

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

3,3',4,4'-Tetrachloroazobenzene

CAS Number: 14047-09-7

Date Report Requested: 07/18/2008

Time Report Requested: 08:29:30

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

Lab: BAT

F2_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: 2.0.0

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HISTORICAL CONTROL STUDIES From October 2007 Report

SAME ROUTE

- 96020-01 -- TEF evaluation (Binary mixture; PCB 126/PCB 153) (GAVAGE CORN OIL : ACETONE (99 : 1))
- 96007-04 -- TEF evaluation (Dioxin mixture) (GAVAGE CORN OIL : ACETONE (99 : 1))
- 96022-02 -- Tef Evaluation (Pcb Mixture; Pcb 126/Pcb 118) (GAVAGE CORN OIL : ACETONE (99 : 1))
- 96007-05 -- TEF evaluation (PECDF (Pentachlorodibenzofuran)) (GAVAGE CORN OIL : ACETONE (99 : 1))
- 96007-03 -- TEF evaluation (TCDD) (GAVAGE CORN OIL : ACETONE (99 : 1))
- 96007-01 -- Toxic equivalency factor evaluation ((PCB 126) 3,3',4,4',5-pentachlorobiphenyl) (GAVAGE CORN OIL : ACETONE (99 : 1))
- 96021-01 -- Toxic equivalency factor evaluation (PCB 153- 2,2'-4,4',5,5'-hexachlorobiphenyl) (GAVAGE CORN OIL : ACETONE (99 : 1))

ALL ROUTES

- 96020-01 -- TEF evaluation (Binary mixture; PCB 126/PCB 153) (GAVAGE CORN OIL : ACETONE (99 : 1))
- 96007-04 -- TEF evaluation (Dioxin mixture) (GAVAGE CORN OIL : ACETONE (99 : 1))
- 96022-02 -- Tef Evaluation (Pcb Mixture; Pcb 126/Pcb 118) (GAVAGE CORN OIL : ACETONE (99 : 1))
- 96007-05 -- TEF evaluation (PECDF (Pentachlorodibenzofuran)) (GAVAGE CORN OIL : ACETONE (99 : 1))
- 96007-03 -- TEF evaluation (TCDD) (GAVAGE CORN OIL : ACETONE (99 : 1))
- 96007-01 -- Toxic equivalency factor evaluation ((PCB 126) 3,3',4,4',5-pentachlorobiphenyl) (GAVAGE CORN OIL : ACETONE (99 : 1))
- 96021-01 -- Toxic equivalency factor evaluation (PCB 153- 2,2'-4,4',5,5'-hexachlorobiphenyl) (GAVAGE CORN OIL : ACETONE (99 : 1))

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

Adrenal Cortex
Adrenal Medulla
Brain
Clitoral/Preputial Gland
Heart
Islets, Pancreatic
Kidney
Liver
Lung
Ovary
Pancreas
Parathyroid Gland
Pituitary Gland
Prostate
Salivary Glands
Testes
Thymus
Thyroid Gland

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

MALE RATS

<u>Organ</u>	<u>Morphology</u>
Adrenal Medulla	Pheochromocytoma Benign Pheochromocytoma: Benign, Complex, Malignant, NOS
Heart	Schwannoma Benign
Liver	Cholangiocarcinoma
Lung	Cystic Keratinizing Epithelioma
Oral Cavity (Oral Mucosa, Tongue, Pharynx, Tooth, Gingiva)	Squamous Cell Carcinoma
Oral Mucosa	Squamous Cell Carcinoma, Papilloma Squamous, or Papilloma
Pancreas	Squamous Cell Carcinoma
Pituitary Gland: Pars Distalis or Unspecified Site	Adenoma
Prostate	Carcinoma or Adenoma
Skin	Adenoma
Thyroid Gland: C-Cell	Adenoma
Thyroid Gland: Follicular Cell	Carcinoma or Adenoma
Tissue NOS	Fibroma
All Organs	Fibroma, Fibrosarcoma, Sarcoma, Myxoma, Myxosarcoma, or Fibrous Histiocytoma
	Adenoma
	Carcinoma or Adenoma
	Adenoma
	Schwannoma Malignant
	Malignant Lymphoma: Histiocytic, Lymphocytic, Mixed, NOS, or Undifferentiated Cell Type
	Benign Tumors
	Malignant Tumors
	Malignant and Benign Tumors

FEMALE RATS

<u>Organ</u>	<u>Morphology</u>
Lung	Cystic Keratinizing Epithelioma
Mammary Gland	Carcinoma

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Oral Cavity (Oral Mucosa, Tongue, Pharynx, Tooth, Gingiva)	Carcinoma or Adenoma Fibroadenoma Fibroma, Fibroadenoma or Adenoma Fibroma, Fibroadenoma, Carcinoma, or Adenoma Squamous Cell Carcinoma
Oral Mucosa	Squamous Cell Carcinoma, Papilloma Squamous, or Papilloma
Pituitary Gland: Pars Distalis or Unspecified Site	Squamous Cell Carcinoma
Stomach, Forestomach	Adenoma Squamous Cell Carcinoma or Papilloma Squamous Squamous Cell Papilloma
Thyroid Gland: C-Cell	Adenoma Carcinoma or Adenoma

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**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)
 TERMINAL SACRIFICE AT 104 WEEKS**

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

**Adrenal Cortex
 Adenoma**

TUMOR RATES

OVERALL (a)	1/50 (2%)	1/50 (2%)	0/50 (0%)	2/50 (4%)
POLY-3 RATE (b)	1/40.97	1/29.04	0/25.86	2/25.42
POLY-3 PERCENT (g)	2.4%	3.4%	0%	7.9%
TERMINAL (d)	0/28 (0%)	0/9 (0%)	0/4 (0%)	0/2 (0%)
FIRST INCIDENCE	671	644	---	365
HC TUMORS SAME RTE	0/0 (0%)			
HC TUMORS ALL RTES	0/0 (0%)			

STATISTICAL TESTS

POLY 3	P=0.238	P=0.678	P=0.587N	P=0.343
POLY 1.5	P=0.278	P=0.715	P=0.553N	P=0.407
POLY 6	P=0.178	P=0.624	P=0.633N	P=0.262
COCH-ARM / FISHERS	P=0.325	P=0.753N	P=0.500N	P=0.500
MAX-ISO-POLY-3	P=0.236	P=0.416	P=0.264N	P=0.208
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	(e)	(e)	(e)	(e)

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**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)
 TERMINAL SACRIFICE AT 104 WEEKS**

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

**Adrenal Medulla
 Pheochromocytoma Benign**

TUMOR RATES

OVERALL (a)	5/50 (10%)	6/50 (12%)	6/50 (12%)	7/50 (14%)
POLY-3 RATE (b)	5/41.05	6/31.05	6/27.53	7/26.54
POLY-3 PERCENT (g)	12.2%	19.3%	21.8%	26.4%
TERMINAL (d)	4/28 (14%)	2/9 (22%)	0/4 (0%)	1/2 (50%)
FIRST INCIDENCE	650	500	554	544
HC TUMORS SAME RTE	0/0 (0%)			
HC TUMORS ALL RTEs	0/0 (0%)			

STATISTICAL TESTS

POLY 3	P=0.116	P=0.309	P=0.240	P=0.128
POLY 1.5	P=0.206	P=0.385	P=0.333	P=0.214
POLY 6	P=0.039*	P=0.216	P=0.143	P=0.056
COCH-ARM / FISHERS	P=0.359	P=0.500	P=0.500	P=0.380
MAX-ISO-POLY-3	P=0.176	P=0.233	P=0.189	P=0.110
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTEs	(e)	(e)	(e)	(e)

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**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)
 TERMINAL SACRIFICE AT 104 WEEKS**

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

**Adrenal Medulla
 Pheochromocytoma: Benign, Complex, Malignant, NOS**

TUMOR RATES

OVERALL (a)	5/50 (10%)	7/50 (14%)	6/50 (12%)	7/50 (14%)
POLY-3 RATE (b)	5/41.05	7/31.25	6/27.53	7/26.54
POLY-3 PERCENT (g)	12.2%	22.4%	21.8%	26.4%
TERMINAL (d)	4/28 (14%)	2/9 (22%)	0/4 (0%)	1/2 (50%)
FIRST INCIDENCE	650	500	554	544
HC TUMORS SAME RTE	0/0 (0%)			
HC TUMORS ALL RTES	0/0 (0%)			

STATISTICAL TESTS

POLY 3	P=0.139	P=0.203	P=0.240	P=0.128
POLY 1.5	P=0.243	P=0.269	P=0.333	P=0.214
POLY 6	P=0.046*	P=0.130	P=0.143	P=0.056
COCH-ARM / FISHERS	P=0.413	P=0.380	P=0.500	P=0.380
MAX-ISO-POLY-3	P=0.181	P=0.153	P=0.189	P=0.110
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	(e)	(e)	(e)	(e)

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**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)
 TERMINAL SACRIFICE AT 104 WEEKS**

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

**Heart
 Schwannoma Benign**

TUMOR RATES

OVERALL (a)	0/50 (0%)	3/50 (6%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/40.76	3/30.09	0/25.86	0/24.26
POLY-3 PERCENT (g)	0%	10%	0%	0%
TERMINAL (d)	0/28 (0%)	0/9 (0%)	0/4 (0%)	0/2 (0%)
FIRST INCIDENCE	---	521	---	---
HC TUMORS SAME RTE	0/0 (0%)			
HC TUMORS ALL RTES	0/0 (0%)			

STATISTICAL TESTS

POLY 3	P=0.427N	P=0.073	(e)	(e)
POLY 1.5	P=0.354N	P=0.090	(e)	(e)
POLY 6	P=0.546N	P=0.056	(e)	(e)
COCH-ARM / FISHERS	P=0.276N	P=0.121	(e)	(e)
MAX-ISO-POLY-3	P=0.314N	P=0.036*	(e)	(e)
HISTCONT SAME RTE	(h)	(h)	(e)	(e)
HISTCONT ALL RTES	(h)	(h)	(e)	(e)

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 TERMINAL SACRIFICE AT 104 WEEKS**

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

**Islets, Pancreatic
 Adenoma**

TUMOR RATES

OVERALL (a)	2/50 (4%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	2/41.05	0/28.74	0/25.86	0/24.26
POLY-3 PERCENT (g)	4.9%	0%	0%	0%
TERMINAL (d)	1/28 (4%)	0/9 (0%)	0/4 (0%)	0/2 (0%)
FIRST INCIDENCE	650	---	---	---
HC TUMORS SAME RTE	0/0 (0%)			
HC TUMORS ALL RTES	0/0 (0%)			

STATISTICAL TESTS

POLY 3	P=0.239N	P=0.324N	P=0.351N	P=0.368N
POLY 1.5	P=0.240N	P=0.285N	P=0.302N	P=0.308N
POLY 6	P=0.261N	P=0.383N	P=0.425N	P=0.459N
COCH-ARM / FISHERS	P=0.262N	P=0.247N	P=0.247N	P=0.247N
MAX-ISO-POLY-3	P=0.187N	P=0.158N	P=0.183N	P=0.198N
HISTCONT SAME RTE	(h)	(h)	(h)	(h)
HISTCONT ALL RTES	(h)	(h)	(h)	(h)

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**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)
 TERMINAL SACRIFICE AT 104 WEEKS**

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

Liver
 Cholangiocarcinoma

TUMOR RATES

OVERALL (a)	0/50 (0%)	4/50 (8%)	4/50 (8%)	6/50 (12%)
POLY-3 RATE (b)	0/40.76	4/30.1	4/27.91	6/26.5
POLY-3 PERCENT (g)	0%	13.3%	14.3%	22.6%
TERMINAL (d)	0/28 (0%)	1/9 (11%)	0/4 (0%)	1/2 (50%)
FIRST INCIDENCE	---	454	487	529
HC TUMORS SAME RTE	0/0 (0%)			
HC TUMORS ALL RTES	0/0 (0%)			

STATISTICAL TESTS

POLY 3	P=0.007**	P=0.030*	P=0.026*	P=0.003**
POLY 1.5	P=0.017*	P=0.040*	P=0.036*	P=0.006**
POLY 6	P=0.002**	P=0.020*	P=0.016*	P<0.001**
COCH-ARM / FISHERS	P=0.048*	P=0.059	P=0.059	P=0.013*
MAX-ISO-POLY-3	P=0.011*	P=0.018*	P=0.017*	P=0.003**
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	(e)	(e)	(e)	(e)

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 TERMINAL SACRIFICE AT 104 WEEKS**

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

Liver
 Hepatocellular Adenoma

TUMOR RATES

OVERALL (a)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/40.76	1/28.74	0/25.86	0/24.26
POLY-3 PERCENT (g)	0%	3.5%	0%	0%
TERMINAL (d)	0/28 (0%)	1/9 (11%)	0/4 (0%)	0/2 (0%)
FIRST INCIDENCE	---	727 (T)	---	---
HC TUMORS SAME RTE	0/0 (0%)			
HC TUMORS ALL RTES	0/0 (0%)			

STATISTICAL TESTS

POLY 3	P=0.668N	P=0.432	(e)	(e)
POLY 1.5	P=0.638N	P=0.460	(e)	(e)
POLY 6	P=0.711N	P=0.393	(e)	(e)
COCH-ARM / FISHERS	P=0.601N	P=0.500	(e)	(e)
MAX-ISO-POLY-3	P=0.495N	P=0.157	(e)	(e)
HISTCONT SAME RTE	(h)	(h)	(e)	(e)
HISTCONT ALL RTES	(h)	(h)	(e)	(e)

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 TERMINAL SACRIFICE AT 104 WEEKS**

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

**Liver
 Hepatocellular Carcinoma or Hepatocellular Adenoma**

TUMOR RATES

OVERALL (a)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/40.76	1/28.74	0/25.86	0/24.26
POLY-3 PERCENT (g)	0%	3.5%	0%	0%
TERMINAL (d)	0/28 (0%)	1/9 (11%)	0/4 (0%)	0/2 (0%)
FIRST INCIDENCE	---	727 (T)	---	---
HC TUMORS SAME RTE	0/0 (0%)			
HC TUMORS ALL RTES	0/0 (0%)			

STATISTICAL TESTS

POLY 3	P=0.668N	P=0.432	(e)	(e)
POLY 1.5	P=0.638N	P=0.460	(e)	(e)
POLY 6	P=0.711N	P=0.393	(e)	(e)
COCH-ARM / FISHERS	P=0.601N	P=0.500	(e)	(e)
MAX-ISO-POLY-3	P=0.495N	P=0.157	(e)	(e)
HISTCONT SAME RTE	(h)	(h)	(e)	(e)
HISTCONT ALL RTES	(h)	(h)	(e)	(e)

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**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)
 TERMINAL SACRIFICE AT 104 WEEKS**

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

Liver
 Hepatocellular Carcinoma, Hepatocellular Adenoma, or Hepatoblastoma

TUMOR RATES

OVERALL (a)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/40.76	1/28.74	0/25.86	0/24.26
POLY-3 PERCENT (g)	0%	3.5%	0%	0%
TERMINAL (d)	0/28 (0%)	1/9 (11%)	0/4 (0%)	0/2 (0%)
FIRST INCIDENCE	---	727 (T)	---	---
HC TUMORS SAME RTE	0/0 (0%)			
HC TUMORS ALL RTES	0/0 (0%)			

STATISTICAL TESTS

POLY 3	P=0.668N	P=0.432	(e)	(e)
POLY 1.5	P=0.638N	P=0.460	(e)	(e)
POLY 6	P=0.711N	P=0.393	(e)	(e)
COCH-ARM / FISHERS	P=0.601N	P=0.500	(e)	(e)
MAX-ISO-POLY-3	P=0.495N	P=0.157	(e)	(e)
HISTCONT SAME RTE	(h)	(h)	(e)	(e)
HISTCONT ALL RTES	(h)	(h)	(e)	(e)

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**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)
 TERMINAL SACRIFICE AT 104 WEEKS**

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

**Lung
 Alveolar/Bronchiolar Carcinoma or Alveolar/Bronchiolar Adenoma**

TUMOR RATES

OVERALL (a)	2/50 (4%)	1/50 (2%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	2/40.76	1/28.88	1/26.12	0/24.26
POLY-3 PERCENT (g)	4.9%	3.5%	3.8%	0%
TERMINAL (d)	2/28 (7%)	0/9 (0%)	0/4 (0%)	0/2 (0%)
FIRST INCIDENCE	727 (T)	690	660	---
HC TUMORS SAME RTE	0/0 (0%)			
HC TUMORS ALL RTES	0/0 (0%)			

STATISTICAL TESTS

POLY 3	P=0.274N	P=0.616N	P=0.647N	P=0.366N
POLY 1.5	P=0.235N	P=0.568N	P=0.590N	P=0.307N
POLY 6	P=0.356N	P=0.679N	P=0.706	P=0.456N
COCH-ARM / FISHERS	P=0.200N	P=0.500N	P=0.500N	P=0.247N
MAX-ISO-POLY-3	P=0.320N	P=0.401N	P=0.432N	P=0.197N
HISTCONT SAME RTE	(h)	(h)	(h)	(h)
HISTCONT ALL RTES	(h)	(h)	(h)	(h)

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 07/18/2008
 Time Report Requested: 08:29:30
 First Dose M/F: 01/29/03 / 01/30/03
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)
 TERMINAL SACRIFICE AT 104 WEEKS**

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

**Lung
 Cystic Keratinizing Epithelioma**

TUMOR RATES

OVERALL (a)	0/50 (0%)	14/50 (28%)	31/50 (62%)	37/50 (74%)
POLY-3 RATE (b)	0/40.76	14/31.5	31/36.08	37/39.94
POLY-3 PERCENT (g)	0%	44.5%	85.9%	92.7%
TERMINAL (d)	0/28 (0%)	4/9 (44%)	4/4 (100%)	2/2 (100%)
FIRST INCIDENCE	---	576	367	192
HC TUMORS SAME RTE	0/0 (0%)			
HC TUMORS ALL RTES	0/0 (0%)			

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**
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	(e)	(e)	(e)	(e)

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 07/18/2008
 Time Report Requested: 08:29:30
 First Dose M/F: 01/29/03 / 01/30/03
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Mammary Gland Carcinoma				
TUMOR 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	---	---	---	---
HC TUMORS SAME RTE	0/0 (0%)			
HC TUMORS ALL RTES	0/0 (0%)			

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)
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	(e)	(e)	(e)	(e)

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 07/18/2008
 Time Report Requested: 08:29:30
 First Dose M/F: 01/29/03 / 01/30/03
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)
 TERMINAL SACRIFICE AT 104 WEEKS**

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

**Mammary Gland
 Carcinoma or Adenoma**

TUMOR 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	---	---	---	---
HC TUMORS SAME RTE	0/0 (0%)			
HC TUMORS ALL RTES	0/0 (0%)			

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)
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	(e)	(e)	(e)	(e)

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 07/18/2008
 Time Report Requested: 08:29:30
 First Dose M/F: 01/29/03 / 01/30/03
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Mammary Gland Fibroadenoma				
TUMOR 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	---	---	---	---
HC TUMORS SAME RTE	0/0 (0%)			
HC TUMORS ALL RTES	0/0 (0%)			

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)
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	(e)	(e)	(e)	(e)

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 07/18/2008
 Time Report Requested: 08:29:30
 First Dose M/F: 01/29/03 / 01/30/03
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)
 TERMINAL SACRIFICE AT 104 WEEKS**

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

**Mammary Gland
 Fibroma, Fibroadenoma or Adenoma**

TUMOR 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	---	---	---	---
HC TUMORS SAME RTE	0/0 (0%)			
HC TUMORS ALL RTES	0/0 (0%)			

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)
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	(e)	(e)	(e)	(e)

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 07/18/2008
 Time Report Requested: 08:29:30
 First Dose M/F: 01/29/03 / 01/30/03
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Mammary Gland Fibroma, Fibroadenoma, Carcinoma, or Adenoma				
TUMOR 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	---	---	---	---
HC TUMORS SAME RTE	0/0 (0%)			
HC TUMORS ALL RTES	0/0 (0%)			

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)
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	(e)	(e)	(e)	(e)

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 07/18/2008
 Time Report Requested: 08:29:30
 First Dose M/F: 01/29/03 / 01/30/03
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)
 TERMINAL SACRIFICE AT 104 WEEKS**

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

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

TUMOR RATES	#	#	#	#
OVERALL (a)	1/50 (2%)	5/50 (10%)	4/50 (8%)	5/50 (10%)
POLY-3 RATE (b)	1/40.89	5/29.94	4/27.63	5/26.55
POLY-3 PERCENT (g)	2.5%	16.7%	14.5%	18.8%
TERMINAL (d)	0/28 (0%)	2/9 (22%)	0/4 (0%)	0/2 (0%)
FIRST INCIDENCE	694	504	474	524
HC TUMORS SAME RTE	0/0 (0%)			
HC TUMORS ALL RTES	0/0 (0%)			

STATISTICAL TESTS

POLY 3	P=0.065	P=0.046*	P=0.085	P=0.033*
POLY 1.5	P=0.118	P=0.064	P=0.115	P=0.054
POLY 6	P=0.023*	P=0.028*	P=0.055	P=0.017*
COCH-ARM / FISHERS	P=0.225	P=0.102	P=0.181	P=0.102
MAX-ISO-POLY-3	P=0.068	P=0.031*	P=0.058	P=0.028*
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	(e)	(e)	(e)	(e)

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 07/18/2008
 Time Report Requested: 08:29:30
 First Dose M/F: 01/29/03 / 01/30/03
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)
 TERMINAL SACRIFICE AT 104 WEEKS**

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

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

TUMOR RATES	#	#	#	#
OVERALL (a)	1/50 (2%)	5/50 (10%)	4/50 (8%)	5/50 (10%)
POLY-3 RATE (b)	1/40.89	5/29.94	4/27.63	5/26.55
POLY-3 PERCENT (g)	2.5%	16.7%	14.5%	18.8%
TERMINAL (d)	0/28 (0%)	2/9 (22%)	0/4 (0%)	0/2 (0%)
FIRST INCIDENCE	694	504	474	524
HC TUMORS SAME RTE	0/0 (0%)			
HC TUMORS ALL RTES	0/0 (0%)			

STATISTICAL TESTS

POLY 3	P=0.065	P=0.046*	P=0.085	P=0.033*
POLY 1.5	P=0.118	P=0.064	P=0.115	P=0.054
POLY 6	P=0.023*	P=0.028*	P=0.055	P=0.017*
COCH-ARM / FISHERS	P=0.225	P=0.102	P=0.181	P=0.102
MAX-ISO-POLY-3	P=0.068	P=0.031*	P=0.058	P=0.028*
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	(e)	(e)	(e)	(e)

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 07/18/2008
 Time Report Requested: 08:29:30
 First Dose M/F: 01/29/03 / 01/30/03
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Oral Mucosa Squamous Cell Carcinoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	1/50 (2%)	5/50 (10%)	4/50 (8%)	5/50 (10%)
POLY-3 RATE (b)	1/40.89	5/29.94	4/27.63	5/26.55
POLY-3 PERCENT (g)	2.5%	16.7%	14.5%	18.8%
TERMINAL (d)	0/28 (0%)	2/9 (22%)	0/4 (0%)	0/2 (0%)
FIRST INCIDENCE	694	504	474	524
HC TUMORS SAME RTE	0/0 (0%)			
HC TUMORS ALL RTES	0/0 (0%)			

STATISTICAL TESTS

POLY 3	P=0.065	P=0.046*	P=0.085	P=0.033*
POLY 1.5	P=0.118	P=0.064	P=0.115	P=0.054
POLY 6	P=0.023*	P=0.028*	P=0.055	P=0.017*
COCH-ARM / FISHERS	P=0.225	P=0.102	P=0.181	P=0.102
MAX-ISO-POLY-3	P=0.068	P=0.031*	P=0.058	P=0.028*
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	(e)	(e)	(e)	(e)

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 07/18/2008
 Time Report Requested: 08:29:30
 First Dose M/F: 01/29/03 / 01/30/03
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)
 TERMINAL SACRIFICE AT 104 WEEKS**

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

**Pancreas
 Adenoma**

TUMOR RATES

OVERALL (a)	9/50 (18%)	1/49 (2%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	9/41.35	1/28.95	0/25.86	0/24.26
POLY-3 PERCENT (g)	21.8%	3.5%	0%	0%
TERMINAL (d)	7/28 (25%)	0/9 (0%)	0/4 (0%)	0/2 (0%)
FIRST INCIDENCE	592	541	---	---
HC TUMORS SAME RTE	0/0 (0%)			
HC TUMORS ALL RTES	0/0 (0%)			

STATISTICAL TESTS

POLY 3	P=0.005N**	P=0.035N*	P=0.016N*	P=0.021N*
POLY 1.5	P=0.003N**	P=0.020N*	P=0.007N**	P=0.008N**
POLY 6	P=0.010N**	P=0.073N	P=0.049N*	P=0.075N
COCH-ARM / FISHERS	P=0.006N**	P=0.009N**	P<0.001N**	P<0.001N**
MAX-ISO-POLY-3	P=0.008N**	P=0.031N*	P=0.018N*	P=0.025N*
HISTCONT SAME RTE	(h)	(h)	(h)	(h)
HISTCONT ALL RTES	(h)	(h)	(h)	(h)

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 07/18/2008
 Time Report Requested: 08:29:30
 First Dose M/F: 01/29/03 / 01/30/03
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)
 TERMINAL SACRIFICE AT 104 WEEKS**

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

**Pancreas
 Carcinoma or Adenoma**

TUMOR RATES

OVERALL (a)	9/50 (18%)	1/49 (2%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	9/41.35	1/28.95	0/25.86	0/24.26
POLY-3 PERCENT (g)	21.8%	3.5%	0%	0%
TERMINAL (d)	7/28 (25%)	0/9 (0%)	0/4 (0%)	0/2 (0%)
FIRST INCIDENCE	592	541	---	---
HC TUMORS SAME RTE	0/0 (0%)			
HC TUMORS ALL RTES	0/0 (0%)			

STATISTICAL TESTS

POLY 3	P=0.005N**	P=0.035N*	P=0.016N*	P=0.021N*
POLY 1.5	P=0.003N**	P=0.020N*	P=0.007N**	P=0.008N**
POLY 6	P=0.010N**	P=0.073N	P=0.049N*	P=0.075N
COCH-ARM / FISHERS	P=0.006N**	P=0.009N**	P<0.001N**	P<0.001N**
MAX-ISO-POLY-3	P=0.008N**	P=0.031N*	P=0.018N*	P=0.025N*
HISTCONT SAME RTE	(h)	(h)	(h)	(h)
HISTCONT ALL RTES	(h)	(h)	(h)	(h)

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 07/18/2008
 Time Report Requested: 08:29:30
 First Dose M/F: 01/29/03 / 01/30/03
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS 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 or Unspecified Site
 Adenoma**

TUMOR RATES

OVERALL (a)	13/50 (26%)	6/50 (12%)	7/50 (14%)	0/49 (0%)
POLY-3 RATE (b)	13/42.96	6/30.58	7/28.16	0/23.55
POLY-3 PERCENT (g)	30.3%	19.6%	24.9%	0%
TERMINAL (d)	5/28 (18%)	1/9 (11%)	2/4 (50%)	0/2 (0%)
FIRST INCIDENCE	420	535	533	---
HC TUMORS SAME RTE	0/0 (0%)			
HC TUMORS ALL RTES	0/0 (0%)			

STATISTICAL TESTS

POLY 3	P=0.006N**	P=0.227N	P=0.413N	P=0.005N**
POLY 1.5	P=0.002N**	P=0.139N	P=0.264N	P<0.001N**
POLY 6	P=0.038N*	P=0.388N	P=0.574	P=0.036N*
COCH-ARM / FISHERS	P<0.001N**	P=0.062N	P=0.105N	P<0.001N**
MAX-ISO-POLY-3	P=0.009N**	P=0.189N	P=0.341N	P=0.010N**
HISTCONT SAME RTE	(h)	(h)	(h)	(h)
HISTCONT ALL RTES	(h)	(h)	(h)	(h)

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 07/18/2008
 Time Report Requested: 08:29:30
 First Dose M/F: 01/29/03 / 01/30/03
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)
 TERMINAL SACRIFICE AT 104 WEEKS**

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

**Prostate
 Adenoma**

TUMOR RATES

OVERALL (a)	5/50 (10%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	5/40.99	0/28.74	0/25.86	0/24.26
POLY-3 PERCENT (g)	12.2%	0%	0%	0%
TERMINAL (d)	2/28 (7%)	0/9 (0%)	0/4 (0%)	0/2 (0%)
FIRST INCIDENCE	700	---	---	---
HC TUMORS SAME RTE	0/0 (0%)			
HC TUMORS ALL RTES	0/0 (0%)			

STATISTICAL TESTS

POLY 3	P=0.043N*	P=0.074N	P=0.094N	P=0.107N
POLY 1.5	P=0.041N*	P=0.051N	P=0.061N	P=0.064N
POLY 6	P=0.059N	P=0.120N	P=0.163N	P=0.204N
COCH-ARM / FISHERS	P=0.052N	P=0.028N*	P=0.028N*	P=0.028N*
MAX-ISO-POLY-3	P=0.040N*	P=0.049N*	P=0.068N	P=0.081N
HISTCONT SAME RTE	(h)	(h)	(h)	(h)
HISTCONT ALL RTES	(h)	(h)	(h)	(h)

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 07/18/2008
 Time Report Requested: 08:29:30
 First Dose M/F: 01/29/03 / 01/30/03
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)
 TERMINAL SACRIFICE AT 104 WEEKS**

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

**Prostate
 Carcinoma or Adenoma**

TUMOR RATES

OVERALL (a)	5/50 (10%)	0/50 (0%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	5/40.99	0/28.74	0/25.86	1/24.69
POLY-3 PERCENT (g)	12.2%	0%	0%	4.1%
TERMINAL (d)	2/28 (7%)	0/9 (0%)	0/4 (0%)	0/2 (0%)
FIRST INCIDENCE	700	---	---	603
HC TUMORS SAME RTE	0/0 (0%)			
HC TUMORS ALL RTES	0/0 (0%)			

STATISTICAL TESTS

POLY 3	P=0.205N	P=0.074N	P=0.094N	P=0.264N
POLY 1.5	P=0.195N	P=0.051N	P=0.061N	P=0.182N
POLY 6	P=0.251N	P=0.120N	P=0.163N	P=0.407N
COCH-ARM / FISHERS	P=0.213N	P=0.028N*	P=0.028N*	P=0.102N
MAX-ISO-POLY-3	P=0.083N	P=0.049N*	P=0.068N	P=0.193N
HISTCONT SAME RTE	(h)	(h)	(h)	(h)
HISTCONT ALL RTES	(h)	(h)	(h)	(h)

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 07/18/2008
 Time Report Requested: 08:29:30
 First Dose M/F: 01/29/03 / 01/30/03
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)
 TERMINAL SACRIFICE AT 104 WEEKS**

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

**Salivary Glands
 Schwannoma Malignant**

TUMOR RATES

OVERALL (a)	1/50 (2%)	2/50 (4%)	0/49 (0%)	1/50 (2%)
POLY-3 RATE (b)	1/41.33	2/29.74	0/25.42	1/25.04
POLY-3 PERCENT (g)	2.4%	6.7%	0%	4%
TERMINAL (d)	0/28 (0%)	0/9 (0%)	0/4 (0%)	0/2 (0%)
FIRST INCIDENCE	549	576	---	443
HC TUMORS SAME RTE	0/0 (0%)			
HC TUMORS ALL RTES	0/0 (0%)			

STATISTICAL TESTS

POLY 3	P=0.633	P=0.388	P=0.592N	P=0.638
POLY 1.5	P=0.631N	P=0.434	P=0.558N	P=0.693
POLY 6	P=0.524	P=0.330	P=0.636N	P=0.553
COCH-ARM / FISHERS	P=0.576N	P=0.500	P=0.505N	P=0.753N
MAX-ISO-POLY-3	P=0.544N	P=0.226	P=0.268N	P=0.387
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	(e)	(e)	(e)	(e)

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 07/18/2008
 Time Report Requested: 08:29:30
 First Dose M/F: 01/29/03 / 01/30/03
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Skin				
Basal Cell Adenoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	1/50 (2%)	2/50 (4%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	1/40.76	2/29.53	0/25.86	1/25.24
POLY-3 PERCENT (g)	2.5%	6.8%	0%	4%
TERMINAL (d)	1/28 (4%)	0/9 (0%)	0/4 (0%)	0/2 (0%)
FIRST INCIDENCE	727 (T)	486	---	225
HC TUMORS SAME RTE	0/0 (0%)			
HC TUMORS ALL RTES	0/0 (0%)			

STATISTICAL TESTS

POLY 3	P=0.641	P=0.390	P=0.587N	P=0.643
POLY 1.5	P=0.628N	P=0.435	P=0.552N	P=0.698
POLY 6	P=0.532	P=0.330	P=0.631N	P=0.559
COCH-ARM / FISHERS	P=0.577N	P=0.500	P=0.500N	P=0.753N
MAX-ISO-POLY-3	P=0.535N	P=0.227	P=0.263N	P=0.391
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	(e)	(e)	(e)	(e)

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 07/18/2008
 Time Report Requested: 08:29:30
 First Dose M/F: 01/29/03 / 01/30/03
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)
 TERMINAL SACRIFICE AT 104 WEEKS**

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

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

TUMOR RATES	#	#	#	#
OVERALL (a)	1/50 (2%)	2/50 (4%)	1/50 (2%)	1/50 (2%)
POLY-3 RATE (b)	1/40.76	2/29.53	1/26.42	1/25.24
POLY-3 PERCENT (g)	2.5%	6.8%	3.8%	4%
TERMINAL (d)	1/28 (4%)	0/9 (0%)	0/4 (0%)	0/2 (0%)
FIRST INCIDENCE	727 (T)	486	554	225
HC TUMORS SAME RTE	0/0 (0%)			
HC TUMORS ALL RTES	0/0 (0%)			

STATISTICAL TESTS

POLY 3	P=0.603	P=0.390	P=0.655	P=0.643
POLY 1.5	P=0.619N	P=0.435	P=0.700	P=0.698
POLY 6	P=0.473	P=0.330	P=0.589	P=0.559
COCH-ARM / FISHERS	P=0.546N	P=0.500	P=0.753N	P=0.753N
MAX-ISO-POLY-3	P=0.544	P=0.227	P=0.399	P=0.391
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	(e)	(e)	(e)	(e)

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 07/18/2008
 Time Report Requested: 08:29:30
 First Dose M/F: 01/29/03 / 01/30/03
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)
 TERMINAL SACRIFICE AT 104 WEEKS**

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

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

TUMOR RATES	#	#	#	#
OVERALL (a)	1/50 (2%)	2/50 (4%)	1/50 (2%)	1/50 (2%)
POLY-3 RATE (b)	1/40.76	2/29.53	1/26.42	1/25.24
POLY-3 PERCENT (g)	2.5%	6.8%	3.8%	4%
TERMINAL (d)	1/28 (4%)	0/9 (0%)	0/4 (0%)	0/2 (0%)
FIRST INCIDENCE	727 (T)	486	554	225
HC TUMORS SAME RTE	0/0 (0%)			
HC TUMORS ALL RTES	0/0 (0%)			

STATISTICAL TESTS

POLY 3	P=0.603	P=0.390	P=0.655	P=0.643
POLY 1.5	P=0.619N	P=0.435	P=0.700	P=0.698
POLY 6	P=0.473	P=0.330	P=0.589	P=0.559
COCH-ARM / FISHERS	P=0.546N	P=0.500	P=0.753N	P=0.753N
MAX-ISO-POLY-3	P=0.544	P=0.227	P=0.399	P=0.391
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	(e)	(e)	(e)	(e)

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 07/18/2008
 Time Report Requested: 08:29:30
 First Dose M/F: 01/29/03 / 01/30/03
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)
 TERMINAL SACRIFICE AT 104 WEEKS**

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

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

TUMOR RATES	#	#	#	#
OVERALL (a)	3/50 (6%)	2/50 (4%)	1/50 (2%)	1/50 (2%)
POLY-3 RATE (b)	3/40.76	2/29.53	1/26.42	1/25.24
POLY-3 PERCENT (g)	7.4%	6.8%	3.8%	4%
TERMINAL (d)	3/28 (11%)	0/9 (0%)	0/4 (0%)	0/2 (0%)
FIRST INCIDENCE	727 (T)	486	554	225
HC TUMORS SAME RTE	0/0 (0%)			
HC TUMORS ALL RTES	0/0 (0%)			

STATISTICAL TESTS

POLY 3	P=0.384N	P=0.642N	P=0.471N	P=0.488N
POLY 1.5	P=0.327N	P=0.584N	P=0.402N	P=0.406N
POLY 6	P=0.494N	P=0.628	P=0.566N	P=0.606N
COCH-ARM / FISHERS	P=0.277N	P=0.500N	P=0.309N	P=0.309N
MAX-ISO-POLY-3	P=0.501N	P=0.467N	P=0.314N	P=0.329N
HISTCONT SAME RTE	(h)	(h)	(h)	(h)
HISTCONT ALL RTES	(h)	(h)	(h)	(h)

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 07/18/2008
 Time Report Requested: 08:29:30
 First Dose M/F: 01/29/03 / 01/30/03
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)
 TERMINAL SACRIFICE AT 104 WEEKS**

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

**Skin
 Fibroma**

TUMOR RATES	#	#	#	#
OVERALL (a)	5/50 (10%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	5/41.09	0/28.74	0/25.86	0/24.26
POLY-3 PERCENT (g)	12.2%	0%	0%	0%
TERMINAL (d)	3/28 (11%)	0/9 (0%)	0/4 (0%)	0/2 (0%)
FIRST INCIDENCE	650	---	---	---
HC TUMORS SAME RTE	0/0 (0%)			
HC TUMORS ALL RTES	0/0 (0%)			

STATISTICAL TESTS

POLY 3	P=0.043N*	P=0.074N	P=0.094N	P=0.108N
POLY 1.5	P=0.041N*	P=0.051N	P=0.061N	P=0.065N
POLY 6	P=0.060N	P=0.121N	P=0.164N	P=0.205N
COCH-ARM / FISHERS	P=0.052N	P=0.028N*	P=0.028N*	P=0.028N*
MAX-ISO-POLY-3	P=0.040N*	P=0.049N*	P=0.069N	P=0.082N
HISTCONT SAME RTE	(h)	(h)	(h)	(h)
HISTCONT ALL RTES	(h)	(h)	(h)	(h)

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 07/18/2008
 Time Report Requested: 08:29:30
 First Dose M/F: 01/29/03 / 01/30/03
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)
 TERMINAL SACRIFICE AT 104 WEEKS**

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

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

TUMOR RATES	#	#	#	#
OVERALL (a)	5/50 (10%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	5/41.09	0/28.74	0/25.86	0/24.26
POLY-3 PERCENT (g)	12.2%	0%	0%	0%
TERMINAL (d)	3/28 (11%)	0/9 (0%)	0/4 (0%)	0/2 (0%)
FIRST INCIDENCE	650	---	---	---
HC TUMORS SAME RTE	0/0 (0%)			
HC TUMORS ALL RTES	0/0 (0%)			

STATISTICAL TESTS

POLY 3	P=0.043N*	P=0.074N	P=0.094N	P=0.108N
POLY 1.5	P=0.041N*	P=0.051N	P=0.061N	P=0.065N
POLY 6	P=0.060N	P=0.121N	P=0.164N	P=0.205N
COCH-ARM / FISHERS	P=0.052N	P=0.028N*	P=0.028N*	P=0.028N*
MAX-ISO-POLY-3	P=0.040N*	P=0.049N*	P=0.069N	P=0.082N
HISTCONT SAME RTE	(h)	(h)	(h)	(h)
HISTCONT ALL RTES	(h)	(h)	(h)	(h)

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 07/18/2008
 Time Report Requested: 08:29:30
 First Dose M/F: 01/29/03 / 01/30/03
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)
 TERMINAL SACRIFICE AT 104 WEEKS**

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

**Skin
 Keratoacanthoma**

TUMOR 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)	---	---	---
HC TUMORS SAME RTE	0/0 (0%)			
HC TUMORS ALL RTES	0/0 (0%)			

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
HISTCONT SAME RTE	(h)	(h)	(h)	(h)
HISTCONT ALL RTES	(h)	(h)	(h)	(h)

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 07/18/2008
 Time Report Requested: 08:29:30
 First Dose M/F: 01/29/03 / 01/30/03
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)
 TERMINAL SACRIFICE AT 104 WEEKS**

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

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

TUMOR RATES	#	#	#	#
OVERALL (a)	2/50 (4%)	1/50 (2%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	2/40.76	1/29.44	0/25.86	0/24.26
POLY-3 PERCENT (g)	4.9%	3.4%	0%	0%
TERMINAL (d)	2/28 (7%)	0/9 (0%)	0/4 (0%)	0/2 (0%)
FIRST INCIDENCE	727 (T)	486	---	---
HC TUMORS SAME RTE	0/0 (0%)			
HC TUMORS ALL RTES	0/0 (0%)			

STATISTICAL TESTS

POLY 3	P=0.217N	P=0.610N	P=0.349N	P=0.366N
POLY 1.5	P=0.196N	P=0.565N	P=0.301N	P=0.307N
POLY 6	P=0.267N	P=0.671N	P=0.422N	P=0.456N
COCH-ARM / FISHERS	P=0.186N	P=0.500N	P=0.247N	P=0.247N
MAX-ISO-POLY-3	P=0.264N	P=0.395N	P=0.182N	P=0.197N
HISTCONT SAME RTE	(h)	(h)	(h)	(h)
HISTCONT ALL RTES	(h)	(h)	(h)	(h)

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 07/18/2008
 Time Report Requested: 08:29:30
 First Dose M/F: 01/29/03 / 01/30/03
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)
 TERMINAL SACRIFICE AT 104 WEEKS**

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

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

TUMOR RATES	#	#	#	#
OVERALL (a)	2/50 (4%)	1/50 (2%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	2/40.76	1/29.44	0/25.86	0/24.26
POLY-3 PERCENT (g)	4.9%	3.4%	0%	0%
TERMINAL (d)	2/28 (7%)	0/9 (0%)	0/4 (0%)	0/2 (0%)
FIRST INCIDENCE	727 (T)	486	---	---
HC TUMORS SAME RTE	0/0 (0%)			
HC TUMORS ALL RTES	0/0 (0%)			

STATISTICAL TESTS

POLY 3	P=0.217N	P=0.610N	P=0.349N	P=0.366N
POLY 1.5	P=0.196N	P=0.565N	P=0.301N	P=0.307N
POLY 6	P=0.267N	P=0.671N	P=0.422N	P=0.456N
COCH-ARM / FISHERS	P=0.186N	P=0.500N	P=0.247N	P=0.247N
MAX-ISO-POLY-3	P=0.264N	P=0.395N	P=0.182N	P=0.197N
HISTCONT SAME RTE	(h)	(h)	(h)	(h)
HISTCONT ALL RTES	(h)	(h)	(h)	(h)

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 07/18/2008
 Time Report Requested: 08:29:30
 First Dose M/F: 01/29/03 / 01/30/03
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)
 TERMINAL SACRIFICE AT 104 WEEKS**

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

**Stomach, Forestomach
 Squamous Cell Carcinoma or Papilloma Squamous**

TUMOR RATES	#	#	#	#
OVERALL (a)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/40.76	1/28.74	0/25.86	0/24.26
POLY-3 PERCENT (g)	0%	3.5%	0%	0%
TERMINAL (d)	0/28 (0%)	1/9 (11%)	0/4 (0%)	0/2 (0%)
FIRST INCIDENCE	---	727 (T)	---	---
HC TUMORS SAME RTE	0/0 (0%)			
HC TUMORS ALL RTES	0/0 (0%)			

STATISTICAL TESTS

POLY 3	P=0.668N	P=0.432	(e)	(e)
POLY 1.5	P=0.638N	P=0.460	(e)	(e)
POLY 6	P=0.711N	P=0.393	(e)	(e)
COCH-ARM / FISHERS	P=0.601N	P=0.500	(e)	(e)
MAX-ISO-POLY-3	P=0.495N	P=0.157	(e)	(e)
HISTCONT SAME RTE	(h)	(h)	(e)	(e)
HISTCONT ALL RTES	(h)	(h)	(e)	(e)

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 07/18/2008
 Time Report Requested: 08:29:30
 First Dose M/F: 01/29/03 / 01/30/03
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)
 TERMINAL SACRIFICE AT 104 WEEKS**

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

**Stomach, Forestomach
 Squamous Cell Papilloma**

TUMOR 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	---	---	---	---
HC TUMORS SAME RTE	0/0 (0%)			
HC TUMORS ALL RTES	0/0 (0%)			

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)
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	(e)	(e)	(e)	(e)

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 07/18/2008
 Time Report Requested: 08:29:30
 First Dose M/F: 01/29/03 / 01/30/03
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)
 TERMINAL SACRIFICE AT 104 WEEKS**

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

Testes
 Adenoma

TUMOR RATES

OVERALL (a)	2/50 (4%)	1/50 (2%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	2/40.76	1/29.13	1/26.36	0/24.26
POLY-3 PERCENT (g)	4.9%	3.4%	3.8%	0%
TERMINAL (d)	2/28 (7%)	0/9 (0%)	0/4 (0%)	0/2 (0%)
FIRST INCIDENCE	727 (T)	617	580	---
HC TUMORS SAME RTE	0/0 (0%)			
HC TUMORS ALL RTES	0/0 (0%)			

STATISTICAL TESTS

POLY 3	P=0.274N	P=0.614N	P=0.644N	P=0.366N
POLY 1.5	P=0.235N	P=0.567N	P=0.589N	P=0.307N
POLY 6	P=0.355N	P=0.675N	P=0.710	P=0.456N
COCH-ARM / FISHERS	P=0.200N	P=0.500N	P=0.500N	P=0.247N
MAX-ISO-POLY-3	P=0.320N	P=0.398N	P=0.430N	P=0.197N
HISTCONT SAME RTE	(h)	(h)	(h)	(h)
HISTCONT ALL RTES	(h)	(h)	(h)	(h)

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 07/18/2008
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 First Dose M/F: 01/29/03 / 01/30/03
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS 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
 Adenoma**

TUMOR RATES

OVERALL (a)	13/50 (26%)	3/50 (6%)	1/50 (2%)	4/50 (8%)
POLY-3 RATE (b)	13/41.08	3/29.59	1/25.93	4/25.6
POLY-3 PERCENT (g)	31.7%	10.1%	3.9%	15.6%
TERMINAL (d)	11/28 (39%)	0/9 (0%)	0/4 (0%)	0/2 (0%)
FIRST INCIDENCE	671	576	712	586
HC TUMORS SAME RTE	0/0 (0%)			
HC TUMORS ALL RTES	0/0 (0%)			

STATISTICAL TESTS

POLY 3	P=0.110N	P=0.031N*	P=0.008N**	P=0.126N
POLY 1.5	P=0.082N	P=0.016N*	P=0.002N**	P=0.056N
POLY 6	P=0.201N	P=0.076N	P=0.034N*	P=0.310N
COCH-ARM / FISHERS	P=0.078N	P=0.006N**	P<0.001N**	P=0.016N*
MAX-ISO-POLY-3	P=0.037N*	P=0.030N*	P=0.011N*	P=0.117N
HISTCONT SAME RTE	(h)	(h)	(h)	(h)
HISTCONT ALL RTES	(h)	(h)	(h)	(h)

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 07/18/2008
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 First Dose M/F: 01/29/03 / 01/30/03
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS 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
 Carcinoma or Adenoma**

TUMOR RATES

OVERALL (a)	13/50 (26%)	4/50 (8%)	1/50 (2%)	4/50 (8%)
POLY-3 RATE (b)	13/41.08	4/29.59	1/25.93	4/25.6
POLY-3 PERCENT (g)	31.7%	13.5%	3.9%	15.6%
TERMINAL (d)	11/28 (39%)	1/9 (11%)	0/4 (0%)	0/2 (0%)
FIRST INCIDENCE	671	576	712	586
HC TUMORS SAME RTE	0/0 (0%)			
HC TUMORS ALL RTES	0/0 (0%)			

STATISTICAL TESTS

POLY 3	P=0.098N	P=0.069N	P=0.008N**	P=0.126N
POLY 1.5	P=0.070N	P=0.037N*	P=0.002N**	P=0.056N
POLY 6	P=0.190N	P=0.148N	P=0.034N*	P=0.310N
COCH-ARM / FISHERS	P=0.063N	P=0.016N*	P<0.001N**	P=0.016N*
MAX-ISO-POLY-3	P=0.041N*	P=0.061N	P=0.011N*	P=0.117N
HISTCONT SAME RTE	(h)	(h)	(h)	(h)
HISTCONT ALL RTES	(h)	(h)	(h)	(h)

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 07/18/2008
 Time Report Requested: 08:29:30
 First Dose M/F: 01/29/03 / 01/30/03
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS 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
 Adenoma**

TUMOR RATES

OVERALL (a)	0/50 (0%)	3/50 (6%)	4/50 (8%)	4/50 (8%)
POLY-3 RATE (b)	0/40.76	3/29.33	4/27.67	4/25.45
POLY-3 PERCENT (g)	0%	10.2%	14.5%	15.7%
TERMINAL (d)	0/28 (0%)	1/9 (11%)	1/4 (25%)	0/2 (0%)
FIRST INCIDENCE	---	635	491	476
HC TUMORS SAME RTE	0/0 (0%)			
HC TUMORS ALL RTES	0/0 (0%)			

STATISTICAL TESTS

POLY 3	P=0.037*	P=0.070	P=0.025*	P=0.021*
POLY 1.5	P=0.072	P=0.088	P=0.036*	P=0.033*
POLY 6	P=0.011*	P=0.052	P=0.016*	P=0.011*
COCH-ARM / FISHERS	P=0.151	P=0.121	P=0.059	P=0.059
MAX-ISO-POLY-3	P=0.055	P=0.036*	P=0.017*	P=0.017*
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	(e)	(e)	(e)	(e)

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 3,3',4,4'-Tetrachloroazobenzene
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 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)
 TERMINAL SACRIFICE AT 104 WEEKS**

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

**Tissue NOS
 Schwannoma Malignant**

TUMOR 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	1/25.93	3/26.27
POLY-3 PERCENT (g)	0%	0%	3.9%	11.4%
TERMINAL (d)	0/28 (0%)	0/9 (0%)	0/4 (0%)	0/2 (0%)
FIRST INCIDENCE	---	---	712	398
HC TUMORS SAME RTE	0/0 (0%)			
HC TUMORS ALL RTES	0/0 (0%)			

STATISTICAL TESTS

POLY 3	P=0.010**	(e)	P=0.413	P=0.060
POLY 1.5	P=0.014*	(e)	P=0.448	P=0.080
POLY 6	P=0.006**	(e)	P=0.369	P=0.040*
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*
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	(e)	(e)	(e)	(e)

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 07/18/2008
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 First Dose M/F: 01/29/03 / 01/30/03
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)
 TERMINAL SACRIFICE AT 104 WEEKS**

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

**All Organs
 Malignant Lymphoma: Histiocytic, Lymphocytic, Mixed, NOS, or Undifferentiated Cell Type**

TUMOR RATES	#	#	#	#
OVERALL (a)	1/50 (2%)	1/50 (2%)	1/50 (2%)	4/50 (8%)
POLY-3 RATE (b)	1/40.76	1/29.74	1/26.37	4/26.18
POLY-3 PERCENT (g)	2.5%	3.4%	3.8%	15.3%
TERMINAL (d)	1/28 (4%)	0/9 (0%)	0/4 (0%)	0/2 (0%)
FIRST INCIDENCE	727 (T)	62	573	503
HC TUMORS SAME RTE	0/0 (0%)			
HC TUMORS ALL RTES	0/0 (0%)			

STATISTICAL TESTS

POLY 3	P=0.026*	P=0.686	P=0.655	P=0.077
POLY 1.5	P=0.037*	P=0.721	P=0.700	P=0.111
POLY 6	P=0.014*	P=0.632	P=0.588	P=0.046*
COCH-ARM / FISHERS	P=0.057	P=0.753N	P=0.753N	P=0.181
MAX-ISO-POLY-3	P=0.041*	P=0.422	P=0.398	P=0.056
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	(e)	(e)	(e)	(e)

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 3,3',4,4'-Tetrachloroazobenzene
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 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)
 TERMINAL SACRIFICE AT 104 WEEKS**

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

**All Organs
 Benign Tumors**

TUMOR RATES	#	#	#	#
OVERALL (a)	40/50 (80%)	31/50 (62%)	35/50 (70%)	41/50 (82%)
POLY-3 RATE (b)	40/45.81	31/38.71	35/38.33	41/42.83
POLY-3 PERCENT (g)	87.3%	80.1%	91.3%	95.7%
TERMINAL (d)	25/28 (89%)	7/9 (78%)	4/4 (100%)	2/2 (100%)
FIRST INCIDENCE	398	486	367	192
HC TUMORS SAME RTE	0/0 (0%)			
HC TUMORS ALL RTES	0/0 (0%)			

STATISTICAL TESTS

POLY 3	P=0.022*	P=0.241N	P=0.389	P=0.104
POLY 1.5	P=0.042*	P=0.128N	P=0.617	P=0.202
POLY 6	P=0.019*	P=0.430N	P=0.220	P=0.073
COCH-ARM / FISHERS	P=0.125	P=0.038N*	P=0.178N	P=0.500
MAX-ISO-POLY-3	P=0.022*	P=0.167N	P=0.257	P=0.047*
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	(e)	(e)	(e)	(e)

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

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 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
All Organs				
Malignant Tumors				
TUMOR RATES	#	#	#	#
OVERALL (a)	9/50 (18%)	15/50 (30%)	13/50 (26%)	19/50 (38%)
POLY-3 RATE (b)	9/43.53	15/34.36	13/31.87	19/33.68
POLY-3 PERCENT (g)	20.7%	43.7%	40.8%	56.4%
TERMINAL (d)	3/28 (11%)	4/9 (44%)	0/4 (0%)	1/2 (50%)
FIRST INCIDENCE	274	62	438	387
HC TUMORS SAME RTE	0/0 (0%)			
HC TUMORS ALL RTES	0/0 (0%)			

STATISTICAL TESTS

POLY 3	P=0.002**	P=0.023*	P=0.049*	P<0.001**
POLY 1.5	P=0.007**	P=0.050*	P=0.093	P=0.003**
POLY 6	P<0.001**	P=0.007**	P=0.019*	P<0.001**
COCH-ARM / FISHERS	P=0.036*	P=0.121	P=0.235	P=0.022*
MAX-ISO-POLY-3	P=0.002**	P=0.022*	P=0.046*	P<0.001**
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	(e)	(e)	(e)	(e)

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

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**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)
 TERMINAL SACRIFICE AT 104 WEEKS**

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

**All Organs
 Malignant and Benign Tumors**

TUMOR RATES	#	#	#	#
OVERALL (a)	44/50 (88%)	39/50 (78%)	39/50 (78%)	46/50 (92%)
POLY-3 RATE (b)	44/48.16	39/42.73	39/40.99	46/46.53
POLY-3 PERCENT (g)	91.4%	91.3%	95.1%	98.9%
TERMINAL (d)	25/28 (89%)	8/9 (89%)	4/4 (100%)	2/2 (100%)
FIRST INCIDENCE	274	62	367	192
HC TUMORS SAME RTE	0/0 (0%)			
HC TUMORS ALL RTES	0/0 (0%)			

STATISTICAL TESTS

POLY 3	P=0.029*	P=0.662N	P=0.370	P=0.085
POLY 1.5	P=0.034*	P=0.417N	P=0.603	P=0.115
POLY 6	P=0.051	P=0.469	P=0.238	P=0.096
COCH-ARM / FISHERS	P=0.113	P=0.143N	P=0.143N	P=0.370
MAX-ISO-POLY-3	P=0.037*	P=0.492N	P=0.224	P=0.030*
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	(e)	(e)	(e)	(e)

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

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 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Adrenal Cortex				
Adenoma				
TUMOR RATES				
OVERALL (a)	1/50 (2%)	1/50 (2%)	3/50 (6%)	4/49 (8%)
POLY-3 RATE (b)	1/38.86	1/38.12	3/37.24	4/38.61
POLY-3 PERCENT (g)	2.6%	2.6%	8.1%	10.4%
TERMINAL (d)	1/25 (4%)	1/30 (3%)	0/19 (0%)	1/17 (6%)
FIRST INCIDENCE	727 (T)	727 (T)	649	590
HC TUMORS SAME RTE	2/369 (1%)			
HC TUMORS ALL RTES	2/369 (1%)			

STATISTICAL TESTS

POLY 3	P=0.093	P=0.757	P=0.289	P=0.175
POLY 1.5	P=0.095	P=0.755	P=0.296	P=0.176
POLY 6	P=0.086	P=0.759N	P=0.278	P=0.170
COCH-ARM / FISHERS	P=0.090	P=0.753N	P=0.309	P=0.175
MAX-ISO-POLY-3	P=0.114	P=0.494	P=0.147	P=0.081
HISTCONT SAME RTE	P=0.008**	P=0.195	P=0.025*	P=0.017*
HISTCONT ALL RTES	P=0.008**	P=0.195	P=0.025*	P=0.017*

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 3,3',4,4'-Tetrachloroazobenzene
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 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)
 TERMINAL SACRIFICE AT 104 WEEKS**

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

**Adrenal Medulla
 Pheochromocytoma Benign**

TUMOR RATES

OVERALL (a)	3/50 (6%)	2/50 (4%)	3/50 (6%)	1/49 (2%)
POLY-3 RATE (b)	3/39.02	2/39	3/36.94	1/37.87
POLY-3 PERCENT (g)	7.7%	5.1%	8.1%	2.6%
TERMINAL (d)	2/25 (8%)	1/30 (3%)	2/19 (11%)	0/17 (0%)
FIRST INCIDENCE	684	366	668	684
HC TUMORS SAME RTE	28/368 (8%)			
HC TUMORS ALL RTES	28/368 (8%)			

STATISTICAL TESTS

POLY 3	P=0.280N	P=0.500N	P=0.638	P=0.315N
POLY 1.5	P=0.274N	P=0.506N	P=0.649	P=0.311N
POLY 6	P=0.299N	P=0.487N	P=0.619	P=0.326N
COCH-ARM / FISHERS	P=0.278N	P=0.500N	P=0.661N	P=0.316N
MAX-ISO-POLY-3	P=0.285N	P=0.323N	P=0.472	P=0.163N
HISTCONT SAME RTE	(h)	(h)	(h)	(h)
HISTCONT ALL RTES	(h)	(h)	(h)	(h)

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 07/18/2008
 Time Report Requested: 08:29:30
 First Dose M/F: 01/29/03 / 01/30/03
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)
 TERMINAL SACRIFICE AT 104 WEEKS**

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

**Adrenal Medulla
 Pheochromocytoma: Benign, Complex, Malignant, NOS**

TUMOR RATES

OVERALL (a)	3/50 (6%)	2/50 (4%)	3/50 (6%)	1/49 (2%)
POLY-3 RATE (b)	3/39.02	2/39	3/36.94	1/37.87
POLY-3 PERCENT (g)	7.7%	5.1%	8.1%	2.6%
TERMINAL (d)	2/25 (8%)	1/30 (3%)	2/19 (11%)	0/17 (0%)
FIRST INCIDENCE	684	366	668	684
HC TUMORS SAME RTE	30/368 (8%)			
HC TUMORS ALL RTES	30/368 (8%)			

STATISTICAL TESTS

POLY 3	P=0.280N	P=0.500N	P=0.638	P=0.315N
POLY 1.5	P=0.274N	P=0.506N	P=0.649	P=0.311N
POLY 6	P=0.299N	P=0.487N	P=0.619	P=0.326N
COCH-ARM / FISHERS	P=0.278N	P=0.500N	P=0.661N	P=0.316N
MAX-ISO-POLY-3	P=0.285N	P=0.323N	P=0.472	P=0.163N
HISTCONT SAME RTE	(h)	(h)	(h)	(h)
HISTCONT ALL RTES	(h)	(h)	(h)	(h)

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 07/18/2008
 Time Report Requested: 08:29:30
 First Dose M/F: 01/29/03 / 01/30/03
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)
 TERMINAL SACRIFICE AT 104 WEEKS**

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

**Heart
 Schwannoma Benign**

TUMOR RATES

OVERALL (a)	0/50 (0%)	1/50 (2%)	0/49 (0%)	0/49 (0%)
POLY-3 RATE (b)	0/38.86	1/38.12	0/36.56	0/37.7
POLY-3 PERCENT (g)	0%	2.6%	0%	0%
TERMINAL (d)	0/25 (0%)	1/30 (3%)	0/19 (0%)	0/17 (0%)
FIRST INCIDENCE	---	727 (T)	---	---
HC TUMORS SAME RTE	0/369 (0%)			
HC TUMORS ALL RTES	0/369 (0%)			

STATISTICAL TESTS

POLY 3	P=0.606N	P=0.496	(e)	(e)
POLY 1.5	P=0.607N	P=0.495	(e)	(e)
POLY 6	P=0.603N	P=0.502	(e)	(e)
COCH-ARM / FISHERS	P=0.605N	P=0.500	(e)	(e)
MAX-ISO-POLY-3	P=0.394N	P=0.158	(e)	(e)
HISTCONT SAME RTE	(h)	(h)	(e)	(e)
HISTCONT ALL RTES	(h)	(h)	(e)	(e)

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 07/18/2008
 Time Report Requested: 08:29:30
 First Dose M/F: 01/29/03 / 01/30/03
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)
 TERMINAL SACRIFICE AT 104 WEEKS**

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

**Islets, Pancreatic
 Adenoma**

TUMOR RATES

OVERALL (a)	0/50 (0%)	1/50 (2%)	1/50 (2%)	0/49 (0%)
POLY-3 RATE (b)	0/38.86	1/38.12	1/36.94	0/37.7
POLY-3 PERCENT (g)	0%	2.6%	2.7%	0%
TERMINAL (d)	0/25 (0%)	1/30 (3%)	0/19 (0%)	0/17 (0%)
FIRST INCIDENCE	---	727 (T)	668	---
HC TUMORS SAME RTE	5/367 (1%)			
HC TUMORS ALL RTES	5/367 (1%)			

STATISTICAL TESTS

POLY 3	P=0.543N	P=0.496	P=0.490	(e)
POLY 1.5	P=0.540N	P=0.495	P=0.494	(e)
POLY 6	P=0.551N	P=0.502	P=0.483	(e)
COCH-ARM / FISHERS	P=0.541N	P=0.500	P=0.500	(e)
MAX-ISO-POLY-3	P=0.404	P=0.158	P=0.158	(e)
HISTCONT SAME RTE	(h)	(h)	(h)	(e)
HISTCONT ALL RTES	(h)	(h)	(h)	(e)

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 07/18/2008
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 First Dose M/F: 01/29/03 / 01/30/03
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)
 TERMINAL SACRIFICE AT 104 WEEKS**

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

**Liver
 Cholangiocarcinoma**

TUMOR RATES

OVERALL (a)	1/50 (2%)	1/50 (2%)	1/49 (2%)	3/49 (6%)
POLY-3 RATE (b)	1/39.02	1/38.14	1/36.56	3/38.08
POLY-3 PERCENT (g)	2.6%	2.6%	2.7%	7.9%
TERMINAL (d)	0/25 (0%)	0/30 (0%)	1/19 (5%)	0/17 (0%)
FIRST INCIDENCE	684	722	727 (T)	658
HC TUMORS SAME RTE	0/371 (0%)			
HC TUMORS ALL RTES	0/371 (0%)			

STATISTICAL TESTS

POLY 3	P=0.153	P=0.756	P=0.747	P=0.295
POLY 1.5	P=0.156	P=0.755	P=0.751	P=0.299
POLY 6	P=0.144	P=0.761N	P=0.737	P=0.285
COCH-ARM / FISHERS	P=0.152	P=0.753N	P=0.747	P=0.301
MAX-ISO-POLY-3	P=0.188	P=0.493	P=0.481	P=0.148
HISTCONT SAME RTE	P=0.006**	P=0.060	P=0.061	P=0.014*
HISTCONT ALL RTES	P=0.006**	P=0.060	P=0.061	P=0.014*

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 07/18/2008
 Time Report Requested: 08:29:30
 First Dose M/F: 01/29/03 / 01/30/03
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Liver				
Hepatocellular Adenoma				
TUMOR RATES				
OVERALL (a)	2/50 (4%)	0/50 (0%)	1/49 (2%)	2/49 (4%)
POLY-3 RATE (b)	2/38.86	0/38.12	1/36.56	2/37.7
POLY-3 PERCENT (g)	5.2%	0%	2.7%	5.3%
TERMINAL (d)	2/25 (8%)	0/30 (0%)	1/19 (5%)	2/17 (12%)
FIRST INCIDENCE	727 (T)	---	727 (T)	727 (T)
HC TUMORS SAME RTE	4/371 (1%)			
HC TUMORS ALL RTES	4/371 (1%)			

STATISTICAL TESTS

POLY 3	P=0.404	P=0.241N	P=0.521N	P=0.684
POLY 1.5	P=0.409	P=0.243N	P=0.514N	P=0.688
POLY 6	P=0.384	P=0.234N	P=0.535N	P=0.673
COCH-ARM / FISHERS	P=0.401	P=0.247N	P=0.508N	P=0.684
MAX-ISO-POLY-3	P=0.413	P=0.079N	P=0.302N	P=0.487
HISTCONT SAME RTE	P=0.197	(e)	P=0.443	P=0.155
HISTCONT ALL RTES	P=0.197	(e)	P=0.443	P=0.155

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 07/18/2008
 Time Report Requested: 08:29:30
 First Dose M/F: 01/29/03 / 01/30/03
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)
 TERMINAL SACRIFICE AT 104 WEEKS**

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

**Liver
 Hepatocellular Carcinoma or Hepatocellular Adenoma**

TUMOR RATES

OVERALL (a)	2/50 (4%)	1/50 (2%)	1/49 (2%)	2/49 (4%)
POLY-3 RATE (b)	2/38.86	1/38.74	1/36.56	2/37.7
POLY-3 PERCENT (g)	5.2%	2.6%	2.7%	5.3%
TERMINAL (d)	2/25 (8%)	0/30 (0%)	1/19 (5%)	2/17 (12%)
FIRST INCIDENCE	727 (T)	527	727 (T)	727 (T)
HC TUMORS SAME RTE	4/371 (1%)			
HC TUMORS ALL RTES	4/371 (1%)			

STATISTICAL TESTS

POLY 3	P=0.511	P=0.501N	P=0.521N	P=0.684
POLY 1.5	P=0.518	P=0.506N	P=0.514N	P=0.688
POLY 6	P=0.491	P=0.488N	P=0.535N	P=0.673
COCH-ARM / FISHERS	P=0.514	P=0.500N	P=0.508N	P=0.684
MAX-ISO-POLY-3	P=0.545	P=0.281N	P=0.302N	P=0.487
HISTCONT SAME RTE	P=0.196	P=0.458	P=0.443	P=0.155
HISTCONT ALL RTES	P=0.196	P=0.458	P=0.443	P=0.155

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 07/18/2008
 Time Report Requested: 08:29:30
 First Dose M/F: 01/29/03 / 01/30/03
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)
 TERMINAL SACRIFICE AT 104 WEEKS**

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

Liver
 Hepatocellular Carcinoma, Hepatocellular Adenoma, or Hepatoblastoma

TUMOR RATES

OVERALL (a)	2/50 (4%)	1/50 (2%)	1/49 (2%)	2/49 (4%)
POLY-3 RATE (b)	2/38.86	1/38.74	1/36.56	2/37.7
POLY-3 PERCENT (g)	5.2%	2.6%	2.7%	5.3%
TERMINAL (d)	2/25 (8%)	0/30 (0%)	1/19 (5%)	2/17 (12%)
FIRST INCIDENCE	727 (T)	527	727 (T)	727 (T)
HC TUMORS SAME RTE	4/371 (1%)			
HC TUMORS ALL RTES	4/371 (1%)			

STATISTICAL TESTS

POLY 3	P=0.511	P=0.501N	P=0.521N	P=0.684
POLY 1.5	P=0.518	P=0.506N	P=0.514N	P=0.688
POLY 6	P=0.491	P=0.488N	P=0.535N	P=0.673
COCH-ARM / FISHERS	P=0.514	P=0.500N	P=0.508N	P=0.684
MAX-ISO-POLY-3	P=0.545	P=0.281N	P=0.302N	P=0.487
HISTCONT SAME RTE	P=0.196	P=0.458	P=0.443	P=0.155
HISTCONT ALL RTES	P=0.196	P=0.458	P=0.443	P=0.155

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 07/18/2008
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 First Dose M/F: 01/29/03 / 01/30/03
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)
 TERMINAL SACRIFICE AT 104 WEEKS**

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

Lung
 Alveolar/Bronchiolar Carcinoma or Alveolar/Bronchiolar Adenoma

TUMOR 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	0/37.7
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/25 (0%)	0/30 (0%)	0/19 (0%)	0/17 (0%)
FIRST INCIDENCE	---	---	---	---
HC TUMORS SAME RTE	2/370 (1%)			
HC TUMORS ALL RTES	2/370 (1%)			

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)
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	(e)	(e)	(e)	(e)

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 07/18/2008
 Time Report Requested: 08:29:30
 First Dose M/F: 01/29/03 / 01/30/03
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)
 TERMINAL SACRIFICE AT 104 WEEKS**

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

**Lung
 Cystic Keratinizing Epithelioma**

TUMOR RATES

OVERALL (a)	0/50 (0%)	6/50 (12%)	26/49 (53%)	39/49 (80%)
POLY-3 RATE (b)	0/38.86	6/38.61	26/41.54	39/43.57
POLY-3 PERCENT (g)	0%	15.5%	62.6%	89.5%
TERMINAL (d)	0/25 (0%)	4/30 (13%)	9/19 (47%)	17/17 (100%)
FIRST INCIDENCE	---	589	540	481
HC TUMORS SAME RTE	0/370 (0%)			
HC TUMORS ALL RTES	0/370 (0%)			

STATISTICAL TESTS

POLY 3	P<0.001**	P=0.014*	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P=0.014*	P<0.001**	P<0.001**
POLY 6	P<0.001**	P=0.016*	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**
HISTCONT SAME RTE	P<0.001**	P=0.004**	P<0.001**	P<0.001**
HISTCONT ALL RTES	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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 07/18/2008
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 First Dose M/F: 01/29/03 / 01/30/03
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)
 TERMINAL SACRIFICE AT 104 WEEKS**

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

**Mammary Gland
 Carcinoma**

TUMOR RATES	#	#	#	#
OVERALL (a)	4/50 (8%)	1/50 (2%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	4/40.69	1/38.12	0/36.72	0/37.78
POLY-3 PERCENT (g)	9.8%	2.6%	0%	0%
TERMINAL (d)	0/25 (0%)	1/30 (3%)	0/19 (0%)	0/17 (0%)
FIRST INCIDENCE	372	727 (T)	---	---
HC TUMORS SAME RTE	42/371 (11%)			
HC TUMORS ALL RTES	42/371 (11%)			

STATISTICAL TESTS

POLY 3	P=0.060N	P=0.198N	P=0.073N	P=0.069N
POLY 1.5	P=0.060N	P=0.194N	P=0.068N	P=0.065N
POLY 6	P=0.063N	P=0.195N	P=0.083N	P=0.077N
COCH-ARM / FISHERS	P=0.066N	P=0.181N	P=0.059N	P=0.059N
MAX-ISO-POLY-3	P=0.012N*	P=0.101N	P=0.030N*	P=0.027N*
HISTCONT SAME RTE	(h)	(h)	(h)	(h)
HISTCONT ALL RTES	(h)	(h)	(h)	(h)

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 07/18/2008
 Time Report Requested: 08:29:30
 First Dose M/F: 01/29/03 / 01/30/03
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)
 TERMINAL SACRIFICE AT 104 WEEKS**

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

**Mammary Gland
 Carcinoma or Adenoma**

TUMOR RATES	#	#	#	#
OVERALL (a)	5/50 (10%)	2/50 (4%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	5/40.89	2/38.12	0/36.72	0/37.78
POLY-3 PERCENT (g)	12.2%	5.3%	0%	0%
TERMINAL (d)	0/25 (0%)	2/30 (7%)	0/19 (0%)	0/17 (0%)
FIRST INCIDENCE	372	727 (T)	---	---
HC TUMORS SAME RTE	50/371 (14%)			
HC TUMORS ALL RTES	50/371 (14%)			

STATISTICAL TESTS

POLY 3	P=0.027N*	P=0.244N	P=0.040N*	P=0.037N*
POLY 1.5	P=0.027N*	P=0.238N	P=0.036N*	P=0.034N*
POLY 6	P=0.030N*	P=0.243N	P=0.047N*	P=0.043N*
COCH-ARM / FISHERS	P=0.031N*	P=0.218N	P=0.028N*	P=0.028N*
MAX-ISO-POLY-3	P=0.008N**	P=0.145N	P=0.017N*	P=0.015N*
HISTCONT SAME RTE	(h)	(h)	(h)	(h)
HISTCONT ALL RTES	(h)	(h)	(h)	(h)

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 07/18/2008
 Time Report Requested: 08:29:30
 First Dose M/F: 01/29/03 / 01/30/03
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Mammary Gland Fibroadenoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	31/50 (62%)	30/50 (60%)	24/50 (48%)	20/50 (40%)
POLY-3 RATE (b)	31/45.03	30/43.02	24/42.46	20/42.27
POLY-3 PERCENT (g)	68.9%	69.7%	56.5%	47.3%
TERMINAL (d)	14/25 (56%)	20/30 (67%)	11/19 (58%)	6/17 (35%)
FIRST INCIDENCE	478	335	273	467
HC TUMORS SAME RTE	263/371 (71%)			
HC TUMORS ALL RTES	263/371 (71%)			

STATISTICAL TESTS

POLY 3	P=0.010N**	P=0.558	P=0.155N	P=0.028N*
POLY 1.5	P=0.009N**	P=0.585	P=0.126N	P=0.022N*
POLY 6	P=0.016N*	P=0.538	P=0.225N	P=0.042N*
COCH-ARM / FISHERS	P=0.012N*	P=0.500N	P=0.114N	P=0.022N*
MAX-ISO-POLY-3	P=0.017N*	P=0.463	P=0.113N	P=0.019N*
HISTCONT SAME RTE	(h)	(h)	(h)	(h)
HISTCONT ALL RTES	(h)	(h)	(h)	(h)

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

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 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)
 TERMINAL SACRIFICE AT 104 WEEKS**

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

**Mammary Gland
 Fibroma, Fibroadenoma or Adenoma**

TUMOR RATES	#	#	#	#
OVERALL (a)	31/50 (62%)	31/50 (62%)	24/50 (48%)	20/50 (40%)
POLY-3 RATE (b)	31/45.03	31/43.02	24/42.46	20/42.27
POLY-3 PERCENT (g)	68.9%	72.1%	56.5%	47.3%
TERMINAL (d)	14/25 (56%)	21/30 (70%)	11/19 (58%)	6/17 (35%)
FIRST INCIDENCE	478	335	273	467
HC TUMORS SAME RTE	267/371 (72%)			
HC TUMORS ALL RTEs	267/371 (72%)			

STATISTICAL TESTS

POLY 3	P=0.008N**	P=0.460	P=0.155N	P=0.028N*
POLY 1.5	P=0.007N**	P=0.492	P=0.126N	P=0.022N*
POLY 6	P=0.012N*	P=0.437	P=0.225N	P=0.042N*
COCH-ARM / FISHERS	P=0.010N**	P=0.582N	P=0.114N	P=0.022N*
MAX-ISO-POLY-3	P=0.012N*	P=0.368	P=0.113N	P=0.019N*
HISTCONT SAME RTE	(h)	(h)	(h)	(h)
HISTCONT ALL RTEs	(h)	(h)	(h)	(h)

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 07/18/2008
 Time Report Requested: 08:29:30
 First Dose M/F: 01/29/03 / 01/30/03
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)
 TERMINAL SACRIFICE AT 104 WEEKS**

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

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

TUMOR RATES	#	#	#	#
OVERALL (a)	32/50 (64%)	31/50 (62%)	24/50 (48%)	20/50 (40%)
POLY-3 RATE (b)	32/45.89	31/43.02	24/42.46	20/42.27
POLY-3 PERCENT (g)	69.7%	72.1%	56.5%	47.3%
TERMINAL (d)	14/25 (56%)	21/30 (70%)	11/19 (58%)	6/17 (35%)
FIRST INCIDENCE	372	335	273	467
HC TUMORS SAME RTE	279/371 (75%)			
HC TUMORS ALL RTEs	279/371 (75%)			

STATISTICAL TESTS

POLY 3	P=0.006N**	P=0.497	P=0.133N	P=0.022N*
POLY 1.5	P=0.005N**	P=0.544	P=0.100N	P=0.016N*
POLY 6	P=0.010N**	P=0.464	P=0.202N	P=0.035N*
COCH-ARM / FISHERS	P=0.007N**	P=0.500N	P=0.079N	P=0.014N*
MAX-ISO-POLY-3	P=0.010N**	P=0.402	P=0.098N	P=0.015N*
HISTCONT SAME RTE	(h)	(h)	(h)	(h)
HISTCONT ALL RTEs	(h)	(h)	(h)	(h)

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 07/18/2008
 Time Report Requested: 08:29:30
 First Dose M/F: 01/29/03 / 01/30/03
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)
 TERMINAL SACRIFICE AT 104 WEEKS**

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

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

TUMOR RATES	#	#	#	#
OVERALL (a)	0/50 (0%)	0/50 (0%)	4/50 (8%)	6/50 (12%)
POLY-3 RATE (b)	0/38.86	0/38.12	4/37.73	6/39.07
POLY-3 PERCENT (g)	0%	0%	10.6%	15.4%
TERMINAL (d)	0/25 (0%)	0/30 (0%)	1/19 (5%)	1/17 (6%)
FIRST INCIDENCE	---	---	574	551
HC TUMORS SAME RTE	4/371 (1%)			
HC TUMORS ALL RTES	4/371 (1%)			

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=0.052	P=0.014*
COCH-ARM / FISHERS	P=0.003**	(e)	P=0.059	P=0.013*
MAX-ISO-POLY-3	P=0.004**	(e)	P=0.019*	P=0.004**
HISTCONT SAME RTE	P=0.004**	(e)	P=0.020*	P=0.005**
HISTCONT ALL RTES	P=0.004**	(e)	P=0.020*	P=0.005**

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 07/18/2008
 Time Report Requested: 08:29:30
 First Dose M/F: 01/29/03 / 01/30/03
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)
 TERMINAL SACRIFICE AT 104 WEEKS**

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

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

TUMOR RATES	#	#	#	#
OVERALL (a)	0/50 (0%)	0/50 (0%)	4/50 (8%)	6/50 (12%)
POLY-3 RATE (b)	0/38.86	0/38.12	4/37.73	6/39.07
POLY-3 PERCENT (g)	0%	0%	10.6%	15.4%
TERMINAL (d)	0/25 (0%)	0/30 (0%)	1/19 (5%)	1/17 (6%)
FIRST INCIDENCE	---	---	574	551
HC TUMORS SAME RTE	4/371 (1%)			
HC TUMORS ALL RTES	4/371 (1%)			

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=0.052	P=0.014*
COCH-ARM / FISHERS	P=0.003**	(e)	P=0.059	P=0.013*
MAX-ISO-POLY-3	P=0.004**	(e)	P=0.019*	P=0.004**
HISTCONT SAME RTE	P=0.004**	(e)	P=0.020*	P=0.005**
HISTCONT ALL RTES	P=0.004**	(e)	P=0.020*	P=0.005**

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 07/18/2008
 Time Report Requested: 08:29:30
 First Dose M/F: 01/29/03 / 01/30/03
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Oral Mucosa Squamous Cell Carcinoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	0/50 (0%)	0/50 (0%)	4/50 (8%)	6/50 (12%)
POLY-3 RATE (b)	0/38.86	0/38.12	4/37.73	6/39.07
POLY-3 PERCENT (g)	0%	0%	10.6%	15.4%
TERMINAL (d)	0/25 (0%)	0/30 (0%)	1/19 (5%)	1/17 (6%)
FIRST INCIDENCE	---	---	574	551
HC TUMORS SAME RTE	4/371 (1%)			
HC TUMORS ALL RTES	4/371 (1%)			

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=0.052	P=0.014*
COCH-ARM / FISHERS	P=0.003**	(e)	P=0.059	P=0.013*
MAX-ISO-POLY-3	P=0.004**	(e)	P=0.019*	P=0.004**
HISTCONT SAME RTE	P=0.004**	(e)	P=0.020*	P=0.005**
HISTCONT ALL RTES	P=0.004**	(e)	P=0.020*	P=0.005**

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 07/18/2008
 Time Report Requested: 08:29:30
 First Dose M/F: 01/29/03 / 01/30/03
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)
 TERMINAL SACRIFICE AT 104 WEEKS**

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

**Ovary
 Thecoma Benign**

TUMOR RATES

OVERALL (a)	0/50 (0%)	1/50 (2%)	2/50 (4%)	0/50 (0%)
POLY-3 RATE (b)	0/38.86	1/38.12	2/36.72	0/37.78
POLY-3 PERCENT (g)	0%	2.6%	5.5%	0%
TERMINAL (d)	0/25 (0%)	1/30 (3%)	2/19 (11%)	0/17 (0%)
FIRST INCIDENCE	---	727 (T)	727 (T)	---
HC TUMORS SAME RTE	0/367 (0%)			
HC TUMORS ALL RTES	0/367 (0%)			

STATISTICAL TESTS

POLY 3	P=0.509N	P=0.496	P=0.224	(e)
POLY 1.5	P=0.502N	P=0.495	P=0.230	(e)
POLY 6	P=0.525N	P=0.502	P=0.214	(e)
COCH-ARM / FISHERS	P=0.500N	P=0.500	P=0.247	(e)
MAX-ISO-POLY-3	P=0.327	P=0.158	P=0.075	(e)
HISTCONT SAME RTE	(h)	(h)	(h)	(e)
HISTCONT ALL RTES	(h)	(h)	(h)	(e)

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 07/18/2008
 Time Report Requested: 08:29:30
 First Dose M/F: 01/29/03 / 01/30/03
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)
 TERMINAL SACRIFICE AT 104 WEEKS**

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

**Pancreas
 Adenoma**

TUMOR RATES

OVERALL (a)	0/50 (0%)	0/49 (0%)	0/49 (0%)	0/49 (0%)
POLY-3 RATE (b)	0/38.86	0/38.11	0/36.56	0/37.7
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/25 (0%)	0/30 (0%)	0/19 (0%)	0/17 (0%)
FIRST INCIDENCE	---	---	---	---
HC TUMORS SAME RTE	1/366 (0%)			
HC TUMORS ALL RTES	1/366 (0%)			

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)
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	(e)	(e)	(e)	(e)

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 07/18/2008
 Time Report Requested: 08:29:30
 First Dose M/F: 01/29/03 / 01/30/03
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)
 TERMINAL SACRIFICE AT 104 WEEKS**

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

**Pancreas
 Carcinoma or Adenoma**

TUMOR RATES

OVERALL (a)	1/50 (2%)	0/49 (0%)	1/49 (2%)	0/49 (0%)
POLY-3 RATE (b)	1/38.86	0/38.11	1/37.02	0/37.7
POLY-3 PERCENT (g)	2.6%	0%	2.7%	0%
TERMINAL (d)	1/25 (4%)	0/30 (0%)	0/19 (0%)	0/17 (0%)
FIRST INCIDENCE	727 (T)	---	593	---
HC TUMORS SAME RTE	1/366 (0%)			
HC TUMORS ALL RTES	1/366 (0%)			

STATISTICAL TESTS

POLY 3	P=0.468N	P=0.504N	P=0.751	P=0.506N
POLY 1.5	P=0.464N	P=0.506N	P=0.753	P=0.504N
POLY 6	P=0.480N	P=0.498N	P=0.744	P=0.513N
COCH-ARM / FISHERS	P=0.466N	P=0.505N	P=0.747	P=0.505N
MAX-ISO-POLY-3	P=0.268N	P=0.162N	P=0.486	P=0.164N
HISTCONT SAME RTE	(h)	(h)	(h)	(h)
HISTCONT ALL RTES	(h)	(h)	(h)	(h)

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 07/18/2008
 Time Report Requested: 08:29:30
 First Dose M/F: 01/29/03 / 01/30/03
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS 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 or Unspecified Site
 Adenoma**

TUMOR RATES

OVERALL (a)	13/50 (26%)	11/50 (22%)	4/50 (8%)	6/50 (12%)
POLY-3 RATE (b)	13/39.56	11/38.21	4/37.4	6/38.41
POLY-3 PERCENT (g)	32.9%	28.8%	10.7%	15.6%
TERMINAL (d)	10/25 (40%)	10/30 (33%)	1/19 (5%)	4/17 (24%)
FIRST INCIDENCE	636	705	611	608
HC TUMORS SAME RTE	153/369 (42%)			
HC TUMORS ALL RTEs	153/369 (42%)			

STATISTICAL TESTS

POLY 3	P=0.050N*	P=0.442N	P=0.016N*	P=0.061N
POLY 1.5	P=0.050N*	P=0.442N	P=0.015N*	P=0.059N
POLY 6	P=0.057N	P=0.424N	P=0.019N*	P=0.068N
COCH-ARM / FISHERS	P=0.059N	P=0.408N	P=0.016N*	P=0.062N
MAX-ISO-POLY-3	P=0.026N*	P=0.348N	P=0.009N**	P=0.036N*
HISTCONT SAME RTE	(h)	(h)	(h)	(h)
HISTCONT ALL RTEs	(h)	(h)	(h)	(h)

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 07/18/2008
 Time Report Requested: 08:29:30
 First Dose M/F: 01/29/03 / 01/30/03
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)
 TERMINAL SACRIFICE AT 104 WEEKS**

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

**Salivary Glands
 Schwannoma Malignant**

TUMOR RATES

OVERALL (a)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/49 (0%)
POLY-3 RATE (b)	0/38.86	0/38	0/36.72	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	---	---	---	---
HC TUMORS SAME RTE	0/365 (0%)			
HC TUMORS ALL RTES	0/365 (0%)			

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)
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	(e)	(e)	(e)	(e)

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 07/18/2008
 Time Report Requested: 08:29:30
 First Dose M/F: 01/29/03 / 01/30/03
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)
 TERMINAL SACRIFICE AT 104 WEEKS**

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

**Skin
 Basal Cell Adenoma**

TUMOR 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	1/37.87
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	---	---	---	705
HC TUMORS SAME RTE	1/371 (0%)			
HC TUMORS ALL RTES	1/371 (0%)			

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=0.211	(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
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	(e)	(e)	(e)	(e)

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 07/18/2008
 Time Report Requested: 08:29:30
 First Dose M/F: 01/29/03 / 01/30/03
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)
 TERMINAL SACRIFICE AT 104 WEEKS**

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

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

TUMOR 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	1/37.87
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	---	---	---	705
HC TUMORS SAME RTE	1/371 (0%)			
HC TUMORS ALL RTES	1/371 (0%)			

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=0.211	(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
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	(e)	(e)	(e)	(e)

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 07/18/2008
 Time Report Requested: 08:29:30
 First Dose M/F: 01/29/03 / 01/30/03
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)
 TERMINAL SACRIFICE AT 104 WEEKS**

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

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

TUMOR 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	1/37.87
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	---	---	---	705
HC TUMORS SAME RTE	2/371 (1%)			
HC TUMORS ALL RTES	2/371 (1%)			

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=0.211	(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
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	(e)	(e)	(e)	(e)

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 07/18/2008
 Time Report Requested: 08:29:30
 First Dose M/F: 01/29/03 / 01/30/03
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)
 TERMINAL SACRIFICE AT 104 WEEKS**

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

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

TUMOR RATES	#	#	#	#
OVERALL (a)	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	1/37.87
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	---	---	---	705
HC TUMORS SAME RTE	4/371 (1%)			
HC TUMORS ALL RTES	4/371 (1%)			

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=0.211	(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
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	(e)	(e)	(e)	(e)

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 07/18/2008
 Time Report Requested: 08:29:30
 First Dose M/F: 01/29/03 / 01/30/03
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Skin Fibroma				
TUMOR 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	---	---	---	---
HC TUMORS SAME RTE	6/371 (2%)			
HC TUMORS ALL RTES	6/371 (2%)			

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)
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	(e)	(e)	(e)	(e)

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 07/18/2008
 Time Report Requested: 08:29:30
 First Dose M/F: 01/29/03 / 01/30/03
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)
 TERMINAL SACRIFICE AT 104 WEEKS**

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

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

TUMOR 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
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	---	---	---	671
HC TUMORS SAME RTE	7/371 (2%)			
HC TUMORS ALL RTES	7/371 (2%)			

STATISTICAL TESTS

POLY 3	P=0.219	(e)	(e)	P=0.496
POLY 1.5	P=0.221	(e)	(e)	P=0.498
POLY 6	P=0.212	(e)	(e)	P=0.490
COCH-ARM / FISHERS	P=0.221	(e)	(e)	P=0.500
MAX-ISO-POLY-3	P=0.126	(e)	(e)	P=0.158
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	(e)	(e)	(e)	(e)

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 07/18/2008
 Time Report Requested: 08:29:30
 First Dose M/F: 01/29/03 / 01/30/03
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Skin				
Keratoacanthoma				
TUMOR 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	---	---	---	---
HC TUMORS SAME RTE	1/371 (0%)			
HC TUMORS ALL RTES	1/371 (0%)			

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)
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	(e)	(e)	(e)	(e)

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 07/18/2008
 Time Report Requested: 08:29:30
 First Dose M/F: 01/29/03 / 01/30/03
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)
 TERMINAL SACRIFICE AT 104 WEEKS**

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

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

TUMOR 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	---	---	---	---
HC TUMORS SAME RTE	2/371 (1%)			
HC TUMORS ALL RTES	2/371 (1%)			

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)
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	(e)	(e)	(e)	(e)

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 07/18/2008
 Time Report Requested: 08:29:30
 First Dose M/F: 01/29/03 / 01/30/03
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)
 TERMINAL SACRIFICE AT 104 WEEKS**

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

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

TUMOR 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	---	---	---	---
HC TUMORS SAME RTE	2/371 (1%)			
HC TUMORS ALL RTES	2/371 (1%)			

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)
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	(e)	(e)	(e)	(e)

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 07/18/2008
 Time Report Requested: 08:29:30
 First Dose M/F: 01/29/03 / 01/30/03
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)
 TERMINAL SACRIFICE AT 104 WEEKS**

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

**Stomach, Forestomach
 Squamous Cell Carcinoma or Papilloma Squamous**

TUMOR RATES	#	#	#	#
OVERALL (a)	0/50 (0%)	1/50 (2%)	0/50 (0%)	4/50 (8%)
POLY-3 RATE (b)	0/38.86	1/38.12	0/36.72	4/38.84
POLY-3 PERCENT (g)	0%	2.6%	0%	10.3%
TERMINAL (d)	0/25 (0%)	1/30 (3%)	0/19 (0%)	0/17 (0%)
FIRST INCIDENCE	---	727 (T)	---	590
HC TUMORS SAME RTE	2/371 (1%)			
HC TUMORS ALL RTES	2/371 (1%)			

STATISTICAL TESTS

POLY 3	P=0.009**	P=0.496	(e)	P=0.059
POLY 1.5	P=0.009**	P=0.495	(e)	P=0.060
POLY 6	P=0.009**	P=0.502	(e)	P=0.057
COCH-ARM / FISHERS	P=0.010**	P=0.500	(e)	P=0.059
MAX-ISO-POLY-3	P=0.008**	P=0.158	(e)	P=0.019*
HISTCONT SAME RTE	P=0.008**	P=0.175	(e)	P=0.019*
HISTCONT ALL RTES	P=0.008**	P=0.175	(e)	P=0.019*

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 07/18/2008
 Time Report Requested: 08:29:30
 First Dose M/F: 01/29/03 / 01/30/03
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)
 TERMINAL SACRIFICE AT 104 WEEKS**

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

**Stomach, Forestomach
 Squamous Cell Papilloma**

TUMOR RATES	#	#	#	#
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	3/50 (6%)
POLY-3 RATE (b)	0/38.86	0/38.12	0/36.72	3/38.44
POLY-3 PERCENT (g)	0%	0%	0%	7.8%
TERMINAL (d)	0/25 (0%)	0/30 (0%)	0/19 (0%)	0/17 (0%)
FIRST INCIDENCE	---	---	---	590
HC TUMORS SAME RTE	0/371 (0%)			
HC TUMORS ALL RTES	0/371 (0%)			

STATISTICAL TESTS

POLY 3	P=0.008**	(e)	(e)	P=0.116
POLY 1.5	P=0.008**	(e)	(e)	P=0.118
POLY 6	P=0.007**	(e)	(e)	P=0.111
COCH-ARM / FISHERS	P=0.009**	(e)	(e)	P=0.121
MAX-ISO-POLY-3	P=0.010**	(e)	(e)	P=0.037*
HISTCONT SAME RTE	P=0.006**	(e)	(e)	P=0.013*
HISTCONT ALL RTES	P=0.006**	(e)	(e)	P=0.013*

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 07/18/2008
 Time Report Requested: 08:29:30
 First Dose M/F: 01/29/03 / 01/30/03
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS 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
 Adenoma**

TUMOR RATES

OVERALL (a)	10/50 (20%)	9/49 (18%)	11/50 (22%)	1/50 (2%)
POLY-3 RATE (b)	10/40.05	9/38	11/37.94	1/37.78
POLY-3 PERCENT (g)	25%	23.7%	29%	2.7%
TERMINAL (d)	7/25 (28%)	9/30 (30%)	5/19 (26%)	1/17 (6%)
FIRST INCIDENCE	587	727 (T)	540	727 (T)
HC TUMORS SAME RTE	100/367 (27%)			
HC TUMORS ALL RTEs	100/367 (27%)			

STATISTICAL TESTS

POLY 3	P=0.003N**	P=0.553N	P=0.442	P=0.005N**
POLY 1.5	P=0.003N**	P=0.549N	P=0.468	P=0.004N**
POLY 6	P=0.005N**	P=0.545N	P=0.399	P=0.006N**
COCH-ARM / FISHERS	P=0.004N**	P=0.520N	P=0.500	P=0.004N**
MAX-ISO-POLY-3	P=0.006N**	P=0.447N	P=0.346	P=0.002N**
HISTCONT SAME RTE	(h)	(h)	(h)	(h)
HISTCONT ALL RTEs	(h)	(h)	(h)	(h)

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 07/18/2008
 Time Report Requested: 08:29:30
 First Dose M/F: 01/29/03 / 01/30/03
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS 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
 Carcinoma or Adenoma**

TUMOR RATES

OVERALL (a)	11/50 (22%)	9/49 (18%)	11/50 (22%)	1/50 (2%)
POLY-3 RATE (b)	11/40.05	9/38	11/37.94	1/37.78
POLY-3 PERCENT (g)	27.5%	23.7%	29%	2.7%
TERMINAL (d)	8/25 (32%)	9/30 (30%)	5/19 (26%)	1/17 (6%)
FIRST INCIDENCE	587	727 (T)	540	727 (T)
HC TUMORS SAME RTE	113/367 (31%)			
HC TUMORS ALL RTEs	113/367 (31%)			

STATISTICAL TESTS

POLY 3	P=0.002N**	P=0.451N	P=0.541	P=0.002N**
POLY 1.5	P=0.002N**	P=0.449N	P=0.566	P=0.002N**
POLY 6	P=0.003N**	P=0.441N	P=0.499	P=0.003N**
COCH-ARM / FISHERS	P=0.002N**	P=0.421N	P=0.595N	P=0.002N**
MAX-ISO-POLY-3	P=0.004N**	P=0.352N	P=0.440	P<0.001N**
HISTCONT SAME RTE	(h)	(h)	(h)	(h)
HISTCONT ALL RTEs	(h)	(h)	(h)	(h)

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 07/18/2008
 Time Report Requested: 08:29:30
 First Dose M/F: 01/29/03 / 01/30/03
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS 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
 Adenoma**

TUMOR RATES

OVERALL (a)	0/50 (0%)	0/49 (0%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	0/38.86	0/38	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)
HC TUMORS SAME RTE	1/367 (0%)			
HC TUMORS ALL RTES	1/367 (0%)			

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=0.222	(e)	(e)	P=0.500
MAX-ISO-POLY-3	P=0.127	(e)	(e)	P=0.158
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	(e)	(e)	(e)	(e)

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 07/18/2008
 Time Report Requested: 08:29:30
 First Dose M/F: 01/29/03 / 01/30/03
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Tissue NOS				
Schwannoma Malignant				
TUMOR 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	---	---	---	---
HC TUMORS SAME RTE	0/371 (0%)			
HC TUMORS ALL RTES	0/371 (0%)			

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)
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	(e)	(e)	(e)	(e)

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 07/18/2008
 Time Report Requested: 08:29:30
 First Dose M/F: 01/29/03 / 01/30/03
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Uterus Carcinoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	1/50 (2%)	1/50 (2%)	2/50 (4%)	2/50 (4%)
POLY-3 RATE (b)	1/38.86	1/38.12	2/37.16	2/38.13
POLY-3 PERCENT (g)	2.6%	2.6%	5.4%	5.3%
TERMINAL (d)	1/25 (4%)	1/30 (3%)	1/19 (5%)	1/17 (6%)
FIRST INCIDENCE	727 (T)	727 (T)	597	632
HC TUMORS SAME RTE	3/371 (1%)			
HC TUMORS ALL RTES	3/371 (1%)			

STATISTICAL TESTS

POLY 3	P=0.391	P=0.757	P=0.484	P=0.493
POLY 1.5	P=0.398	P=0.755	P=0.491	P=0.498
POLY 6	P=0.373	P=0.759N	P=0.473	P=0.484
COCH-ARM / FISHERS	P=0.395	P=0.753N	P=0.500	P=0.500
MAX-ISO-POLY-3	P=0.436	P=0.494	P=0.271	P=0.276
HISTCONT SAME RTE	P=0.076	P=0.264	P=0.058	P=0.057
HISTCONT ALL RTES	P=0.076	P=0.264	P=0.058	P=0.057

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 07/18/2008
 Time Report Requested: 08:29:30
 First Dose M/F: 01/29/03 / 01/30/03
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Uterus				
Polyp Stromal				
TUMOR RATES	#	#	#	#
OVERALL (a)	8/50 (16%)	11/50 (22%)	10/50 (20%)	10/50 (20%)
POLY-3 RATE (b)	8/39.85	11/38.67	10/38.16	10/38.72
POLY-3 PERCENT (g)	20.1%	28.5%	26.2%	25.8%
TERMINAL (d)	6/25 (24%)	10/30 (33%)	5/19 (26%)	7/17 (41%)
FIRST INCIDENCE	504	560	560	608
HC TUMORS SAME RTE	54/371 (15%)			
HC TUMORS ALL RTES	54/371 (15%)			

STATISTICAL TESTS

POLY 3	P=0.460	P=0.272	P=0.353	P=0.366
POLY 1.5	P=0.480	P=0.274	P=0.372	P=0.383
POLY 6	P=0.416	P=0.287	P=0.325	P=0.337
COCH-ARM / FISHERS	P=0.482	P=0.306	P=0.398	P=0.398
MAX-ISO-POLY-3	P=0.396	P=0.195	P=0.263	P=0.273
HISTCONT SAME RTE	P=0.328	P=0.169	P=0.249	P=0.261
HISTCONT ALL RTES	P=0.328	P=0.169	P=0.249	P=0.261

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 07/18/2008
 Time Report Requested: 08:29:30
 First Dose M/F: 01/29/03 / 01/30/03
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
Uterus				
Sarcoma Stromal or Polyp Stromal				
TUMOR RATES	#	#	#	#
OVERALL (a)	8/50 (16%)	11/50 (22%)	10/50 (20%)	11/50 (22%)
POLY-3 RATE (b)	8/39.85	11/38.67	10/38.16	11/39.19
POLY-3 PERCENT (g)	20.1%	28.5%	26.2%	28.1%
TERMINAL (d)	6/25 (24%)	10/30 (33%)	5/19 (26%)	7/17 (41%)
FIRST INCIDENCE	504	560	560	590
HC TUMORS SAME RTE	54/371 (15%)			
HC TUMORS ALL RTES	54/371 (15%)			

STATISTICAL TESTS

POLY 3	P=0.356	P=0.272	P=0.353	P=0.283
POLY 1.5	P=0.370	P=0.274	P=0.372	P=0.295
POLY 6	P=0.323	P=0.287	P=0.325	P=0.261
COCH-ARM / FISHERS	P=0.367	P=0.306	P=0.398	P=0.306
MAX-ISO-POLY-3	P=0.334	P=0.195	P=0.263	P=0.202
HISTCONT SAME RTE	P=0.191	P=0.169	P=0.249	P=0.176
HISTCONT ALL RTES	P=0.191	P=0.169	P=0.249	P=0.176

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 07/18/2008
 Time Report Requested: 08:29:30
 First Dose M/F: 01/29/03 / 01/30/03
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)
 TERMINAL SACRIFICE AT 104 WEEKS**

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

**All Organs
 Malignant Lymphoma: Histiocytic, Lymphocytic, Mixed, NOS, or Undifferentiated Cell Type**

TUMOR RATES	#	#	#	#
OVERALL (a)	0/50 (0%)	1/50 (2%)	2/50 (4%)	2/50 (4%)
POLY-3 RATE (b)	0/38.86	1/38.12	2/36.92	2/37.81
POLY-3 PERCENT (g)	0%	2.6%	5.4%	5.3%
TERMINAL (d)	0/25 (0%)	1/30 (3%)	1/19 (5%)	1/17 (6%)
FIRST INCIDENCE	---	727 (T)	673	721
HC TUMORS SAME RTE	4/371 (1%)			
HC TUMORS ALL RTES	4/371 (1%)			

STATISTICAL TESTS

POLY 3	P=0.234	P=0.496	P=0.225	P=0.230
POLY 1.5	P=0.242	P=0.495	P=0.230	P=0.234
POLY 6	P=0.218	P=0.502	P=0.217	P=0.222
COCH-ARM / FISHERS	P=0.243	P=0.500	P=0.247	P=0.247
MAX-ISO-POLY-3	P=0.157	P=0.158	P=0.075	P=0.075
HISTCONT SAME RTE	P=0.187	P=0.196	P=0.089	P=0.089
HISTCONT ALL RTES	P=0.187	P=0.196	P=0.089	P=0.089

TDMS No. 88148 - 06
 Test Type: CHRONIC
 Route: GAVAGE
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**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
All Organs				
Benign Tumors				
TUMOR RATES	#	#	#	#
OVERALL (a)	40/50 (80%)	42/50 (84%)	39/50 (78%)	42/50 (84%)
POLY-3 RATE (b)	40/45.28	42/44.94	39/44.68	42/45.13
POLY-3 PERCENT (g)	88.3%	93.5%	87.3%	93.1%
TERMINAL (d)	22/25 (88%)	29/30 (97%)	17/19 (90%)	17/17 (100%)
FIRST INCIDENCE	478	335	273	467
HC TUMORS SAME RTE	332/371 (90%)			
HC TUMORS ALL RTES	332/371 (90%)			

STATISTICAL TESTS

POLY 3	P=0.354	P=0.291	P=0.576N	P=0.314
POLY 1.5	P=0.400	P=0.305	P=0.527N	P=0.360
POLY 6	P=0.288	P=0.291	P=0.660	P=0.255
COCH-ARM / FISHERS	P=0.408	P=0.398	P=0.500N	P=0.398
MAX-ISO-POLY-3	P=0.296	P=0.167	P=0.429N	P=0.182
HISTCONT SAME RTE	P=0.357	P=0.208	P=1.000	P=0.229
HISTCONT ALL RTES	P=0.357	P=0.208	P=1.000	P=0.229

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
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**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 MG/KG	10 MG/KG	30 MG/KG	100 MG/KG
All Organs				
Malignant Tumors				
TUMOR RATES	#	#	#	#
OVERALL (a)	13/50 (26%)	10/50 (20%)	12/50 (24%)	12/50 (24%)
POLY-3 RATE (b)	13/42.25	10/39.32	12/39.14	12/40.68
POLY-3 PERCENT (g)	30.8%	25.4%	30.7%	29.5%
TERMINAL (d)	5/25 (20%)	7/30 (23%)	5/19 (26%)	3/17 (18%)
FIRST INCIDENCE	372	527	574	551
HC TUMORS SAME RTE	98/371 (26%)			
HC TUMORS ALL RTES	98/371 (26%)			

STATISTICAL TESTS

POLY 3	P=0.532	P=0.386N	P=0.592N	P=0.545N
POLY 1.5	P=0.542	P=0.372N	P=0.557N	P=0.526N
POLY 6	P=0.507	P=0.381N	P=0.561	P=0.570N
COCH-ARM / FISHERS	P=0.534	P=0.318N	P=0.500N	P=0.500N
MAX-ISO-POLY-3	P=0.638N	P=0.302N	P=0.495N	P=0.449N
HISTCONT SAME RTE	P=0.776	P=1.000	P=1.000	P=1.000
HISTCONT ALL RTES	P=0.776	P=1.000	P=1.000	P=1.000

TDMS No. 88148 - 06
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P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
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**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(SD)
 TERMINAL SACRIFICE AT 104 WEEKS**

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

**All Organs
 Malignant and Benign Tumors**

TUMOR RATES	#	#	#	#
OVERALL (a)	44/50 (88%)	44/50 (88%)	42/50 (84%)	44/50 (88%)
POLY-3 RATE (b)	44/47.48	44/45.5	42/45.67	44/46.08
POLY-3 PERCENT (g)	92.7%	96.7%	92%	95.5%
TERMINAL (d)	23/25 (92%)	30/30 (100%)	18/19 (95%)	17/17 (100%)
FIRST INCIDENCE	372	335	273	467
HC TUMORS SAME RTE	351/371 (95%)			
HC TUMORS ALL RTES	351/371 (95%)			

STATISTICAL TESTS

POLY 3	P=0.476	P=0.318	P=0.618N	P=0.437
POLY 1.5	P=0.534	P=0.405	P=0.511N	P=0.521
POLY 6	P=0.427	P=0.262	P=0.659	P=0.376
COCH-ARM / FISHERS	P=0.554	P=0.620N	P=0.387N	P=0.620N
MAX-ISO-POLY-3	P=0.394	P=0.159	P=0.441N	P=0.255
HISTCONT SAME RTE	P=0.475	P=0.199	P=1.000	P=0.327
HISTCONT ALL RTES	P=0.475	P=0.199	P=1.000	P=0.327

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
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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.
 - (h) Value of Historical Controls statistic is only calculated when Poly-3 trend is positive and when there is more than one tumor in the treatment groups.
 - (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 ***