**	P<0.001**

TDMS No. 88148 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 04/15/2009
 Time Report Requested: 09:57:26
 First Dose M/F: 01/29/03 / 01/30/03
 Lab: BAT

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

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Lung: Alveolus Infiltration Cellular Histiocyte				
LESION RATES				
OVERALL (a)	23/50 (46%)	34/50 (68%)	35/50 (70%)	35/50 (70%)
POLY-3 RATE (b)	23/44.19	34/41.87	35/42.03	35/40.79
POLY-3 PERCENT (g)	52.1%	81.2%	83.3%	85.8%
TERMINAL (d)	14/28 (50%)	7/9 (78%)	4/4 (100%)	2/2 (100%)
FIRST INCIDENCE	274	380	281	192
STATISTICAL TESTS				
POLY 3	P=0.002**	P=0.002**	P<0.001**	P<0.001**
POLY 1.5	P=0.008**	P=0.004**	P=0.002**	P<0.001**
POLY 6	P<0.001**	P<0.001**	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P=0.062	P=0.021*	P=0.013*	P=0.013*
MAX-ISO-POLY-3	P<0.001**	P<0.001**	P<0.001**	P<0.001**

TDMS No. 88148 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 04/15/2009
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 Lab: BAT

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

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Lymph Node, Mandibular Atrophy				
LESION RATES				
OVERALL (a)	5/49 (10%)	1/50 (2%)	0/49 (0%)	7/50 (14%)
POLY-3 RATE (b)	5/43.17	1/28.74	0/25.42	7/27.54
POLY-3 PERCENT (g)	11.6%	3.5%	0%	25.4%
TERMINAL (d)	0/28 (0%)	1/9 (11%)	0/4 (0%)	0/2 (0%)
FIRST INCIDENCE	274	727 (T)	---	192
STATISTICAL TESTS				
POLY 3	P=0.029*	P=0.226N	P=0.109N	P=0.126
POLY 1.5	P=0.041*	P=0.164N	P=0.068N	P=0.215
POLY 6	P=0.014*	P=0.328N	P=0.189N	P=0.055
COCH-ARM / FISHERS	P=0.056	P=0.098N	P=0.028N*	P=0.394
MAX-ISO-POLY-3	P=0.020*	P=0.161N	P=0.083N	P=0.111

TDMS No. 88148 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 04/15/2009
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 Lab: BAT

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

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Lymph Node, Mandibular Hyperplasia Lymphoid				
LESION RATES				
OVERALL (a)	2/49 (4%)	6/50 (12%)	1/49 (2%)	2/50 (4%)
POLY-3 RATE (b)	2/40.33	6/30.00	1/26.20	2/25.24
POLY-3 PERCENT (g)	5%	20%	3.8%	7.9%
TERMINAL (d)	2/28 (7%)	2/9 (22%)	0/4 (0%)	0/2 (0%)
FIRST INCIDENCE	727 (T)	499	438	503
STATISTICAL TESTS				
POLY 3	P=0.542N	P=0.057	P=0.643N	P=0.516
POLY 1.5	P=0.432N	P=0.085	P=0.588N	P=0.597
POLY 6	P=0.472	P=0.032*	P=0.712	P=0.403
COCH-ARM / FISHERS	P=0.311N	P=0.141	P=0.500N	P=0.684N
MAX-ISO-POLY-3	P=0.394	P=0.042*	P=0.428N	P=0.350

TDMS No. 88148 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 04/15/2009
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 First Dose M/F: 01/29/03 / 01/30/03
 Lab: BAT

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

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Lymph Node, Mandibular Necrosis				
LESION RATES				
OVERALL (a)	0/49 (0%)	0/50 (0%)	2/49 (4%)	0/50 (0%)
POLY-3 RATE (b)	0/40.33	0/28.74	2/26.47	0/24.26
POLY-3 PERCENT (g)	0%	0%	7.6%	0%
TERMINAL (d)	0/28 (0%)	0/9 (0%)	0/4 (0%)	0/2 (0%)
FIRST INCIDENCE	---	---	562	---
STATISTICAL TESTS				
POLY 3	P=0.627	(e)	P=0.158	(e)
POLY 1.5	P=0.708	(e)	P=0.185	(e)
POLY 6	P=0.485	(e)	P=0.128	(e)
COCH-ARM / FISHERS	P=0.672N	(e)	P=0.247	(e)
MAX-ISO-POLY-3	P=0.270	(e)	P=0.073	(e)

TDMS No. 88148 - 06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 04/15/2009
Time Report Requested: 09:57:26
First Dose M/F: 01/29/03 / 01/30/03
Lab: BAT

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

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Lymph Node, Mandibular Pigmentation				
LESION RATES				
OVERALL (a)	1/49 (2%)	0/50 (0%)	0/49 (0%)	2/50 (4%)
POLY-3 RATE (b)	1/40.33	0/28.74	0/25.42	2/26.06
POLY-3 PERCENT (g)	2.5%	0%	0%	7.7%
TERMINAL (d)	1/28 (4%)	0/9 (0%)	0/4 (0%)	0/2 (0%)
FIRST INCIDENCE	727 (T)	---	---	274
STATISTICAL TESTS				
POLY 3	P=0.155	P=0.566N	P=0.588N	P=0.355
POLY 1.5	P=0.173	P=0.537N	P=0.553N	P=0.419
POLY 6	P=0.125	P=0.605N	P=0.632N	P=0.272
COCH-ARM / FISHERS	P=0.189	P=0.495N	P=0.500N	P=0.508
MAX-ISO-POLY-3	P=0.125	P=0.239N	P=0.264N	P=0.214

TDMS No. 88148 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 04/15/2009
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 First Dose M/F: 01/29/03 / 01/30/03
 Lab: BAT

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

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Lymph Node, Mesenteric Atrophy				
LESION RATES				
OVERALL (a)	0/50 (0%)	1/48 (2%)	1/50 (2%)	5/50 (10%)
POLY-3 RATE (b)	0/40.76	1/28.11	1/26.28	5/26.39
POLY-3 PERCENT (g)	0%	3.6%	3.8%	19%
TERMINAL (d)	0/28 (0%)	0/9 (0%)	0/4 (0%)	0/2 (0%)
FIRST INCIDENCE	---	617	609	192
STATISTICAL TESTS				
POLY 3	P<0.001**	P=0.428	P=0.416	P=0.008**
POLY 1.5	P=0.002**	P=0.454	P=0.449	P=0.015*
POLY 6	P<0.001**	P=0.393	P=0.373	P=0.004**
COCH-ARM / FISHERS	P=0.006**	P=0.490	P=0.500	P=0.028*
MAX-ISO-POLY-3	P=0.002**	P=0.155	P=0.157	P=0.008**

TDMS No. 88148 - 06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
3,3',4,4'-Tetrachloroazobenzene
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First Dose M/F: 01/29/03 / 01/30/03
Lab: BAT

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

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Lymph Node, Mesenteric Atrophy Lymphoid				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/48 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/40.76	0/27.72	0/25.86	0/24.26
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/28 (0%)	0/9 (0%)	0/4 (0%)	0/2 (0%)
FIRST INCIDENCE	---	---	---	---
STATISTICAL TESTS				
POLY 3	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)

TDMS No. 88148 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 3,3',4,4'-Tetrachloroazobenzene
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 Lab: BAT

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

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Lymph Node, Mesenteric Hyperplasia Lymphoid				
LESION RATES				
OVERALL (a)	0/50 (0%)	2/48 (4%)	2/50 (4%)	0/50 (0%)
POLY-3 RATE (b)	0/40.76	2/28.20	2/27.64	0/24.26
POLY-3 PERCENT (g)	0%	7.1%	7.2%	0%
TERMINAL (d)	0/28 (0%)	0/9 (0%)	0/4 (0%)	0/2 (0%)
FIRST INCIDENCE	---	644	115	---
STATISTICAL TESTS				
POLY 3	P=0.578N	P=0.165	P=0.163	(e)
POLY 1.5	P=0.485N	P=0.189	P=0.191	(e)
POLY 6	P=0.564	P=0.138	P=0.130	(e)
COCH-ARM / FISHERS	P=0.369N	P=0.237	P=0.247	(e)
MAX-ISO-POLY-3	P=0.311	P=0.072	P=0.074	(e)

TDMS No. 88148 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 3,3',4,4'-Tetrachloroazobenzene
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 Lab: BAT

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

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Lymph Node, Mesenteric Pigmentation				
LESION RATES				
OVERALL (a)	1/50 (2%)	24/48 (50%)	25/50 (50%)	20/50 (40%)
POLY-3 RATE (b)	1/40.76	24/37.11	25/37.83	20/33.52
POLY-3 PERCENT (g)	2.5%	64.7%	66.1%	59.7%
TERMINAL (d)	1/28 (4%)	5/9 (56%)	1/4 (25%)	1/2 (50%)
FIRST INCIDENCE	727 (T)	380	258	365
STATISTICAL TESTS				
POLY 3	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 6	P<0.001**	P<0.001**	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P=0.032*	P<0.001**	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P<0.001**	P<0.001**	P<0.001**

TDMS No. 88148 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 3,3',4,4'-Tetrachloroazobenzene
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 Lab: BAT

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

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Lymph Node: Mediastinal Atrophy				
LESION RATES				
OVERALL (a)	2/38 (5%)	0/28 (0%)	0/29 (0%)	1/41 (2%)
POLY-3 RATE (b)	2/29.94	0/16.82	0/15.32	1/18.45
POLY-3 PERCENT (g)	6.7%	0%	0%	5.4%
TERMINAL (d)	1/18 (6%)	0/8 (0%)	0/2 (0%)	0/1 (0%)
FIRST INCIDENCE	496	---	---	648
STATISTICAL TESTS				
POLY 3	P=0.638N	P=0.376N	P=0.400N	P=0.658N
POLY 1.5	P=0.617N	P=0.350N	P=0.354N	P=0.583N
POLY 6	P=0.613	P=0.409N	P=0.471N	P=0.662
COCH-ARM / FISHERS	P=0.606N	P=0.328N	P=0.318N	P=0.471N
MAX-ISO-POLY-3	P=0.413N	P=0.190N	P=0.215N	P=0.444N

TDMS No. 88148 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 3,3',4,4'-Tetrachloroazobenzene
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 First Dose M/F: 01/29/03 / 01/30/03
 Lab: BAT

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

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Lymph Node: Mediastinal Hyperplasia Lymphoid				
LESION RATES				
OVERALL (a)	0/38 (0%)	1/28 (4%)	0/29 (0%)	3/41 (7%)
POLY-3 RATE (b)	0/29.26	1/17.39	0/15.32	3/19.71
POLY-3 PERCENT (g)	0%	5.8%	0%	15.2%
TERMINAL (d)	0/18 (0%)	0/8 (0%)	0/2 (0%)	0/1 (0%)
FIRST INCIDENCE	---	549	---	443
STATISTICAL TESTS				
POLY 3	P=0.031*	P=0.398	(e)	P=0.062
POLY 1.5	P=0.045*	P=0.411	(e)	P=0.085
POLY 6	P=0.018*	P=0.381	(e)	P=0.040*
COCH-ARM / FISHERS	P=0.071	P=0.424	(e)	P=0.135
MAX-ISO-POLY-3	P=0.036*	P=0.136	(e)	P=0.036*

TDMS No. 88148 - 06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
3,3',4,4'-Tetrachloroazobenzene
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Lab: BAT

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

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Mammary Gland				
Galactocele				
<hr/>				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/40.76	0/28.74	0/25.86	0/24.26
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/28 (0%)	0/9 (0%)	0/4 (0%)	0/2 (0%)
FIRST INCIDENCE	---	---	---	---
<hr/>				
STATISTICAL TESTS				
POLY 3	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)

TDMS No. 88148 - 06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
3,3',4,4'-Tetrachloroazobenzene
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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)
TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Mammary Gland Hyperplasia				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/40.76	0/28.74	0/25.86	0/24.26
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/28 (0%)	0/9 (0%)	0/4 (0%)	0/2 (0%)
FIRST INCIDENCE	---	---	---	---
STATISTICAL TESTS				
POLY 3	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)

TDMS No. 88148 - 06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 04/15/2009
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First Dose M/F: 01/29/03 / 01/30/03
Lab: BAT

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

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Mesentery: Fat Necrosis				
LESION RATES				
OVERALL (a)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/1 (0%)
POLY-3 RATE (b)	0/0.00	0/0.00	0/0.00	0/0.72
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	---
STATISTICAL TESTS				
POLY 3	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)

TDMS No. 88148 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

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 First Dose M/F: 01/29/03 / 01/30/03
 Lab: BAT

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

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Nose				
Foreign Body				
LESION RATES				
OVERALL (a)	2/50 (4%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	2/40.76	0/28.74	0/25.86	0/24.26
POLY-3 PERCENT (g)	4.9%	0%	0%	0%
TERMINAL (d)	2/28 (7%)	0/9 (0%)	0/4 (0%)	0/2 (0%)
FIRST INCIDENCE	727 (T)	---	---	---
STATISTICAL TESTS				
POLY 3	P=0.239N	P=0.322N	P=0.349N	P=0.366N
POLY 1.5	P=0.240N	P=0.284N	P=0.301N	P=0.307N
POLY 6	P=0.259N	P=0.380N	P=0.422N	P=0.456N
COCH-ARM / FISHERS	P=0.262N	P=0.247N	P=0.247N	P=0.247N
MAX-ISO-POLY-3	P=0.185N	P=0.156N	P=0.182N	P=0.197N

TDMS No. 88148 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 04/15/2009
 Time Report Requested: 09:57:26
 First Dose M/F: 01/29/03 / 01/30/03
 Lab: BAT

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

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Nose Inflammation				
LESION RATES				
OVERALL (a)	10/50 (20%)	5/50 (10%)	9/50 (18%)	9/50 (18%)
POLY-3 RATE (b)	10/42.97	5/30.68	9/30.59	9/28.82
POLY-3 PERCENT (g)	23.3%	16.3%	29.4%	31.2%
TERMINAL (d)	5/28 (18%)	2/9 (22%)	1/4 (25%)	0/2 (0%)
FIRST INCIDENCE	496	499	307	365
STATISTICAL TESTS				
POLY 3	P=0.195	P=0.333N	P=0.375	P=0.320
POLY 1.5	P=0.298	P=0.234N	P=0.501	P=0.475
POLY 6	P=0.079	P=0.495N	P=0.222	P=0.153
COCH-ARM / FISHERS	P=0.442	P=0.131N	P=0.500N	P=0.500N
MAX-ISO-POLY-3	P=0.294	P=0.266N	P=0.305	P=0.266

TDMS No. 88148 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 04/15/2009
 Time Report Requested: 09:57:26
 First Dose M/F: 01/29/03 / 01/30/03
 Lab: BAT

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

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Oral Mucosa: Gingival Hyperplasia				
LESION RATES				
OVERALL (a)	2/50 (4%)	21/50 (42%)	24/50 (48%)	31/50 (62%)
POLY-3 RATE (b)	2/40.76	21/36.26	24/36.03	31/38.82
POLY-3 PERCENT (g)	4.9%	57.9%	66.6%	79.9%
TERMINAL (d)	2/28 (7%)	3/9 (33%)	3/4 (75%)	1/2 (50%)
FIRST INCIDENCE	727 (T)	486	258	225
STATISTICAL TESTS				
POLY 3	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 6	P<0.001**	P<0.001**	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P<0.001**	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P<0.001**	P<0.001**	P<0.001**

TDMS No. 88148 - 06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 04/15/2009
Time Report Requested: 09:57:26
First Dose M/F: 01/29/03 / 01/30/03
Lab: BAT

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

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Oral Mucosa: Gingival Hyperplasia Cystic Keratinizing				
LESION RATES				
OVERALL (a)	0/50 (0%)	4/50 (8%)	18/50 (36%)	11/50 (22%)
POLY-3 RATE (b)	0/40.76	4/30.56	18/33.20	11/28.31
POLY-3 PERCENT (g)	0%	13.1%	54.2%	38.9%
TERMINAL (d)	0/28 (0%)	0/9 (0%)	0/4 (0%)	1/2 (50%)
FIRST INCIDENCE	---	521	448	484
STATISTICAL TESTS				
POLY 3	P<0.001**	P=0.031*	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P=0.041*	P<0.001**	P<0.001**
POLY 6	P<0.001**	P=0.022*	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P=0.008**	P=0.059	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P=0.018*	P<0.001**	P<0.001**

TDMS No. 88148 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 04/15/2009
 Time Report Requested: 09:57:26
 First Dose M/F: 01/29/03 / 01/30/03
 Lab: BAT

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

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Pancreas Atrophy				
LESION RATES				
OVERALL (a)	4/50 (8%)	13/49 (27%)	10/50 (20%)	10/50 (20%)
POLY-3 RATE (b)	4/40.97	13/33.17	10/30.42	10/27.50
POLY-3 PERCENT (g)	9.8%	39.2%	32.9%	36.4%
TERMINAL (d)	3/28 (11%)	3/9 (33%)	2/4 (50%)	1/2 (50%)
FIRST INCIDENCE	671	380	307	514
STATISTICAL TESTS				
POLY 3	P=0.044*	P=0.002**	P=0.015*	P=0.008**
POLY 1.5	P=0.123	P=0.005**	P=0.030*	P=0.022*
POLY 6	P=0.006**	P<0.001**	P=0.005**	P=0.002**
COCH-ARM / FISHERS	P=0.328	P=0.014*	P=0.074	P=0.074
MAX-ISO-POLY-3	P=0.027*	P=0.002**	P=0.015*	P=0.011*

TDMS No. 88148 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 04/15/2009
 Time Report Requested: 09:57:26
 First Dose M/F: 01/29/03 / 01/30/03
 Lab: BAT

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

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Pancreas Inflammation				
LESION RATES				
OVERALL (a)	1/50 (2%)	7/49 (14%)	7/50 (14%)	3/50 (6%)
POLY-3 RATE (b)	1/40.76	7/31.11	7/30.16	3/25.79
POLY-3 PERCENT (g)	2.5%	22.5%	23.2%	11.6%
TERMINAL (d)	1/28 (4%)	2/9 (22%)	0/4 (0%)	0/2 (0%)
FIRST INCIDENCE	727 (T)	467	448	499
STATISTICAL TESTS				
POLY 3	P=0.331	P=0.010**	P=0.008**	P=0.168
POLY 1.5	P=0.499	P=0.015*	P=0.014*	P=0.218
POLY 6	P=0.134	P=0.005**	P=0.004**	P=0.114
COCH-ARM / FISHERS	P=0.457N	P=0.028*	P=0.030*	P=0.309
MAX-ISO-POLY-3	P=0.083	P=0.007**	P=0.007**	P=0.109

TDMS No. 88148 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 04/15/2009
 Time Report Requested: 09:57:26
 First Dose M/F: 01/29/03 / 01/30/03
 Lab: BAT

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

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Pancreas: Acinus Hyperplasia				
LESION RATES				
OVERALL (a)	8/50 (16%)	2/49 (4%)	2/50 (4%)	0/50 (0%)
POLY-3 RATE (b)	8/41.49	2/28.72	2/26.47	0/24.26
POLY-3 PERCENT (g)	19.3%	7%	7.6%	0%
TERMINAL (d)	6/28 (21%)	0/9 (0%)	0/4 (0%)	0/2 (0%)
FIRST INCIDENCE	513	671	617	---
STATISTICAL TESTS				
POLY 3	P=0.019N*	P=0.139N	P=0.172N	P=0.033N*
POLY 1.5	P=0.012N*	P=0.092N	P=0.106N	P=0.013N*
POLY 6	P=0.046N*	P=0.228N	P=0.299N	P=0.098N
COCH-ARM / FISHERS	P=0.010N**	P=0.049N*	P=0.046N*	P=0.003N**
MAX-ISO-POLY-3	P=0.031N*	P=0.109N	P=0.141N	P=0.034N*

TDMS No. 88148 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 04/15/2009
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 First Dose M/F: 01/29/03 / 01/30/03
 Lab: BAT

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

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Pancreas: Acinus Vacuolization Cytoplasmic				
LESION RATES				
OVERALL (a)	0/50 (0%)	16/49 (33%)	30/50 (60%)	13/50 (26%)
POLY-3 RATE (b)	0/40.76	16/34.18	30/39.70	13/29.95
POLY-3 PERCENT (g)	0%	46.8%	75.6%	43.4%
TERMINAL (d)	0/28 (0%)	6/9 (67%)	4/4 (100%)	2/2 (100%)
FIRST INCIDENCE	---	176	38	192
STATISTICAL TESTS				
POLY 3	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 1.5	P=0.011*	P<0.001**	P<0.001**	P<0.001**
POLY 6	P<0.001**	P<0.001**	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P=0.158	P<0.001**	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P<0.001**	P<0.001**	P<0.001**

TDMS No. 88148 - 06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
3,3',4,4'-Tetrachloroazobenzene
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Lab: BAT

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

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Parathyroid Gland Hyperplasia				
LESION RATES				
OVERALL (a)	8/43 (19%)	9/48 (19%)	6/44 (14%)	2/44 (5%)
POLY-3 RATE (b)	8/37.23	9/31.01	6/25.67	2/22.66
POLY-3 PERCENT (g)	21.5%	29%	23.4%	8.8%
TERMINAL (d)	2/22 (9%)	2/9 (22%)	1/3 (33%)	0/2 (0%)
FIRST INCIDENCE	420	467	307	503
STATISTICAL TESTS				
POLY 3	P=0.121N	P=0.332	P=0.551	P=0.191N
POLY 1.5	P=0.059N	P=0.436	P=0.551N	P=0.107N
POLY 6	P=0.311N	P=0.217	P=0.369	P=0.360N
COCH-ARM / FISHERS	P=0.022N*	P=0.611N	P=0.368N	P=0.041N*
MAX-ISO-POLY-3	P=0.186N	P=0.260	P=0.440	P=0.158N

TDMS No. 88148 - 06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
3,3',4,4'-Tetrachloroazobenzene
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Lab: BAT

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

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Pituitary Gland Necrosis				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	2/49 (4%)
POLY-3 RATE (b)	0/40.76	0/28.74	0/25.86	2/25.11
POLY-3 PERCENT (g)	0%	0%	0%	8%
TERMINAL (d)	0/28 (0%)	0/9 (0%)	0/4 (0%)	0/2 (0%)
FIRST INCIDENCE	---	---	---	192
STATISTICAL TESTS				
POLY 3	P=0.026*	(e)	(e)	P=0.149
POLY 1.5	P=0.031*	(e)	(e)	P=0.180
POLY 6	P=0.020*	(e)	(e)	P=0.114
COCH-ARM / FISHERS	P=0.040*	(e)	(e)	P=0.242
MAX-ISO-POLY-3	P=0.032*	(e)	(e)	P=0.072

TDMS No. 88148 - 06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
3,3',4,4'-Tetrachloroazobenzene
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Lab: BAT

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

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

Pituitary Gland: Pars Distalis
Hyperplasia

LESION RATES

OVERALL (a)	18/50 (36%)	10/50 (20%)	13/50 (26%)	10/49 (20%)
POLY-3 RATE (b)	18/42.15	10/30.43	13/30.22	10/27.62
POLY-3 PERCENT (g)	42.7%	32.9%	43%	36.2%
TERMINAL (d)	14/28 (50%)	5/9 (56%)	2/4 (50%)	1/2 (50%)
FIRST INCIDENCE	549	541	474	503

STATISTICAL TESTS

POLY 3	P=0.420N	P=0.270N	P=0.586	P=0.385N
POLY 1.5	P=0.278N	P=0.151N	P=0.433N	P=0.212N
POLY 6	P=0.450	P=0.494N	P=0.369	P=0.547
COCH-ARM / FISHERS	P=0.155N	P=0.059N	P=0.194N	P=0.066N
MAX-ISO-POLY-3	P=0.501N	P=0.227N	P=0.490	P=0.323N

TDMS No. 88148 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 3,3',4,4'-Tetrachloroazobenzene
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 Lab: BAT

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

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Preputial Gland Hyperplasia				
LESION RATES				
OVERALL (a)	2/50 (4%)	3/50 (6%)	1/50 (2%)	4/49 (8%)
POLY-3 RATE (b)	2/40.80	3/29.11	1/26.60	4/24.68
POLY-3 PERCENT (g)	4.9%	10.3%	3.8%	16.2%
TERMINAL (d)	1/28 (4%)	1/9 (11%)	0/4 (0%)	1/2 (50%)
FIRST INCIDENCE	717	674	468	650
STATISTICAL TESTS				
POLY 3	P=0.124	P=0.351	P=0.642N	P=0.148
POLY 1.5	P=0.180	P=0.412	P=0.587N	P=0.215
POLY 6	P=0.061	P=0.274	P=0.712N	P=0.082
COCH-ARM / FISHERS	P=0.257	P=0.500	P=0.500N	P=0.329
MAX-ISO-POLY-3	P=0.150	P=0.233	P=0.427N	P=0.112

TDMS No. 88148 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 3,3',4,4'-Tetrachloroazobenzene
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 Lab: BAT

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

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Preputial Gland Inflammation				
LESION RATES				
OVERALL (a)	5/50 (10%)	0/50 (0%)	0/50 (0%)	1/49 (2%)
POLY-3 RATE (b)	5/41.48	0/28.74	0/25.86	1/24.66
POLY-3 PERCENT (g)	12.1%	0%	0%	4.1%
TERMINAL (d)	3/28 (11%)	0/9 (0%)	0/4 (0%)	0/2 (0%)
FIRST INCIDENCE	575	---	---	608
STATISTICAL TESTS				
POLY 3	P=0.208N	P=0.076N	P=0.096N	P=0.269N
POLY 1.5	P=0.198N	P=0.052N	P=0.062N	P=0.186N
POLY 6	P=0.258N	P=0.125N	P=0.169N	P=0.415N
COCH-ARM / FISHERS	P=0.218N	P=0.028N*	P=0.028N*	P=0.107N
MAX-ISO-POLY-3	P=0.085N	P=0.051N	P=0.071N	P=0.197N

TDMS No. 88148 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 3,3',4,4'-Tetrachloroazobenzene
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 Lab: BAT

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

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Prostate Inflammation				
LESION RATES				
OVERALL (a)	13/50 (26%)	12/50 (24%)	7/50 (14%)	16/50 (32%)
POLY-3 RATE (b)	13/44.58	12/32.97	7/29.17	16/31.23
POLY-3 PERCENT (g)	29.2%	36.4%	24%	51.2%
TERMINAL (d)	4/28 (14%)	1/9 (11%)	0/4 (0%)	0/2 (0%)
FIRST INCIDENCE	420	467	307	192
STATISTICAL TESTS				
POLY 3	P=0.032*	P=0.335	P=0.416N	P=0.042*
POLY 1.5	P=0.079	P=0.472	P=0.266N	P=0.116
POLY 6	P=0.006**	P=0.192	P=0.582	P=0.008**
COCH-ARM / FISHERS	P=0.181	P=0.500N	P=0.105N	P=0.330
MAX-ISO-POLY-3	P=0.051	P=0.278	P=0.344N	P=0.044*

TDMS No. 88148 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 04/15/2009
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 First Dose M/F: 01/29/03 / 01/30/03
 Lab: BAT

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

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Prostate: Epithelium Hyperplasia				
LESION RATES				
OVERALL (a)	12/50 (24%)	4/50 (8%)	3/50 (6%)	2/50 (4%)
POLY-3 RATE (b)	12/42.17	4/29.19	3/26.20	2/25.08
POLY-3 PERCENT (g)	28.5%	13.7%	11.5%	8%
TERMINAL (d)	7/28 (25%)	2/9 (22%)	1/4 (25%)	0/2 (0%)
FIRST INCIDENCE	496	626	653	585
STATISTICAL TESTS				
POLY 3	P=0.034N*	P=0.121N	P=0.094N	P=0.051N
POLY 1.5	P=0.019N*	P=0.066N	P=0.042N*	P=0.018N*
POLY 6	P=0.094N	P=0.248N	P=0.233N	P=0.165N
COCH-ARM / FISHERS	P=0.014N*	P=0.027N*	P=0.011N*	P=0.004N**
MAX-ISO-POLY-3	P=0.054N	P=0.105N	P=0.091N	P=0.055N

TDMS No. 88148 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 04/15/2009
 Time Report Requested: 09:57:26
 First Dose M/F: 01/29/03 / 01/30/03
 Lab: BAT

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

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Salivary Glands				
Atrophy				
LESION RATES				
OVERALL (a)	0/50 (0%)	1/50 (2%)	0/49 (0%)	3/50 (6%)
POLY-3 RATE (b)	0/40.76	1/28.85	0/25.42	3/25.43
POLY-3 PERCENT (g)	0%	3.5%	0%	11.8%
TERMINAL (d)	0/28 (0%)	0/9 (0%)	0/4 (0%)	0/2 (0%)
FIRST INCIDENCE	---	698	---	588
STATISTICAL TESTS				
POLY 3	P=0.019*	P=0.433	(e)	P=0.057
POLY 1.5	P=0.026*	P=0.461	(e)	P=0.077
POLY 6	P=0.011*	P=0.395	(e)	P=0.038*
COCH-ARM / FISHERS	P=0.041*	P=0.500	(e)	P=0.121
MAX-ISO-POLY-3	P=0.023*	P=0.157	(e)	P=0.035*

TDMS No. 88148 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 04/15/2009
 Time Report Requested: 09:57:26
 First Dose M/F: 01/29/03 / 01/30/03
 Lab: BAT

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

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Seminal Vesicle Hyperplasia				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	2/50 (4%)
POLY-3 RATE (b)	0/40.76	0/28.74	0/25.86	2/25.54
POLY-3 PERCENT (g)	0%	0%	0%	7.8%
TERMINAL (d)	0/28 (0%)	0/9 (0%)	0/4 (0%)	0/2 (0%)
FIRST INCIDENCE	---	---	---	225
STATISTICAL TESTS				
POLY 3	P=0.027*	(e)	(e)	P=0.151
POLY 1.5	P=0.033*	(e)	(e)	P=0.184
POLY 6	P=0.021*	(e)	(e)	P=0.115
COCH-ARM / FISHERS	P=0.042*	(e)	(e)	P=0.247
MAX-ISO-POLY-3	P=0.034*	(e)	(e)	P=0.073

TDMS No. 88148 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 04/15/2009
 Time Report Requested: 09:57:26
 First Dose M/F: 01/29/03 / 01/30/03
 Lab: BAT

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

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Seminal Vesicle Inflammation				
LESION RATES				
OVERALL (a)	0/50 (0%)	2/50 (4%)	1/50 (2%)	4/50 (8%)
POLY-3 RATE (b)	0/40.76	2/29.32	1/26.25	4/25.54
POLY-3 PERCENT (g)	0%	6.8%	3.8%	15.7%
TERMINAL (d)	0/28 (0%)	0/9 (0%)	0/4 (0%)	0/2 (0%)
FIRST INCIDENCE	---	602	617	603
STATISTICAL TESTS				
POLY 3	P=0.014*	P=0.172	P=0.416	P=0.021*
POLY 1.5	P=0.025*	P=0.197	P=0.449	P=0.033*
POLY 6	P=0.006**	P=0.143	P=0.373	P=0.012*
COCH-ARM / FISHERS	P=0.047*	P=0.247	P=0.500	P=0.059
MAX-ISO-POLY-3	P=0.020*	P=0.074	P=0.157	P=0.017*

TDMS No. 88148 - 06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 04/15/2009
Time Report Requested: 09:57:26
First Dose M/F: 01/29/03 / 01/30/03
Lab: BAT

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

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Seminal Vesicle Metaplasia				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	3/50 (6%)
POLY-3 RATE (b)	0/40.76	0/28.74	0/25.86	3/25.41
POLY-3 PERCENT (g)	0%	0%	0%	11.8%
TERMINAL (d)	0/28 (0%)	0/9 (0%)	0/4 (0%)	0/2 (0%)
FIRST INCIDENCE	---	---	---	603
STATISTICAL TESTS				
POLY 3	P=0.004**	(e)	(e)	P=0.057
POLY 1.5	P=0.006**	(e)	(e)	P=0.077
POLY 6	P=0.003**	(e)	(e)	P=0.038*
COCH-ARM / FISHERS	P=0.009**	(e)	(e)	P=0.121
MAX-ISO-POLY-3	P=0.007**	(e)	(e)	P=0.035*

TDMS No. 88148 - 06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 04/15/2009
Time Report Requested: 09:57:26
First Dose M/F: 01/29/03 / 01/30/03
Lab: BAT

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

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Skin				
Cyst Epithelial Inclusion				
LESION RATES				
OVERALL (a)	2/50 (4%)	3/50 (6%)	2/50 (4%)	4/50 (8%)
POLY-3 RATE (b)	2/40.97	3/29.16	2/26.71	4/26.53
POLY-3 PERCENT (g)	4.9%	10.3%	7.5%	15.1%
TERMINAL (d)	1/28 (4%)	1/9 (11%)	0/4 (0%)	0/2 (0%)
FIRST INCIDENCE	671	635	602	387
STATISTICAL TESTS				
POLY 3	P=0.145	P=0.350	P=0.531	P=0.168
POLY 1.5	P=0.204	P=0.411	P=0.598	P=0.230
POLY 6	P=0.077	P=0.272	P=0.440	P=0.103
COCH-ARM / FISHERS	P=0.289	P=0.500	P=0.691N	P=0.339
MAX-ISO-POLY-3	P=0.181	P=0.233	P=0.359	P=0.122

TDMS No. 88148 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 04/15/2009
 Time Report Requested: 09:57:26
 First Dose M/F: 01/29/03 / 01/30/03
 Lab: BAT

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

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Skin				
Hyperplasia				
LESION RATES				
OVERALL (a)	2/50 (4%)	0/50 (0%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	2/41.41	0/28.74	1/26.28	0/24.26
POLY-3 PERCENT (g)	4.8%	0%	3.8%	0%
TERMINAL (d)	1/28 (4%)	0/9 (0%)	0/4 (0%)	0/2 (0%)
FIRST INCIDENCE	513	---	609	---
STATISTICAL TESTS				
POLY 3	P=0.316N	P=0.326N	P=0.650N	P=0.370N
POLY 1.5	P=0.290N	P=0.287N	P=0.592N	P=0.310N
POLY 6	P=0.375N	P=0.386N	P=0.702	P=0.461N
COCH-ARM / FISHERS	P=0.276N	P=0.247N	P=0.500N	P=0.247N
MAX-ISO-POLY-3	P=0.270N	P=0.160N	P=0.435N	P=0.201N

TDMS No. 88148 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 04/15/2009
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 First Dose M/F: 01/29/03 / 01/30/03
 Lab: BAT

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

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Skin Inflammation				
LESION RATES				
OVERALL (a)	1/50 (2%)	1/50 (2%)	2/50 (4%)	2/50 (4%)
POLY-3 RATE (b)	1/41.41	1/28.82	2/27.01	2/25.47
POLY-3 PERCENT (g)	2.4%	3.5%	7.4%	7.9%
TERMINAL (d)	0/28 (0%)	0/9 (0%)	0/4 (0%)	0/2 (0%)
FIRST INCIDENCE	513	705	367	500
STATISTICAL TESTS				
POLY 3	P=0.240	P=0.674	P=0.358	P=0.341
POLY 1.5	P=0.306	P=0.712	P=0.413	P=0.405
POLY 6	P=0.155	P=0.616	P=0.288	P=0.262
COCH-ARM / FISHERS	P=0.395	P=0.753N	P=0.500	P=0.500
MAX-ISO-POLY-3	P=0.336	P=0.412	P=0.214	P=0.207

TDMS No. 88148 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 3,3',4,4'-Tetrachloroazobenzene
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 Lab: BAT

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

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Spleen				
Hematopoietic Cell Proliferation				
LESION RATES				
OVERALL (a)	38/50 (76%)	48/50 (96%)	44/50 (88%)	41/50 (82%)
POLY-3 RATE (b)	38/45.82	48/49.46	44/47.25	41/45.63
POLY-3 PERCENT (g)	82.9%	97%	93.1%	89.9%
TERMINAL (d)	26/28 (93%)	9/9 (100%)	4/4 (100%)	2/2 (100%)
FIRST INCIDENCE	274	62	38	174
STATISTICAL TESTS				
POLY 3	P=0.575	P=0.012*	P=0.089	P=0.226
POLY 1.5	P=0.530N	P=0.007**	P=0.079	P=0.258
POLY 6	P=0.440	P=0.021*	P=0.096	P=0.173
COCH-ARM / FISHERS	P=0.399N	P=0.004**	P=0.096	P=0.312
MAX-ISO-POLY-3	P=0.036*	P=0.005**	P=0.046*	P=0.136

TDMS No. 88148 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 3,3',4,4'-Tetrachloroazobenzene
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 Lab: BAT

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

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Spleen Pigmentation				
LESION RATES				
OVERALL (a)	38/50 (76%)	39/50 (78%)	40/50 (80%)	35/50 (70%)
POLY-3 RATE (b)	38/47.03	39/44.19	40/44.78	35/43.11
POLY-3 PERCENT (g)	80.8%	88.3%	89.3%	81.2%
TERMINAL (d)	22/28 (79%)	9/9 (100%)	4/4 (100%)	2/2 (100%)
FIRST INCIDENCE	398	176	115	174
STATISTICAL TESTS				
POLY 3	P=0.396N	P=0.224	P=0.175	P=0.596
POLY 1.5	P=0.283N	P=0.318	P=0.247	P=0.493N
POLY 6	P=0.576	P=0.130	P=0.101	P=0.405
COCH-ARM / FISHERS	P=0.204N	P=0.500	P=0.405	P=0.326N
MAX-ISO-POLY-3	P=0.345	P=0.147	P=0.110	P=0.479

TDMS No. 88148 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 3,3',4,4'-Tetrachloroazobenzene
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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Spleen: Lymphoid Follicle Atrophy				
LESION RATES				
OVERALL (a)	5/50 (10%)	4/50 (8%)	5/50 (10%)	12/50 (24%)
POLY-3 RATE (b)	5/42.74	4/30.91	5/28.98	12/29.66
POLY-3 PERCENT (g)	11.7%	12.9%	17.3%	40.5%
TERMINAL (d)	0/28 (0%)	0/9 (0%)	0/4 (0%)	0/2 (0%)
FIRST INCIDENCE	420	500	258	365
STATISTICAL TESTS				
POLY 3	P<0.001**	P=0.577	P=0.379	P=0.005**
POLY 1.5	P=0.002**	P=0.619N	P=0.480	P=0.013*
POLY 6	P<0.001**	P=0.469	P=0.251	P<0.001**
COCH-ARM / FISHERS	P=0.008**	P=0.500N	P=0.630N	P=0.054
MAX-ISO-POLY-3	P<0.001**	P=0.444	P=0.291	P=0.006**

TDMS No. 88148 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

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

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

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Stomach, Forestomach Cyst				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	0/40.76	0/28.74	0/25.86	1/24.89
POLY-3 PERCENT (g)	0%	0%	0%	4%
TERMINAL (d)	0/28 (0%)	0/9 (0%)	0/4 (0%)	0/2 (0%)
FIRST INCIDENCE	---	---	---	524
STATISTICAL TESTS				
POLY 3	P=0.172	(e)	(e)	P=0.406
POLY 1.5	P=0.192	(e)	(e)	P=0.445
POLY 6	P=0.145	(e)	(e)	P=0.356
COCH-ARM / FISHERS	P=0.221	(e)	(e)	P=0.500
MAX-ISO-POLY-3	P=0.125	(e)	(e)	P=0.157

TDMS No. 88148 - 06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
3,3',4,4'-Tetrachloroazobenzene
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Lab: BAT

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

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Stomach, Forestomach Inflammation				
LESION RATES				
OVERALL (a)	5/50 (10%)	2/50 (4%)	2/50 (4%)	3/50 (6%)
POLY-3 RATE (b)	5/42.41	2/29.69	2/26.49	3/25.63
POLY-3 PERCENT (g)	11.8%	6.7%	7.6%	11.7%
TERMINAL (d)	1/28 (4%)	0/9 (0%)	0/4 (0%)	0/2 (0%)
FIRST INCIDENCE	420	549	609	503
STATISTICAL TESTS				
POLY 3	P=0.556	P=0.382N	P=0.441N	P=0.639N
POLY 1.5	P=0.560N	P=0.308N	P=0.344N	P=0.522N
POLY 6	P=0.408	P=0.490N	P=0.575N	P=0.483
COCH-ARM / FISHERS	P=0.485N	P=0.218N	P=0.218N	P=0.357N
MAX-ISO-POLY-3	P=0.568N	P=0.275N	P=0.327N	P=0.496N

TDMS No. 88148 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 3,3',4,4'-Tetrachloroazobenzene
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 Lab: BAT

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

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Stomach, Forestomach Mineralization				
LESION RATES				
OVERALL (a)	2/50 (4%)	0/50 (0%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	2/41.61	0/28.74	1/26.25	0/24.26
POLY-3 PERCENT (g)	4.8%	0%	3.8%	0%
TERMINAL (d)	0/28 (0%)	0/9 (0%)	0/4 (0%)	0/2 (0%)
FIRST INCIDENCE	420	---	617	---
STATISTICAL TESTS				
POLY 3	P=0.316N	P=0.327N	P=0.651N	P=0.371N
POLY 1.5	P=0.290N	P=0.288N	P=0.594N	P=0.311N
POLY 6	P=0.376N	P=0.387N	P=0.701	P=0.462N
COCH-ARM / FISHERS	P=0.276N	P=0.247N	P=0.500N	P=0.247N
MAX-ISO-POLY-3	P=0.272N	P=0.161N	P=0.437N	P=0.202N

TDMS No. 88148 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 3,3',4,4'-Tetrachloroazobenzene
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 Lab: BAT

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

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Stomach, Forestomach Necrosis				
LESION RATES				
OVERALL (a)	0/50 (0%)	3/50 (6%)	1/50 (2%)	1/50 (2%)
POLY-3 RATE (b)	0/40.76	3/29.91	1/26.60	1/24.81
POLY-3 PERCENT (g)	0%	10%	3.8%	4%
TERMINAL (d)	0/28 (0%)	0/9 (0%)	0/4 (0%)	0/2 (0%)
FIRST INCIDENCE	---	549	468	560
STATISTICAL TESTS				
POLY 3	P=0.504	P=0.073	P=0.418	P=0.406
POLY 1.5	P=0.602	P=0.089	P=0.450	P=0.445
POLY 6	P=0.356	P=0.055	P=0.375	P=0.355
COCH-ARM / FISHERS	P=0.592N	P=0.121	P=0.500	P=0.500
MAX-ISO-POLY-3	P=0.261	P=0.036*	P=0.157	P=0.157

TDMS No. 88148 - 06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 04/15/2009
Time Report Requested: 09:57:26
First Dose M/F: 01/29/03 / 01/30/03
Lab: BAT

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

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Stomach, Forestomach: Epithelium Hyperplasia				
LESION RATES				
OVERALL (a)	8/50 (16%)	36/50 (72%)	44/50 (88%)	45/50 (90%)
POLY-3 RATE (b)	8/42.59	36/42.16	44/46.11	45/45.77
POLY-3 PERCENT (g)	18.8%	85.4%	95.4%	98.3%
TERMINAL (d)	3/28 (11%)	7/9 (78%)	4/4 (100%)	2/2 (100%)
FIRST INCIDENCE	420	62	115	225
STATISTICAL TESTS				
POLY 3	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 6	P<0.001**	P<0.001**	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P<0.001**	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P<0.001**	P<0.001**	P<0.001**

TDMS No. 88148 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 04/15/2009
 Time Report Requested: 09:57:26
 First Dose M/F: 01/29/03 / 01/30/03
 Lab: BAT

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

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Stomach, Glandular Inflammation				
LESION RATES				
OVERALL (a)	2/50 (4%)	0/50 (0%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	2/41.15	0/28.74	1/25.93	0/24.26
POLY-3 PERCENT (g)	4.9%	0%	3.9%	0%
TERMINAL (d)	1/28 (4%)	0/9 (0%)	0/4 (0%)	0/2 (0%)
FIRST INCIDENCE	617	---	712	---
STATISTICAL TESTS				
POLY 3	P=0.315N	P=0.324N	P=0.652N	P=0.368N
POLY 1.5	P=0.290N	P=0.285N	P=0.593N	P=0.309N
POLY 6	P=0.376N	P=0.384N	P=0.696	P=0.459N
COCH-ARM / FISHERS	P=0.276N	P=0.247N	P=0.500N	P=0.247N
MAX-ISO-POLY-3	P=0.268N	P=0.158N	P=0.437N	P=0.199N

TDMS No. 88148 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 04/15/2009
 Time Report Requested: 09:57:26
 First Dose M/F: 01/29/03 / 01/30/03
 Lab: BAT

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

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Stomach, Glandular Mineralization				
LESION RATES				
OVERALL (a)	3/50 (6%)	2/50 (4%)	2/50 (4%)	1/50 (2%)
POLY-3 RATE (b)	3/41.61	2/30.27	2/27.66	1/25.21
POLY-3 PERCENT (g)	7.2%	6.6%	7.2%	4%
TERMINAL (d)	1/28 (4%)	0/9 (0%)	0/4 (0%)	0/2 (0%)
FIRST INCIDENCE	420	380	307	274
STATISTICAL TESTS				
POLY 3	P=0.418N	P=0.641N	P=0.674	P=0.496N
POLY 1.5	P=0.346N	P=0.583N	P=0.608N	P=0.412N
POLY 6	P=0.549N	P=0.631	P=0.571	P=0.615N
COCH-ARM / FISHERS	P=0.274N	P=0.500N	P=0.500N	P=0.309N
MAX-ISO-POLY-3	P=0.534N	P=0.466N	P=0.498	P=0.336N

TDMS No. 88148 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

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 Lab: BAT

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

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Testes				
Necrosis				
LESION RATES				
OVERALL (a)	0/50 (0%)	2/50 (4%)	1/50 (2%)	3/50 (6%)
POLY-3 RATE (b)	0/40.76	2/29.69	1/26.80	3/26.29
POLY-3 PERCENT (g)	0%	6.7%	3.7%	11.4%
TERMINAL (d)	0/28 (0%)	0/9 (0%)	0/4 (0%)	0/2 (0%)
FIRST INCIDENCE	---	549	295	365
STATISTICAL TESTS				
POLY 3	P=0.058	P=0.174	P=0.419	P=0.060
POLY 1.5	P=0.085	P=0.198	P=0.452	P=0.080
POLY 6	P=0.031*	P=0.146	P=0.376	P=0.040*
COCH-ARM / FISHERS	P=0.133	P=0.247	P=0.500	P=0.121
MAX-ISO-POLY-3	P=0.059	P=0.074	P=0.157	P=0.035*

TDMS No. 88148 - 06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

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Lab: BAT

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

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Testes: Germinal Epithelium Degeneration				
LESION RATES				
OVERALL (a)	15/50 (30%)	16/50 (32%)	18/50 (36%)	21/50 (42%)
POLY-3 RATE (b)	15/43.46	16/33.01	18/33.49	21/33.58
POLY-3 PERCENT (g)	34.5%	48.5%	53.8%	62.5%
TERMINAL (d)	8/28 (29%)	4/9 (44%)	2/4 (50%)	2/2 (100%)
FIRST INCIDENCE	420	500	295	192
STATISTICAL TESTS				
POLY 3	P=0.010**	P=0.156	P=0.067	P=0.010**
POLY 1.5	P=0.034*	P=0.272	P=0.138	P=0.034*
POLY 6	P<0.001**	P=0.066	P=0.020*	P<0.001**
COCH-ARM / FISHERS	P=0.116	P=0.500	P=0.335	P=0.149
MAX-ISO-POLY-3	P=0.013*	P=0.133	P=0.060	P=0.011*

TDMS No. 88148 - 06
Test Type: CHRONIC
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Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 04/15/2009
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First Dose M/F: 01/29/03 / 01/30/03
Lab: BAT

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

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Testes: Germinal Epithelium Mineralization				
LESION RATES				
OVERALL (a)	3/50 (6%)	3/50 (6%)	3/50 (6%)	4/50 (8%)
POLY-3 RATE (b)	3/41.85	3/30.00	3/27.58	4/26.62
POLY-3 PERCENT (g)	7.2%	10%	10.9%	15%
TERMINAL (d)	1/28 (4%)	0/9 (0%)	0/4 (0%)	1/2 (50%)
FIRST INCIDENCE	420	549	295	274
STATISTICAL TESTS				
POLY 3	P=0.220	P=0.502	P=0.461	P=0.271
POLY 1.5	P=0.306	P=0.569	P=0.544	P=0.364
POLY 6	P=0.113	P=0.413	P=0.350	P=0.164
COCH-ARM / FISHERS	P=0.413	P=0.661N	P=0.661N	P=0.500
MAX-ISO-POLY-3	P=0.311	P=0.358	P=0.331	P=0.201

TDMS No. 88148 - 06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 04/15/2009
Time Report Requested: 09:57:26
First Dose M/F: 01/29/03 / 01/30/03
Lab: BAT

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

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Thymus Atrophy				
LESION RATES				
OVERALL (a)	45/48 (94%)	47/48 (98%)	44/46 (96%)	47/48 (98%)
POLY-3 RATE (b)	45/47.05	47/47.00	44/44.49	47/47.15
POLY-3 PERCENT (g)	95.6%	100%	98.9%	99.7%
TERMINAL (d)	24/26 (92%)	8/8 (100%)	4/4 (100%)	2/2 (100%)
FIRST INCIDENCE	398	176	115	174
STATISTICAL TESTS				
POLY 3	P=0.305	P=0.226	P=0.370	P=0.260
POLY 1.5	P=0.362	P=0.198	P=0.391	P=0.282
POLY 6	P=0.265	P=0.237	P=0.312	P=0.242
COCH-ARM / FISHERS	P=0.346	P=0.308	P=0.520	P=0.308
MAX-ISO-POLY-3	P=0.059	P=0.071	P=0.162	P=0.089

TDMS No. 88148 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 3,3',4,4'-Tetrachloroazobenzene
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 Lab: BAT

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

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Thyroid Gland Inflammation				
LESION RATES				
OVERALL (a)	0/50 (0%)	3/50 (6%)	9/50 (18%)	14/50 (28%)
POLY-3 RATE (b)	0/40.76	3/29.90	9/29.07	14/30.90
POLY-3 PERCENT (g)	0%	10%	31%	45.3%
TERMINAL (d)	0/28 (0%)	1/9 (11%)	3/4 (75%)	1/2 (50%)
FIRST INCIDENCE	---	332	281	274
STATISTICAL TESTS				
POLY 3	P<0.001**	P=0.073	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P=0.090	P<0.001**	P<0.001**
POLY 6	P<0.001**	P=0.054	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.121	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P=0.036*	P<0.001**	P<0.001**

TDMS No. 88148 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 3,3',4,4'-Tetrachloroazobenzene
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 Lab: BAT

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

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Thyroid Gland: C-Cell Hyperplasia				
LESION RATES				
OVERALL (a)	7/50 (14%)	1/50 (2%)	2/50 (4%)	1/50 (2%)
POLY-3 RATE (b)	7/41.29	1/28.88	2/26.67	1/24.49
POLY-3 PERCENT (g)	17%	3.5%	7.5%	4.1%
TERMINAL (d)	6/28 (21%)	0/9 (0%)	0/4 (0%)	0/2 (0%)
FIRST INCIDENCE	567	690	474	668
STATISTICAL TESTS				
POLY 3	P=0.114N	P=0.089N	P=0.233N	P=0.136N
POLY 1.5	P=0.088N	P=0.058N	P=0.157N	P=0.075N
POLY 6	P=0.190N	P=0.155N	P=0.369N	P=0.272N
COCH-ARM / FISHERS	P=0.076N	P=0.030N*	P=0.080N	P=0.030N*
MAX-ISO-POLY-3	P=0.122N	P=0.068N	P=0.181N	P=0.113N

TDMS No. 88148 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

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

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Thyroid Gland: Follicular Cell Hyperplasia				
LESION RATES				
OVERALL (a)	0/50 (0%)	2/50 (4%)	10/50 (20%)	12/50 (24%)
POLY-3 RATE (b)	0/40.76	2/29.00	10/29.42	12/29.86
POLY-3 PERCENT (g)	0%	6.9%	34%	40.2%
TERMINAL (d)	0/28 (0%)	1/9 (11%)	3/4 (75%)	1/2 (50%)
FIRST INCIDENCE	---	657	281	274
STATISTICAL TESTS				
POLY 3	P<0.001**	P=0.170	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P=0.196	P<0.001**	P<0.001**
POLY 6	P<0.001**	P=0.140	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.247	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P=0.074	P<0.001**	P<0.001**

TDMS No. 88148 - 06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
3,3',4,4'-Tetrachloroazobenzene
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Lab: BAT

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

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Thyroid Gland: Follicular Cell Hypertrophy				
LESION RATES				
OVERALL (a)	2/50 (4%)	2/50 (4%)	6/50 (12%)	6/50 (12%)
POLY-3 RATE (b)	2/40.93	2/30.07	6/28.91	6/26.21
POLY-3 PERCENT (g)	4.9%	6.7%	20.8%	22.9%
TERMINAL (d)	0/28 (0%)	0/9 (0%)	1/4 (25%)	1/2 (50%)
FIRST INCIDENCE	694	332	38	539
STATISTICAL TESTS				
POLY 3	P=0.017*	P=0.578	P=0.049*	P=0.036*
POLY 1.5	P=0.036*	P=0.629	P=0.075	P=0.065
POLY 6	P=0.004**	P=0.503	P=0.026*	P=0.015*
COCH-ARM / FISHERS	P=0.086	P=0.691N	P=0.134	P=0.134
MAX-ISO-POLY-3	P=0.027*	P=0.391	P=0.039*	P=0.034*

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 Species/Strain: RATS/SD

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

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Tooth: Peridental Tissue Inflammation				
LESION RATES				
OVERALL (a)	11/50 (22%)	12/50 (24%)	19/50 (38%)	16/50 (32%)
POLY-3 RATE (b)	11/41.49	12/33.92	19/33.20	16/31.72
POLY-3 PERCENT (g)	26.5%	35.4%	57.2%	50.5%
TERMINAL (d)	9/28 (32%)	0/9 (0%)	2/4 (50%)	1/2 (50%)
FIRST INCIDENCE	513	471	448	225
STATISTICAL TESTS				
POLY 3	P=0.023*	P=0.279	P=0.005**	P=0.027*
POLY 1.5	P=0.064	P=0.361	P=0.013*	P=0.066
POLY 6	P=0.004**	P=0.186	P<0.001**	P=0.007**
COCH-ARM / FISHERS	P=0.185	P=0.500	P=0.063	P=0.184
MAX-ISO-POLY-3	P=0.019*	P=0.222	P=0.005**	P=0.026*

TDMS No. 88148 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 3,3',4,4'-Tetrachloroazobenzene
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 Lab: BAT

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

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Ureter: Transitional Epithelium Hyperplasia				
LESION RATES				
OVERALL (a)	0/41 (0%)	0/31 (0%)	0/42 (0%)	3/49 (6%)
POLY-3 RATE (b)	0/33.21	0/18.43	0/21.86	3/25.26
POLY-3 PERCENT (g)	0%	0%	0%	11.9%
TERMINAL (d)	0/22 (0%)	0/6 (0%)	0/3 (0%)	0/2 (0%)
FIRST INCIDENCE	---	---	---	603
STATISTICAL TESTS				
POLY 3	P=0.010**	(e)	(e)	P=0.077
POLY 1.5	P=0.013*	(e)	(e)	P=0.104
POLY 6	P=0.006**	(e)	(e)	P=0.051
COCH-ARM / FISHERS	P=0.019*	(e)	(e)	P=0.157
MAX-ISO-POLY-3	P=0.016*	(e)	(e)	P=0.041*

TDMS No. 88148 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

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

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

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Urethra: Transitional Epithelium Hyperplasia				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	2/50 (4%)
POLY-3 RATE (b)	0/40.76	0/28.74	0/25.86	2/25.20
POLY-3 PERCENT (g)	0%	0%	0%	7.9%
TERMINAL (d)	0/28 (0%)	0/9 (0%)	0/4 (0%)	0/2 (0%)
FIRST INCIDENCE	---	---	---	514
STATISTICAL TESTS				
POLY 3	P=0.027*	(e)	(e)	P=0.150
POLY 1.5	P=0.032*	(e)	(e)	P=0.182
POLY 6	P=0.021*	(e)	(e)	P=0.115
COCH-ARM / FISHERS	P=0.042*	(e)	(e)	P=0.247
MAX-ISO-POLY-3	P=0.034*	(e)	(e)	P=0.073

TDMS No. 88148 - 06
 Test Type: CHRONIC
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 Species/Strain: RATS/SD

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

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

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Urinary Bladder Inflammation				
LESION RATES				
OVERALL (a)	1/50 (2%)	1/50 (2%)	2/50 (4%)	0/50 (0%)
POLY-3 RATE (b)	1/40.87	1/28.95	2/26.51	0/24.26
POLY-3 PERCENT (g)	2.5%	3.5%	7.5%	0%
TERMINAL (d)	0/28 (0%)	0/9 (0%)	0/4 (0%)	0/2 (0%)
FIRST INCIDENCE	700	671	617	---
STATISTICAL TESTS				
POLY 3	P=0.475N	P=0.678	P=0.356	P=0.598N
POLY 1.5	P=0.404N	P=0.715	P=0.411	P=0.557N
POLY 6	P=0.592N	P=0.623	P=0.288	P=0.651N
COCH-ARM / FISHERS	P=0.325N	P=0.753N	P=0.500	P=0.500N
MAX-ISO-POLY-3	P=0.381N	P=0.416	P=0.213	P=0.276N

TDMS No. 88148 - 06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 04/15/2009
Time Report Requested: 09:57:26
First Dose M/F: 01/29/03 / 01/30/03
Lab: BAT

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

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Adrenal Cortex Degeneration				
LESION RATES				
OVERALL (a)	13/50 (26%)	12/50 (24%)	17/50 (34%)	16/49 (33%)
POLY-3 RATE (b)	13/40.42	12/39.49	17/40.63	16/39.80
POLY-3 PERCENT (g)	32.2%	30.4%	41.8%	40.2%
TERMINAL (d)	7/25 (28%)	10/30 (33%)	7/19 (37%)	7/17 (41%)
FIRST INCIDENCE	587	460	273	551
STATISTICAL TESTS				
POLY 3	P=0.231	P=0.528N	P=0.246	P=0.299
POLY 1.5	P=0.245	P=0.529N	P=0.254	P=0.310
POLY 6	P=0.197	P=0.515N	P=0.226	P=0.271
COCH-ARM / FISHERS	P=0.230	P=0.500N	P=0.257	P=0.306
MAX-ISO-POLY-3	P=0.288	P=0.430N	P=0.179	P=0.223

TDMS No. 88148 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 04/15/2009
 Time Report Requested: 09:57:26
 First Dose M/F: 01/29/03 / 01/30/03
 Lab: BAT

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

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Adrenal Cortex Hypertrophy				
LESION RATES				
OVERALL (a)	41/50 (82%)	31/50 (62%)	30/50 (60%)	30/49 (61%)
POLY-3 RATE (b)	41/45.44	31/41.66	30/41.67	30/41.79
POLY-3 PERCENT (g)	90.2%	74.4%	72%	71.8%
TERMINAL (d)	23/25 (92%)	24/30 (80%)	16/19 (84%)	14/17 (82%)
FIRST INCIDENCE	483	460	525	551
STATISTICAL TESTS				
POLY 3	P=0.064N	P=0.032N*	P=0.015N*	P=0.014N*
POLY 1.5	P=0.059N	P=0.025N*	P=0.011N*	P=0.011N*
POLY 6	P=0.103N	P=0.047N*	P=0.032N*	P=0.030N*
COCH-ARM / FISHERS	P=0.100N	P=0.022N*	P=0.013N*	P=0.019N*
MAX-ISO-POLY-3	P=0.020N*	P=0.019N*	P=0.008N**	P=0.007N**

TDMS No. 88148 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

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 Lab: BAT

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

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Adrenal Cortex Necrosis				
LESION RATES				
OVERALL (a)	1/50 (2%)	0/50 (0%)	7/50 (14%)	5/49 (10%)
POLY-3 RATE (b)	1/39.25	0/38.12	7/39.98	5/40.52
POLY-3 PERCENT (g)	2.6%	0%	17.5%	12.3%
TERMINAL (d)	0/25 (0%)	0/30 (0%)	1/19 (5%)	0/17 (0%)
FIRST INCIDENCE	614	---	439	401
STATISTICAL TESTS				
POLY 3	P=0.059	P=0.506N	P=0.030*	P=0.107
POLY 1.5	P=0.057	P=0.506N	P=0.030*	P=0.105
POLY 6	P=0.054	P=0.502N	P=0.029*	P=0.105
COCH-ARM / FISHERS	P=0.049*	P=0.500N	P=0.030*	P=0.098
MAX-ISO-POLY-3	P=0.021*	P=0.165N	P=0.012*	P=0.050*

TDMS No. 88148 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

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

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

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Adrenal Cortex				
Vacuolization Cytoplasmic				
LESION RATES				
OVERALL (a)	7/50 (14%)	16/50 (32%)	13/50 (26%)	15/49 (31%)
POLY-3 RATE (b)	7/39.79	16/39.83	13/38.62	15/40.15
POLY-3 PERCENT (g)	17.6%	40.2%	33.7%	37.4%
TERMINAL (d)	4/25 (16%)	12/30 (40%)	7/19 (37%)	6/17 (35%)
FIRST INCIDENCE	587	510	460	467
STATISTICAL TESTS				
POLY 3	P=0.161	P=0.021*	P=0.080	P=0.037*
POLY 1.5	P=0.165	P=0.020*	P=0.090	P=0.039*
POLY 6	P=0.143	P=0.024*	P=0.066	P=0.033*
COCH-ARM / FISHERS	P=0.151	P=0.028*	P=0.105	P=0.040*
MAX-ISO-POLY-3	P=0.042*	P=0.011*	P=0.050*	P=0.022*

TDMS No. 88148 - 06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/SD

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

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

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Adrenal Cortex: Zona Fasciculata Hyperplasia				
LESION RATES				
OVERALL (a)	14/50 (28%)	20/50 (40%)	25/50 (50%)	21/49 (43%)
POLY-3 RATE (b)	14/39.99	20/40.38	25/40.93	21/39.21
POLY-3 PERCENT (g)	35%	49.5%	61.1%	53.6%
TERMINAL (d)	10/25 (40%)	14/30 (47%)	12/19 (63%)	12/17 (71%)
FIRST INCIDENCE	587	510	525	616
STATISTICAL TESTS				
POLY 3	P=0.146	P=0.131	P=0.012*	P=0.066
POLY 1.5	P=0.177	P=0.124	P=0.013*	P=0.079
POLY 6	P=0.094	P=0.159	P=0.011*	P=0.047*
COCH-ARM / FISHERS	P=0.185	P=0.146	P=0.020*	P=0.091
MAX-ISO-POLY-3	P=0.030*	P=0.089	P=0.007**	P=0.041*

TDMS No. 88148 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

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

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

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Adrenal Medulla Hyperplasia				
LESION RATES				
OVERALL (a)	11/50 (22%)	5/50 (10%)	3/50 (6%)	6/49 (12%)
POLY-3 RATE (b)	11/39.28	5/38.12	3/36.72	6/38.67
POLY-3 PERCENT (g)	28%	13.1%	8.2%	15.5%
TERMINAL (d)	9/25 (36%)	5/30 (17%)	3/19 (16%)	2/17 (12%)
FIRST INCIDENCE	660	727 (T)	727 (T)	558
STATISTICAL TESTS				
POLY 3	P=0.279N	P=0.087N	P=0.023N*	P=0.141N
POLY 1.5	P=0.280N	P=0.090N	P=0.021N*	P=0.142N
POLY 6	P=0.293N	P=0.078N	P=0.028N*	P=0.147N
COCH-ARM / FISHERS	P=0.307N	P=0.086N	P=0.020N*	P=0.154N
MAX-ISO-POLY-3	P=0.039N*	P=0.052N	P=0.013N*	P=0.088N

TDMS No. 88148 - 06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/SD

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3,3',4,4'-Tetrachloroazobenzene
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Date Report Requested: 04/15/2009
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Lab: BAT

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

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Blood Vessel Inflammation				
LESION RATES				
OVERALL (a)	1/50 (2%)	10/50 (20%)	14/50 (28%)	16/50 (32%)
POLY-3 RATE (b)	1/39.82	10/38.21	14/38.92	16/40.15
POLY-3 PERCENT (g)	2.5%	26.2%	36%	39.9%
TERMINAL (d)	0/25 (0%)	9/30 (30%)	6/19 (32%)	9/17 (53%)
FIRST INCIDENCE	232	705	525	378
STATISTICAL TESTS				
POLY 3	P<0.001**	P=0.003**	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P=0.003**	P<0.001**	P<0.001**
POLY 6	P<0.001**	P=0.003**	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P=0.002**	P=0.004**	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P<0.001**	P<0.001**	P<0.001**

TDMS No. 88148 - 06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/SD

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Lab: BAT

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

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Blood Vessel Mineralization				
LESION RATES				
OVERALL (a)	2/50 (4%)	1/50 (2%)	2/50 (4%)	1/50 (2%)
POLY-3 RATE (b)	2/39.93	1/38.87	2/37.39	1/37.97
POLY-3 PERCENT (g)	5%	2.6%	5.4%	2.6%
TERMINAL (d)	0/25 (0%)	0/30 (0%)	0/19 (0%)	0/17 (0%)
FIRST INCIDENCE	372	460	597	679
STATISTICAL TESTS				
POLY 3	P=0.491N	P=0.509N	P=0.671	P=0.518N
POLY 1.5	P=0.482N	P=0.511N	P=0.680	P=0.509N
POLY 6	P=0.512N	P=0.501N	P=0.658	P=0.532N
COCH-ARM / FISHERS	P=0.479N	P=0.500N	P=0.691N	P=0.500N
MAX-ISO-POLY-3	P=0.478N	P=0.290N	P=0.473	P=0.299N

TDMS No. 88148 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

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

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Bone Marrow Atrophy				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	0/38.86	0/38.12	0/36.72	1/37.92
POLY-3 PERCENT (g)	0%	0%	0%	2.6%
TERMINAL (d)	0/25 (0%)	0/30 (0%)	0/19 (0%)	0/17 (0%)
FIRST INCIDENCE	---	---	---	693
STATISTICAL TESTS				
POLY 3	P=0.218	(e)	(e)	P=0.495
POLY 1.5	P=0.221	(e)	(e)	P=0.498
POLY 6	P=0.212	(e)	(e)	P=0.489
COCH-ARM / FISHERS	P=0.221	(e)	(e)	P=0.500
MAX-ISO-POLY-3	P=0.126	(e)	(e)	P=0.158

TDMS No. 88148 - 06
 Test Type: CHRONIC
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P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
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 Lab: BAT

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

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Bone Marrow Hyperplasia				
LESION RATES				
OVERALL (a)	36/50 (72%)	41/50 (82%)	40/50 (80%)	45/50 (90%)
POLY-3 RATE (b)	36/48.91	41/48.75	40/45.74	45/47.86
POLY-3 PERCENT (g)	73.6%	84.1%	87.5%	94%
TERMINAL (d)	15/25 (60%)	23/30 (77%)	16/19 (84%)	17/17 (100%)
FIRST INCIDENCE	232	153	273	314
STATISTICAL TESTS				
POLY 3	P=0.007**	P=0.150	P=0.068	P=0.005**
POLY 1.5	P=0.013*	P=0.155	P=0.112	P=0.008**
POLY 6	P=0.003**	P=0.149	P=0.038*	P=0.002**
COCH-ARM / FISHERS	P=0.031*	P=0.171	P=0.241	P=0.020*
MAX-ISO-POLY-3	P=0.003**	P=0.100	P=0.043*	P=0.002**

TDMS No. 88148 - 06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/SD

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Lab: BAT

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

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Brain				
Gliososis				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/38.86	0/38.12	0/36.72	0/37.78
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/25 (0%)	0/30 (0%)	0/19 (0%)	0/17 (0%)
FIRST INCIDENCE	---	---	---	---
STATISTICAL TESTS				
POLY 3	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)

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

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Brain Hemorrhage				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	2/50 (4%)	0/50 (0%)
POLY-3 RATE (b)	0/38.86	0/38.12	2/37.99	0/37.78
POLY-3 PERCENT (g)	0%	0%	5.3%	0%
TERMINAL (d)	0/25 (0%)	0/30 (0%)	0/19 (0%)	0/17 (0%)
FIRST INCIDENCE	---	---	439	---
STATISTICAL TESTS				
POLY 3	P=0.683N	(e)	P=0.231	(e)
POLY 1.5	P=0.677N	(e)	P=0.234	(e)
POLY 6	P=0.699N	(e)	P=0.226	(e)
COCH-ARM / FISHERS	P=0.675N	(e)	P=0.247	(e)
MAX-ISO-POLY-3	P=0.254	(e)	P=0.075	(e)

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 Test Type: CHRONIC
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 Lab: BAT

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

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Brain				
Necrosis				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	0/38.86	0/38.12	0/36.72	1/37.78
POLY-3 PERCENT (g)	0%	0%	0%	2.7%
TERMINAL (d)	0/25 (0%)	0/30 (0%)	0/19 (0%)	1/17 (6%)
FIRST INCIDENCE	---	---	---	727 (T)
STATISTICAL TESTS				
POLY 3	P=0.218	(e)	(e)	P=0.494
POLY 1.5	P=0.221	(e)	(e)	P=0.498
POLY 6	P=0.210	(e)	(e)	P=0.487
COCH-ARM / FISHERS	P=0.221	(e)	(e)	P=0.500
MAX-ISO-POLY-3	P=0.126	(e)	(e)	P=0.158

TDMS No. 88148 - 06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/SD

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

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

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Clitoral Gland Cyst				
LESION RATES				
OVERALL (a)	5/50 (10%)	1/50 (2%)	6/50 (12%)	0/50 (0%)
POLY-3 RATE (b)	5/40.11	1/38.12	6/37.59	0/37.78
POLY-3 PERCENT (g)	12.5%	2.6%	16%	0%
TERMINAL (d)	1/25 (4%)	1/30 (3%)	4/19 (21%)	0/17 (0%)
FIRST INCIDENCE	540	727 (T)	587	---
STATISTICAL TESTS				
POLY 3	P=0.069N	P=0.111N	P=0.454	P=0.035N*
POLY 1.5	P=0.064N	P=0.110N	P=0.475	P=0.032N*
POLY 6	P=0.083N	P=0.110N	P=0.419	P=0.040N*
COCH-ARM / FISHERS	P=0.069N	P=0.102N	P=0.500	P=0.028N*
MAX-ISO-POLY-3	P=0.033N*	P=0.054N	P=0.334	P=0.013N*

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 Test Type: CHRONIC
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 Lab: BAT

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

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Clitoral Gland Hyperplasia				
LESION RATES				
OVERALL (a)	0/50 (0%)	1/50 (2%)	3/50 (6%)	0/50 (0%)
POLY-3 RATE (b)	0/38.86	1/38.12	3/37.41	0/37.78
POLY-3 PERCENT (g)	0%	2.6%	8%	0%
TERMINAL (d)	0/25 (0%)	1/30 (3%)	0/19 (0%)	0/17 (0%)
FIRST INCIDENCE	---	727 (T)	587	---
STATISTICAL TESTS				
POLY 3	P=0.486N	P=0.496	P=0.111	(e)
POLY 1.5	P=0.476N	P=0.495	P=0.114	(e)
POLY 6	P=0.506N	P=0.502	P=0.106	(e)
COCH-ARM / FISHERS	P=0.474N	P=0.500	P=0.121	(e)
MAX-ISO-POLY-3	P=0.224	P=0.158	P=0.037*	(e)

TDMS No. 88148 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 3,3',4,4'-Tetrachloroazobenzene
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 Lab: BAT

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

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Clitoral Gland Inflammation				
LESION RATES				
OVERALL (a)	3/50 (6%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	3/40.22	0/38.12	0/36.72	0/37.78
POLY-3 PERCENT (g)	7.5%	0%	0%	0%
TERMINAL (d)	0/25 (0%)	0/30 (0%)	0/19 (0%)	0/17 (0%)
FIRST INCIDENCE	504	---	---	---
STATISTICAL TESTS				
POLY 3	P=0.138N	P=0.128N	P=0.135N	P=0.129N
POLY 1.5	P=0.138N	P=0.126N	P=0.128N	P=0.124N
POLY 6	P=0.141N	P=0.126N	P=0.147N	P=0.139N
COCH-ARM / FISHERS	P=0.149N	P=0.121N	P=0.121N	P=0.121N
MAX-ISO-POLY-3	P=0.015N*	P=0.046N*	P=0.052N	P=0.047N*

TDMS No. 88148 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 04/15/2009
 Time Report Requested: 09:57:26
 First Dose M/F: 01/29/03 / 01/30/03
 Lab: BAT

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

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Coagulating Gland Inflammation				
LESION RATES				
OVERALL (a)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
POLY-3 RATE (b)	0/0.00	0/0.00	0/0.00	0/0.00
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	---
STATISTICAL TESTS				
POLY 3	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)

TDMS No. 88148 - 06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

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Lab: BAT

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

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Eye: Anterior Chamber Inflammation				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	0/38.86	0/38.12	1/37.19	0/37.78
POLY-3 PERCENT (g)	0%	0%	2.7%	0%
TERMINAL (d)	0/25 (0%)	0/30 (0%)	0/19 (0%)	0/17 (0%)
FIRST INCIDENCE	---	---	587	---
STATISTICAL TESTS				
POLY 3	P=0.782N	(e)	P=0.491	(e)
POLY 1.5	P=0.779N	(e)	P=0.495	(e)
POLY 6	P=0.790N	(e)	P=0.485	(e)
COCH-ARM / FISHERS	P=0.779N	(e)	P=0.500	(e)
MAX-ISO-POLY-3	P=0.386	(e)	P=0.158	(e)

TDMS No. 88148 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 04/15/2009
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 Lab: BAT

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

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Eye: Cornea Inflammation				
LESION RATES				
OVERALL (a)	2/50 (4%)	0/50 (0%)	0/50 (0%)	2/50 (4%)
POLY-3 RATE (b)	2/39.19	0/38.12	0/36.72	2/38.02
POLY-3 PERCENT (g)	5.1%	0%	0%	5.3%
TERMINAL (d)	1/25 (4%)	0/30 (0%)	0/19 (0%)	0/17 (0%)
FIRST INCIDENCE	636	---	---	671
STATISTICAL TESTS				
POLY 3	P=0.374	P=0.243N	P=0.251N	P=0.684
POLY 1.5	P=0.378	P=0.243N	P=0.245N	P=0.690
POLY 6	P=0.361	P=0.238N	P=0.263N	P=0.672
COCH-ARM / FISHERS	P=0.373	P=0.247N	P=0.247N	P=0.691N
MAX-ISO-POLY-3	P=0.275	P=0.081N	P=0.090N	P=0.487

TDMS No. 88148 - 06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

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Lab: BAT

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

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Eye: Retina Degeneration				
LESION RATES				
OVERALL (a)	1/50 (2%)	0/50 (0%)	4/50 (8%)	1/50 (2%)
POLY-3 RATE (b)	1/38.86	0/38.12	4/37.34	1/37.78
POLY-3 PERCENT (g)	2.6%	0%	10.7%	2.7%
TERMINAL (d)	1/25 (4%)	0/30 (0%)	3/19 (16%)	1/17 (6%)
FIRST INCIDENCE	727 (T)	---	525	727 (T)
STATISTICAL TESTS				
POLY 3	P=0.594	P=0.504N	P=0.165	P=0.755
POLY 1.5	P=0.606	P=0.505N	P=0.171	P=0.758
POLY 6	P=0.564	P=0.498N	P=0.154	P=0.748
COCH-ARM / FISHERS	P=0.605	P=0.500N	P=0.181	P=0.753N
MAX-ISO-POLY-3	P=0.185	P=0.163N	P=0.079	P=0.491

TDMS No. 88148 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

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 Lab: BAT

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

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Heart				
Cardiomyopathy				
LESION RATES				
OVERALL (a)	12/50 (24%)	16/50 (32%)	13/49 (27%)	24/49 (49%)
POLY-3 RATE (b)	12/39.95	16/38.81	13/40.40	24/44.73
POLY-3 PERCENT (g)	30%	41.2%	32.2%	53.7%
TERMINAL (d)	9/25 (36%)	13/30 (43%)	2/19 (11%)	6/17 (35%)
FIRST INCIDENCE	372	544	540	378
STATISTICAL TESTS				
POLY 3	P=0.015*	P=0.206	P=0.514	P=0.020*
POLY 1.5	P=0.010**	P=0.209	P=0.493	P=0.014*
POLY 6	P=0.021*	P=0.228	P=0.545	P=0.028*
COCH-ARM / FISHERS	P=0.005**	P=0.252	P=0.477	P=0.009**
MAX-ISO-POLY-3	P=0.022*	P=0.147	P=0.416	P=0.015*

TDMS No. 88148 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 04/15/2009
 Time Report Requested: 09:57:26
 First Dose M/F: 01/29/03 / 01/30/03
 Lab: BAT

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

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Heart Inflammation				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	1/49 (2%)	1/49 (2%)
POLY-3 RATE (b)	0/38.86	0/38.12	1/36.90	1/37.85
POLY-3 PERCENT (g)	0%	0%	2.7%	2.6%
TERMINAL (d)	0/25 (0%)	0/30 (0%)	0/19 (0%)	0/17 (0%)
FIRST INCIDENCE	---	---	634	689
STATISTICAL TESTS				
POLY 3	P=0.321	(e)	P=0.490	P=0.495
POLY 1.5	P=0.326	(e)	P=0.493	P=0.497
POLY 6	P=0.307	(e)	P=0.484	P=0.489
COCH-ARM / FISHERS	P=0.320	(e)	P=0.495	P=0.495
MAX-ISO-POLY-3	P=0.250	(e)	P=0.157	P=0.157

TDMS No. 88148 - 06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 04/15/2009
Time Report Requested: 09:57:26
First Dose M/F: 01/29/03 / 01/30/03
Lab: BAT

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

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Heart Mineralization				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	1/49 (2%)	0/49 (0%)
POLY-3 RATE (b)	0/38.86	0/38.12	1/37.01	0/37.70
POLY-3 PERCENT (g)	0%	0%	2.7%	0%
TERMINAL (d)	0/25 (0%)	0/30 (0%)	0/19 (0%)	0/17 (0%)
FIRST INCIDENCE	---	---	597	---
STATISTICAL TESTS				
POLY 3	P=0.782N	(e)	P=0.490	(e)
POLY 1.5	P=0.780N	(e)	P=0.493	(e)
POLY 6	P=0.789N	(e)	P=0.484	(e)
COCH-ARM / FISHERS	P=0.782N	(e)	P=0.495	(e)
MAX-ISO-POLY-3	P=0.384	(e)	P=0.157	(e)

TDMS No. 88148 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 04/15/2009
 Time Report Requested: 09:57:26
 First Dose M/F: 01/29/03 / 01/30/03
 Lab: BAT

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

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Heart Necrosis				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	1/49 (2%)	1/49 (2%)
POLY-3 RATE (b)	0/38.86	0/38.12	1/36.90	1/37.85
POLY-3 PERCENT (g)	0%	0%	2.7%	2.6%
TERMINAL (d)	0/25 (0%)	0/30 (0%)	0/19 (0%)	0/17 (0%)
FIRST INCIDENCE	---	---	634	689
STATISTICAL TESTS				
POLY 3	P=0.321	(e)	P=0.490	P=0.495
POLY 1.5	P=0.326	(e)	P=0.493	P=0.497
POLY 6	P=0.307	(e)	P=0.484	P=0.489
COCH-ARM / FISHERS	P=0.320	(e)	P=0.495	P=0.495
MAX-ISO-POLY-3	P=0.250	(e)	P=0.157	P=0.157

TDMS No. 88148 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 3,3',4,4'-Tetrachloroazobenzene
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 Lab: BAT

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

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Heart				
Thrombosis				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	1/49 (2%)	3/49 (6%)
POLY-3 RATE (b)	0/38.86	0/38.12	1/36.90	3/38.45
POLY-3 PERCENT (g)	0%	0%	2.7%	7.8%
TERMINAL (d)	0/25 (0%)	0/30 (0%)	0/19 (0%)	0/17 (0%)
FIRST INCIDENCE	---	---	634	590
STATISTICAL TESTS				
POLY 3	P=0.021*	(e)	P=0.490	P=0.116
POLY 1.5	P=0.022*	(e)	P=0.493	P=0.117
POLY 6	P=0.020*	(e)	P=0.484	P=0.112
COCH-ARM / FISHERS	P=0.021*	(e)	P=0.495	P=0.117
MAX-ISO-POLY-3	P=0.024*	(e)	P=0.157	P=0.037*

TDMS No. 88148 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 3,3',4,4'-Tetrachloroazobenzene
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 Lab: BAT

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

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Heart: Endocardium Hyperplasia				
LESION RATES				
OVERALL (a)	2/50 (4%)	0/50 (0%)	0/49 (0%)	0/49 (0%)
POLY-3 RATE (b)	2/39.45	0/38.12	0/36.56	0/37.70
POLY-3 PERCENT (g)	5.1%	0%	0%	0%
TERMINAL (d)	1/25 (4%)	0/30 (0%)	0/19 (0%)	0/17 (0%)
FIRST INCIDENCE	540	---	---	---
STATISTICAL TESTS				
POLY 3	P=0.257N	P=0.244N	P=0.254N	P=0.247N
POLY 1.5	P=0.257N	P=0.244N	P=0.248N	P=0.243N
POLY 6	P=0.261N	P=0.239N	P=0.265N	P=0.256N
COCH-ARM / FISHERS	P=0.265N	P=0.247N	P=0.253N	P=0.253N
MAX-ISO-POLY-3	P=0.042N*	P=0.083N	P=0.091N	P=0.084N

TDMS No. 88148 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

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 Lab: BAT

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

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Intestine Large, Colon				
Parasite Metazoan				
LESION RATES				
OVERALL (a)	6/50 (12%)	2/50 (4%)	0/50 (0%)	3/50 (6%)
POLY-3 RATE (b)	6/40.52	2/39.43	0/36.72	3/37.78
POLY-3 PERCENT (g)	14.8%	5.1%	0%	7.9%
TERMINAL (d)	3/25 (12%)	0/30 (0%)	0/19 (0%)	3/17 (18%)
FIRST INCIDENCE	372	460	---	727 (T)
STATISTICAL TESTS				
POLY 3	P=0.413N	P=0.139N	P=0.020N*	P=0.275N
POLY 1.5	P=0.403N	P=0.142N	P=0.018N*	P=0.259N
POLY 6	P=0.437N	P=0.130N	P=0.024N*	P=0.303N
COCH-ARM / FISHERS	P=0.406N	P=0.134N	P=0.013N*	P=0.243N
MAX-ISO-POLY-3	P=0.055N	P=0.075N	P=0.009N**	P=0.178N

TDMS No. 88148 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

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 3,3',4,4'-Tetrachloroazobenzene
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 Lab: BAT

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

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Kidney				
Accumulation, Hyaline Droplet				
LESION RATES				
OVERALL (a)	0/50 (0%)	2/50 (4%)	0/50 (0%)	0/49 (0%)
POLY-3 RATE (b)	0/38.86	2/38.12	0/36.72	0/37.70
POLY-3 PERCENT (g)	0%	5.3%	0%	0%
TERMINAL (d)	0/25 (0%)	2/30 (7%)	0/19 (0%)	0/17 (0%)
FIRST INCIDENCE	---	727 (T)	---	---
STATISTICAL TESTS				
POLY 3	P=0.398N	P=0.232	(e)	(e)
POLY 1.5	P=0.398N	P=0.231	(e)	(e)
POLY 6	P=0.397N	P=0.238	(e)	(e)
COCH-ARM / FISHERS	P=0.397N	P=0.247	(e)	(e)
MAX-ISO-POLY-3	P=0.258N	P=0.075	(e)	(e)

TDMS No. 88148 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

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

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

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Kidney Casts				
LESION RATES				
OVERALL (a)	1/50 (2%)	0/50 (0%)	0/50 (0%)	2/49 (4%)
POLY-3 RATE (b)	1/39.82	0/38.12	0/36.72	2/38.50
POLY-3 PERCENT (g)	2.5%	0%	0%	5.2%
TERMINAL (d)	0/25 (0%)	0/30 (0%)	0/19 (0%)	0/17 (0%)
FIRST INCIDENCE	232	---	---	523
STATISTICAL TESTS				
POLY 3	P=0.185	P=0.509N	P=0.516N	P=0.488
POLY 1.5	P=0.186	P=0.509N	P=0.510N	P=0.491
POLY 6	P=0.178	P=0.504N	P=0.526N	P=0.480
COCH-ARM / FISHERS	P=0.181	P=0.500N	P=0.500N	P=0.492
MAX-ISO-POLY-3	P=0.134	P=0.169N	P=0.178N	P=0.272

TDMS No. 88148 - 06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/SD

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

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

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Kidney Infarct				
LESION RATES				
OVERALL (a)	0/50 (0%)	1/50 (2%)	4/50 (8%)	2/49 (4%)
POLY-3 RATE (b)	0/38.86	1/39.05	4/38.14	2/38.54
POLY-3 PERCENT (g)	0%	2.6%	10.5%	5.2%
TERMINAL (d)	0/25 (0%)	0/30 (0%)	0/19 (0%)	1/17 (6%)
FIRST INCIDENCE	---	309	597	401
STATISTICAL TESTS				
POLY 3	P=0.306	P=0.501	P=0.057	P=0.235
POLY 1.5	P=0.312	P=0.498	P=0.058	P=0.236
POLY 6	P=0.284	P=0.508	P=0.055	P=0.229
COCH-ARM / FISHERS	P=0.302	P=0.500	P=0.059	P=0.242
MAX-ISO-POLY-3	P=0.076	P=0.159	P=0.019*	P=0.074

TDMS No. 88148 - 06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 04/15/2009
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First Dose M/F: 01/29/03 / 01/30/03
Lab: BAT

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

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Kidney Inflammation Diffuse				
LESION RATES				
OVERALL (a)	0/50 (0%)	1/50 (2%)	3/50 (6%)	2/49 (4%)
POLY-3 RATE (b)	0/38.86	1/39.05	3/37.55	2/38.69
POLY-3 PERCENT (g)	0%	2.6%	8%	5.2%
TERMINAL (d)	0/25 (0%)	0/30 (0%)	0/19 (0%)	0/17 (0%)
FIRST INCIDENCE	---	309	597	401
STATISTICAL TESTS				
POLY 3	P=0.277	P=0.501	P=0.111	P=0.235
POLY 1.5	P=0.281	P=0.498	P=0.114	P=0.236
POLY 6	P=0.261	P=0.508	P=0.107	P=0.230
COCH-ARM / FISHERS	P=0.272	P=0.500	P=0.121	P=0.242
MAX-ISO-POLY-3	P=0.108	P=0.159	P=0.037*	P=0.075

TDMS No. 88148 - 06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 04/15/2009
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First Dose M/F: 01/29/03 / 01/30/03
Lab: BAT

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

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Kidney Mineralization				
LESION RATES				
OVERALL (a)	36/50 (72%)	32/50 (64%)	28/50 (56%)	29/49 (59%)
POLY-3 RATE (b)	36/45.52	32/44.51	28/43.15	29/44.46
POLY-3 PERCENT (g)	79.1%	71.9%	64.9%	65.2%
TERMINAL (d)	19/25 (76%)	21/30 (70%)	12/19 (63%)	7/17 (41%)
FIRST INCIDENCE	372	271	439	481
STATISTICAL TESTS				
POLY 3	P=0.125N	P=0.282N	P=0.090N	P=0.097N
POLY 1.5	P=0.138N	P=0.291N	P=0.083N	P=0.106N
POLY 6	P=0.116N	P=0.255N	P=0.102N	P=0.086N
COCH-ARM / FISHERS	P=0.183N	P=0.260N	P=0.072N	P=0.129N
MAX-ISO-POLY-3	P=0.100N	P=0.205N	P=0.060N	P=0.062N

TDMS No. 88148 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 04/15/2009
 Time Report Requested: 09:57:26
 First Dose M/F: 01/29/03 / 01/30/03
 Lab: BAT

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

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Kidney				
Nephropathy				
LESION RATES				
OVERALL (a)	30/50 (60%)	39/50 (78%)	39/50 (78%)	42/49 (86%)
POLY-3 RATE (b)	30/42.14	39/44.66	39/44.79	42/46.10
POLY-3 PERCENT (g)	71.2%	87.3%	87.1%	91.1%
TERMINAL (d)	21/25 (84%)	28/30 (93%)	19/19 (100%)	17/17 (100%)
FIRST INCIDENCE	372	271	273	378
STATISTICAL TESTS				
POLY 3	P=0.027*	P=0.035*	P=0.036*	P=0.007**
POLY 1.5	P=0.019*	P=0.031*	P=0.036*	P=0.004**
POLY 6	P=0.047*	P=0.054	P=0.036*	P=0.015*
COCH-ARM / FISHERS	P=0.013*	P=0.041*	P=0.041*	P=0.004**
MAX-ISO-POLY-3	P=0.004**	P=0.020*	P=0.021*	P=0.004**

TDMS No. 88148 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 04/15/2009
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 Lab: BAT

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

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Kidney: Cortex Cyst				
LESION RATES				
OVERALL (a)	0/50 (0%)	1/50 (2%)	0/50 (0%)	1/49 (2%)
POLY-3 RATE (b)	0/38.86	1/38.12	0/36.72	1/37.70
POLY-3 PERCENT (g)	0%	2.6%	0%	2.7%
TERMINAL (d)	0/25 (0%)	1/30 (3%)	0/19 (0%)	1/17 (6%)
FIRST INCIDENCE	---	727 (T)	---	727 (T)
STATISTICAL TESTS				
POLY 3	P=0.457	P=0.496	(e)	P=0.494
POLY 1.5	P=0.460	P=0.495	(e)	P=0.496
POLY 6	P=0.449	P=0.502	(e)	P=0.487
COCH-ARM / FISHERS	P=0.459	P=0.500	(e)	P=0.495
MAX-ISO-POLY-3	P=0.254	P=0.158	(e)	P=0.157

TDMS No. 88148 - 06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 04/15/2009
Time Report Requested: 09:57:26
First Dose M/F: 01/29/03 / 01/30/03
Lab: BAT

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

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Kidney: Papilla Necrosis				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	1/50 (2%)	2/49 (4%)
POLY-3 RATE (b)	0/38.86	0/38.12	1/36.76	2/38.05
POLY-3 PERCENT (g)	0%	0%	2.7%	5.3%
TERMINAL (d)	0/25 (0%)	0/30 (0%)	0/19 (0%)	1/17 (6%)
FIRST INCIDENCE	---	---	716	632
STATISTICAL TESTS				
POLY 3	P=0.087	(e)	P=0.489	P=0.232
POLY 1.5	P=0.089	(e)	P=0.494	P=0.234
POLY 6	P=0.081	(e)	P=0.481	P=0.226
COCH-ARM / FISHERS	P=0.087	(e)	P=0.500	P=0.242
MAX-ISO-POLY-3	P=0.077	(e)	P=0.158	P=0.074

TDMS No. 88148 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 04/15/2009
 Time Report Requested: 09:57:26
 First Dose M/F: 01/29/03 / 01/30/03
 Lab: BAT

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

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Kidney: Pelvis Dilatation				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	2/50 (4%)	1/49 (2%)
POLY-3 RATE (b)	0/38.86	0/38.12	2/37.50	1/38.05
POLY-3 PERCENT (g)	0%	0%	5.3%	2.6%
TERMINAL (d)	0/25 (0%)	0/30 (0%)	0/19 (0%)	0/17 (0%)
FIRST INCIDENCE	---	---	597	632
STATISTICAL TESTS				
POLY 3	P=0.379	(e)	P=0.229	P=0.496
POLY 1.5	P=0.384	(e)	P=0.232	P=0.497
POLY 6	P=0.362	(e)	P=0.223	P=0.491
COCH-ARM / FISHERS	P=0.377	(e)	P=0.247	P=0.495
MAX-ISO-POLY-3	P=0.169	(e)	P=0.075	P=0.157

TDMS No. 88148 - 06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 04/15/2009
Time Report Requested: 09:57:26
First Dose M/F: 01/29/03 / 01/30/03
Lab: BAT

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

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Kidney: Pelvis Inflammation				
LESION RATES				
OVERALL (a)	1/50 (2%)	2/50 (4%)	1/50 (2%)	2/49 (4%)
POLY-3 RATE (b)	1/38.86	2/38.59	1/36.72	2/38.54
POLY-3 PERCENT (g)	2.6%	5.2%	2.7%	5.2%
TERMINAL (d)	1/25 (4%)	1/30 (3%)	1/19 (5%)	1/17 (6%)
FIRST INCIDENCE	727 (T)	589	727 (T)	401
STATISTICAL TESTS				
POLY 3	P=0.478	P=0.498	P=0.749	P=0.497
POLY 1.5	P=0.480	P=0.493	P=0.754	P=0.499
POLY 6	P=0.464	P=0.511	P=0.739	P=0.488
COCH-ARM / FISHERS	P=0.470	P=0.500	P=0.753N	P=0.492
MAX-ISO-POLY-3	P=0.445	P=0.278	P=0.484	P=0.277

TDMS No. 88148 - 06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 04/15/2009
Time Report Requested: 09:57:26
First Dose M/F: 01/29/03 / 01/30/03
Lab: BAT

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

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Kidney: Pelvis, Transitional Epithelium Hyperplasia				
LESION RATES				
OVERALL (a)	1/50 (2%)	1/50 (2%)	2/50 (4%)	3/49 (6%)
POLY-3 RATE (b)	1/38.86	1/38.12	2/37.10	3/37.79
POLY-3 PERCENT (g)	2.6%	2.6%	5.4%	7.9%
TERMINAL (d)	1/25 (4%)	1/30 (3%)	0/19 (0%)	2/17 (12%)
FIRST INCIDENCE	727 (T)	727 (T)	634	705
STATISTICAL TESTS				
POLY 3	P=0.180	P=0.757	P=0.484	P=0.294
POLY 1.5	P=0.186	P=0.755	P=0.491	P=0.299
POLY 6	P=0.166	P=0.759N	P=0.472	P=0.283
COCH-ARM / FISHERS	P=0.181	P=0.753N	P=0.500	P=0.301
MAX-ISO-POLY-3	P=0.215	P=0.494	P=0.270	P=0.147

TDMS No. 88148 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 04/15/2009
 Time Report Requested: 09:57:26
 First Dose M/F: 01/29/03 / 01/30/03
 Lab: BAT

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

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Kidney: Renal Tubule Necrosis				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	3/50 (6%)	3/49 (6%)
POLY-3 RATE (b)	0/38.86	0/38.12	3/38.00	3/38.75
POLY-3 PERCENT (g)	0%	0%	7.9%	7.7%
TERMINAL (d)	0/25 (0%)	0/30 (0%)	0/19 (0%)	0/17 (0%)
FIRST INCIDENCE	---	---	580	481
STATISTICAL TESTS				
POLY 3	P=0.060	(e)	P=0.114	P=0.117
POLY 1.5	P=0.061	(e)	P=0.116	P=0.118
POLY 6	P=0.055	(e)	P=0.110	P=0.114
COCH-ARM / FISHERS	P=0.059	(e)	P=0.121	P=0.117
MAX-ISO-POLY-3	P=0.058	(e)	P=0.037*	P=0.038*

TDMS No. 88148 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 04/15/2009
 Time Report Requested: 09:57:26
 First Dose M/F: 01/29/03 / 01/30/03
 Lab: BAT

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

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Liver				
Angiectasis				
LESION RATES				
OVERALL (a)	0/50 (0%)	4/50 (8%)	3/49 (6%)	5/49 (10%)
POLY-3 RATE (b)	0/38.86	4/38.87	3/36.82	5/38.20
POLY-3 PERCENT (g)	0%	10.3%	8.2%	13.1%
TERMINAL (d)	0/25 (0%)	3/30 (10%)	2/19 (11%)	3/17 (18%)
FIRST INCIDENCE	---	460	659	630
STATISTICAL TESTS				
POLY 3	P=0.084	P=0.059	P=0.108	P=0.028*
POLY 1.5	P=0.087	P=0.058	P=0.111	P=0.029*
POLY 6	P=0.076	P=0.063	P=0.102	P=0.026*
COCH-ARM / FISHERS	P=0.086	P=0.059	P=0.117	P=0.027*
MAX-ISO-POLY-3	P=0.025*	P=0.019*	P=0.036*	P=0.009**

TDMS No. 88148 - 06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

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Lab: BAT

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

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Liver				
Basophilic Focus				
LESION RATES				
OVERALL (a)	14/50 (28%)	10/50 (20%)	9/49 (18%)	7/49 (14%)
POLY-3 RATE (b)	14/40.22	10/40.25	9/38.52	7/38.69
POLY-3 PERCENT (g)	34.8%	24.9%	23.4%	18.1%
TERMINAL (d)	9/25 (36%)	6/30 (20%)	1/19 (5%)	1/17 (6%)
FIRST INCIDENCE	548	510	593	608
STATISTICAL TESTS				
POLY 3	P=0.097N	P=0.229N	P=0.188N	P=0.072N
POLY 1.5	P=0.091N	P=0.246N	P=0.186N	P=0.071N
POLY 6	P=0.118N	P=0.196N	P=0.198N	P=0.080N
COCH-ARM / FISHERS	P=0.099N	P=0.241N	P=0.185N	P=0.077N
MAX-ISO-POLY-3	P=0.071N	P=0.162N	P=0.132N	P=0.044N*

TDMS No. 88148 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

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 Lab: BAT

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

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Liver				
Cholangiofibrosis				
LESION RATES				
OVERALL (a)	0/50 (0%)	1/50 (2%)	0/49 (0%)	11/49 (22%)
POLY-3 RATE (b)	0/38.86	1/38.12	0/36.56	11/39.45
POLY-3 PERCENT (g)	0%	2.6%	0%	27.9%
TERMINAL (d)	0/25 (0%)	1/30 (3%)	0/19 (0%)	4/17 (24%)
FIRST INCIDENCE	---	727 (T)	---	608
STATISTICAL TESTS				
POLY 3	P<0.001**	P=0.496	(e)	P<0.001**
POLY 1.5	P<0.001**	P=0.495	(e)	P<0.001**
POLY 6	P<0.001**	P=0.502	(e)	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.500	(e)	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P=0.158	(e)	P<0.001**

TDMS No. 88148 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 3,3',4,4'-Tetrachloroazobenzene
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 Lab: BAT

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

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Liver				
Clear Cell Focus				
LESION RATES				
OVERALL (a)	13/50 (26%)	22/50 (44%)	9/49 (18%)	7/49 (14%)
POLY-3 RATE (b)	13/39.33	22/38.67	9/36.56	7/37.70
POLY-3 PERCENT (g)	33.1%	56.9%	24.6%	18.6%
TERMINAL (d)	12/25 (48%)	21/30 (70%)	9/19 (47%)	7/17 (41%)
FIRST INCIDENCE	587	560	727 (T)	727 (T)
STATISTICAL TESTS				
POLY 3	P=0.006N**	P=0.023*	P=0.285N	P=0.112N
POLY 1.5	P=0.007N**	P=0.026*	P=0.267N	P=0.108N
POLY 6	P=0.007N**	P=0.025*	P=0.328N	P=0.126N
COCH-ARM / FISHERS	P=0.012N*	P=0.046*	P=0.251N	P=0.115N
MAX-ISO-POLY-3	P=0.008N**	P=0.013*	P=0.212N	P=0.072N

TDMS No. 88148 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

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 Lab: BAT

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

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Liver				
Degeneration Cystic				
LESION RATES				
OVERALL (a)	0/50 (0%)	2/50 (4%)	3/49 (6%)	0/49 (0%)
POLY-3 RATE (b)	0/38.86	2/38.12	3/36.61	0/37.70
POLY-3 PERCENT (g)	0%	5.3%	8.2%	0%
TERMINAL (d)	0/25 (0%)	2/30 (7%)	2/19 (11%)	0/17 (0%)
FIRST INCIDENCE	---	727 (T)	716	---
STATISTICAL TESTS				
POLY 3	P=0.372N	P=0.232	P=0.107	(e)
POLY 1.5	P=0.366N	P=0.231	P=0.111	(e)
POLY 6	P=0.390N	P=0.238	P=0.100	(e)
COCH-ARM / FISHERS	P=0.370N	P=0.247	P=0.117	(e)
MAX-ISO-POLY-3	P=0.223	P=0.075	P=0.036*	(e)

TDMS No. 88148 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 04/15/2009
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 First Dose M/F: 01/29/03 / 01/30/03
 Lab: BAT

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

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Liver				
Eosinophilic Focus				
LESION RATES				
OVERALL (a)	3/50 (6%)	27/50 (54%)	31/49 (63%)	38/49 (78%)
POLY-3 RATE (b)	3/39.86	27/42.69	31/42.33	38/45.31
POLY-3 PERCENT (g)	7.5%	63.3%	73.2%	83.9%
TERMINAL (d)	1/25 (4%)	19/30 (63%)	14/19 (74%)	16/17 (94%)
FIRST INCIDENCE	478	335	525	378
STATISTICAL TESTS				
POLY 3	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 6	P<0.001**	P<0.001**	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P<0.001**	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P<0.001**	P<0.001**	P<0.001**

TDMS No. 88148 - 06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 04/15/2009
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First Dose M/F: 01/29/03 / 01/30/03
Lab: BAT

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

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Liver				
Fatty Change Diffuse				
LESION RATES				
OVERALL (a)	0/50 (0%)	3/50 (6%)	10/49 (20%)	10/49 (20%)
POLY-3 RATE (b)	0/38.86	3/39.05	10/40.28	10/40.53
POLY-3 PERCENT (g)	0%	7.7%	24.8%	24.7%
TERMINAL (d)	0/25 (0%)	2/30 (7%)	2/19 (11%)	2/17 (12%)
FIRST INCIDENCE	---	309	439	467
STATISTICAL TESTS				
POLY 3	P=0.002**	P=0.119	P<0.001**	P<0.001**
POLY 1.5	P=0.002**	P=0.117	P<0.001**	P<0.001**
POLY 6	P=0.002**	P=0.124	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P=0.002**	P=0.121	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P=0.038*	P<0.001**	P<0.001**

TDMS No. 88148 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 04/15/2009
 Time Report Requested: 09:57:26
 First Dose M/F: 01/29/03 / 01/30/03
 Lab: BAT

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

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Liver				
Fatty Change Focal				
LESION RATES				
OVERALL (a)	2/50 (4%)	2/50 (4%)	2/49 (4%)	9/49 (18%)
POLY-3 RATE (b)	2/38.92	2/38.12	2/36.63	9/38.95
POLY-3 PERCENT (g)	5.1%	5.3%	5.5%	23.1%
TERMINAL (d)	1/25 (4%)	2/30 (7%)	1/19 (5%)	4/17 (24%)
FIRST INCIDENCE	712	727 (T)	710	608
STATISTICAL TESTS				
POLY 3	P<0.001**	P=0.687	P=0.673	P=0.023*
POLY 1.5	P=0.002**	P=0.685	P=0.680	P=0.023*
POLY 6	P<0.001**	P=0.693N	P=0.659	P=0.021*
COCH-ARM / FISHERS	P=0.002**	P=0.691N	P=0.684	P=0.023*
MAX-ISO-POLY-3	P=0.002**	P=0.491	P=0.475	P=0.010**

TDMS No. 88148 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 04/15/2009
 Time Report Requested: 09:57:26
 First Dose M/F: 01/29/03 / 01/30/03
 Lab: BAT

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

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Liver				
Fibrosis				
LESION RATES				
OVERALL (a)	1/50 (2%)	0/50 (0%)	2/49 (4%)	6/49 (12%)
POLY-3 RATE (b)	1/39.72	0/38.12	2/36.56	6/38.92
POLY-3 PERCENT (g)	2.5%	0%	5.5%	15.4%
TERMINAL (d)	0/25 (0%)	0/30 (0%)	2/19 (11%)	1/17 (6%)
FIRST INCIDENCE	372	---	727 (T)	590
STATISTICAL TESTS				
POLY 3	P=0.003**	P=0.508N	P=0.471	P=0.051
POLY 1.5	P=0.003**	P=0.508N	P=0.481	P=0.052
POLY 6	P=0.002**	P=0.504N	P=0.455	P=0.048*
COCH-ARM / FISHERS	P=0.003**	P=0.500N	P=0.492	P=0.053
MAX-ISO-POLY-3	P=0.005**	P=0.168N	P=0.263	P=0.021*

TDMS No. 88148 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 04/15/2009
 Time Report Requested: 09:57:26
 First Dose M/F: 01/29/03 / 01/30/03
 Lab: BAT

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

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Liver				
Hematopoietic Cell Proliferation				
LESION RATES				
OVERALL (a)	28/50 (56%)	42/50 (84%)	32/49 (65%)	37/49 (76%)
POLY-3 RATE (b)	28/44.88	42/44.78	32/42.82	37/44.38
POLY-3 PERCENT (g)	62.4%	93.8%	74.7%	83.4%
TERMINAL (d)	12/25 (48%)	30/30 (100%)	15/19 (79%)	15/17 (88%)
FIRST INCIDENCE	372	335	273	523
STATISTICAL TESTS				
POLY 3	P=0.153	P<0.001**	P=0.143	P=0.016*
POLY 1.5	P=0.173	P<0.001**	P=0.180	P=0.021*
POLY 6	P=0.127	P<0.001**	P=0.095	P=0.012*
COCH-ARM / FISHERS	P=0.188	P=0.002**	P=0.229	P=0.033*
MAX-ISO-POLY-3	P=0.004**	P<0.001**	P=0.099	P=0.008**

TDMS No. 88148 - 06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 04/15/2009
Time Report Requested: 09:57:26
First Dose M/F: 01/29/03 / 01/30/03
Lab: BAT

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

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Liver				
Hepatodiaphragmatic Nodule				
LESION RATES				
OVERALL (a)	1/50 (2%)	0/50 (0%)	1/49 (2%)	1/49 (2%)
POLY-3 RATE (b)	1/39.72	0/38.12	1/36.61	1/37.89
POLY-3 PERCENT (g)	2.5%	0%	2.7%	2.6%
TERMINAL (d)	0/25 (0%)	0/30 (0%)	0/19 (0%)	0/17 (0%)
FIRST INCIDENCE	372	---	716	679
STATISTICAL TESTS				
POLY 3	P=0.554	P=0.508N	P=0.743	P=0.751
POLY 1.5	P=0.559	P=0.508N	P=0.749	P=0.754
POLY 6	P=0.537	P=0.504N	P=0.733	P=0.744
COCH-ARM / FISHERS	P=0.554	P=0.500N	P=0.747	P=0.747
MAX-ISO-POLY-3	P=0.526	P=0.168N	P=0.476	P=0.486

TDMS No. 88148 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 04/15/2009
 Time Report Requested: 09:57:26
 First Dose M/F: 01/29/03 / 01/30/03
 Lab: BAT

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

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Liver				
Hyperplasia				
LESION RATES				
OVERALL (a)	1/50 (2%)	3/50 (6%)	11/49 (22%)	22/49 (45%)
POLY-3 RATE (b)	1/39.72	3/38.12	11/37.53	22/41.30
POLY-3 PERCENT (g)	2.5%	7.9%	29.3%	53.3%
TERMINAL (d)	0/25 (0%)	3/30 (10%)	6/19 (32%)	10/17 (59%)
FIRST INCIDENCE	372	727 (T)	580	558
STATISTICAL TESTS				
POLY 3	P<0.001**	P=0.290	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P=0.291	P<0.001**	P<0.001**
POLY 6	P<0.001**	P=0.297	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.309	P=0.002**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P=0.147	P<0.001**	P<0.001**

TDMS No. 88148 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 04/15/2009
 Time Report Requested: 09:57:26
 First Dose M/F: 01/29/03 / 01/30/03
 Lab: BAT

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

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Liver				
Inflammation Chronic				
LESION RATES				
OVERALL (a)	29/50 (58%)	29/50 (58%)	32/49 (65%)	30/49 (61%)
POLY-3 RATE (b)	29/43.10	29/43.34	32/45.00	30/43.44
POLY-3 PERCENT (g)	67.3%	66.9%	71.1%	69.1%
TERMINAL (d)	20/25 (80%)	21/30 (70%)	13/19 (68%)	12/17 (71%)
FIRST INCIDENCE	372	271	229	523
STATISTICAL TESTS				
POLY 3	P=0.484	P=0.580N	P=0.434	P=0.522
POLY 1.5	P=0.470	P=0.579	P=0.386	P=0.495
POLY 6	P=0.494	P=0.526N	P=0.479	P=0.562
COCH-ARM / FISHERS	P=0.424	P=0.580N	P=0.295	P=0.452
MAX-ISO-POLY-3	P=0.592	P=0.484N	P=0.343	P=0.424

TDMS No. 88148 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 04/15/2009
 Time Report Requested: 09:57:26
 First Dose M/F: 01/29/03 / 01/30/03
 Lab: BAT

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

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Liver				
Mixed Cell Focus				
LESION RATES				
OVERALL (a)	6/50 (12%)	16/50 (32%)	14/49 (29%)	16/49 (33%)
POLY-3 RATE (b)	6/39.15	16/38.12	14/36.59	16/37.80
POLY-3 PERCENT (g)	15.3%	42%	38.3%	42.3%
TERMINAL (d)	5/25 (20%)	16/30 (53%)	13/19 (68%)	14/17 (82%)
FIRST INCIDENCE	649	727 (T)	720	705
STATISTICAL TESTS				
POLY 3	P=0.056	P=0.007**	P=0.019*	P=0.006**
POLY 1.5	P=0.070	P=0.008**	P=0.025*	P=0.009**
POLY 6	P=0.032*	P=0.007**	P=0.011*	P=0.003**
COCH-ARM / FISHERS	P=0.079	P=0.014*	P=0.035*	P=0.012*
MAX-ISO-POLY-3	P=0.008**	P=0.003**	P=0.011*	P=0.003**

TDMS No. 88148 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 04/15/2009
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 First Dose M/F: 01/29/03 / 01/30/03
 Lab: BAT

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

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Liver				
Necrosis				
LESION RATES				
OVERALL (a)	3/50 (6%)	6/50 (12%)	10/49 (20%)	10/49 (20%)
POLY-3 RATE (b)	3/39.78	6/40.12	10/40.11	10/40.72
POLY-3 PERCENT (g)	7.5%	15%	24.9%	24.6%
TERMINAL (d)	1/25 (4%)	2/30 (7%)	0/19 (0%)	1/17 (6%)
FIRST INCIDENCE	588	527	439	481
STATISTICAL TESTS				
POLY 3	P=0.056	P=0.244	P=0.033*	P=0.035*
POLY 1.5	P=0.056	P=0.236	P=0.032*	P=0.035*
POLY 6	P=0.052	P=0.265	P=0.033*	P=0.035*
COCH-ARM / FISHERS	P=0.050*	P=0.243	P=0.033*	P=0.033*
MAX-ISO-POLY-3	P=0.036*	P=0.147	P=0.016*	P=0.019*

TDMS No. 88148 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

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 Lab: BAT

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

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Liver				
Necrosis Focal				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/49 (0%)	2/49 (4%)
POLY-3 RATE (b)	0/38.86	0/38.12	0/36.56	2/38.38
POLY-3 PERCENT (g)	0%	0%	0%	5.2%
TERMINAL (d)	0/25 (0%)	0/30 (0%)	0/19 (0%)	0/17 (0%)
FIRST INCIDENCE	---	---	---	590
STATISTICAL TESTS				
POLY 3	P=0.040*	(e)	(e)	P=0.234
POLY 1.5	P=0.041*	(e)	(e)	P=0.235
POLY 6	P=0.039*	(e)	(e)	P=0.229
COCH-ARM / FISHERS	P=0.041*	(e)	(e)	P=0.242
MAX-ISO-POLY-3	P=0.034*	(e)	(e)	P=0.074

TDMS No. 88148 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

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 Lab: BAT

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

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Liver				
Pigmentation				
LESION RATES				
OVERALL (a)	1/50 (2%)	17/50 (34%)	32/49 (65%)	40/49 (82%)
POLY-3 RATE (b)	1/38.86	17/41.65	32/43.80	40/46.53
POLY-3 PERCENT (g)	2.6%	40.8%	73.1%	86%
TERMINAL (d)	1/25 (4%)	11/30 (37%)	12/19 (63%)	14/17 (82%)
FIRST INCIDENCE	727 (T)	460	439	378
STATISTICAL TESTS				
POLY 3	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 6	P<0.001**	P<0.001**	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P<0.001**	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P<0.001**	P<0.001**	P<0.001**

TDMS No. 88148 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 04/15/2009
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 First Dose M/F: 01/29/03 / 01/30/03
 Lab: BAT

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

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Liver				
Toxic Hepatopathy				
LESION RATES				
OVERALL (a)	0/50 (0%)	4/50 (8%)	14/49 (29%)	25/49 (51%)
POLY-3 RATE (b)	0/38.86	4/38.12	14/38.24	25/43.17
POLY-3 PERCENT (g)	0%	10.5%	36.6%	57.9%
TERMINAL (d)	0/25 (0%)	4/30 (13%)	8/19 (42%)	11/17 (65%)
FIRST INCIDENCE	---	727 (T)	439	467
STATISTICAL TESTS				
POLY 3	P<0.001**	P=0.057	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P=0.056	P<0.001**	P<0.001**
POLY 6	P<0.001**	P=0.060	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.059	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P=0.019*	P<0.001**	P<0.001**

TDMS No. 88148 - 06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

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First Dose M/F: 01/29/03 / 01/30/03
Lab: BAT

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

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Liver: Bile Duct Cyst				
LESION RATES				
OVERALL (a)	3/50 (6%)	4/50 (8%)	5/49 (10%)	12/49 (24%)
POLY-3 RATE (b)	3/39.15	4/38.12	5/36.59	12/38.63
POLY-3 PERCENT (g)	7.7%	10.5%	13.7%	31.1%
TERMINAL (d)	2/25 (8%)	4/30 (13%)	4/19 (21%)	7/17 (41%)
FIRST INCIDENCE	649	727 (T)	720	632
STATISTICAL TESTS				
POLY 3	P<0.001**	P=0.485	P=0.317	P=0.008**
POLY 1.5	P<0.001**	P=0.484	P=0.331	P=0.009**
POLY 6	P<0.001**	P=0.498	P=0.292	P=0.006**
COCH-ARM / FISHERS	P=0.002**	P=0.500	P=0.346	P=0.010**
MAX-ISO-POLY-3	P=0.002**	P=0.335	P=0.205	P=0.003**

TDMS No. 88148 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 04/15/2009
 Time Report Requested: 09:57:26
 First Dose M/F: 01/29/03 / 01/30/03
 Lab: BAT

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

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Liver: Bile Duct Dilatation				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/49 (0%)	0/49 (0%)
POLY-3 RATE (b)	0/38.86	0/38.12	0/36.56	0/37.70
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/25 (0%)	0/30 (0%)	0/19 (0%)	0/17 (0%)
FIRST INCIDENCE	---	---	---	---
STATISTICAL TESTS				
POLY 3	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)

TDMS No. 88148 - 06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 04/15/2009
Time Report Requested: 09:57:26
First Dose M/F: 01/29/03 / 01/30/03
Lab: BAT

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

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Liver: Bile Duct Fibrosis				
LESION RATES				
OVERALL (a)	1/50 (2%)	1/50 (2%)	4/49 (8%)	1/49 (2%)
POLY-3 RATE (b)	1/38.86	1/38.12	4/36.62	1/37.74
POLY-3 PERCENT (g)	2.6%	2.6%	10.9%	2.7%
TERMINAL (d)	1/25 (4%)	1/30 (3%)	2/19 (11%)	0/17 (0%)
FIRST INCIDENCE	727 (T)	727 (T)	720	718
STATISTICAL TESTS				
POLY 3	P=0.588N	P=0.757	P=0.159	P=0.755
POLY 1.5	P=0.580N	P=0.755	P=0.165	P=0.757
POLY 6	P=0.612N	P=0.759N	P=0.147	P=0.748
COCH-ARM / FISHERS	P=0.586N	P=0.753N	P=0.175	P=0.747
MAX-ISO-POLY-3	P=0.314	P=0.494	P=0.076	P=0.491

TDMS No. 88148 - 06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 04/15/2009
Time Report Requested: 09:57:26
First Dose M/F: 01/29/03 / 01/30/03
Lab: BAT

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

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Liver: Bile Duct Hyperplasia				
LESION RATES				
OVERALL (a)	12/50 (24%)	26/50 (52%)	29/49 (59%)	38/49 (78%)
POLY-3 RATE (b)	12/40.54	26/40.17	29/41.80	38/45.93
POLY-3 PERCENT (g)	29.6%	64.7%	69.4%	82.7%
TERMINAL (d)	8/25 (32%)	22/30 (73%)	15/19 (79%)	12/17 (71%)
FIRST INCIDENCE	406	527	229	378
STATISTICAL TESTS				
POLY 3	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 6	P<0.001**	P<0.001**	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.004**	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P<0.001**	P<0.001**	P<0.001**

TDMS No. 88148 - 06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 04/15/2009
Time Report Requested: 09:57:26
First Dose M/F: 01/29/03 / 01/30/03
Lab: BAT

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

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Liver: Centrilobular Degeneration				
LESION RATES				
OVERALL (a)	1/50 (2%)	2/50 (4%)	18/49 (37%)	17/49 (35%)
POLY-3 RATE (b)	1/38.86	2/38.74	18/42.35	17/44.07
POLY-3 PERCENT (g)	2.6%	5.2%	42.5%	38.6%
TERMINAL (d)	1/25 (4%)	1/30 (3%)	2/19 (11%)	1/17 (6%)
FIRST INCIDENCE	727 (T)	527	439	401
STATISTICAL TESTS				
POLY 3	P<0.001**	P=0.499	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P=0.494	P<0.001**	P<0.001**
POLY 6	P<0.001**	P=0.512	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.500	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P=0.279	P<0.001**	P<0.001**

TDMS No. 88148 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 04/15/2009
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 Lab: BAT

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

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Liver: Hepatocyte Hypertrophy				
LESION RATES				
OVERALL (a)	4/50 (8%)	33/50 (66%)	38/49 (78%)	42/49 (86%)
POLY-3 RATE (b)	4/39.45	33/41.99	38/44.92	42/46.71
POLY-3 PERCENT (g)	10.1%	78.6%	84.6%	89.9%
TERMINAL (d)	3/25 (12%)	26/30 (87%)	18/19 (95%)	17/17 (100%)
FIRST INCIDENCE	540	309	273	378
STATISTICAL TESTS				
POLY 3	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 6	P<0.001**	P<0.001**	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P<0.001**	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P<0.001**	P<0.001**	P<0.001**

TDMS No. 88148 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 04/15/2009
 Time Report Requested: 09:57:26
 First Dose M/F: 01/29/03 / 01/30/03
 Lab: BAT

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

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Liver: Hepatocyte Multinucleated				
LESION RATES				
OVERALL (a)	0/50 (0%)	2/50 (4%)	1/49 (2%)	28/49 (57%)
POLY-3 RATE (b)	0/38.86	2/39.12	1/37.19	28/43.40
POLY-3 PERCENT (g)	0%	5.1%	2.7%	64.5%
TERMINAL (d)	0/25 (0%)	0/30 (0%)	0/19 (0%)	10/17 (59%)
FIRST INCIDENCE	---	527	525	481
STATISTICAL TESTS				
POLY 3	P<0.001**	P=0.238	P=0.491	P<0.001**
POLY 1.5	P<0.001**	P=0.234	P=0.494	P<0.001**
POLY 6	P<0.001**	P=0.248	P=0.485	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.247	P=0.495	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P=0.077	P=0.157	P<0.001**

TDMS No. 88148 - 06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 04/15/2009
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First Dose M/F: 01/29/03 / 01/30/03
Lab: BAT

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

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Liver: Oval Cell Hyperplasia				
LESION RATES				
OVERALL (a)	0/50 (0%)	7/50 (14%)	24/49 (49%)	36/49 (73%)
POLY-3 RATE (b)	0/38.86	7/38.50	24/40.68	36/44.79
POLY-3 PERCENT (g)	0%	18.2%	59%	80.4%
TERMINAL (d)	0/25 (0%)	6/30 (20%)	11/19 (58%)	12/17 (71%)
FIRST INCIDENCE	---	621	525	481
STATISTICAL TESTS				
POLY 3	P<0.001**	P=0.007**	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P=0.007**	P<0.001**	P<0.001**
POLY 6	P<0.001**	P=0.007**	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.006**	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P=0.002**	P<0.001**	P<0.001**

TDMS No. 88148 - 06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 04/15/2009
Time Report Requested: 09:57:26
First Dose M/F: 01/29/03 / 01/30/03
Lab: BAT

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

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Lung Congestion				
LESION RATES				
OVERALL (a)	1/50 (2%)	0/50 (0%)	0/49 (0%)	0/49 (0%)
POLY-3 RATE (b)	1/39.25	0/38.12	0/36.56	0/37.70
POLY-3 PERCENT (g)	2.6%	0%	0%	0%
TERMINAL (d)	0/25 (0%)	0/30 (0%)	0/19 (0%)	0/17 (0%)
FIRST INCIDENCE	614	---	---	---
STATISTICAL TESTS				
POLY 3	P=0.497N	P=0.506N	P=0.514N	P=0.508N
POLY 1.5	P=0.498N	P=0.506N	P=0.509N	P=0.505N
POLY 6	P=0.498N	P=0.502N	P=0.524N	P=0.516N
COCH-ARM / FISHERS	P=0.503N	P=0.500N	P=0.505N	P=0.505N
MAX-ISO-POLY-3	P=0.139N	P=0.165N	P=0.174N	P=0.167N

TDMS No. 88148 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 04/15/2009
 Time Report Requested: 09:57:26
 First Dose M/F: 01/29/03 / 01/30/03
 Lab: BAT

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

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Lung				
Inflammation Chronic				
LESION RATES				
OVERALL (a)	4/50 (8%)	5/50 (10%)	1/49 (2%)	4/49 (8%)
POLY-3 RATE (b)	4/39.65	5/38.14	1/37.01	4/38.30
POLY-3 PERCENT (g)	10.1%	13.1%	2.7%	10.4%
TERMINAL (d)	2/25 (8%)	4/30 (13%)	0/19 (0%)	2/17 (12%)
FIRST INCIDENCE	540	722	597	590
STATISTICAL TESTS				
POLY 3	P=0.582N	P=0.475	P=0.198N	P=0.626
POLY 1.5	P=0.576N	P=0.477	P=0.192N	P=0.633
POLY 6	P=0.599N	P=0.485	P=0.212N	P=0.608
COCH-ARM / FISHERS	P=0.582N	P=0.500	P=0.187N	P=0.631
MAX-ISO-POLY-3	P=0.366N	P=0.341	P=0.101N	P=0.478

TDMS No. 88148 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 04/15/2009
 Time Report Requested: 09:57:26
 First Dose M/F: 01/29/03 / 01/30/03
 Lab: BAT

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

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Lung				
Inflammation Granulomatous				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/49 (0%)	0/49 (0%)
POLY-3 RATE (b)	0/38.86	0/38.12	0/36.56	0/37.70
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/25 (0%)	0/30 (0%)	0/19 (0%)	0/17 (0%)
FIRST INCIDENCE	---	---	---	---
STATISTICAL TESTS				
POLY 3	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)

TDMS No. 88148 - 06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 04/15/2009
Time Report Requested: 09:57:26
First Dose M/F: 01/29/03 / 01/30/03
Lab: BAT

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

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Lung Pigmentation				
LESION RATES				
OVERALL (a)	1/50 (2%)	11/50 (22%)	21/49 (43%)	26/49 (53%)
POLY-3 RATE (b)	1/38.86	11/38.89	21/39.51	26/40.99
POLY-3 PERCENT (g)	2.6%	28.3%	53.2%	63.4%
TERMINAL (d)	1/25 (4%)	9/30 (30%)	15/19 (79%)	14/17 (82%)
FIRST INCIDENCE	727 (T)	460	460	481
STATISTICAL TESTS				
POLY 3	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 6	P<0.001**	P=0.002**	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.002**	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P<0.001**	P<0.001**	P<0.001**

TDMS No. 88148 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 04/15/2009
 Time Report Requested: 09:57:26
 First Dose M/F: 01/29/03 / 01/30/03
 Lab: BAT

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

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Lung: Alveolar Epithelium Hyperplasia				
LESION RATES				
OVERALL (a)	5/50 (10%)	1/50 (2%)	0/49 (0%)	0/49 (0%)
POLY-3 RATE (b)	5/39.33	1/38.12	0/36.56	0/37.70
POLY-3 PERCENT (g)	12.7%	2.6%	0%	0%
TERMINAL (d)	4/25 (16%)	1/30 (3%)	0/19 (0%)	0/17 (0%)
FIRST INCIDENCE	588	727 (T)	---	---
STATISTICAL TESTS				
POLY 3	P=0.036N*	P=0.106N	P=0.036N*	P=0.033N*
POLY 1.5	P=0.036N*	P=0.108N	P=0.034N*	P=0.032N*
POLY 6	P=0.038N*	P=0.101N	P=0.040N*	P=0.036N*
COCH-ARM / FISHERS	P=0.041N*	P=0.102N	P=0.030N*	P=0.030N*
MAX-ISO-POLY-3	P=0.003N**	P=0.049N*	P=0.014N*	P=0.011N*

TDMS No. 88148 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 3,3',4,4'-Tetrachloroazobenzene
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Date Report Requested: 04/15/2009
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 First Dose M/F: 01/29/03 / 01/30/03
 Lab: BAT

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

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Lung: Alveolar Epithelium Metaplasia				
LESION RATES				
OVERALL (a)	2/50 (4%)	4/50 (8%)	18/49 (37%)	30/49 (61%)
POLY-3 RATE (b)	2/38.86	4/38.59	18/40.46	30/41.47
POLY-3 PERCENT (g)	5.2%	10.4%	44.5%	72.3%
TERMINAL (d)	2/25 (8%)	3/30 (10%)	5/19 (26%)	15/17 (88%)
FIRST INCIDENCE	727 (T)	589	540	560
STATISTICAL TESTS				
POLY 3	P<0.001**	P=0.333	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P=0.328	P<0.001**	P<0.001**
POLY 6	P<0.001**	P=0.349	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.339	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P=0.197	P<0.001**	P<0.001**

TDMS No. 88148 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 04/15/2009
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 First Dose M/F: 01/29/03 / 01/30/03
 Lab: BAT

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

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Lung: Alveolar Epithelium Metaplasia Bronchiolar				
LESION RATES				
OVERALL (a)	0/50 (0%)	21/50 (42%)	26/49 (53%)	35/49 (71%)
POLY-3 RATE (b)	0/38.86	21/41.81	26/40.62	35/44.88
POLY-3 PERCENT (g)	0%	50.2%	64%	78%
TERMINAL (d)	0/25 (0%)	15/30 (50%)	15/19 (79%)	16/17 (94%)
FIRST INCIDENCE	---	335	525	378
STATISTICAL TESTS				
POLY 3	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 6	P<0.001**	P<0.001**	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P<0.001**	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P<0.001**	P<0.001**	P<0.001**

TDMS No. 88148 - 06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 04/15/2009
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First Dose M/F: 01/29/03 / 01/30/03
Lab: BAT

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

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Lung: Alveolus Infiltration Cellular Histiocyte				
LESION RATES				
OVERALL (a)	36/50 (72%)	23/50 (46%)	29/49 (59%)	33/49 (67%)
POLY-3 RATE (b)	36/44.65	23/40.54	29/42.56	33/44.49
POLY-3 PERCENT (g)	80.6%	56.7%	68.2%	74.2%
TERMINAL (d)	20/25 (80%)	18/30 (60%)	12/19 (63%)	13/17 (77%)
FIRST INCIDENCE	483	460	460	401
STATISTICAL TESTS				
POLY 3	P=0.417	P=0.010N**	P=0.121N	P=0.305N
POLY 1.5	P=0.385	P=0.008N**	P=0.118N	P=0.311N
POLY 6	P=0.398	P=0.014N*	P=0.144N	P=0.353N
COCH-ARM / FISHERS	P=0.267	P=0.007N**	P=0.129N	P=0.388N
MAX-ISO-POLY-3	P=0.093N	P=0.007N**	P=0.080N	P=0.218N

TDMS No. 88148 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 04/15/2009
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 First Dose M/F: 01/29/03 / 01/30/03
 Lab: BAT

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

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Lymph Node, Mandibular Atrophy				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/49 (0%)	0/49 (0%)	4/49 (8%)
POLY-3 RATE (b)	0/38.86	0/38.00	0/36.18	4/37.60
POLY-3 PERCENT (g)	0%	0%	0%	10.6%
TERMINAL (d)	0/25 (0%)	0/30 (0%)	0/19 (0%)	0/16 (0%)
FIRST INCIDENCE	---	---	---	632
STATISTICAL TESTS				
POLY 3	P<0.001**	(e)	(e)	P=0.055
POLY 1.5	P<0.001**	(e)	(e)	P=0.057
POLY 6	P<0.001**	(e)	(e)	P=0.052
COCH-ARM / FISHERS	P=0.002**	(e)	(e)	P=0.056
MAX-ISO-POLY-3	P=0.002**	(e)	(e)	P=0.018*

TDMS No. 88148 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 04/15/2009
 Time Report Requested: 09:57:26
 First Dose M/F: 01/29/03 / 01/30/03
 Lab: BAT

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

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Lymph Node, Mandibular Hyperplasia Lymphoid				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/49 (0%)	2/49 (4%)	0/49 (0%)
POLY-3 RATE (b)	0/38.86	0/38.00	2/36.43	0/36.78
POLY-3 PERCENT (g)	0%	0%	5.5%	0%
TERMINAL (d)	0/25 (0%)	0/30 (0%)	1/19 (5%)	0/16 (0%)
FIRST INCIDENCE	---	---	659	---
STATISTICAL TESTS				
POLY 3	P=0.691N	(e)	P=0.222	(e)
POLY 1.5	P=0.682N	(e)	P=0.227	(e)
POLY 6	P=0.708N	(e)	P=0.215	(e)
COCH-ARM / FISHERS	P=0.678N	(e)	P=0.242	(e)
MAX-ISO-POLY-3	P=0.250	(e)	P=0.074	(e)

TDMS No. 88148 - 06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 04/15/2009
Time Report Requested: 09:57:26
First Dose M/F: 01/29/03 / 01/30/03
Lab: BAT

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

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Lymph Node, Mandibular Necrosis				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/49 (0%)	0/49 (0%)	0/49 (0%)
POLY-3 RATE (b)	0/38.86	0/38.00	0/36.18	0/36.78
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/25 (0%)	0/30 (0%)	0/19 (0%)	0/16 (0%)
FIRST INCIDENCE	---	---	---	---
STATISTICAL TESTS				
POLY 3	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)

TDMS No. 88148 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 04/15/2009
 Time Report Requested: 09:57:26
 First Dose M/F: 01/29/03 / 01/30/03
 Lab: BAT

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

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Lymph Node, Mandibular Pigmentation				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/49 (0%)	0/49 (0%)	0/49 (0%)
POLY-3 RATE (b)	0/38.86	0/38.00	0/36.18	0/36.78
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/25 (0%)	0/30 (0%)	0/19 (0%)	0/16 (0%)
FIRST INCIDENCE	---	---	---	---
STATISTICAL TESTS				
POLY 3	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)

TDMS No. 88148 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 04/15/2009
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 First Dose M/F: 01/29/03 / 01/30/03
 Lab: BAT

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

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Lymph Node, Mesenteric Atrophy				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/49 (0%)	4/50 (8%)	6/49 (12%)
POLY-3 RATE (b)	0/38.86	0/38.11	4/37.56	6/39.11
POLY-3 PERCENT (g)	0%	0%	10.7%	15.3%
TERMINAL (d)	0/25 (0%)	0/30 (0%)	1/19 (5%)	1/17 (6%)
FIRST INCIDENCE	---	---	587	401
STATISTICAL TESTS				
POLY 3	P=0.002**	(e)	P=0.055	P=0.015*
POLY 1.5	P=0.002**	(e)	P=0.057	P=0.015*
POLY 6	P=0.002**	(e)	P=0.051	P=0.014*
COCH-ARM / FISHERS	P=0.002**	(e)	P=0.059	P=0.012*
MAX-ISO-POLY-3	P=0.004**	(e)	P=0.018*	P=0.005**

TDMS No. 88148 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 04/15/2009
 Time Report Requested: 09:57:26
 First Dose M/F: 01/29/03 / 01/30/03
 Lab: BAT

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

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Lymph Node, Mesenteric				
Atrophy Lymphoid				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/49 (0%)	0/50 (0%)	2/49 (4%)
POLY-3 RATE (b)	0/38.86	0/38.11	0/36.72	2/38.21
POLY-3 PERCENT (g)	0%	0%	0%	5.2%
TERMINAL (d)	0/25 (0%)	0/30 (0%)	0/19 (0%)	0/17 (0%)
FIRST INCIDENCE	---	---	---	649
STATISTICAL TESTS				
POLY 3	P=0.040*	(e)	(e)	P=0.233
POLY 1.5	P=0.041*	(e)	(e)	P=0.234
POLY 6	P=0.038*	(e)	(e)	P=0.228
COCH-ARM / FISHERS	P=0.041*	(e)	(e)	P=0.242
MAX-ISO-POLY-3	P=0.034*	(e)	(e)	P=0.074

TDMS No. 88148 - 06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 04/15/2009
Time Report Requested: 09:57:26
First Dose M/F: 01/29/03 / 01/30/03
Lab: BAT

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

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Lymph Node, Mesenteric Hyperplasia Lymphoid				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/49 (0%)
POLY-3 RATE (b)	0/38.86	0/38.11	0/36.72	0/37.70
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/25 (0%)	0/30 (0%)	0/19 (0%)	0/17 (0%)
FIRST INCIDENCE	---	---	---	---
STATISTICAL TESTS				
POLY 3	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)

TDMS No. 88148 - 06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 04/15/2009
Time Report Requested: 09:57:26
First Dose M/F: 01/29/03 / 01/30/03
Lab: BAT

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

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Lymph Node, Mesenteric Pigmentation				
LESION RATES				
OVERALL (a)	14/50 (28%)	32/49 (65%)	32/50 (64%)	30/49 (61%)
POLY-3 RATE (b)	14/39.82	32/43.70	32/44.69	30/43.05
POLY-3 PERCENT (g)	35.2%	73.2%	71.6%	69.7%
TERMINAL (d)	11/25 (44%)	21/30 (70%)	11/19 (58%)	15/17 (88%)
FIRST INCIDENCE	540	309	439	467
STATISTICAL TESTS				
POLY 3	P=0.047*	P<0.001**	P<0.001**	P<0.001**
POLY 1.5	P=0.042*	P<0.001**	P<0.001**	P<0.001**
POLY 6	P=0.049*	P<0.001**	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P=0.037*	P<0.001**	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P<0.001**	P<0.001**	P<0.001**

TDMS No. 88148 - 06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 04/15/2009
Time Report Requested: 09:57:26
First Dose M/F: 01/29/03 / 01/30/03
Lab: BAT

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

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

Lymph Node: Mediastinal Atrophy

LESION RATES

OVERALL (a)	0/1 (0%)	0/0 (0%)	0/4 (0%)	0/2 (0%)
POLY-3 RATE (b)	0/0.94	0/0.00	0/3.00	0/1.82
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/0 (0%)	0/0 (0%)	0/1 (0%)	0/1 (0%)
FIRST INCIDENCE	---	---	---	---

STATISTICAL TESTS

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

TDMS No. 88148 - 06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 04/15/2009
Time Report Requested: 09:57:26
First Dose M/F: 01/29/03 / 01/30/03
Lab: BAT

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

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Lymph Node: Mediastinal Hyperplasia Lymphoid				
LESION RATES				
OVERALL (a)	0/1 (0%)	0/0 (0%)	0/4 (0%)	0/2 (0%)
POLY-3 RATE (b)	0/0.94	0/0.00	0/3.00	0/1.82
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/0 (0%)	0/0 (0%)	0/1 (0%)	0/1 (0%)
FIRST INCIDENCE	---	---	---	---
STATISTICAL TESTS				
POLY 3	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)

TDMS No. 88148 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 04/15/2009
 Time Report Requested: 09:57:26
 First Dose M/F: 01/29/03 / 01/30/03
 Lab: BAT

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

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Mammary Gland				
Galactocele				
LESION RATES				
OVERALL (a)	3/50 (6%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	3/39.78	0/38.12	0/36.72	0/37.78
POLY-3 PERCENT (g)	7.5%	0%	0%	0%
TERMINAL (d)	1/25 (4%)	0/30 (0%)	0/19 (0%)	0/17 (0%)
FIRST INCIDENCE	540	---	---	---
STATISTICAL TESTS				
POLY 3	P=0.139N	P=0.126N	P=0.133N	P=0.127N
POLY 1.5	P=0.139N	P=0.125N	P=0.126N	P=0.122N
POLY 6	P=0.142N	P=0.123N	P=0.144N	P=0.136N
COCH-ARM / FISHERS	P=0.149N	P=0.121N	P=0.121N	P=0.121N
MAX-ISO-POLY-3	P=0.014N*	P=0.044N*	P=0.050N*	P=0.045N*

TDMS No. 88148 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 04/15/2009
 Time Report Requested: 09:57:26
 First Dose M/F: 01/29/03 / 01/30/03
 Lab: BAT

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

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Mammary Gland Hyperplasia				
LESION RATES				
OVERALL (a)	4/50 (8%)	11/50 (22%)	11/50 (22%)	4/50 (8%)
POLY-3 RATE (b)	4/40.25	11/39.29	11/38.52	4/38.62
POLY-3 PERCENT (g)	9.9%	28%	28.6%	10.4%
TERMINAL (d)	1/25 (4%)	9/30 (30%)	5/19 (26%)	3/17 (18%)
FIRST INCIDENCE	478	527	439	401
STATISTICAL TESTS				
POLY 3	P=0.204N	P=0.035*	P=0.031*	P=0.622
POLY 1.5	P=0.187N	P=0.036*	P=0.036*	P=0.635
POLY 6	P=0.247N	P=0.038*	P=0.025*	P=0.595
COCH-ARM / FISHERS	P=0.187N	P=0.045*	P=0.045*	P=0.643N
MAX-ISO-POLY-3	P=0.128	P=0.019*	P=0.017*	P=0.475

TDMS No. 88148 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 04/15/2009
 Time Report Requested: 09:57:26
 First Dose M/F: 01/29/03 / 01/30/03
 Lab: BAT

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

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Mesentery: Fat Necrosis				
LESION RATES				
OVERALL (a)	1/3 (33%)	1/2 (50%)	0/1 (0%)	2/3 (67%)
POLY-3 RATE (b)	1/2.94	1/2.00	0/1.00	2/2.45
POLY-3 PERCENT (g)	34%	50%	0%	81.6%
TERMINAL (d)	1/2 (50%)	1/2 (50%)	0/1 (0%)	1/1 (100%)
FIRST INCIDENCE	727 (T)	727 (T)	---	705
STATISTICAL TESTS				
POLY 3	P=0.318	P=0.676	P=0.690N	P=0.411
POLY 1.5	P=0.354	P=0.673	P=0.691N	P=0.451
POLY 6	P=0.276	P=0.682	P=0.689N	P=0.360
COCH-ARM / FISHERS	P=0.384	P=0.700	P=0.750N	P=0.500
MAX-ISO-POLY-3	P=0.311	P=0.396	P=0.337N	P=0.167

TDMS No. 88148 - 06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
3,3',4,4'-Tetrachloroazobenzene
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First Dose M/F: 01/29/03 / 01/30/03
Lab: BAT

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

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
<hr/>				
Nose				
Foreign Body				
<hr/>				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/38.86	0/38.12	0/36.72	0/37.78
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/25 (0%)	0/30 (0%)	0/19 (0%)	0/17 (0%)
FIRST INCIDENCE	---	---	---	---
<hr/>				
STATISTICAL TESTS				
POLY 3	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)

TDMS No. 88148 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 04/15/2009
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 First Dose M/F: 01/29/03 / 01/30/03
 Lab: BAT

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

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Nose Inflammation				
LESION RATES				
OVERALL (a)	0/50 (0%)	7/50 (14%)	6/50 (12%)	8/50 (16%)
POLY-3 RATE (b)	0/38.86	7/38.70	6/37.64	8/39.38
POLY-3 PERCENT (g)	0%	18.1%	15.9%	20.3%
TERMINAL (d)	0/25 (0%)	6/30 (20%)	4/19 (21%)	3/17 (18%)
FIRST INCIDENCE	---	544	587	551
STATISTICAL TESTS				
POLY 3	P=0.046*	P=0.007**	P=0.013*	P=0.003**
POLY 1.5	P=0.048*	P=0.007**	P=0.014*	P=0.004**
POLY 6	P=0.043*	P=0.008**	P=0.011*	P=0.003**
COCH-ARM / FISHERS	P=0.049*	P=0.006**	P=0.013*	P=0.003**
MAX-ISO-POLY-3	P=0.006**	P=0.002**	P=0.004**	P<0.001**

TDMS No. 88148 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

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 First Dose M/F: 01/29/03 / 01/30/03
 Lab: BAT

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

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Oral Mucosa: Gingival Hyperplasia				
LESION RATES				
OVERALL (a)	0/50 (0%)	8/50 (16%)	24/50 (48%)	24/50 (48%)
POLY-3 RATE (b)	0/38.86	8/39.21	24/40.52	24/43.32
POLY-3 PERCENT (g)	0%	20.4%	59.2%	55.4%
TERMINAL (d)	0/25 (0%)	6/30 (20%)	12/19 (63%)	9/17 (53%)
FIRST INCIDENCE	---	527	560	401
STATISTICAL TESTS				
POLY 3	P<0.001**	P=0.003**	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P=0.003**	P<0.001**	P<0.001**
POLY 6	P<0.001**	P=0.004**	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.003**	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P<0.001**	P<0.001**	P<0.001**

TDMS No. 88148 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

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 First Dose M/F: 01/29/03 / 01/30/03
 Lab: BAT

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

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Oral Mucosa: Gingival Hyperplasia Cystic Keratinizing				
LESION RATES				
OVERALL (a)	0/50 (0%)	4/50 (8%)	9/50 (18%)	13/50 (26%)
POLY-3 RATE (b)	0/38.86	4/38.12	9/37.21	13/39.73
POLY-3 PERCENT (g)	0%	10.5%	24.2%	32.7%
TERMINAL (d)	0/25 (0%)	4/30 (13%)	6/19 (32%)	4/17 (24%)
FIRST INCIDENCE	---	727 (T)	659	558
STATISTICAL TESTS				
POLY 3	P<0.001**	P=0.057	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P=0.056	P<0.001**	P<0.001**
POLY 6	P<0.001**	P=0.060	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.059	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P=0.019*	P<0.001**	P<0.001**

TDMS No. 88148 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 04/15/2009
 Time Report Requested: 09:57:26
 First Dose M/F: 01/29/03 / 01/30/03
 Lab: BAT

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

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Ovary Cyst				
LESION RATES				
OVERALL (a)	12/50 (24%)	8/50 (16%)	13/50 (26%)	12/50 (24%)
POLY-3 RATE (b)	12/40.82	8/39.15	13/39.43	12/40.52
POLY-3 PERCENT (g)	29.4%	20.4%	33%	29.6%
TERMINAL (d)	6/25 (24%)	5/30 (17%)	7/19 (37%)	4/17 (24%)
FIRST INCIDENCE	548	553	525	378
STATISTICAL TESTS				
POLY 3	P=0.411	P=0.251N	P=0.458	P=0.589
POLY 1.5	P=0.421	P=0.250N	P=0.477	P=0.593N
POLY 6	P=0.374	P=0.240N	P=0.421	P=0.564
COCH-ARM / FISHERS	P=0.397	P=0.227N	P=0.500	P=0.592N
MAX-ISO-POLY-3	P=0.422	P=0.181N	P=0.364	P=0.491

TDMS No. 88148 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 04/15/2009
 Time Report Requested: 09:57:26
 First Dose M/F: 01/29/03 / 01/30/03
 Lab: BAT

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

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Ovary Inflammation				
LESION RATES				
OVERALL (a)	0/50 (0%)	1/50 (2%)	2/50 (4%)	5/50 (10%)
POLY-3 RATE (b)	0/38.86	1/38.12	2/37.66	5/39.27
POLY-3 PERCENT (g)	0%	2.6%	5.3%	12.7%
TERMINAL (d)	0/25 (0%)	1/30 (3%)	0/19 (0%)	0/17 (0%)
FIRST INCIDENCE	---	727 (T)	580	588
STATISTICAL TESTS				
POLY 3	P=0.009**	P=0.496	P=0.229	P=0.030*
POLY 1.5	P=0.009**	P=0.495	P=0.233	P=0.031*
POLY 6	P=0.008**	P=0.502	P=0.224	P=0.029*
COCH-ARM / FISHERS	P=0.009**	P=0.500	P=0.247	P=0.028*
MAX-ISO-POLY-3	P=0.008**	P=0.158	P=0.075	P=0.010**

TDMS No. 88148 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

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 Lab: BAT

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

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Oviduct Cyst				
LESION RATES				
OVERALL (a)	0/2 (0%)	0/0 (0%)	2/3 (67%)	0/2 (0%)
POLY-3 RATE (b)	0/2.00	0/0.00	2/2.65	0/1.54
POLY-3 PERCENT (g)	0%	0%	75.6%	0%
TERMINAL (d)	0/2 (0%)	0/0 (0%)	1/1 (100%)	0/1 (0%)
FIRST INCIDENCE	---	---	716	---
STATISTICAL TESTS				
POLY 3	(e)	(e)	P=0.205	(e)
POLY 1.5	(e)	(e)	P=0.241	(e)
POLY 6	(e)	(e)	P=0.144	(e)
COCH-ARM / FISHERS	P=0.603N	(e)	P=0.300	(e)
MAX-ISO-POLY-3	(e)	(e)	P=0.029*	(e)

TDMS No. 88148 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 04/15/2009
 Time Report Requested: 09:57:26
 First Dose M/F: 01/29/03 / 01/30/03
 Lab: BAT

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

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Oviduct Inflammation				
LESION RATES				
OVERALL (a)	2/2 (100%)	0/0 (0%)	1/3 (33%)	2/2 (100%)
POLY-3 RATE (b)	2/2.00	0/0.00	1/2.96	2/2.00
POLY-3 PERCENT (g)	100%	0%	33.8%	100%
TERMINAL (d)	2/2 (100%)	0/0 (0%)	0/1 (0%)	1/1 (100%)
FIRST INCIDENCE	727 (T)	---	628	590
STATISTICAL TESTS				
POLY 3	(e)	(e)	P=0.285N	(e)
POLY 1.5	(e)	(e)	P=0.283N	(e)
POLY 6	(e)	(e)	P=0.290N	(e)
COCH-ARM / FISHERS	P=0.603	(e)	P=0.300N	(e)
MAX-ISO-POLY-3	(e)	(e)	P=0.077N	(e)

TDMS No. 88148 - 06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 04/15/2009
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First Dose M/F: 01/29/03 / 01/30/03
Lab: BAT

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

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Pancreas				
Atrophy				
LESION RATES				
OVERALL (a)	0/50 (0%)	11/49 (22%)	12/49 (24%)	13/49 (27%)
POLY-3 RATE (b)	0/38.86	11/40.07	12/37.36	13/42.48
POLY-3 PERCENT (g)	0%	27.5%	32.1%	30.6%
TERMINAL (d)	0/25 (0%)	6/30 (20%)	9/19 (47%)	4/17 (24%)
FIRST INCIDENCE	---	335	628	378
STATISTICAL TESTS				
POLY 3	P=0.018*	P<0.001**	P<0.001**	P<0.001**
POLY 1.5	P=0.015*	P<0.001**	P<0.001**	P<0.001**
POLY 6	P=0.019*	P<0.001**	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P=0.011*	P<0.001**	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P<0.001**	P<0.001**	P<0.001**

TDMS No. 88148 - 06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 04/15/2009
Time Report Requested: 09:57:26
First Dose M/F: 01/29/03 / 01/30/03
Lab: BAT

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

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Pancreas Inflammation				
LESION RATES				
OVERALL (a)	1/50 (2%)	1/49 (2%)	4/49 (8%)	6/49 (12%)
POLY-3 RATE (b)	1/39.33	1/38.11	4/36.71	6/39.64
POLY-3 PERCENT (g)	2.5%	2.6%	10.9%	15.1%
TERMINAL (d)	0/25 (0%)	1/30 (3%)	3/19 (16%)	2/17 (12%)
FIRST INCIDENCE	588	727 (T)	688	378
STATISTICAL TESTS				
POLY 3	P=0.018*	P=0.754	P=0.156	P=0.055
POLY 1.5	P=0.018*	P=0.753	P=0.164	P=0.056
POLY 6	P=0.016*	P=0.759	P=0.143	P=0.052
COCH-ARM / FISHERS	P=0.017*	P=0.747	P=0.175	P=0.053
MAX-ISO-POLY-3	P=0.028*	P=0.490	P=0.076	P=0.024*

TDMS No. 88148 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 04/15/2009
 Time Report Requested: 09:57:26
 First Dose M/F: 01/29/03 / 01/30/03
 Lab: BAT

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

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Pancreas: Acinus Hyperplasia				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/49 (0%)	1/49 (2%)	1/49 (2%)
POLY-3 RATE (b)	0/38.86	0/38.11	1/36.56	1/38.44
POLY-3 PERCENT (g)	0%	0%	2.7%	2.6%
TERMINAL (d)	0/25 (0%)	0/30 (0%)	1/19 (5%)	0/17 (0%)
FIRST INCIDENCE	---	---	727 (T)	467
STATISTICAL TESTS				
POLY 3	P=0.325	(e)	P=0.488	P=0.498
POLY 1.5	P=0.328	(e)	P=0.492	P=0.499
POLY 6	P=0.312	(e)	P=0.480	P=0.493
COCH-ARM / FISHERS	P=0.322	(e)	P=0.495	P=0.495
MAX-ISO-POLY-3	P=0.247	(e)	P=0.157	P=0.157

TDMS No. 88148 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 04/15/2009
 Time Report Requested: 09:57:26
 First Dose M/F: 01/29/03 / 01/30/03
 Lab: BAT

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

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Pancreas: Acinus Vacuolization Cytoplasmic				
LESION RATES				
OVERALL (a)	0/50 (0%)	27/49 (55%)	33/49 (67%)	40/49 (82%)
POLY-3 RATE (b)	0/38.86	27/41.82	33/44.09	40/46.42
POLY-3 PERCENT (g)	0%	64.6%	74.9%	86.2%
TERMINAL (d)	0/25 (0%)	21/30 (70%)	15/19 (79%)	15/17 (88%)
FIRST INCIDENCE	---	271	229	378
STATISTICAL TESTS				
POLY 3	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 6	P<0.001**	P<0.001**	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P<0.001**	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P<0.001**	P<0.001**	P<0.001**

TDMS No. 88148 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 04/15/2009
 Time Report Requested: 09:57:26
 First Dose M/F: 01/29/03 / 01/30/03
 Lab: BAT

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

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Parathyroid Gland Hyperplasia				
LESION RATES				
OVERALL (a)	0/46 (0%)	0/46 (0%)	0/46 (0%)	2/45 (4%)
POLY-3 RATE (b)	0/36.07	0/36.18	0/34.62	2/34.48
POLY-3 PERCENT (g)	0%	0%	0%	5.8%
TERMINAL (d)	0/23 (0%)	0/30 (0%)	0/19 (0%)	1/15 (7%)
FIRST INCIDENCE	---	---	---	378
STATISTICAL TESTS				
POLY 3	P=0.038*	(e)	(e)	P=0.226
POLY 1.5	P=0.039*	(e)	(e)	P=0.230
POLY 6	P=0.035*	(e)	(e)	P=0.218
COCH-ARM / FISHERS	P=0.040*	(e)	(e)	P=0.242
MAX-ISO-POLY-3	P=0.033*	(e)	(e)	P=0.074

TDMS No. 88148 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 04/15/2009
 Time Report Requested: 09:57:26
 First Dose M/F: 01/29/03 / 01/30/03
 Lab: BAT

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

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Pituitary Gland Necrosis				
LESION RATES				
OVERALL (a)	1/50 (2%)	0/50 (0%)	2/50 (4%)	0/50 (0%)
POLY-3 RATE (b)	1/38.86	0/38.12	2/37.28	0/37.78
POLY-3 PERCENT (g)	2.6%	0%	5.4%	0%
TERMINAL (d)	1/25 (4%)	0/30 (0%)	0/19 (0%)	0/17 (0%)
FIRST INCIDENCE	727 (T)	---	634	---
STATISTICAL TESTS				
POLY 3	P=0.446N	P=0.504N	P=0.485	P=0.506N
POLY 1.5	P=0.439N	P=0.505N	P=0.492	P=0.502N
POLY 6	P=0.464N	P=0.498N	P=0.476	P=0.513N
COCH-ARM / FISHERS	P=0.441N	P=0.500N	P=0.500	P=0.500N
MAX-ISO-POLY-3	P=0.336N	P=0.163N	P=0.271	P=0.165N

TDMS No. 88148 - 06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
3,3',4,4'-Tetrachloroazobenzene
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Lab: BAT

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

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Pituitary Gland: Pars Distalis Hyperplasia				
LESION RATES				
OVERALL (a)	20/50 (40%)	13/50 (26%)	12/50 (24%)	19/50 (38%)
POLY-3 RATE (b)	20/40.99	13/38.62	12/38.04	19/41.16
POLY-3 PERCENT (g)	48.8%	33.7%	31.6%	46.2%
TERMINAL (d)	12/25 (48%)	11/30 (37%)	8/19 (42%)	9/17 (53%)
FIRST INCIDENCE	548	587	525	401
STATISTICAL TESTS				
POLY 3	P=0.372	P=0.120N	P=0.083N	P=0.493N
POLY 1.5	P=0.368	P=0.117N	P=0.073N	P=0.486N
POLY 6	P=0.347	P=0.116N	P=0.110N	P=0.527N
COCH-ARM / FISHERS	P=0.328	P=0.101N	P=0.066N	P=0.500N
MAX-ISO-POLY-3	P=0.217N	P=0.086N	P=0.059N	P=0.401N

TDMS No. 88148 - 06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
3,3',4,4'-Tetrachloroazobenzene
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First Dose M/F: 01/29/03 / 01/30/03
Lab: BAT

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

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Salivary Glands Atrophy				
LESION RATES				
OVERALL (a)	1/50 (2%)	1/49 (2%)	0/50 (0%)	2/49 (4%)
POLY-3 RATE (b)	1/38.86	1/38.00	0/36.72	2/37.56
POLY-3 PERCENT (g)	2.6%	2.6%	0%	5.3%
TERMINAL (d)	1/25 (4%)	1/30 (3%)	0/19 (0%)	0/16 (0%)
FIRST INCIDENCE	727 (T)	727 (T)	---	467
STATISTICAL TESTS				
POLY 3	P=0.319	P=0.756	P=0.511N	P=0.488
POLY 1.5	P=0.323	P=0.753	P=0.506N	P=0.492
POLY 6	P=0.309	P=0.759N	P=0.520N	P=0.478
COCH-ARM / FISHERS	P=0.321	P=0.747	P=0.500N	P=0.492
MAX-ISO-POLY-3	P=0.273	P=0.493	P=0.172N	P=0.272

TDMS No. 88148 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 3,3',4,4'-Tetrachloroazobenzene
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 Lab: BAT

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

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Skin				
Cyst Epithelial Inclusion				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	0/38.86	0/38.12	0/36.72	1/38.18
POLY-3 PERCENT (g)	0%	0%	0%	2.6%
TERMINAL (d)	0/25 (0%)	0/30 (0%)	0/19 (0%)	0/17 (0%)
FIRST INCIDENCE	---	---	---	616
STATISTICAL TESTS				
POLY 3	P=0.219	(e)	(e)	P=0.496
POLY 1.5	P=0.222	(e)	(e)	P=0.499
POLY 6	P=0.213	(e)	(e)	P=0.491
COCH-ARM / FISHERS	P=0.221	(e)	(e)	P=0.500
MAX-ISO-POLY-3	P=0.126	(e)	(e)	P=0.158

TDMS No. 88148 - 06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 04/15/2009
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First Dose M/F: 01/29/03 / 01/30/03
Lab: BAT

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

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Skin				
Hyperplasia				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	0/38.86	0/38.12	0/36.72	1/37.92
POLY-3 PERCENT (g)	0%	0%	0%	2.6%
TERMINAL (d)	0/25 (0%)	0/30 (0%)	0/19 (0%)	0/17 (0%)
FIRST INCIDENCE	---	---	---	693
STATISTICAL TESTS				
POLY 3	P=0.218	(e)	(e)	P=0.495
POLY 1.5	P=0.221	(e)	(e)	P=0.498
POLY 6	P=0.212	(e)	(e)	P=0.489
COCH-ARM / FISHERS	P=0.221	(e)	(e)	P=0.500
MAX-ISO-POLY-3	P=0.126	(e)	(e)	P=0.158

TDMS No. 88148 - 06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
3,3',4,4'-Tetrachloroazobenzene
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First Dose M/F: 01/29/03 / 01/30/03
Lab: BAT

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

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Skin				
Inflammation				
<hr/>				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/38.86	0/38.12	0/36.72	0/37.78
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/25 (0%)	0/30 (0%)	0/19 (0%)	0/17 (0%)
FIRST INCIDENCE	---	---	---	---
<hr/>				
STATISTICAL TESTS				
POLY 3	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)

TDMS No. 88148 - 06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 04/15/2009
Time Report Requested: 09:57:26
First Dose M/F: 01/29/03 / 01/30/03
Lab: BAT

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

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Spleen				
Hematopoietic Cell Proliferation				
LESION RATES				
OVERALL (a)	41/50 (82%)	47/50 (94%)	45/49 (92%)	45/49 (92%)
POLY-3 RATE (b)	41/47.48	47/48.14	45/48.53	45/47.70
POLY-3 PERCENT (g)	86.3%	97.6%	92.7%	94.3%
TERMINAL (d)	22/25 (88%)	29/30 (97%)	16/19 (84%)	15/17 (88%)
FIRST INCIDENCE	232	271	229	378
STATISTICAL TESTS				
POLY 3	P=0.323	P=0.037*	P=0.235	P=0.149
POLY 1.5	P=0.310	P=0.030*	P=0.187	P=0.136
POLY 6	P=0.328	P=0.056	P=0.285	P=0.168
COCH-ARM / FISHERS	P=0.255	P=0.061	P=0.125	P=0.125
MAX-ISO-POLY-3	P=0.073	P=0.015*	P=0.145	P=0.081

TDMS No. 88148 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 04/15/2009
 Time Report Requested: 09:57:26
 First Dose M/F: 01/29/03 / 01/30/03
 Lab: BAT

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

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Spleen Pigmentation				
LESION RATES				
OVERALL (a)	31/50 (62%)	44/50 (88%)	42/49 (86%)	47/49 (96%)
POLY-3 RATE (b)	31/45.29	44/48.63	42/46.82	47/48.25
POLY-3 PERCENT (g)	68.5%	90.5%	89.7%	97.4%
TERMINAL (d)	17/25 (68%)	27/30 (90%)	16/19 (84%)	17/17 (100%)
FIRST INCIDENCE	232	153	229	378
STATISTICAL TESTS				
POLY 3	P<0.001**	P=0.005**	P=0.007**	P<0.001**
POLY 1.5	P<0.001**	P=0.003**	P=0.005**	P<0.001**
POLY 6	P<0.001**	P=0.010**	P=0.011*	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.002**	P=0.007**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P=0.003**	P=0.003**	P<0.001**

TDMS No. 88148 - 06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 04/15/2009
Time Report Requested: 09:57:26
First Dose M/F: 01/29/03 / 01/30/03
Lab: BAT

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

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Spleen: Lymphoid Follicle Atrophy				
LESION RATES				
OVERALL (a)	3/50 (6%)	4/50 (8%)	8/49 (16%)	10/49 (20%)
POLY-3 RATE (b)	3/39.58	4/40.46	8/39.15	10/40.50
POLY-3 PERCENT (g)	7.6%	9.9%	20.4%	24.7%
TERMINAL (d)	0/25 (0%)	0/30 (0%)	0/19 (0%)	0/17 (0%)
FIRST INCIDENCE	614	366	574	467
STATISTICAL TESTS				
POLY 3	P=0.020*	P=0.512	P=0.091	P=0.035*
POLY 1.5	P=0.021*	P=0.501	P=0.092	P=0.035*
POLY 6	P=0.018*	P=0.534	P=0.088	P=0.034*
COCH-ARM / FISHERS	P=0.019*	P=0.500	P=0.094	P=0.033*
MAX-ISO-POLY-3	P=0.028*	P=0.359	P=0.048*	P=0.018*

TDMS No. 88148 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

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 First Dose M/F: 01/29/03 / 01/30/03
 Lab: BAT

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

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Stomach, Forestomach Cyst				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/49 (0%)	0/50 (0%)	2/49 (4%)
POLY-3 RATE (b)	0/38.86	0/38.11	0/36.72	2/38.45
POLY-3 PERCENT (g)	0%	0%	0%	5.2%
TERMINAL (d)	0/25 (0%)	0/30 (0%)	0/19 (0%)	0/17 (0%)
FIRST INCIDENCE	---	---	---	536
STATISTICAL TESTS				
POLY 3	P=0.040*	(e)	(e)	P=0.234
POLY 1.5	P=0.041*	(e)	(e)	P=0.235
POLY 6	P=0.039*	(e)	(e)	P=0.229
COCH-ARM / FISHERS	P=0.041*	(e)	(e)	P=0.242
MAX-ISO-POLY-3	P=0.034*	(e)	(e)	P=0.074

TDMS No. 88148 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 04/15/2009
 Time Report Requested: 09:57:26
 First Dose M/F: 01/29/03 / 01/30/03
 Lab: BAT

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

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Stomach, Forestomach Inflammation				
LESION RATES				
OVERALL (a)	1/50 (2%)	3/49 (6%)	5/50 (10%)	7/49 (14%)
POLY-3 RATE (b)	1/38.98	3/38.58	5/38.05	7/39.01
POLY-3 PERCENT (g)	2.6%	7.8%	13.1%	18%
TERMINAL (d)	0/25 (0%)	2/30 (7%)	1/19 (5%)	1/17 (6%)
FIRST INCIDENCE	696	589	574	590
STATISTICAL TESTS				
POLY 3	P=0.026*	P=0.301	P=0.093	P=0.028*
POLY 1.5	P=0.027*	P=0.297	P=0.097	P=0.029*
POLY 6	P=0.024*	P=0.312	P=0.088	P=0.027*
COCH-ARM / FISHERS	P=0.027*	P=0.301	P=0.102	P=0.028*
MAX-ISO-POLY-3	P=0.020*	P=0.150	P=0.042*	P=0.011*

TDMS No. 88148 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 04/15/2009
 Time Report Requested: 09:57:26
 First Dose M/F: 01/29/03 / 01/30/03
 Lab: BAT

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

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Stomach, Forestomach Mineralization				
LESION RATES				
OVERALL (a)	2/50 (4%)	2/49 (4%)	1/50 (2%)	0/49 (0%)
POLY-3 RATE (b)	2/39.72	2/38.86	1/36.72	0/37.70
POLY-3 PERCENT (g)	5%	5.2%	2.7%	0%
TERMINAL (d)	1/25 (4%)	1/30 (3%)	1/19 (5%)	0/17 (0%)
FIRST INCIDENCE	372	460	727 (T)	---
STATISTICAL TESTS				
POLY 3	P=0.154N	P=0.687	P=0.528N	P=0.248N
POLY 1.5	P=0.151N	P=0.683	P=0.516N	P=0.244N
POLY 6	P=0.162N	P=0.692N	P=0.545N	P=0.257N
COCH-ARM / FISHERS	P=0.150N	P=0.684	P=0.500N	P=0.253N
MAX-ISO-POLY-3	P=0.175N	P=0.490	P=0.309N	P=0.086N

TDMS No. 88148 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 04/15/2009
 Time Report Requested: 09:57:26
 First Dose M/F: 01/29/03 / 01/30/03
 Lab: BAT

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

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Stomach, Forestomach Necrosis				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/49 (0%)	3/50 (6%)	2/49 (4%)
POLY-3 RATE (b)	0/38.86	0/38.11	3/37.52	2/38.05
POLY-3 PERCENT (g)	0%	0%	8%	5.3%
TERMINAL (d)	0/25 (0%)	0/30 (0%)	1/19 (5%)	1/17 (6%)
FIRST INCIDENCE	---	---	612	632
STATISTICAL TESTS				
POLY 3	P=0.169	(e)	P=0.111	P=0.232
POLY 1.5	P=0.174	(e)	P=0.114	P=0.234
POLY 6	P=0.156	(e)	P=0.106	P=0.226
COCH-ARM / FISHERS	P=0.173	(e)	P=0.121	P=0.242
MAX-ISO-POLY-3	P=0.081	(e)	P=0.037*	P=0.074

TDMS No. 88148 - 06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 04/15/2009
Time Report Requested: 09:57:26
First Dose M/F: 01/29/03 / 01/30/03
Lab: BAT

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

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Stomach, Forestomach: Epithelium Hyperplasia				
LESION RATES				
OVERALL (a)	0/50 (0%)	32/49 (65%)	46/50 (92%)	46/49 (94%)
POLY-3 RATE (b)	0/38.86	32/41.56	46/46.94	46/47.54
POLY-3 PERCENT (g)	0%	77%	98%	96.8%
TERMINAL (d)	0/25 (0%)	25/30 (83%)	19/19 (100%)	16/17 (94%)
FIRST INCIDENCE	---	460	439	378
STATISTICAL TESTS				
POLY 3	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 6	P<0.001**	P<0.001**	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P<0.001**	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P<0.001**	P<0.001**	P<0.001**

TDMS No. 88148 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 04/15/2009
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 First Dose M/F: 01/29/03 / 01/30/03
 Lab: BAT

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

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Stomach, Glandular Inflammation				
LESION RATES				
OVERALL (a)	1/50 (2%)	0/49 (0%)	0/49 (0%)	0/49 (0%)
POLY-3 RATE (b)	1/38.92	0/38.11	0/36.56	0/37.70
POLY-3 PERCENT (g)	2.6%	0%	0%	0%
TERMINAL (d)	0/25 (0%)	0/30 (0%)	0/19 (0%)	0/17 (0%)
FIRST INCIDENCE	712	---	---	---
STATISTICAL TESTS				
POLY 3	P=0.500N	P=0.504N	P=0.512N	P=0.506N
POLY 1.5	P=0.500N	P=0.506N	P=0.508N	P=0.504N
POLY 6	P=0.502N	P=0.499N	P=0.521N	P=0.513N
COCH-ARM / FISHERS	P=0.502N	P=0.505N	P=0.505N	P=0.505N
MAX-ISO-POLY-3	P=0.137N	P=0.162N	P=0.172N	P=0.165N

TDMS No. 88148 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 3,3',4,4'-Tetrachloroazobenzene
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 Lab: BAT

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

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Stomach, Glandular Mineralization				
LESION RATES				
OVERALL (a)	0/50 (0%)	1/49 (2%)	1/49 (2%)	0/49 (0%)
POLY-3 RATE (b)	0/38.86	1/38.86	1/37.13	0/37.70
POLY-3 PERCENT (g)	0%	2.6%	2.7%	0%
TERMINAL (d)	0/25 (0%)	0/30 (0%)	0/19 (0%)	0/17 (0%)
FIRST INCIDENCE	---	460	548	---
STATISTICAL TESTS				
POLY 3	P=0.541N	P=0.500	P=0.491	(e)
POLY 1.5	P=0.538N	P=0.497	P=0.493	(e)
POLY 6	P=0.549N	P=0.507	P=0.485	(e)
COCH-ARM / FISHERS	P=0.539N	P=0.495	P=0.495	(e)
MAX-ISO-POLY-3	P=0.408	P=0.160	P=0.157	(e)

TDMS No. 88148 - 06
 Test Type: CHRONIC
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 Species/Strain: RATS/SD

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

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

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Thymus Atrophy				
LESION RATES				
OVERALL (a)	47/50 (94%)	49/50 (98%)	46/47 (98%)	50/50 (100%)
POLY-3 RATE (b)	47/48.44	49/49.98	46/46.51	50/50.00
POLY-3 PERCENT (g)	97%	98%	98.9%	100%
TERMINAL (d)	24/25 (96%)	30/30 (100%)	18/18 (100%)	17/17 (100%)
FIRST INCIDENCE	372	153	229	314
STATISTICAL TESTS				
POLY 3	P=0.239	P=0.634	P=0.535	P=0.333
POLY 1.5	P=0.196	P=0.535	P=0.485	P=0.240
POLY 6	P=0.285	P=0.705	P=0.545	P=0.425
COCH-ARM / FISHERS	P=0.124	P=0.309	P=0.332	P=0.121
MAX-ISO-POLY-3	P=0.154	P=0.366	P=0.229	P=0.090

TDMS No. 88148 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 3,3',4,4'-Tetrachloroazobenzene
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 Lab: BAT

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

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Thyroid Gland Inflammation				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/49 (0%)	2/50 (4%)	4/50 (8%)
POLY-3 RATE (b)	0/38.86	0/38.00	2/37.11	4/38.75
POLY-3 PERCENT (g)	0%	0%	5.4%	10.3%
TERMINAL (d)	0/25 (0%)	0/30 (0%)	1/19 (5%)	2/17 (12%)
FIRST INCIDENCE	---	---	615	401
STATISTICAL TESTS				
POLY 3	P=0.010**	(e)	P=0.226	P=0.059
POLY 1.5	P=0.011*	(e)	P=0.231	P=0.060
POLY 6	P=0.009**	(e)	P=0.219	P=0.055
COCH-ARM / FISHERS	P=0.012*	(e)	P=0.247	P=0.059
MAX-ISO-POLY-3	P=0.014*	(e)	P=0.075	P=0.019*

TDMS No. 88148 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 3,3',4,4'-Tetrachloroazobenzene
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 Lab: BAT

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

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Thyroid Gland: C-Cell Hyperplasia				
LESION RATES				
OVERALL (a)	12/50 (24%)	5/49 (10%)	3/50 (6%)	4/50 (8%)
POLY-3 RATE (b)	12/41.13	5/38.46	3/37.07	4/39.30
POLY-3 PERCENT (g)	29.2%	13%	8.1%	10.2%
TERMINAL (d)	7/25 (28%)	4/30 (13%)	2/19 (11%)	0/17 (0%)
FIRST INCIDENCE	548	589	628	481
STATISTICAL TESTS				
POLY 3	P=0.060N	P=0.065N	P=0.016N*	P=0.029N*
POLY 1.5	P=0.059N	P=0.065N	P=0.013N*	P=0.026N*
POLY 6	P=0.068N	P=0.063N	P=0.023N*	P=0.034N*
COCH-ARM / FISHERS	P=0.068N	P=0.059N	P=0.011N*	P=0.027N*
MAX-ISO-POLY-3	P=0.010N**	P=0.041N*	P=0.010N**	P=0.016N*

TDMS No. 88148 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 3,3',4,4'-Tetrachloroazobenzene
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 Lab: BAT

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

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Thyroid Gland: Follicular Cell Hyperplasia				
LESION RATES				
OVERALL (a)	0/50 (0%)	1/49 (2%)	3/50 (6%)	3/50 (6%)
POLY-3 RATE (b)	0/38.86	1/38.00	3/37.11	3/37.92
POLY-3 PERCENT (g)	0%	2.6%	8.1%	7.9%
TERMINAL (d)	0/25 (0%)	1/30 (3%)	2/19 (11%)	2/17 (12%)
FIRST INCIDENCE	---	727 (T)	615	693
STATISTICAL TESTS				
POLY 3	P=0.112	P=0.496	P=0.109	P=0.113
POLY 1.5	P=0.118	P=0.493	P=0.113	P=0.116
POLY 6	P=0.100	P=0.502	P=0.103	P=0.107
COCH-ARM / FISHERS	P=0.121	P=0.495	P=0.121	P=0.121
MAX-ISO-POLY-3	P=0.078	P=0.157	P=0.037*	P=0.037*

TDMS No. 88148 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 3,3',4,4'-Tetrachloroazobenzene
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 Lab: BAT

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

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Thyroid Gland: Follicular Cell Hypertrophy				
LESION RATES				
OVERALL (a)	0/50 (0%)	1/49 (2%)	2/50 (4%)	4/50 (8%)
POLY-3 RATE (b)	0/38.86	1/38.00	2/36.72	4/39.03
POLY-3 PERCENT (g)	0%	2.6%	5.5%	10.3%
TERMINAL (d)	0/25 (0%)	1/30 (3%)	2/19 (11%)	2/17 (12%)
FIRST INCIDENCE	---	727 (T)	727 (T)	401
STATISTICAL TESTS				
POLY 3	P=0.030*	P=0.496	P=0.224	P=0.060
POLY 1.5	P=0.032*	P=0.493	P=0.230	P=0.061
POLY 6	P=0.028*	P=0.502	P=0.214	P=0.056
COCH-ARM / FISHERS	P=0.031*	P=0.495	P=0.247	P=0.059
MAX-ISO-POLY-3	P=0.023*	P=0.157	P=0.075	P=0.019*

TDMS No. 88148 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 04/15/2009
 Time Report Requested: 09:57:26
 First Dose M/F: 01/29/03 / 01/30/03
 Lab: BAT

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

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Tooth: Peridental Tissue Inflammation				
LESION RATES				
OVERALL (a)	5/50 (10%)	10/50 (20%)	14/50 (28%)	9/50 (18%)
POLY-3 RATE (b)	5/39.81	10/39.29	14/38.15	9/38.49
POLY-3 PERCENT (g)	12.6%	25.5%	36.7%	23.4%
TERMINAL (d)	2/25 (8%)	8/30 (27%)	9/19 (47%)	4/17 (24%)
FIRST INCIDENCE	560	527	593	649
STATISTICAL TESTS				
POLY 3	P=0.356	P=0.117	P=0.010**	P=0.167
POLY 1.5	P=0.386	P=0.117	P=0.013*	P=0.181
POLY 6	P=0.300	P=0.126	P=0.007**	P=0.146
COCH-ARM / FISHERS	P=0.400	P=0.131	P=0.020*	P=0.194
MAX-ISO-POLY-3	P=0.056	P=0.071	P=0.006**	P=0.107

TDMS No. 88148 - 06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 04/15/2009
Time Report Requested: 09:57:26
First Dose M/F: 01/29/03 / 01/30/03
Lab: BAT

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

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG

Ureter: Transitional Epithelium
Hyperplasia

LESION RATES

OVERALL (a)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
POLY-3 RATE (b)	0/0.00	0/0.00	0/0.00	0/0.00
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	---

STATISTICAL TESTS

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

TDMS No. 88148 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

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

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Urethra: Transitional Epithelium Hyperplasia				
LESION RATES				
OVERALL (a)	0/50 (0%)	1/50 (2%)	1/50 (2%)	1/49 (2%)
POLY-3 RATE (b)	0/38.86	1/38.12	1/36.76	1/37.07
POLY-3 PERCENT (g)	0%	2.6%	2.7%	2.7%
TERMINAL (d)	0/25 (0%)	1/30 (3%)	0/19 (0%)	1/17 (6%)
FIRST INCIDENCE	---	727 (T)	716	727 (T)
STATISTICAL TESTS				
POLY 3	P=0.485	P=0.496	P=0.489	P=0.491
POLY 1.5	P=0.492	P=0.495	P=0.494	P=0.494
POLY 6	P=0.471	P=0.502	P=0.481	P=0.484
COCH-ARM / FISHERS	P=0.494	P=0.500	P=0.500	P=0.495
MAX-ISO-POLY-3	P=0.331	P=0.158	P=0.158	P=0.157

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

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Urinary Bladder Inflammation				
LESION RATES				
OVERALL (a)	0/50 (0%)	1/50 (2%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	0/38.86	1/38.12	0/36.72	1/37.78
POLY-3 PERCENT (g)	0%	2.6%	0%	2.7%
TERMINAL (d)	0/25 (0%)	1/30 (3%)	0/19 (0%)	1/17 (6%)
FIRST INCIDENCE	---	727 (T)	---	727 (T)
STATISTICAL TESTS				
POLY 3	P=0.457	P=0.496	(e)	P=0.494
POLY 1.5	P=0.461	P=0.495	(e)	P=0.498
POLY 6	P=0.449	P=0.502	(e)	P=0.487
COCH-ARM / FISHERS	P=0.464	P=0.500	(e)	P=0.500
MAX-ISO-POLY-3	P=0.257	P=0.158	(e)	P=0.158

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

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Uterus				
Angiectasis				
LESION RATES				
OVERALL (a)	0/50 (0%)	1/50 (2%)	1/50 (2%)	2/50 (4%)
POLY-3 RATE (b)	0/38.86	1/38.12	1/36.94	2/37.82
POLY-3 PERCENT (g)	0%	2.6%	2.7%	5.3%
TERMINAL (d)	0/25 (0%)	1/30 (3%)	0/19 (0%)	1/17 (6%)
FIRST INCIDENCE	---	727 (T)	668	718
STATISTICAL TESTS				
POLY 3	P=0.194	P=0.496	P=0.490	P=0.230
POLY 1.5	P=0.200	P=0.495	P=0.494	P=0.234
POLY 6	P=0.183	P=0.502	P=0.483	P=0.223
COCH-ARM / FISHERS	P=0.200	P=0.500	P=0.500	P=0.247
MAX-ISO-POLY-3	P=0.123	P=0.158	P=0.158	P=0.075

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

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Uterus Cyst				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	2/50 (4%)
POLY-3 RATE (b)	0/38.86	0/38.12	0/36.72	2/37.78
POLY-3 PERCENT (g)	0%	0%	0%	5.3%
TERMINAL (d)	0/25 (0%)	0/30 (0%)	0/19 (0%)	2/17 (12%)
FIRST INCIDENCE	---	---	---	727 (T)
STATISTICAL TESTS				
POLY 3	P=0.040*	(e)	(e)	P=0.230
POLY 1.5	P=0.041*	(e)	(e)	P=0.234
POLY 6	P=0.037*	(e)	(e)	P=0.222
COCH-ARM / FISHERS	P=0.042*	(e)	(e)	P=0.247
MAX-ISO-POLY-3	P=0.034*	(e)	(e)	P=0.075

TDMS No. 88148 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/SD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 3,3',4,4'-Tetrachloroazobenzene
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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(SD)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Uterus Inflammation				
LESION RATES				
OVERALL (a)	4/50 (8%)	5/50 (10%)	3/50 (6%)	3/50 (6%)
POLY-3 RATE (b)	4/38.86	5/40.50	3/38.25	3/39.01
POLY-3 PERCENT (g)	10.3%	12.4%	7.8%	7.7%
TERMINAL (d)	4/25 (16%)	1/30 (3%)	0/19 (0%)	0/17 (0%)
FIRST INCIDENCE	727 (T)	335	391	523
STATISTICAL TESTS				
POLY 3	P=0.369N	P=0.526	P=0.509N	P=0.498N
POLY 1.5	P=0.363N	P=0.507	P=0.504N	P=0.497N
POLY 6	P=0.386N	P=0.562	P=0.519N	P=0.504N
COCH-ARM / FISHERS	P=0.366N	P=0.500	P=0.500N	P=0.500N
MAX-ISO-POLY-3	P=0.471N	P=0.387	P=0.354N	P=0.344N

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

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Uterus: Endometrium Hyperplasia Cystic				
LESION RATES				
OVERALL (a)	15/50 (30%)	4/50 (8%)	5/50 (10%)	6/50 (12%)
POLY-3 RATE (b)	15/40.79	4/39.59	5/37.34	6/37.95
POLY-3 PERCENT (g)	36.8%	10.1%	13.4%	15.8%
TERMINAL (d)	12/25 (48%)	2/30 (7%)	4/19 (21%)	5/17 (29%)
FIRST INCIDENCE	406	335	525	684
STATISTICAL TESTS				
POLY 3	P=0.130N	P=0.004N**	P=0.014N*	P=0.028N*
POLY 1.5	P=0.120N	P=0.004N**	P=0.012N*	P=0.025N*
POLY 6	P=0.156N	P=0.003N**	P=0.018N*	P=0.035N*
COCH-ARM / FISHERS	P=0.127N	P=0.005N**	P=0.011N*	P=0.024N*
MAX-ISO-POLY-3	P=0.006N**	P=0.002N**	P=0.009N**	P=0.018N*

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

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Uterus: Endometrium Metaplasia				
LESION RATES				
OVERALL (a)	20/50 (40%)	28/50 (56%)	22/50 (44%)	22/50 (44%)
POLY-3 RATE (b)	20/42.52	28/44.23	22/42.35	22/42.33
POLY-3 PERCENT (g)	47%	63.3%	52%	52%
TERMINAL (d)	13/25 (52%)	18/30 (60%)	7/19 (37%)	10/17 (59%)
FIRST INCIDENCE	406	271	460	536
STATISTICAL TESTS				
POLY 3	P=0.468N	P=0.087	P=0.405	P=0.404
POLY 1.5	P=0.448N	P=0.078	P=0.403	P=0.410
POLY 6	P=0.500N	P=0.112	P=0.417	P=0.397
COCH-ARM / FISHERS	P=0.435N	P=0.080	P=0.420	P=0.420
MAX-ISO-POLY-3	P=0.328	P=0.060	P=0.321	P=0.320

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

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Vagina: Epithelium Hyperplasia				
LESION RATES				
OVERALL (a)	2/2 (100%)	2/2 (100%)	0/0 (0%)	1/4 (25%)
POLY-3 RATE (b)	2/2.00	2/2.00	0/0.00	1/3.25
POLY-3 PERCENT (g)	100%	100%	0%	30.8%
TERMINAL (d)	1/1 (100%)	2/2 (100%)	0/0 (0%)	1/2 (50%)
FIRST INCIDENCE	649	727 (T)	---	727 (T)
STATISTICAL TESTS				
POLY 3	(e)	(e)	(e)	P=0.211N
POLY 1.5	(e)	(e)	(e)	P=0.182N
POLY 6	(e)	(e)	(e)	P=0.280N
COCH-ARM / FISHERS	P=0.050N*	(e)	(e)	P=0.200N
MAX-ISO-POLY-3	(e)	(e)	(e)	P=0.035N*

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LEGEND

- (a) Number of tumor-bearing animals/number of animals examined at site.
 - (b) Number of tumor-bearing animals/Poly-3 number
 - (d) Observed incidence at terminal kill.
 - (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.
 - (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 ***