

TDMS No. 20114 - 07
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Sodium dichromate dihydrate (VI)
CAS Number: 7789-12-0

Date Report Reqsted: 10/04/2007
Time Report Reqsted: 10:38:19
First Dose M/F: 10/02/02 / 10/02/02
Lab: SRI

F2_R2

C Number:	C20114		
Lock Date:	10/04/2005		
Cage Range:	ALL		
Date Range:	ALL		
Reasons For Removal:	25021 TSAC	25020 NATD	25019 MSAC
Removal Date Range:	ALL		
Treatment Groups:	Include ALL		
TDMSE Version:	1.8.0		

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SUMMARY OF STATISTICALLY SIGNIFICANT ($P \leq .05$) RESULTS IN THE ANALYSIS OF Sodium dichromate dihydrate (VI)

MALE RATS

Organ

Adrenal Cortex

Bone Marrow

Eye

Heart

Intestine Small, Duodenum

Kidney

Kidney: Renal Tubule

Liver

Liver: Bile Duct

Liver: Centrilobular

Lung: Alveolar Epithelium

Lymph Node, Mesenteric

Lymph Node, Pancreatic

Lymph Node: Deep Cervical

Mammary Gland

Mesentery: Fat

Nose

Pancreas

Pancreas: Acinus

Prostate

Salivary Glands

Morphology

Accessory Adrenal Cortical Nodule

Hypertrophy Focal

Hyperplasia

Inflammation Chronic

Thrombosis

Infiltration Cellular Histiocyte

Inflammation Chronic

Nephropathy

Pigmentation

Basophilic Focus

Clear Cell Focus

Degeneration Cystic

Infiltration Cellular Histiocyte

Inflammation Chronic

Hyperplasia

Necrosis

Hyperplasia

Hemorrhage

Hyperplasia Lymphoid

Infiltration Cellular Histiocyte

Infiltration Cellular Histiocyte

Ectasia

Hyperplasia Lymphoid

Hyperplasia

Necrosis

Foreign Body

Inflammation Chronic

Atrophy

Cytoplasmic Alteration

Inflammation Chronic

Necrosis

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SUMMARY OF STATISTICALLY SIGNIFICANT ($P \leq .05$) RESULTS IN THE ANALYSIS OF Sodium dichromate dihydrate (VI)

Spleen
Stomach, Glandular

Thyroid Gland
Thyroid Gland: C-Cell

FEMALE RATS

Organ

Adrenal Cortex

Eye
Intestine Small, Duodenum
Intestine Small, Ileum: Lymphoid Tissue
Kidney

Kidney: Renal Tubule

Liver

Liver: Centrilobular
Lymph Node, Mesenteric

Lymph Node, Pancreatic

Mammary Gland
Pancreas: Acinus
Pituitary Gland: Pars Distalis

Salivary Glands

Necrosis
Erosion
Hyperplasia
Ultimobranchial Cyst
Hyperplasia

Morphology

Degeneration Fatty
Hyperplasia Focal
Necrosis
Inflammation Chronic
Infiltration Cellular Histiocyte
Hyperplasia
Cyst
Nephropathy
Accumulation, Hyaline Droplet
Necrosis
Clear Cell Focus
Fatty Change
Infiltration Cellular Histiocyte
Inflammation Chronic
Mixed Cell Focus
Necrosis
Necrosis
Hemorrhage
Infiltration Cellular Histiocyte
Hyperplasia Lymphoid
Infiltration Cellular Histiocyte
Hyperplasia
Cytoplasmic Alteration
Angiectasis
Cyst
Atrophy

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Spleen
Spleen: Lymphoid Follicle

Thymus
Thyroid Gland: C-Cell
Tongue

Uterus

Pigmentation
Atrophy
Hyperplasia
Atrophy
Hyperplasia
Granuloma
Inflammation Chronic
Ulcer
Angiectasis

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

DOSE	Males				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

Adrenal Cortex Accessory Adrenal Cortical Nodule

LESION RATES

OVERALL (a)	17/50 (34%)	18/50 (36%)	13/49 (27%)	17/50 (34%)	8/49 (16%)
POLY-3 RATE (b)	17/45.90	18/44.94	13/41.44	17/44.61	8/43.43
POLY-3 PERCENT (g)	37%	40.1%	31.4%	38.1%	18.4%
TERMINAL (d)	9/28 (32%)	9/30 (30%)	11/30 (37%)	15/36 (42%)	7/29 (24%)
FIRST INCIDENCE	587	337	560	629	605

STATISTICAL TESTS

LIFE TABLE	P=0.021N*	P=0.496	P=0.267N	P=0.339N	P=0.040N*
POLY 3	P=0.018N*	P=0.468	P=0.370N	P=0.545	P=0.039N*
POLY 1.5	P=0.017N*	P=0.470	P=0.336N	P=0.559	P=0.036N*
POLY 6	P=0.023N*	P=0.485	P=0.409N	P=0.536	P=0.046N*
LOGISTIC REGRESSION	P=0.016N*	P=0.490	P=0.355N	P=0.581	P=0.038N*
COCH-ARM / FISHERS	P=0.021N*	P=0.500	P=0.278N	P=0.583N	P=0.036N*
ORDER RESTRICTED	P=0.027N*	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.032N*	(e)	(e)	(e)	(e)

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

DOSE	Males				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

Adrenal Cortex Degeneration Fatty

LESION RATES

OVERALL (a)	7/50 (14%)	10/50 (20%)	9/49 (18%)	7/50 (14%)	11/49 (22%)
POLY-3 RATE (b)	7/45.24	10/42.81	9/41.92	7/44.74	11/45.36
POLY-3 PERCENT (g)	15.5%	23.4%	21.5%	15.7%	24.3%
TERMINAL (d)	4/28 (14%)	5/30 (17%)	6/30 (20%)	6/36 (17%)	5/29 (17%)
FIRST INCIDENCE	587	580	521	521	543

STATISTICAL TESTS

LIFE TABLE	P=0.295	P=0.307	P=0.392	P=0.478N	P=0.228
POLY 3	P=0.308	P=0.252	P=0.328	P=0.605	P=0.216
POLY 1.5	P=0.294	P=0.263	P=0.342	P=0.607	P=0.212
POLY 6	P=0.317	P=0.252	P=0.317	P=0.609	P=0.220
LOGISTIC REGRESSION	P=0.264	P=0.273	P=0.361	P=0.612	P=0.201
COCH-ARM / FISHERS	P=0.263	P=0.298	P=0.376	P=0.613N	P=0.204
ORDER RESTRICTED	P=0.247	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.258	(e)	(e)	(e)	(e)

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

DOSE	Males				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

Adrenal Cortex Hyperplasia Focal

LESION RATES

OVERALL (a)	2/50 (4%)	1/50 (2%)	6/49 (12%)	0/50 (0%)	3/49 (6%)
POLY-3 RATE (b)	2/44.31	1/41.68	6/41.16	0/44.10	3/43.00
POLY-3 PERCENT (g)	4.5%	2.4%	14.6%	0%	7%
TERMINAL (d)	2/28 (7%)	0/30 (0%)	5/30 (17%)	0/36 (0%)	3/29 (10%)
FIRST INCIDENCE	729 (T)	687	579	---	729 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.560	P=0.487N	P=0.149	P=0.185N	P=0.516
POLY 3	P=0.558	P=0.521N	P=0.109	P=0.238N	P=0.486
POLY 1.5	P=0.557	P=0.516N	P=0.114	P=0.239N	P=0.489
POLY 6	P=0.553	P=0.522N	P=0.105	P=0.235N	P=0.481
LOGISTIC REGRESSION	P=0.560	P=0.524N	P=0.105	(e)	P=0.516
COCH-ARM / FISHERS	P=0.547	P=0.500N	P=0.128	P=0.247N	P=0.490
ORDER RESTRICTED	P=0.392N	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.401N	(e)	(e)	(e)	(e)

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

DOSE	Males				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

Adrenal Cortex
Hypertrophy Focal

LESION RATES

OVERALL (a)	0/50 (0%)	2/50 (4%)	0/49 (0%)	4/50 (8%)	4/49 (8%)
POLY-3 RATE (b)	0/44.31	2/41.51	0/40.66	4/44.10	4/44.50
POLY-3 PERCENT (g)	0%	4.8%	0%	9.1%	9%
TERMINAL (d)	0/28 (0%)	2/30 (7%)	0/30 (0%)	4/36 (11%)	0/29 (0%)
FIRST INCIDENCE	---	729 (T)	---	729 (T)	595

STATISTICAL TESTS

LIFE TABLE	P=0.034*	P=0.253	(e)	P=0.098	P=0.059
POLY 3	P=0.037*	P=0.223	(e)	P=0.059	P=0.060
POLY 1.5	P=0.035*	P=0.227	(e)	P=0.060	P=0.060
POLY 6	P=0.039*	P=0.221	(e)	P=0.061	P=0.062
LOGISTIC REGRESSION	P=0.032*	P=0.253	(e)	P=0.098	P=0.037*
COCH-ARM / FISHERS	P=0.032*	P=0.247	(e)	P=0.059	P=0.056
ORDER RESTRICTED	P=0.027*	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.035*	(e)	(e)	(e)	(e)

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DOSE	Males				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

Adrenal Cortex Necrosis

LESION RATES

OVERALL (a)	0/50 (0%)	2/50 (4%)	1/49 (2%)	1/50 (2%)	1/49 (2%)
POLY-3 RATE (b)	0/44.31	2/42.36	1/41.34	1/44.41	1/43.32
POLY-3 PERCENT (g)	0%	4.7%	2.4%	2.3%	2.3%
TERMINAL (d)	0/28 (0%)	0/30 (0%)	0/30 (0%)	0/36 (0%)	0/29 (0%)
FIRST INCIDENCE	---	584	501	645	640

STATISTICAL TESTS

LIFE TABLE	P=0.646	P=0.217	P=0.496	P=0.481	P=0.481
POLY 3	P=0.644	P=0.227	P=0.486	P=0.500	P=0.495
POLY 1.5	P=0.644	P=0.229	P=0.489	P=0.500	P=0.496
POLY 6	P=0.643	P=0.229	P=0.484	P=0.504	P=0.494
LOGISTIC REGRESSION	P=0.558	P=0.297	P=0.682	P=0.516	P=0.477
COCH-ARM / FISHERS	P=0.641	P=0.247	P=0.495	P=0.500	P=0.495
ORDER RESTRICTED	P=0.314	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.323	(e)	(e)	(e)	(e)

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

DOSE	Males				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

Adrenal Medulla Hyperplasia

LESION RATES

OVERALL (a)	12/49 (24%)	11/50 (22%)	17/49 (35%)	9/50 (18%)	14/49 (29%)
POLY-3 RATE (b)	12/44.27	11/41.74	17/42.23	9/45.19	14/44.88
POLY-3 PERCENT (g)	27.1%	26.4%	40.3%	19.9%	31.2%
TERMINAL (d)	8/28 (29%)	9/30 (30%)	12/30 (40%)	6/36 (17%)	6/29 (21%)
FIRST INCIDENCE	587	687	503	570	605

STATISTICAL TESTS

LIFE TABLE	P=0.461	P=0.455N	P=0.210	P=0.175N	P=0.418
POLY 3	P=0.516	P=0.566N	P=0.140	P=0.290N	P=0.424
POLY 1.5	P=0.493	P=0.539N	P=0.153	P=0.294N	P=0.419
POLY 6	P=0.537	P=0.584N	P=0.132	P=0.275N	P=0.431
LOGISTIC REGRESSION	P=0.479	P=0.566N	P=0.128	P=0.299N	P=0.402
COCH-ARM / FISHERS	P=0.442	P=0.478N	P=0.188	P=0.294N	P=0.410
ORDER RESTRICTED	P=0.475N	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.478N	(e)	(e)	(e)	(e)

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

DOSE	Males				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

Bone Marrow Hyperplasia

LESION RATES

OVERALL (a)	4/50 (8%)	12/50 (24%)	7/49 (14%)	7/50 (14%)	6/49 (12%)
POLY-3 RATE (b)	4/44.57	12/44.58	7/41.16	7/44.56	6/43.75
POLY-3 PERCENT (g)	9%	26.9%	17%	15.7%	13.7%
TERMINAL (d)	1/28 (4%)	4/30 (13%)	5/30 (17%)	6/36 (17%)	1/29 (3%)
FIRST INCIDENCE	679	345	652	595	652

STATISTICAL TESTS

LIFE TABLE	P=0.348N	P=0.035*	P=0.255	P=0.380	P=0.352
POLY 3	P=0.340N	P=0.024*	P=0.215	P=0.260	P=0.357
POLY 1.5	P=0.343N	P=0.024*	P=0.226	P=0.259	P=0.358
POLY 6	P=0.341N	P=0.027*	P=0.208	P=0.267	P=0.356
LOGISTIC REGRESSION	P=0.355N	P=0.036*	P=0.207	P=0.260	P=0.353
COCH-ARM / FISHERS	P=0.358N	P=0.027*	P=0.251	P=0.262	P=0.357
ORDER RESTRICTED	P=0.191	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.201	(e)	(e)	(e)	(e)

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DOSE	Males				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

Bone Marrow Infiltration Cellular Histiocyte

LESION RATES

OVERALL (a)	0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/49 (0%)
POLY-3 RATE (b)	0/44.31	0/41.51	0/40.66	0/44.10	0/43.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%
TERMINAL (d)	0/28 (0%)	0/30 (0%)	0/30 (0%)	0/36 (0%)	0/29 (0%)
FIRST INCIDENCE	---	---	---	---	---

STATISTICAL TESTS

LIFE TABLE	(e)	(e)	(e)	(e)	(e)
POLY 3	(e)	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)	(e)
LOGISTIC REGRESSION	(e)	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)	(e)
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)

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DOSE	Males				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

Bone Marrow Myelofibrosis

LESION RATES

OVERALL (a)	2/50 (4%)	0/50 (0%)	0/49 (0%)	1/50 (2%)	2/49 (4%)
POLY-3 RATE (b)	2/44.73	0/41.51	0/40.66	1/44.10	2/43.55
POLY-3 PERCENT (g)	4.5%	0%	0%	2.3%	4.6%
TERMINAL (d)	0/28 (0%)	0/30 (0%)	0/30 (0%)	1/36 (3%)	1/29 (3%)
FIRST INCIDENCE	666	---	---	729 (T)	557

STATISTICAL TESTS

LIFE TABLE	P=0.265	P=0.260N	P=0.283N	P=0.477N	P=0.683
POLY 3	P=0.278	P=0.254N	P=0.259N	P=0.505N	P=0.685
POLY 1.5	P=0.272	P=0.249N	P=0.253N	P=0.504N	P=0.686
POLY 6	P=0.280	P=0.257N	P=0.264N	P=0.503N	P=0.680
LOGISTIC REGRESSION	P=0.246	P=0.228N	P=0.232N	P=0.500N	P=0.678
COCH-ARM / FISHERS	P=0.256	P=0.247N	P=0.253N	P=0.500N	P=0.684
ORDER RESTRICTED	P=0.295	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.305	(e)	(e)	(e)	(e)

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DOSE	Males				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

Bone: Cranium
 Osteopetrosis

LESION RATES

OVERALL (a)	1/50 (2%)	0/50 (0%)	2/49 (4%)	1/50 (2%)	0/49 (0%)
POLY-3 RATE (b)	1/44.44	0/41.51	2/40.74	1/44.10	0/43.00
POLY-3 PERCENT (g)	2.3%	0%	4.9%	2.3%	0%
TERMINAL (d)	0/28 (0%)	0/30 (0%)	1/30 (3%)	1/36 (3%)	0/29 (0%)
FIRST INCIDENCE	696	---	709	729 (T)	---

STATISTICAL TESTS

LIFE TABLE	P=0.343N	P=0.506N	P=0.494	P=0.720N	P=0.506N
POLY 3	P=0.342N	P=0.514N	P=0.470	P=0.759	P=0.507N
POLY 1.5	P=0.344N	P=0.510N	P=0.477	P=0.759	P=0.505N
POLY 6	P=0.345N	P=0.515N	P=0.464	P=0.760N	P=0.510N
LOGISTIC REGRESSION	P=0.345N	P=0.508N	P=0.466	P=0.762N	P=0.504N
COCH-ARM / FISHERS	P=0.351N	P=0.500N	P=0.492	P=0.753N	P=0.505N
ORDER RESTRICTED	P=0.355N	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.366N	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

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

DOSE	Males				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

Brain Compression

LESION RATES

OVERALL (a)	7/50 (14%)	6/50 (12%)	9/49 (18%)	3/50 (6%)	3/49 (6%)
POLY-3 RATE (b)	7/44.56	6/41.58	9/43.18	3/44.46	3/43.89
POLY-3 PERCENT (g)	15.7%	14.4%	20.8%	6.8%	6.8%
TERMINAL (d)	4/28 (14%)	5/30 (17%)	2/30 (7%)	2/36 (6%)	1/29 (3%)
FIRST INCIDENCE	687	713	521	629	587

STATISTICAL TESTS

LIFE TABLE	P=0.072N	P=0.467N	P=0.376	P=0.101N	P=0.169N
POLY 3	P=0.060N	P=0.554N	P=0.365	P=0.157N	P=0.162N
POLY 1.5	P=0.063N	P=0.538N	P=0.362	P=0.159N	P=0.164N
POLY 6	P=0.060N	P=0.562N	P=0.380	P=0.150N	P=0.162N
LOGISTIC REGRESSION	P=0.071N	P=0.539N	P=0.389	P=0.156N	P=0.167N
COCH-ARM / FISHERS	P=0.073N	P=0.500N	P=0.376	P=0.159N	P=0.167N
ORDER RESTRICTED	P=0.118N	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.106N	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

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

DOSE	Males				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

Brain Hemorrhage

LESION RATES

OVERALL (a)	1/50 (2%)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/49 (0%)
POLY-3 RATE (b)	1/44.46	0/41.51	0/40.66	0/44.10	0/43.00
POLY-3 PERCENT (g)	2.3%	0%	0%	0%	0%
TERMINAL (d)	0/28 (0%)	0/30 (0%)	0/30 (0%)	0/36 (0%)	0/29 (0%)
FIRST INCIDENCE	693	---	---	---	---

STATISTICAL TESTS

LIFE TABLE	P=0.542N	P=0.512N	P=0.524N	P=0.484N	P=0.512N
POLY 3	P=0.531N	P=0.514N	P=0.518N	P=0.502N	P=0.507N
POLY 1.5	P=0.535N	P=0.510N	P=0.513N	P=0.502N	P=0.505N
POLY 6	P=0.528N	P=0.515N	P=0.522N	P=0.500N	P=0.510N
LOGISTIC REGRESSION	P=0.542N	P=0.506N	P=0.510N	P=0.500N	P=0.504N
COCH-ARM / FISHERS	P=0.544N	P=0.500N	P=0.505N	P=0.500N	P=0.505N
ORDER RESTRICTED	P=0.096N	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.108N	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

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

DOSE	Males				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

Brain Hydrocephalus

LESION RATES

OVERALL (a)	0/50 (0%)	1/50 (2%)	0/49 (0%)	0/50 (0%)	1/49 (2%)
POLY-3 RATE (b)	0/44.31	1/42.43	0/40.66	0/44.10	1/43.48
POLY-3 PERCENT (g)	0%	2.4%	0%	0%	2.3%
TERMINAL (d)	0/28 (0%)	0/30 (0%)	0/30 (0%)	0/36 (0%)	0/29 (0%)
FIRST INCIDENCE	---	321	---	---	587

STATISTICAL TESTS

LIFE TABLE	P=0.428	P=0.500	(e)	(e)	P=0.500
POLY 3	P=0.422	P=0.491	(e)	(e)	P=0.496
POLY 1.5	P=0.420	P=0.494	(e)	(e)	P=0.496
POLY 6	P=0.422	P=0.491	(e)	(e)	P=0.495
LOGISTIC REGRESSION	P=0.152	(e)	(e)	(e)	P=0.414
COCH-ARM / FISHERS	P=0.417	P=0.500	(e)	(e)	P=0.495
ORDER RESTRICTED	P=0.220	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.230	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

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

DOSE	Males				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

Epididymis Granuloma Sperm

LESION RATES

OVERALL (a)	2/50 (4%)	0/50 (0%)	0/49 (0%)	0/50 (0%)	1/49 (2%)
POLY-3 RATE (b)	2/44.71	0/41.51	0/40.66	0/44.10	1/43.46
POLY-3 PERCENT (g)	4.5%	0%	0%	0%	2.3%
TERMINAL (d)	1/28 (4%)	0/30 (0%)	0/30 (0%)	0/36 (0%)	0/29 (0%)
FIRST INCIDENCE	617	---	---	---	595

STATISTICAL TESTS

LIFE TABLE	P=0.635	P=0.245N	P=0.245N	P=0.222N	P=0.506N
POLY 3	P=0.652	P=0.254N	P=0.259N	P=0.240N	P=0.510N
POLY 1.5	P=0.646	P=0.249N	P=0.253N	P=0.240N	P=0.508N
POLY 6	P=0.655	P=0.257N	P=0.264N	P=0.238N	P=0.514N
LOGISTIC REGRESSION	P=0.607	P=0.226N	P=0.230N	P=0.231N	P=0.530N
COCH-ARM / FISHERS	P=0.629	P=0.247N	P=0.253N	P=0.247N	P=0.508N
ORDER RESTRICTED	P=0.092N	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.103N	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

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

DOSE	Males				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

Epididymis Inflammation Chronic

LESION RATES

OVERALL (a)	1/50 (2%)	0/50 (0%)	2/49 (4%)	2/50 (4%)	2/49 (4%)
POLY-3 RATE (b)	1/44.31	0/41.51	2/40.66	2/44.10	2/43.28
POLY-3 PERCENT (g)	2.3%	0%	4.9%	4.5%	4.6%
TERMINAL (d)	1/28 (4%)	0/30 (0%)	2/30 (7%)	2/36 (6%)	1/29 (3%)
FIRST INCIDENCE	729 (T)	---	729 (T)	729 (T)	652

STATISTICAL TESTS

LIFE TABLE	P=0.302	P=0.486N	P=0.524	P=0.588	P=0.494
POLY 3	P=0.317	P=0.513N	P=0.470	P=0.498	P=0.492
POLY 1.5	P=0.313	P=0.510N	P=0.477	P=0.498	P=0.493
POLY 6	P=0.315	P=0.514N	P=0.464	P=0.503	P=0.490
LOGISTIC REGRESSION	P=0.306	(e)	P=0.524	P=0.588	P=0.490
COCH-ARM / FISHERS	P=0.299	P=0.500N	P=0.492	P=0.500	P=0.492
ORDER RESTRICTED	P=0.303	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.313	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

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

DOSE	Males				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

Eye
 Cataract

LESION RATES

OVERALL (a)	1/50 (2%)	3/50 (6%)	2/49 (4%)	1/50 (2%)	3/49 (6%)
POLY-3 RATE (b)	1/44.31	3/41.51	2/41.00	1/44.10	3/43.13
POLY-3 PERCENT (g)	2.3%	7.2%	4.9%	2.3%	7%
TERMINAL (d)	1/28 (4%)	3/30 (10%)	1/30 (3%)	1/36 (3%)	2/29 (7%)
FIRST INCIDENCE	729 (T)	729 (T)	636	729 (T)	696

STATISTICAL TESTS

LIFE TABLE	P=0.377	P=0.329	P=0.496	P=0.705N	P=0.313
POLY 3	P=0.377	P=0.282	P=0.473	P=0.760	P=0.295
POLY 1.5	P=0.377	P=0.288	P=0.479	P=0.759	P=0.297
POLY 6	P=0.375	P=0.279	P=0.470	P=0.759N	P=0.292
LOGISTIC REGRESSION	P=0.380	P=0.329	P=0.477	P=0.705N	P=0.286
COCH-ARM / FISHERS	P=0.370	P=0.309	P=0.492	P=0.753N	P=0.301
ORDER RESTRICTED	P=0.253	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.264	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

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

DOSE	Males				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

Eye
 Inflammation Chronic

LESION RATES

OVERALL (a)	0/50 (0%)	1/50 (2%)	0/49 (0%)	0/50 (0%)	3/49 (6%)
POLY-3 RATE (b)	0/44.31	1/41.68	0/40.66	0/44.10	3/43.51
POLY-3 PERCENT (g)	0%	2.4%	0%	0%	6.9%
TERMINAL (d)	0/28 (0%)	0/30 (0%)	0/30 (0%)	0/36 (0%)	0/29 (0%)
FIRST INCIDENCE	---	687	---	---	673

STATISTICAL TESTS

LIFE TABLE	P=0.020*	P=0.495	(e)	(e)	P=0.115
POLY 3	P=0.019*	P=0.488	(e)	(e)	P=0.115
POLY 1.5	P=0.019*	P=0.491	(e)	(e)	P=0.115
POLY 6	P=0.019*	P=0.487	(e)	(e)	P=0.115
LOGISTIC REGRESSION	P=0.019*	P=0.497	(e)	(e)	P=0.117
COCH-ARM / FISHERS	P=0.019*	P=0.500	(e)	(e)	P=0.117
ORDER RESTRICTED	P=0.009**	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.014*	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

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

DOSE	Males				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

Eye: Retina
 Degeneration

LESION RATES

OVERALL (a)	2/50 (4%)	3/50 (6%)	4/49 (8%)	2/50 (4%)	4/49 (8%)
POLY-3 RATE (b)	2/44.60	3/41.51	4/41.00	2/44.10	4/43.13
POLY-3 PERCENT (g)	4.5%	7.2%	9.8%	4.5%	9.3%
TERMINAL (d)	1/28 (4%)	3/30 (10%)	3/30 (10%)	2/36 (6%)	3/29 (10%)
FIRST INCIDENCE	652	729 (T)	636	729 (T)	696

STATISTICAL TESTS

LIFE TABLE	P=0.375	P=0.512	P=0.332	P=0.636N	P=0.338
POLY 3	P=0.377	P=0.467	P=0.299	P=0.690	P=0.321
POLY 1.5	P=0.377	P=0.477	P=0.308	P=0.690	P=0.325
POLY 6	P=0.372	P=0.462	P=0.292	P=0.693	P=0.314
LOGISTIC REGRESSION	P=0.379	P=0.469	P=0.303	P=0.695	P=0.319
COCH-ARM / FISHERS	P=0.366	P=0.500	P=0.329	P=0.691N	P=0.329
ORDER RESTRICTED	P=0.325	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.336	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

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

DOSE	Males				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

Harderian Gland Inflammation Chronic

LESION RATES

OVERALL (a)	2/50 (4%)	1/50 (2%)	0/49 (0%)	0/50 (0%)	0/49 (0%)
POLY-3 RATE (b)	2/44.73	1/41.91	0/40.66	0/44.10	0/43.00
POLY-3 PERCENT (g)	4.5%	2.4%	0%	0%	0%
TERMINAL (d)	0/28 (0%)	0/30 (0%)	0/30 (0%)	0/36 (0%)	0/29 (0%)
FIRST INCIDENCE	652	617	---	---	---

STATISTICAL TESTS

LIFE TABLE	P=0.210N	P=0.534N	P=0.272N	P=0.240N	P=0.256N
POLY 3	P=0.199N	P=0.523N	P=0.259N	P=0.240N	P=0.246N
POLY 1.5	P=0.202N	P=0.517N	P=0.253N	P=0.240N	P=0.244N
POLY 6	P=0.197N	P=0.525N	P=0.264N	P=0.239N	P=0.250N
LOGISTIC REGRESSION	P=0.218N	P=0.463N	P=0.231N	P=0.232N	P=0.243N
COCH-ARM / FISHERS	P=0.209N	P=0.500N	P=0.253N	P=0.247N	P=0.253N
ORDER RESTRICTED	P=0.054N	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.065N	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

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

DOSE	Males				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

Heart Cardiomyopathy

LESION RATES

OVERALL (a)	46/50 (92%)	44/50 (88%)	44/49 (90%)	45/50 (90%)	45/49 (92%)
POLY-3 RATE (b)	46/48.18	44/47.56	44/46.46	45/48.32	45/48.18
POLY-3 PERCENT (g)	95.5%	92.5%	94.7%	93.1%	93.4%
TERMINAL (d)	27/28 (96%)	28/30 (93%)	30/30 (100%)	34/36 (94%)	27/29 (93%)
FIRST INCIDENCE	482	321	272	399	543

STATISTICAL TESTS

LIFE TABLE	P=0.536N	P=0.395N	P=0.440N	P=0.081N	P=0.507N
POLY 3	P=0.512N	P=0.420N	P=0.646N	P=0.473N	P=0.500N
POLY 1.5	P=0.593N	P=0.418N	P=0.559N	P=0.481N	P=0.554N
POLY 6	P=0.449N	P=0.387N	P=0.765	P=0.478N	P=0.457N
LOGISTIC REGRESSION	P=0.536N	P=0.640	P=0.547	P=0.596N	P=0.599N
COCH-ARM / FISHERS	P=0.432	P=0.370N	P=0.487N	P=0.500N	P=0.631N
ORDER RESTRICTED	P=0.526N	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.528N	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

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

DOSE	Males				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

Heart Thrombosis

LESION RATES

OVERALL (a)	5/50 (10%)	3/50 (6%)	1/49 (2%)	2/50 (4%)	0/49 (0%)
POLY-3 RATE (b)	5/45.18	3/42.00	1/40.89	2/44.63	0/43.00
POLY-3 PERCENT (g)	11.1%	7.1%	2.5%	4.5%	0%
TERMINAL (d)	0/28 (0%)	0/30 (0%)	0/30 (0%)	1/36 (3%)	0/29 (0%)
FIRST INCIDENCE	639	667	667	570	---

STATISTICAL TESTS

LIFE TABLE	P=0.047N*	P=0.396N	P=0.145N	P=0.201N	P=0.043N*
POLY 3	P=0.040N*	P=0.397N	P=0.125N	P=0.221N	P=0.035N*
POLY 1.5	P=0.041N*	P=0.385N	P=0.119N	P=0.220N	P=0.033N*
POLY 6	P=0.041N*	P=0.403N	P=0.132N	P=0.219N	P=0.037N*
LOGISTIC REGRESSION	P=0.047N*	P=0.357N	P=0.102N	P=0.206N	P=0.035N*
COCH-ARM / FISHERS	P=0.046N*	P=0.357N	P=0.107N	P=0.218N	P=0.030N*
ORDER RESTRICTED	P=0.011N*	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.016N*	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

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

DOSE	Males				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

Intestine Large, Cecum
 Edema

LESION RATES

OVERALL (a)	0/45 (0%)	1/48 (2%)	1/46 (2%)	2/47 (4%)	2/48 (4%)
POLY-3 RATE (b)	0/40.14	1/40.13	1/39.42	2/42.78	2/42.65
POLY-3 PERCENT (g)	0%	2.5%	2.5%	4.7%	4.7%
TERMINAL (d)	0/28 (0%)	1/30 (3%)	1/30 (3%)	1/36 (3%)	1/29 (3%)
FIRST INCIDENCE	---	729 (T)	729 (T)	645	609

STATISTICAL TESTS

LIFE TABLE	P=0.214	P=0.514	P=0.514	P=0.256	P=0.236
POLY 3	P=0.237	P=0.500	P=0.496	P=0.251	P=0.250
POLY 1.5	P=0.236	P=0.503	P=0.499	P=0.249	P=0.252
POLY 6	P=0.235	P=0.498	P=0.494	P=0.257	P=0.248
LOGISTIC REGRESSION	P=0.231	P=0.514	P=0.514	P=0.247	P=0.247
COCH-ARM / FISHERS	P=0.228	P=0.516	P=0.505	P=0.258	P=0.264
ORDER RESTRICTED	P=0.171	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.186	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

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

DOSE	Males				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

Intestine Small, Duodenum Infiltration Cellular Histiocyte

LESION RATES

OVERALL (a)	0/48 (0%)	0/48 (0%)	6/47 (13%)	36/46 (78%)	47/48 (98%)
POLY-3 RATE (b)	0/42.65	0/40.15	6/40.91	36/43.62	47/48.00
POLY-3 PERCENT (g)	0%	0%	14.7%	82.5%	97.9%
TERMINAL (d)	0/28 (0%)	0/30 (0%)	3/30 (10%)	31/36 (86%)	28/29 (97%)
FIRST INCIDENCE	---	---	501	549	543

STATISTICAL TESTS

LIFE TABLE	P<0.001**	(e)	P=0.019*	P<0.001**	P<0.001**
POLY 3	P<0.001**	(e)	P=0.013*	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	(e)	P=0.013*	P<0.001**	P<0.001**
POLY 6	P<0.001**	(e)	P=0.013*	P<0.001**	P<0.001**
LOGISTIC REGRESSION	P<0.001**	(e)	P=0.019*	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	(e)	P=0.012*	P<0.001**	P<0.001**
ORDER RESTRICTED	P<0.001**	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P<0.001**	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
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 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

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

DOSE	Males				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

Intestine Small, Ileum: Lymphoid Tissue Hyperplasia

LESION RATES

OVERALL (a)	10/45 (22%)	11/46 (24%)	9/46 (20%)	7/45 (16%)	10/47 (21%)
POLY-3 RATE (b)	10/40.19	11/39.65	9/40.40	7/41.51	10/43.26
POLY-3 PERCENT (g)	24.9%	27.8%	22.3%	16.9%	23.1%
TERMINAL (d)	9/28 (32%)	7/30 (23%)	6/30 (20%)	7/36 (19%)	5/29 (17%)
FIRST INCIDENCE	715	595	560	729 (T)	595

STATISTICAL TESTS

LIFE TABLE	P=0.515N	P=0.542	P=0.460N	P=0.128N	P=0.589N
POLY 3	P=0.436N	P=0.485	P=0.495N	P=0.268N	P=0.527N
POLY 1.5	P=0.451N	P=0.489	P=0.493N	P=0.280N	P=0.538N
POLY 6	P=0.427N	P=0.502	P=0.492N	P=0.247N	P=0.514N
LOGISTIC REGRESSION	P=0.461N	P=0.459	P=0.527N	P=0.141N	P=0.561N
COCH-ARM / FISHERS	P=0.489N	P=0.523	P=0.478N	P=0.296N	P=0.556N
ORDER RESTRICTED	P=0.429N	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.444N	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

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

DOSE	Males				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

Islets, Pancreatic Hyperplasia

LESION RATES

OVERALL (a)	2/50 (4%)	0/50 (0%)	0/49 (0%)	1/50 (2%)	1/49 (2%)
POLY-3 RATE (b)	2/44.48	0/41.51	0/40.66	1/44.10	1/43.34
POLY-3 PERCENT (g)	4.5%	0%	0%	2.3%	2.3%
TERMINAL (d)	1/28 (4%)	0/30 (0%)	0/30 (0%)	1/36 (3%)	0/29 (0%)
FIRST INCIDENCE	687	---	---	729 (T)	636

STATISTICAL TESTS

LIFE TABLE	P=0.596	P=0.235N	P=0.251N	P=0.436N	P=0.513N
POLY 3	P=0.616	P=0.253N	P=0.257N	P=0.503N	P=0.509N
POLY 1.5	P=0.609	P=0.248N	P=0.252N	P=0.503N	P=0.508N
POLY 6	P=0.618	P=0.255N	P=0.262N	P=0.499N	P=0.512N
LOGISTIC REGRESSION	P=0.596	P=0.251N	P=0.257N	P=0.497N	P=0.507N
COCH-ARM / FISHERS	P=0.591	P=0.247N	P=0.253N	P=0.500N	P=0.508N
ORDER RESTRICTED	P=0.208N	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.220N	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

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

DOSE	Males				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

Kidney Cyst

LESION RATES

OVERALL (a)	0/50 (0%)	2/50 (4%)	1/49 (2%)	4/50 (8%)	1/49 (2%)
POLY-3 RATE (b)	0/44.31	2/41.51	1/40.66	4/44.10	1/43.00
POLY-3 PERCENT (g)	0%	4.8%	2.5%	9.1%	2.3%
TERMINAL (d)	0/28 (0%)	2/30 (7%)	1/30 (3%)	4/36 (11%)	1/29 (3%)
FIRST INCIDENCE	---	729 (T)	729 (T)	729 (T)	729 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.577	P=0.253	P=0.514	P=0.098	P=0.507
POLY 3	P=0.578	P=0.223	P=0.483	P=0.059	P=0.494
POLY 1.5	P=0.577	P=0.227	P=0.487	P=0.060	P=0.495
POLY 6	P=0.573	P=0.221	P=0.480	P=0.061	P=0.492
LOGISTIC REGRESSION	(e)	P=0.253	P=0.514	P=0.098	P=0.507
COCH-ARM / FISHERS	P=0.566	P=0.247	P=0.495	P=0.059	P=0.495
ORDER RESTRICTED	P=0.124	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.137	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
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 Lab: SRI

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

DOSE	Males				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

Kidney Infarct

LESION RATES

OVERALL (a)	0/50 (0%)	0/50 (0%)	0/49 (0%)	1/50 (2%)	0/49 (0%)
POLY-3 RATE (b)	0/44.31	0/41.51	0/40.66	1/44.25	0/43.00
POLY-3 PERCENT (g)	0%	0%	0%	2.3%	0%
TERMINAL (d)	0/28 (0%)	0/30 (0%)	0/30 (0%)	0/36 (0%)	0/29 (0%)
FIRST INCIDENCE	---	---	---	692	---

STATISTICAL TESTS

LIFE TABLE	P=0.789	(e)	(e)	P=0.522	(e)
POLY 3	P=0.793	(e)	(e)	P=0.500	(e)
POLY 1.5	P=0.792	(e)	(e)	P=0.499	(e)
POLY 6	P=0.790	(e)	(e)	P=0.503	(e)
LOGISTIC REGRESSION	P=0.787	(e)	(e)	P=0.500	(e)
COCH-ARM / FISHERS	P=0.786	(e)	(e)	P=0.500	(e)
ORDER RESTRICTED	P=0.372	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.382	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

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 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

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

DOSE	Males				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

Kidney Inflammation Chronic

LESION RATES

OVERALL (a)	5/50 (10%)	9/50 (18%)	8/49 (16%)	2/50 (4%)	2/49 (4%)
POLY-3 RATE (b)	5/44.31	9/41.68	8/40.94	2/44.10	2/43.00
POLY-3 PERCENT (g)	11.3%	21.6%	19.5%	4.5%	4.7%
TERMINAL (d)	5/28 (18%)	8/30 (27%)	7/30 (23%)	2/36 (6%)	2/29 (7%)
FIRST INCIDENCE	729 (T)	687	652	729 (T)	729 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.020N*	P=0.222	P=0.303	P=0.125N	P=0.198N
POLY 3	P=0.022N*	P=0.157	P=0.224	P=0.217N	P=0.228N
POLY 1.5	P=0.023N*	P=0.167	P=0.236	P=0.219N	P=0.226N
POLY 6	P=0.022N*	P=0.154	P=0.216	P=0.211N	P=0.232N
LOGISTIC REGRESSION	P=0.022N*	P=0.172	P=0.213	P=0.125N	P=0.198N
COCH-ARM / FISHERS	P=0.026N*	P=0.194	P=0.264	P=0.218N	P=0.226N
ORDER RESTRICTED	P=0.046N*	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.038N*	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

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 Lab: SRI

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

DOSE	Males				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

Kidney Nephropathy

LESION RATES

OVERALL (a)	45/50 (90%)	43/50 (86%)	45/49 (92%)	43/50 (86%)	41/49 (84%)
POLY-3 RATE (b)	45/48.45	43/45.69	45/46.12	43/47.94	41/47.07
POLY-3 PERCENT (g)	92.9%	94.1%	97.6%	89.7%	87.1%
TERMINAL (d)	27/28 (96%)	29/30 (97%)	30/30 (100%)	33/36 (92%)	27/29 (93%)
FIRST INCIDENCE	482	454	501	399	587

STATISTICAL TESTS

LIFE TABLE	P=0.248N	P=0.382N	P=0.558	P=0.059N	P=0.309N
POLY 3	P=0.053N	P=0.578	P=0.252	P=0.417N	P=0.258N
POLY 1.5	P=0.080N	P=0.647N	P=0.316	P=0.394N	P=0.251N
POLY 6	P=0.054N	P=0.513	P=0.226	P=0.464N	P=0.296N
LOGISTIC REGRESSION	P=0.047N*	P=0.510	P=0.184	P=0.437N	P=0.241N
COCH-ARM / FISHERS	P=0.207N	P=0.380N	P=0.513	P=0.380N	P=0.264N
ORDER RESTRICTED	P=0.087N	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.093N	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

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 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

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

DOSE	Males				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

Kidney: Renal Tubule
 Accumulation, Hyaline Droplet

LESION RATES

OVERALL (a)	0/50 (0%)	0/50 (0%)	2/49 (4%)	0/50 (0%)	0/49 (0%)
POLY-3 RATE (b)	0/44.31	0/41.51	2/40.98	0/44.10	0/43.00
POLY-3 PERCENT (g)	0%	0%	4.9%	0%	0%
TERMINAL (d)	0/28 (0%)	0/30 (0%)	1/30 (3%)	0/36 (0%)	0/29 (0%)
FIRST INCIDENCE	---	---	640	---	---

STATISTICAL TESTS

LIFE TABLE	P=0.474N	(e)	P=0.228	(e)	(e)
POLY 3	P=0.479N	(e)	P=0.220	(e)	(e)
POLY 1.5	P=0.478N	(e)	P=0.224	(e)	(e)
POLY 6	P=0.480N	(e)	P=0.218	(e)	(e)
LOGISTIC REGRESSION	P=0.478N	(e)	P=0.230	(e)	(e)
COCH-ARM / FISHERS	P=0.478N	(e)	P=0.242	(e)	(e)
ORDER RESTRICTED	P=0.378N	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.388N	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

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

DOSE	Males				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

Kidney: Renal Tubule
 Dilatation

LESION RATES

OVERALL (a)	0/50 (0%)	0/50 (0%)	3/49 (6%)	0/50 (0%)	1/49 (2%)
POLY-3 RATE (b)	0/44.31	0/41.51	3/41.90	0/44.10	1/43.32
POLY-3 PERCENT (g)	0%	0%	7.2%	0%	2.3%
TERMINAL (d)	0/28 (0%)	0/30 (0%)	0/30 (0%)	0/36 (0%)	0/29 (0%)
FIRST INCIDENCE	---	---	501	---	640

STATISTICAL TESTS

LIFE TABLE	P=0.596	(e)	P=0.104	(e)	P=0.481
POLY 3	P=0.601	(e)	P=0.109	(e)	P=0.495
POLY 1.5	P=0.599	(e)	P=0.110	(e)	P=0.496
POLY 6	P=0.601	(e)	P=0.109	(e)	P=0.494
LOGISTIC REGRESSION	P=0.526	(e)	P=0.163	(e)	P=0.477
COCH-ARM / FISHERS	P=0.591	(e)	P=0.117	(e)	P=0.495
ORDER RESTRICTED	P=0.235	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.246	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Sodium dichromate dihydrate (VI)
CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
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First Dose M/F: 10/02/02 / 10/02/02
Lab: SRI

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

DOSE	Males				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

Kidney: Renal Tubule
Hyperplasia

LESION RATES

OVERALL (a)	0/50 (0%)	0/50 (0%)	0/49 (0%)	2/50 (4%)	0/49 (0%)
POLY-3 RATE (b)	0/44.31	0/41.51	0/40.66	2/44.10	0/43.00
POLY-3 PERCENT (g)	0%	0%	0%	4.5%	0%
TERMINAL (d)	0/28 (0%)	0/30 (0%)	0/30 (0%)	2/36 (6%)	0/29 (0%)
FIRST INCIDENCE	---	---	---	729 (T)	---

STATISTICAL TESTS

LIFE TABLE	P=0.693	(e)	(e)	P=0.295	(e)
POLY 3	P=0.699	(e)	(e)	P=0.236	(e)
POLY 1.5	P=0.697	(e)	(e)	P=0.236	(e)
POLY 6	P=0.695	(e)	(e)	P=0.239	(e)
LOGISTIC REGRESSION	(e)	(e)	(e)	P=0.295	(e)
COCH-ARM / FISHERS	P=0.685	(e)	(e)	P=0.247	(e)
ORDER RESTRICTED	P=0.218	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.231	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

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

DOSE	Males				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

Kidney: Renal Tubule
 Necrosis

LESION RATES

OVERALL (a)	2/50 (4%)	1/50 (2%)	1/49 (2%)	1/50 (2%)	1/49 (2%)
POLY-3 RATE (b)	2/45.50	1/42.06	1/41.01	1/44.63	1/43.42
POLY-3 PERCENT (g)	4.4%	2.4%	2.4%	2.2%	2.3%
TERMINAL (d)	0/28 (0%)	0/30 (0%)	0/30 (0%)	0/36 (0%)	0/29 (0%)
FIRST INCIDENCE	484	559	631	570	609

STATISTICAL TESTS

LIFE TABLE	P=0.506N	P=0.528N	P=0.531N	P=0.510N	P=0.508N
POLY 3	P=0.510N	P=0.527N	P=0.536N	P=0.507N	P=0.516N
POLY 1.5	P=0.512N	P=0.520N	P=0.527N	P=0.505N	P=0.512N
POLY 6	P=0.511N	P=0.531N	P=0.544N	P=0.504N	P=0.523N
LOGISTIC REGRESSION	P=0.654	P=0.264N	P=0.331N	P=0.387N	P=0.707N
COCH-ARM / FISHERS	P=0.523N	P=0.500N	P=0.508N	P=0.500N	P=0.508N
ORDER RESTRICTED	P=0.469N	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.477N	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

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

DOSE	Males				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

Kidney: Renal Tubule
 Pigmentation

LESION RATES

OVERALL (a)	5/50 (10%)	1/50 (2%)	1/49 (2%)	0/50 (0%)	3/49 (6%)
POLY-3 RATE (b)	5/45.57	1/41.75	1/41.01	0/44.10	3/43.63
POLY-3 PERCENT (g)	11%	2.4%	2.4%	0%	6.9%
TERMINAL (d)	1/28 (4%)	0/30 (0%)	0/30 (0%)	0/36 (0%)	0/29 (0%)
FIRST INCIDENCE	520	667	631	---	617

STATISTICAL TESTS

LIFE TABLE	P=0.548	P=0.127N	P=0.137N	P=0.033N*	P=0.387N
POLY 3	P=0.572	P=0.122N	P=0.127N	P=0.033N*	P=0.380N
POLY 1.5	P=0.564	P=0.116N	P=0.120N	P=0.032N*	P=0.374N
POLY 6	P=0.576	P=0.127N	P=0.134N	P=0.033N*	P=0.390N
LOGISTIC REGRESSION	P=0.509	P=0.078N	P=0.076N	P=0.027N*	P=0.377N
COCH-ARM / FISHERS	P=0.541	P=0.102N	P=0.107N	P=0.028N*	P=0.369N
ORDER RESTRICTED	P=0.048N*	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.059N	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

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

DOSE	Males				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

Kidney: Transitional Epithelium Hyperplasia

LESION RATES

OVERALL (a)	0/50 (0%)	0/50 (0%)	1/49 (2%)	0/50 (0%)	0/49 (0%)
POLY-3 RATE (b)	0/44.31	0/41.51	1/40.94	0/44.10	0/43.00
POLY-3 PERCENT (g)	0%	0%	2.4%	0%	0%
TERMINAL (d)	0/28 (0%)	0/30 (0%)	0/30 (0%)	0/36 (0%)	0/29 (0%)
FIRST INCIDENCE	---	---	652	---	---

STATISTICAL TESTS

LIFE TABLE	P=0.660N	(e)	P=0.460	(e)	(e)
POLY 3	P=0.661N	(e)	P=0.484	(e)	(e)
POLY 1.5	P=0.661N	(e)	P=0.488	(e)	(e)
POLY 6	P=0.662N	(e)	P=0.482	(e)	(e)
LOGISTIC REGRESSION	P=0.677N	(e)	P=0.520	(e)	(e)
COCH-ARM / FISHERS	P=0.660N	(e)	P=0.495	(e)	(e)
ORDER RESTRICTED	P=0.507N	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.511N	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

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

DOSE	Males				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

Liver
 Angiectasis

LESION RATES

OVERALL (a)	1/50 (2%)	1/50 (2%)	0/49 (0%)	0/50 (0%)	0/49 (0%)
POLY-3 RATE (b)	1/44.31	1/41.51	0/40.66	0/44.10	0/43.00
POLY-3 PERCENT (g)	2.3%	2.4%	0%	0%	0%
TERMINAL (d)	1/28 (4%)	1/30 (3%)	0/30 (0%)	0/36 (0%)	0/29 (0%)
FIRST INCIDENCE	729 (T)	729 (T)	---	---	---

STATISTICAL TESTS

LIFE TABLE	P=0.327N	P=0.747N	P=0.486N	P=0.450N	P=0.493N
POLY 3	P=0.330N	P=0.746	P=0.517N	P=0.501N	P=0.506N
POLY 1.5	P=0.331N	P=0.750	P=0.513N	P=0.501N	P=0.505N
POLY 6	P=0.328N	P=0.745	P=0.520N	P=0.498N	P=0.508N
LOGISTIC REGRESSION	P=0.327N	P=0.747N	(e)	(e)	(e)
COCH-ARM / FISHERS	P=0.334N	P=0.753N	P=0.505N	P=0.500N	P=0.505N
ORDER RESTRICTED	P=0.216N	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.229N	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Sodium dichromate dihydrate (VI)
CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
Time Report Requested: 10:38:19
First Dose M/F: 10/02/02 / 10/02/02
Lab: SRI

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

DOSE	Males				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

Liver
Basophilic Focus

LESION RATES

OVERALL (a)	22/50 (44%)	28/50 (56%)	29/49 (59%)	32/50 (64%)	30/49 (61%)
POLY-3 RATE (b)	22/44.92	28/43.33	29/42.77	32/44.64	30/44.99
POLY-3 PERCENT (g)	49%	64.6%	67.8%	71.7%	66.7%
TERMINAL (d)	19/28 (68%)	23/30 (77%)	23/30 (77%)	30/36 (83%)	24/29 (83%)
FIRST INCIDENCE	652	477	521	595	595

STATISTICAL TESTS

LIFE TABLE	P=0.146	P=0.191	P=0.129	P=0.243	P=0.069
POLY 3	P=0.182	P=0.093	P=0.049*	P=0.017*	P=0.060
POLY 1.5	P=0.172	P=0.108	P=0.060	P=0.022*	P=0.062
POLY 6	P=0.178	P=0.089	P=0.043*	P=0.015*	P=0.055
LOGISTIC REGRESSION	P=0.165	P=0.066	P=0.027*	P=0.026*	P=0.034*
COCH-ARM / FISHERS	P=0.141	P=0.159	P=0.095	P=0.035*	P=0.065
ORDER RESTRICTED	P=0.023*	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.030*	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

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

DOSE	Males				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

Liver
 Clear Cell Focus

LESION RATES

OVERALL (a)	23/50 (46%)	19/50 (38%)	16/49 (33%)	29/50 (58%)	25/49 (51%)
POLY-3 RATE (b)	23/44.66	19/41.51	16/41.12	29/44.79	25/43.74
POLY-3 PERCENT (g)	51.5%	45.8%	38.9%	64.8%	57.2%
TERMINAL (d)	21/28 (75%)	19/30 (63%)	15/30 (50%)	26/36 (72%)	23/29 (79%)
FIRST INCIDENCE	652	729 (T)	595	595	595

STATISTICAL TESTS

LIFE TABLE	P=0.064	P=0.132N	P=0.043N*	P=0.594N	P=0.458
POLY 3	P=0.113	P=0.373N	P=0.164N	P=0.135	P=0.370
POLY 1.5	P=0.109	P=0.341N	P=0.152N	P=0.140	P=0.380
POLY 6	P=0.105	P=0.390N	P=0.169N	P=0.146	P=0.349
LOGISTIC REGRESSION	P=0.070	P=0.247N	P=0.176N	P=0.173	P=0.287
COCH-ARM / FISHERS	P=0.090	P=0.272N	P=0.124N	P=0.158	P=0.383
ORDER RESTRICTED	P=0.100	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.111	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

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

DOSE	Males				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

Liver
 Degeneration Cystic

LESION RATES

OVERALL (a)	7/50 (14%)	3/50 (6%)	2/49 (4%)	0/50 (0%)	2/49 (4%)
POLY-3 RATE (b)	7/44.76	3/41.51	2/40.89	0/44.10	2/43.08
POLY-3 PERCENT (g)	15.6%	7.2%	4.9%	0%	4.6%
TERMINAL (d)	3/28 (11%)	3/30 (10%)	1/30 (3%)	0/36 (0%)	1/29 (3%)
FIRST INCIDENCE	666	729 (T)	667	---	710

STATISTICAL TESTS

LIFE TABLE	P=0.134N	P=0.153N	P=0.096N	P=0.006N**	P=0.090N
POLY 3	P=0.122N	P=0.188N	P=0.101N	P=0.008N**	P=0.087N
POLY 1.5	P=0.126N	P=0.179N	P=0.096N	P=0.008N**	P=0.085N
POLY 6	P=0.120N	P=0.194N	P=0.106N	P=0.007N**	P=0.091N
LOGISTIC REGRESSION	P=0.132N	P=0.184N	P=0.104N	P=0.009N**	P=0.090N
COCH-ARM / FISHERS	P=0.140N	P=0.159N	P=0.085N	P=0.006N**	P=0.085N
ORDER RESTRICTED	P=0.006N**	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.009N**	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Sodium dichromate dihydrate (VI)
CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
Time Report Requested: 10:38:19
First Dose M/F: 10/02/02 / 10/02/02
Lab: SRI

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

DOSE	Males				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

Liver
Eosinophilic Focus

LESION RATES

OVERALL (a)	10/50 (20%)	5/50 (10%)	4/49 (8%)	8/50 (16%)	9/49 (18%)
POLY-3 RATE (b)	10/44.42	5/41.97	4/40.66	8/44.71	9/43.58
POLY-3 PERCENT (g)	22.5%	11.9%	9.8%	17.9%	20.7%
TERMINAL (d)	8/28 (29%)	4/30 (13%)	4/30 (13%)	6/36 (17%)	7/29 (24%)
FIRST INCIDENCE	715	595	729 (T)	595	605

STATISTICAL TESTS

LIFE TABLE	P=0.262	P=0.112N	P=0.058N	P=0.223N	P=0.487N
POLY 3	P=0.287	P=0.154N	P=0.098N	P=0.390N	P=0.519N
POLY 1.5	P=0.278	P=0.149N	P=0.092N	P=0.397N	P=0.517N
POLY 6	P=0.288	P=0.152N	P=0.102N	P=0.370N	P=0.523N
LOGISTIC REGRESSION	P=0.266	P=0.159N	P=0.079N	P=0.382N	P=0.551N
COCH-ARM / FISHERS	P=0.249	P=0.131N	P=0.080N	P=0.398N	P=0.520N
ORDER RESTRICTED	P=0.303N	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.312N	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

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

DOSE	Males				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

Liver
 Fatty Change

LESION RATES

OVERALL (a)	12/50 (24%)	10/50 (20%)	10/49 (20%)	8/50 (16%)	12/49 (24%)
POLY-3 RATE (b)	12/46.55	10/45.78	10/43.49	8/46.12	12/46.63
POLY-3 PERCENT (g)	25.8%	21.8%	23%	17.3%	25.7%
TERMINAL (d)	2/28 (7%)	1/30 (3%)	4/30 (13%)	3/36 (8%)	1/29 (3%)
FIRST INCIDENCE	520	321	310	549	543

STATISTICAL TESTS

LIFE TABLE	P=0.449	P=0.449N	P=0.475N	P=0.184N	P=0.546
POLY 3	P=0.460	P=0.421N	P=0.475N	P=0.231N	P=0.591N
POLY 1.5	P=0.444	P=0.417N	P=0.458N	P=0.231N	P=0.586
POLY 6	P=0.475	P=0.422N	P=0.495N	P=0.228N	P=0.583N
LOGISTIC REGRESSION	P=0.275	P=0.219N	P=0.321N	P=0.199N	P=0.597N
COCH-ARM / FISHERS	P=0.413	P=0.405N	P=0.426N	P=0.227N	P=0.570
ORDER RESTRICTED	P=0.539N	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.540N	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Sodium dichromate dihydrate (VI)
CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
Time Report Requested: 10:38:19
First Dose M/F: 10/02/02 / 10/02/02
Lab: SRI

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

DOSE	Males				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

Liver
Hematopoietic Cell Proliferation

LESION RATES

OVERALL (a)	1/50 (2%)	0/50 (0%)	3/49 (6%)	0/50 (0%)	0/49 (0%)
POLY-3 RATE (b)	1/44.44	0/41.51	3/40.94	0/44.10	0/43.00
POLY-3 PERCENT (g)	2.3%	0%	7.3%	0%	0%
TERMINAL (d)	0/28 (0%)	0/30 (0%)	2/30 (7%)	0/36 (0%)	0/29 (0%)
FIRST INCIDENCE	696	---	652	---	---

STATISTICAL TESTS

LIFE TABLE	P=0.242N	P=0.506N	P=0.294	P=0.478N	P=0.506N
POLY 3	P=0.240N	P=0.514N	P=0.276	P=0.502N	P=0.507N
POLY 1.5	P=0.241N	P=0.510N	P=0.283	P=0.501N	P=0.505N
POLY 6	P=0.241N	P=0.515N	P=0.271	P=0.499N	P=0.510N
LOGISTIC REGRESSION	P=0.242N	P=0.508N	P=0.278	P=0.500N	P=0.504N
COCH-ARM / FISHERS	P=0.247N	P=0.500N	P=0.301	P=0.500N	P=0.505N
ORDER RESTRICTED	P=0.228N	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.241N	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

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

DOSE	Males				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

Liver
 Hemorrhage

LESION RATES

OVERALL (a)	0/50 (0%)	2/50 (4%)	1/49 (2%)	4/50 (8%)	3/49 (6%)
POLY-3 RATE (b)	0/44.31	2/41.97	1/40.66	4/44.10	3/43.00
POLY-3 PERCENT (g)	0%	4.8%	2.5%	9.1%	7%
TERMINAL (d)	0/28 (0%)	1/30 (3%)	1/30 (3%)	4/36 (11%)	3/29 (10%)
FIRST INCIDENCE	---	595	729 (T)	729 (T)	729 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.141	P=0.237	P=0.514	P=0.098	P=0.126
POLY 3	P=0.144	P=0.225	P=0.483	P=0.059	P=0.113
POLY 1.5	P=0.144	P=0.228	P=0.487	P=0.060	P=0.114
POLY 6	P=0.140	P=0.225	P=0.480	P=0.061	P=0.110
LOGISTIC REGRESSION	P=0.145	P=0.249	P=0.514	P=0.098	P=0.126
COCH-ARM / FISHERS	P=0.139	P=0.247	P=0.495	P=0.059	P=0.117
ORDER RESTRICTED	P=0.054	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.064	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

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

DOSE	Males				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

Liver
 Hepatodiaphragmatic Nodule

LESION RATES

OVERALL (a)	5/50 (10%)	6/50 (12%)	6/49 (12%)	7/50 (14%)	10/49 (20%)
POLY-3 RATE (b)	5/44.64	6/42.27	6/41.72	7/44.94	10/44.28
POLY-3 PERCENT (g)	11.2%	14.2%	14.4%	15.6%	22.6%
TERMINAL (d)	2/28 (7%)	5/30 (17%)	3/30 (10%)	6/36 (17%)	5/29 (17%)
FIRST INCIDENCE	679	454	579	399	605

STATISTICAL TESTS

LIFE TABLE	P=0.086	P=0.520	P=0.476	P=0.518	P=0.138
POLY 3	P=0.088	P=0.462	P=0.452	P=0.383	P=0.123
POLY 1.5	P=0.084	P=0.472	P=0.461	P=0.381	P=0.123
POLY 6	P=0.089	P=0.456	P=0.449	P=0.390	P=0.123
LOGISTIC REGRESSION	P=0.078	P=0.472	P=0.463	P=0.379	P=0.121
COCH-ARM / FISHERS	P=0.075	P=0.500	P=0.486	P=0.380	P=0.122
ORDER RESTRICTED	P=0.109	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.118	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

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

DOSE	Males				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

Liver
 Infiltration Cellular Histiocyte

LESION RATES

OVERALL (a)	1/50 (2%)	0/50 (0%)	2/49 (4%)	5/50 (10%)	34/49 (69%)
POLY-3 RATE (b)	1/44.31	0/41.51	2/41.11	5/44.14	34/48.14
POLY-3 PERCENT (g)	2.3%	0%	4.9%	11.3%	70.6%
TERMINAL (d)	1/28 (4%)	0/30 (0%)	0/30 (0%)	4/36 (11%)	17/29 (59%)
FIRST INCIDENCE	729 (T)	---	652	721	543

STATISTICAL TESTS

LIFE TABLE	P<0.001**	P=0.486N	P=0.468	P=0.169	P<0.001**
POLY 3	P<0.001**	P=0.513N	P=0.474	P=0.100	P<0.001**
POLY 1.5	P<0.001**	P=0.510N	P=0.479	P=0.100	P<0.001**
POLY 6	P<0.001**	P=0.514N	P=0.472	P=0.102	P<0.001**
LOGISTIC REGRESSION	P<0.001**	(e)	P=0.487	P=0.138	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.500N	P=0.492	P=0.102	P<0.001**
ORDER RESTRICTED	P<0.001**	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P<0.001**	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

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

DOSE	Males				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

Liver
 Inflammation Chronic

LESION RATES

OVERALL (a)	19/50 (38%)	25/50 (50%)	21/49 (43%)	28/50 (56%)	26/49 (53%)
POLY-3 RATE (b)	19/44.56	25/44.92	21/41.09	28/44.69	26/44.96
POLY-3 PERCENT (g)	42.6%	55.7%	51.1%	62.7%	57.8%
TERMINAL (d)	17/28 (61%)	17/30 (57%)	19/30 (63%)	25/36 (69%)	21/29 (72%)
FIRST INCIDENCE	679	321	631	629	595

STATISTICAL TESTS

LIFE TABLE	P=0.143	P=0.200	P=0.502	P=0.278	P=0.106
POLY 3	P=0.172	P=0.148	P=0.280	P=0.039*	P=0.102
POLY 1.5	P=0.161	P=0.143	P=0.314	P=0.043*	P=0.100
POLY 6	P=0.175	P=0.172	P=0.252	P=0.041*	P=0.105
LOGISTIC REGRESSION	P=0.163	P=0.101	P=0.242	P=0.059	P=0.063
COCH-ARM / FISHERS	P=0.133	P=0.157	P=0.387	P=0.054	P=0.096
ORDER RESTRICTED	P=0.062	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.072	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Sodium dichromate dihydrate (VI)
CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
Time Report Requested: 10:38:19
First Dose M/F: 10/02/02 / 10/02/02
Lab: SRI

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

DOSE	Males				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

Liver
Mixed Cell Focus

LESION RATES

OVERALL (a)	11/50 (22%)	7/50 (14%)	5/49 (10%)	13/50 (26%)	10/49 (20%)
POLY-3 RATE (b)	11/44.66	7/41.51	5/40.87	13/44.46	10/43.79
POLY-3 PERCENT (g)	24.6%	16.9%	12.2%	29.2%	22.8%
TERMINAL (d)	9/28 (32%)	7/30 (23%)	4/30 (13%)	12/36 (33%)	7/29 (24%)
FIRST INCIDENCE	652	729 (T)	673	629	636

STATISTICAL TESTS

LIFE TABLE	P=0.293	P=0.177N	P=0.076N	P=0.539N	P=0.495N
POLY 3	P=0.336	P=0.267N	P=0.115N	P=0.401	P=0.521N
POLY 1.5	P=0.321	P=0.252N	P=0.108N	P=0.400	P=0.519N
POLY 6	P=0.343	P=0.274N	P=0.120N	P=0.414	P=0.524N
LOGISTIC REGRESSION	P=0.297	P=0.239N	P=0.121N	P=0.438	P=0.547N
COCH-ARM / FISHERS	P=0.283	P=0.218N	P=0.093N	P=0.408	P=0.521N
ORDER RESTRICTED	P=0.303	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.311	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

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

DOSE	Males				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L
Liver Necrosis					
LESION RATES					
OVERALL (a)	3/50 (6%)	3/50 (6%)	0/49 (0%)	2/50 (4%)	1/49 (2%)
POLY-3 RATE (b)	3/45.45	3/42.13	0/40.66	2/44.41	1/43.28
POLY-3 PERCENT (g)	6.6%	7.1%	0%	4.5%	2.3%
TERMINAL (d)	0/28 (0%)	1/30 (3%)	0/30 (0%)	1/36 (3%)	0/29 (0%)
FIRST INCIDENCE	484	559	---	645	652
.....					
STATISTICAL TESTS					
LIFE TABLE	P=0.307N	P=0.645	P=0.133N	P=0.476N	P=0.330N
POLY 3	P=0.294N	P=0.627	P=0.140N	P=0.511N	P=0.323N
POLY 1.5	P=0.297N	P=0.637	P=0.134N	P=0.508N	P=0.318N
POLY 6	P=0.294N	P=0.623	P=0.145N	P=0.508N	P=0.330N
LOGISTIC REGRESSION	P=0.341N	P=0.584N	P=0.065N	P=0.460N	P=0.359N
COCH-ARM / FISHERS	P=0.308N	P=0.661N	P=0.125N	P=0.500N	P=0.316N
ORDER RESTRICTED	P=0.238N	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.254N	(e)	(e)	(e)	(e)
.....					

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

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

DOSE	Males				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

**Liver
Regeneration**

LESION RATES

OVERALL (a)	2/50 (4%)	2/50 (4%)	0/49 (0%)	0/50 (0%)	0/49 (0%)
POLY-3 RATE (b)	2/44.31	2/41.51	0/40.66	0/44.10	0/43.00
POLY-3 PERCENT (g)	4.5%	4.8%	0%	0%	0%
TERMINAL (d)	2/28 (7%)	2/30 (7%)	0/30 (0%)	0/36 (0%)	0/29 (0%)
FIRST INCIDENCE	729 (T)	729 (T)	---	---	---

STATISTICAL TESTS

LIFE TABLE	P=0.135N	P=0.671N	P=0.223N	P=0.185N	P=0.230N
POLY 3	P=0.138N	P=0.671	P=0.257N	P=0.238N	P=0.244N
POLY 1.5	P=0.139N	P=0.677	P=0.252N	P=0.239N	P=0.243N
POLY 6	P=0.137N	P=0.669	P=0.260N	P=0.235N	P=0.246N
LOGISTIC REGRESSION	P=0.135N	P=0.671N	(e)	(e)	(e)
COCH-ARM / FISHERS	P=0.144N	P=0.691N	P=0.253N	P=0.247N	P=0.253N
ORDER RESTRICTED	P=0.081N	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.093N	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

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

DOSE	Males				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

Liver: Bile Duct
 Hyperplasia

LESION RATES

OVERALL (a)	47/50 (94%)	38/50 (76%)	33/49 (67%)	22/50 (44%)	15/49 (31%)
POLY-3 RATE (b)	47/49.74	38/46.25	33/44.87	22/47.54	15/44.69
POLY-3 PERCENT (g)	94.5%	82.2%	73.6%	46.3%	33.6%
TERMINAL (d)	28/28 (100%)	23/30 (77%)	22/30 (73%)	14/36 (39%)	8/29 (28%)
FIRST INCIDENCE	482	477	521	521	605

STATISTICAL TESTS

LIFE TABLE	P<0.001N**	P=0.090N	P=0.018N*	P<0.001N**	P<0.001N**
POLY 3	P<0.001N**	P=0.050N*	P=0.003N**	P<0.001N**	P<0.001N**
POLY 1.5	P<0.001N**	P=0.031N*	P=0.002N**	P<0.001N**	P<0.001N**
POLY 6	P<0.001N**	P=0.060N	P=0.005N**	P<0.001N**	P<0.001N**
LOGISTIC REGRESSION	P<0.001N**	P=0.029N*	P=0.002N**	P<0.001N**	P<0.001N**
COCH-ARM / FISHERS	P<0.001N**	P=0.011N*	P<0.001N**	P<0.001N**	P<0.001N**
ORDER RESTRICTED	P<0.001N**	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P<0.001N**	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

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

DOSE	Males				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

Liver: Centrilobular
 Necrosis

LESION RATES

OVERALL (a)	8/50 (16%)	1/50 (2%)	3/49 (6%)	2/50 (4%)	5/49 (10%)
POLY-3 RATE (b)	8/46.34	1/42.00	3/41.57	2/44.10	5/44.74
POLY-3 PERCENT (g)	17.3%	2.4%	7.2%	4.5%	11.2%
TERMINAL (d)	0/28 (0%)	0/30 (0%)	1/30 (3%)	2/36 (6%)	0/29 (0%)
FIRST INCIDENCE	520	584	501	729 (T)	543

STATISTICAL TESTS

LIFE TABLE	P=0.482	P=0.031N*	P=0.158N	P=0.049N*	P=0.325N
POLY 3	P=0.514	P=0.023N*	P=0.135N	P=0.053N	P=0.298N
POLY 1.5	P=0.500	P=0.021N*	P=0.125N	P=0.050N*	P=0.293N
POLY 6	P=0.522	P=0.026N*	P=0.149N	P=0.057N	P=0.310N
LOGISTIC REGRESSION	P=0.396	P=0.009N**	P=0.066N	P=0.042N*	P=0.286N
COCH-ARM / FISHERS	P=0.464	P=0.015N*	P=0.106N	P=0.046N*	P=0.290N
ORDER RESTRICTED	P=0.043N*	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.052N	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
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 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

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

DOSE	Males				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

Liver: Kupffer Cell
 Pigmentation

LESION RATES

OVERALL (a)	2/50 (4%)	0/50 (0%)	1/49 (2%)	0/50 (0%)	0/49 (0%)
POLY-3 RATE (b)	2/44.61	0/41.51	1/41.21	0/44.10	0/43.00
POLY-3 PERCENT (g)	4.5%	0%	2.4%	0%	0%
TERMINAL (d)	0/28 (0%)	0/30 (0%)	0/30 (0%)	0/36 (0%)	0/29 (0%)
FIRST INCIDENCE	689	---	560	---	---

STATISTICAL TESTS

LIFE TABLE	P=0.243N	P=0.256N	P=0.539N	P=0.222N	P=0.253N
POLY 3	P=0.236N	P=0.253N	P=0.528N	P=0.240N	P=0.245N
POLY 1.5	P=0.239N	P=0.249N	P=0.521N	P=0.239N	P=0.243N
POLY 6	P=0.235N	P=0.256N	P=0.533N	P=0.238N	P=0.249N
LOGISTIC REGRESSION	P=0.263N	P=0.242N	P=0.459N	P=0.237N	P=0.242N
COCH-ARM / FISHERS	P=0.249N	P=0.247N	P=0.508N	P=0.247N	P=0.253N
ORDER RESTRICTED	P=0.054N	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.064N	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
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 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

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

DOSE	Males				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L
Lung Hemorrhage					
LESION RATES					
OVERALL (a)	10/50 (20%)	7/50 (14%)	7/49 (14%)	6/50 (12%)	8/49 (16%)
POLY-3 RATE (b)	10/45.49	7/41.58	7/41.65	6/45.52	8/43.36
POLY-3 PERCENT (g)	22%	16.8%	16.8%	13.2%	18.5%
TERMINAL (d)	6/28 (21%)	6/30 (20%)	5/30 (17%)	3/36 (8%)	5/29 (17%)
FIRST INCIDENCE	482	713	521	521	689
STATISTICAL TESTS					
LIFE TABLE	P=0.517N	P=0.278N	P=0.300N	P=0.142N	P=0.401N
POLY 3	P=0.509N	P=0.369N	P=0.368N	P=0.204N	P=0.441N
POLY 1.5	P=0.513N	P=0.347N	P=0.351N	P=0.207N	P=0.429N
POLY 6	P=0.514N	P=0.386N	P=0.382N	P=0.192N	P=0.458N
LOGISTIC REGRESSION	P=0.516N	P=0.347N	P=0.327N	P=0.196N	P=0.422N
COCH-ARM / FISHERS	P=0.537N	P=0.298N	P=0.314N	P=0.207N	P=0.416N
ORDER RESTRICTED	P=0.377N	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.391N	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

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

DOSE	Males				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

Lung Infiltration Cellular Histiocyte

LESION RATES

OVERALL (a)	28/50 (56%)	27/50 (54%)	32/49 (65%)	29/50 (58%)	33/49 (67%)
POLY-3 RATE (b)	28/47.24	27/45.30	32/44.02	29/46.65	33/46.36
POLY-3 PERCENT (g)	59.3%	59.6%	72.7%	62.2%	71.2%
TERMINAL (d)	17/28 (61%)	17/30 (57%)	23/30 (77%)	23/36 (64%)	21/29 (72%)
FIRST INCIDENCE	482	337	503	520	543

STATISTICAL TESTS

LIFE TABLE	P=0.218	P=0.471N	P=0.313	P=0.290N	P=0.256
POLY 3	P=0.169	P=0.572	P=0.121	P=0.469	P=0.153
POLY 1.5	P=0.164	P=0.576N	P=0.148	P=0.475	P=0.160
POLY 6	P=0.167	P=0.581	P=0.102	P=0.483	P=0.147
LOGISTIC REGRESSION	P=0.179	P=0.556N	P=0.147	P=0.489	P=0.166
COCH-ARM / FISHERS	P=0.140	P=0.500N	P=0.229	P=0.500	P=0.170
ORDER RESTRICTED	P=0.174	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.186	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

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 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

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

DOSE	Males				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

Lung Inflammation Chronic

LESION RATES

OVERALL (a)	1/50 (2%)	0/50 (0%)	0/49 (0%)	1/50 (2%)	1/49 (2%)
POLY-3 RATE (b)	1/44.47	0/41.51	0/40.66	1/44.10	1/43.43
POLY-3 PERCENT (g)	2.3%	0%	0%	2.3%	2.3%
TERMINAL (d)	0/28 (0%)	0/30 (0%)	0/30 (0%)	1/36 (3%)	0/29 (0%)
FIRST INCIDENCE	689	---	---	729 (T)	605

STATISTICAL TESTS

LIFE TABLE	P=0.431	P=0.517N	P=0.530N	P=0.723N	P=0.749
POLY 3	P=0.444	P=0.514N	P=0.518N	P=0.759	P=0.755
POLY 1.5	P=0.439	P=0.510N	P=0.513N	P=0.759	P=0.756
POLY 6	P=0.445	P=0.516N	P=0.522N	P=0.761N	P=0.754
LOGISTIC REGRESSION	P=0.417	P=0.504N	P=0.508N	P=0.762	P=0.746
COCH-ARM / FISHERS	P=0.423	P=0.500N	P=0.505N	P=0.753N	P=0.747
ORDER RESTRICTED	P=0.472	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.477	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
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 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

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

DOSE	Males				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

Lung: Alveolar Epithelium
 Hyperplasia

LESION RATES

OVERALL (a)	11/50 (22%)	6/50 (12%)	4/49 (8%)	8/50 (16%)	5/49 (10%)
POLY-3 RATE (b)	11/44.91	6/42.40	4/41.01	8/44.98	5/43.68
POLY-3 PERCENT (g)	24.5%	14.2%	9.8%	17.8%	11.5%
TERMINAL (d)	8/28 (29%)	4/30 (13%)	3/30 (10%)	6/36 (17%)	3/29 (10%)
FIRST INCIDENCE	652	477	631	570	617

STATISTICAL TESTS

LIFE TABLE	P=0.241N	P=0.135N	P=0.046N*	P=0.178N	P=0.092N
POLY 3	P=0.218N	P=0.170N	P=0.063N	P=0.301N	P=0.091N
POLY 1.5	P=0.226N	P=0.163N	P=0.058N	P=0.306N	P=0.091N
POLY 6	P=0.216N	P=0.172N	P=0.067N	P=0.288N	P=0.093N
LOGISTIC REGRESSION	P=0.237N	P=0.172N	P=0.067N	P=0.308N	P=0.097N
COCH-ARM / FISHERS	P=0.254N	P=0.143N	P=0.049N*	P=0.306N	P=0.093N
ORDER RESTRICTED	P=0.066N	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.077N	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

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

DOSE	Males				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

Lymph Node, Mandibular
 Ectasia

LESION RATES

OVERALL (a)	0/0 (0%)	0/0 (0%)	1/5 (20%)	1/2 (50%)	2/2 (100%)
POLY-3 RATE (b)	0/0.00	0/0.00	1/4.77	1/2.00	2/2.00
POLY-3 PERCENT (g)	0%	0%	21%	50%	100%
TERMINAL (d)	0/0 (0%)	0/0 (0%)	1/4 (25%)	1/2 (50%)	2/2 (100%)
FIRST INCIDENCE	---	---	729 (T)	729 (T)	729 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.157	(e)	(e)	(e)	(e)
POLY 3	(e)	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)	(e)
LOGISTIC REGRESSION	(e)	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	P=0.099	(e)	(e)	(e)	(e)
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

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

DOSE	Males				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

Lymph Node, Mesenteric
 Hemorrhage

LESION RATES

OVERALL (a)	2/49 (4%)	7/50 (14%)	9/49 (18%)	8/50 (16%)	17/49 (35%)
POLY-3 RATE (b)	2/43.80	7/43.21	9/42.50	8/45.11	17/45.12
POLY-3 PERCENT (g)	4.6%	16.2%	21.2%	17.7%	37.7%
TERMINAL (d)	1/28 (4%)	4/30 (13%)	4/30 (13%)	6/36 (17%)	8/29 (28%)
FIRST INCIDENCE	587	477	560	520	587

STATISTICAL TESTS

LIFE TABLE	P<0.001**	P=0.087	P=0.029*	P=0.084	P<0.001**
POLY 3	P<0.001**	P=0.074	P=0.021*	P=0.049*	P<0.001**
POLY 1.5	P<0.001**	P=0.076	P=0.022*	P=0.049*	P<0.001**
POLY 6	P<0.001**	P=0.076	P=0.021*	P=0.052	P<0.001**
LOGISTIC REGRESSION	P<0.001**	P=0.108	P=0.031*	P=0.052	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.085	P=0.025*	P=0.049*	P<0.001**
ORDER RESTRICTED	P<0.001**	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P<0.001**	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

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

DOSE	Males				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

Lymph Node, Mesenteric
 Hyperplasia Lymphoid

LESION RATES

OVERALL (a)	1/49 (2%)	6/50 (12%)	2/49 (4%)	1/50 (2%)	0/49 (0%)
POLY-3 RATE (b)	1/43.32	6/43.75	2/41.21	1/44.46	0/43.00
POLY-3 PERCENT (g)	2.3%	13.7%	4.9%	2.3%	0%
TERMINAL (d)	1/28 (4%)	0/30 (0%)	1/30 (3%)	0/36 (0%)	0/29 (0%)
FIRST INCIDENCE	729 (T)	321	560	629	---

STATISTICAL TESTS

LIFE TABLE	P=0.053N	P=0.058	P=0.508	P=0.744N	P=0.493N
POLY 3	P=0.047N*	P=0.057	P=0.483	P=0.755N	P=0.501N
POLY 1.5	P=0.047N*	P=0.057	P=0.487	P=0.756N	P=0.500N
POLY 6	P=0.046N*	P=0.060	P=0.480	P=0.750N	P=0.504N
LOGISTIC REGRESSION	P=0.065N	P=0.099	P=0.513	P=0.755N	(e)
COCH-ARM / FISHERS	P=0.051N	P=0.059	P=0.500	P=0.747N	P=0.500N
ORDER RESTRICTED	P=0.054N	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.061N	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

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

DOSE	Males				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

Lymph Node, Mesenteric
 Infiltration Cellular Histiocyte

LESION RATES

OVERALL (a)	13/49 (27%)	11/50 (22%)	30/49 (61%)	39/50 (78%)	41/49 (84%)
POLY-3 RATE (b)	13/44.53	11/43.12	30/44.62	39/45.45	41/46.41
POLY-3 PERCENT (g)	29.2%	25.5%	67.2%	85.8%	88.4%
TERMINAL (d)	9/28 (32%)	7/30 (23%)	19/30 (63%)	34/36 (94%)	28/29 (97%)
FIRST INCIDENCE	520	345	521	595	587

STATISTICAL TESTS

LIFE TABLE	P<0.001**	P=0.385N	P=0.002**	P<0.001**	P<0.001**
POLY 3	P<0.001**	P=0.441N	P<0.001**	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P=0.426N	P<0.001**	P<0.001**	P<0.001**
POLY 6	P<0.001**	P=0.446N	P<0.001**	P<0.001**	P<0.001**
LOGISTIC REGRESSION	P<0.001**	P=0.408N	P<0.001**	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.385N	P<0.001**	P<0.001**	P<0.001**
ORDER RESTRICTED	P<0.001**	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P<0.001**	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

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

DOSE	Males				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

Lymph Node, Pancreatic
 Hemorrhage

LESION RATES

OVERALL (a)	0/32 (0%)	3/34 (9%)	4/34 (12%)	2/36 (6%)	1/33 (3%)
POLY-3 RATE (b)	0/27.09	3/29.50	4/28.72	2/30.61	1/29.07
POLY-3 PERCENT (g)	0%	10.2%	13.9%	6.5%	3.4%
TERMINAL (d)	0/14 (0%)	0/19 (0%)	2/19 (11%)	2/24 (8%)	0/19 (0%)
FIRST INCIDENCE	---	454	595	729 (T)	609

STATISTICAL TESTS

LIFE TABLE	P=0.333N	P=0.116	P=0.077	P=0.362	P=0.487
POLY 3	P=0.339N	P=0.131	P=0.063	P=0.263	P=0.514
POLY 1.5	P=0.345N	P=0.129	P=0.063	P=0.262	P=0.511
POLY 6	P=0.333N	P=0.136	P=0.065	P=0.269	P=0.518
LOGISTIC REGRESSION	P=0.375N	P=0.150	P=0.067	P=0.362	P=0.422
COCH-ARM / FISHERS	P=0.357N	P=0.131	P=0.064	P=0.277	P=0.508
ORDER RESTRICTED	P=0.181	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.193	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

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

DOSE	Males				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

Lymph Node, Pancreatic
 Hyperplasia Lymphoid

LESION RATES

OVERALL (a)	0/32 (0%)	0/34 (0%)	0/34 (0%)	0/36 (0%)	1/33 (3%)
POLY-3 RATE (b)	0/27.09	0/28.42	0/28.09	0/30.61	1/29.07
POLY-3 PERCENT (g)	0%	0%	0%	0%	3.4%
TERMINAL (d)	0/14 (0%)	0/19 (0%)	0/19 (0%)	0/24 (0%)	0/19 (0%)
FIRST INCIDENCE	---	---	---	---	609

STATISTICAL TESTS

LIFE TABLE	P=0.160	(e)	(e)	(e)	P=0.487
POLY 3	P=0.162	(e)	(e)	(e)	P=0.514
POLY 1.5	P=0.160	(e)	(e)	(e)	P=0.511
POLY 6	P=0.164	(e)	(e)	(e)	P=0.518
LOGISTIC REGRESSION	P=0.114	(e)	(e)	(e)	P=0.422
COCH-ARM / FISHERS	P=0.155	(e)	(e)	(e)	P=0.508
ORDER RESTRICTED	P=0.102	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.114	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

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

DOSE	Males				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

Lymph Node, Pancreatic
 Infiltration Cellular Histiocyte

LESION RATES

OVERALL (a)	17/32 (53%)	22/34 (65%)	17/34 (50%)	17/36 (47%)	25/33 (76%)
POLY-3 RATE (b)	17/28.84	22/31.53	17/30.13	17/32.48	25/32.37
POLY-3 PERCENT (g)	59%	69.8%	56.4%	52.3%	77.2%
TERMINAL (d)	9/14 (64%)	13/19 (68%)	10/19 (53%)	13/24 (54%)	13/19 (68%)
FIRST INCIDENCE	520	337	560	520	595

STATISTICAL TESTS

LIFE TABLE	P=0.159	P=0.403	P=0.410N	P=0.130N	P=0.208
POLY 3	P=0.082	P=0.264	P=0.528N	P=0.394N	P=0.095
POLY 1.5	P=0.062	P=0.252	P=0.523N	P=0.402N	P=0.070
POLY 6	P=0.122	P=0.291	P=0.518N	P=0.373N	P=0.146
LOGISTIC REGRESSION	P=0.056	P=0.222	P=0.537N	P=0.407N	P=0.055
COCH-ARM / FISHERS	P=0.045*	P=0.240	P=0.497N	P=0.404N	P=0.049*
ORDER RESTRICTED	P=0.103	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.121	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

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

DOSE	Males				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

Lymph Node, Pancreatic
 Pigmentation

LESION RATES

OVERALL (a)	0/32 (0%)	0/34 (0%)	1/34 (3%)	1/36 (3%)	0/33 (0%)
POLY-3 RATE (b)	0/27.09	0/28.42	1/28.09	1/30.61	0/28.66
POLY-3 PERCENT (g)	0%	0%	3.6%	3.3%	0%
TERMINAL (d)	0/14 (0%)	0/19 (0%)	1/19 (5%)	1/24 (4%)	0/19 (0%)
FIRST INCIDENCE	---	---	729 (T)	729 (T)	---

STATISTICAL TESTS

LIFE TABLE	P=0.618N	(e)	P=0.561	P=0.607	(e)
POLY 3	P=0.635N	(e)	P=0.507	P=0.524	(e)
POLY 1.5	P=0.637N	(e)	P=0.508	P=0.523	(e)
POLY 6	P=0.635N	(e)	P=0.507	P=0.530	(e)
LOGISTIC REGRESSION	(e)	(e)	P=0.561	P=0.607	(e)
COCH-ARM / FISHERS	P=0.643N	(e)	P=0.515	P=0.529	(e)
ORDER RESTRICTED	P=0.413	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.419	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Sodium dichromate dihydrate (VI)
CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
Time Report Requested: 10:38:19
First Dose M/F: 10/02/02 / 10/02/02
Lab: SRI

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

DOSE	Males				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

Lymph Node: Deep Cervical
Ectasia

LESION RATES

OVERALL (a)	0/14 (0%)	0/7 (0%)	0/6 (0%)	0/11 (0%)	2/9 (22%)
POLY-3 RATE (b)	0/11.15	0/6.27	0/4.41	0/8.82	2/7.76
POLY-3 PERCENT (g)	0%	0%	0%	0%	25.8%
TERMINAL (d)	0/5 (0%)	0/5 (0%)	0/4 (0%)	0/6 (0%)	0/2 (0%)
FIRST INCIDENCE	---	---	---	---	595

STATISTICAL TESTS

LIFE TABLE	P=0.023*	(e)	(e)	(e)	P=0.234
POLY 3	P=0.013*	(e)	(e)	(e)	P=0.140
POLY 1.5	P=0.013*	(e)	(e)	(e)	P=0.137
POLY 6	P=0.012*	(e)	(e)	(e)	P=0.140
LOGISTIC REGRESSION	P=0.011*	(e)	(e)	(e)	P=0.087
COCH-ARM / FISHERS	P=0.016*	(e)	(e)	(e)	P=0.142
ORDER RESTRICTED	P=0.004**	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.012*	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

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

DOSE	Males				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

Lymph Node: Deep Cervical
 Hyperplasia Lymphoid

LESION RATES

OVERALL (a)	0/14 (0%)	0/7 (0%)	0/6 (0%)	0/11 (0%)	2/9 (22%)
POLY-3 RATE (b)	0/11.15	0/6.27	0/4.41	0/8.82	2/7.76
POLY-3 PERCENT (g)	0%	0%	0%	0%	25.8%
TERMINAL (d)	0/5 (0%)	0/5 (0%)	0/4 (0%)	0/6 (0%)	0/2 (0%)
FIRST INCIDENCE	---	---	---	---	595

STATISTICAL TESTS

LIFE TABLE	P=0.023*	(e)	(e)	(e)	P=0.234
POLY 3	P=0.013*	(e)	(e)	(e)	P=0.140
POLY 1.5	P=0.013*	(e)	(e)	(e)	P=0.137
POLY 6	P=0.012*	(e)	(e)	(e)	P=0.140
LOGISTIC REGRESSION	P=0.011*	(e)	(e)	(e)	P=0.087
COCH-ARM / FISHERS	P=0.016*	(e)	(e)	(e)	P=0.142
ORDER RESTRICTED	P=0.004**	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.012*	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

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

DOSE	Males				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

Lymph Node: Mediastinal
 Ectasia

LESION RATES

OVERALL (a)	2/14 (14%)	1/7 (14%)	0/6 (0%)	1/11 (9%)	1/9 (11%)
POLY-3 RATE (b)	2/11.18	1/6.27	0/4.41	1/8.82	1/7.06
POLY-3 PERCENT (g)	17.9%	16%	0%	11.3%	14.2%
TERMINAL (d)	1/5 (20%)	1/5 (20%)	0/4 (0%)	1/6 (17%)	0/2 (0%)
FIRST INCIDENCE	721	729 (T)	---	729 (T)	673

STATISTICAL TESTS

LIFE TABLE	P=0.606	P=0.496N	P=0.260N	P=0.428N	P=0.610N
POLY 3	P=0.629N	P=0.707N	P=0.458N	P=0.586N	P=0.665N
POLY 1.5	P=0.621N	P=0.719N	P=0.458N	P=0.588N	P=0.657N
POLY 6	P=0.650N	P=0.692N	P=0.440N	P=0.578N	P=0.686N
LOGISTIC REGRESSION	P=0.617	P=0.593N	P=0.336N	P=0.473N	P=0.753
COCH-ARM / FISHERS	P=0.628N	P=0.726	P=0.479N	P=0.593N	P=0.668N
ORDER RESTRICTED	P=0.531N	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.575N	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

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

DOSE	Males				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

Lymph Node: Mediastinal
 Hemorrhage

LESION RATES

OVERALL (a)	1/14 (7%)	2/7 (29%)	1/6 (17%)	1/11 (9%)	1/9 (11%)
POLY-3 RATE (b)	1/11.15	2/6.27	1/4.41	1/8.82	1/6.85
POLY-3 PERCENT (g)	9%	31.9%	22.7%	11.3%	14.6%
TERMINAL (d)	1/5 (20%)	2/5 (40%)	1/4 (25%)	1/6 (17%)	1/2 (50%)
FIRST INCIDENCE	729 (T)	729 (T)	729 (T)	729 (T)	729 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.555	P=0.500	P=0.723	P=0.730N	P=0.549
POLY 3	P=0.558N	P=0.286	P=0.542	P=0.711	P=0.651
POLY 1.5	P=0.549N	P=0.273	P=0.542	P=0.707	P=0.658
POLY 6	P=0.581N	P=0.304	P=0.561	P=0.720	P=0.631
LOGISTIC REGRESSION	P=0.555	P=0.500	P=0.723	P=0.730N	P=0.549
COCH-ARM / FISHERS	P=0.550N	P=0.247	P=0.521	P=0.697	P=0.640
ORDER RESTRICTED	P=0.490	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.543	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

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

DOSE	Males				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

Lymph Node: Mediastinal
 Hyperplasia Lymphoid

LESION RATES

OVERALL (a)	1/14 (7%)	1/7 (14%)	1/6 (17%)	3/11 (27%)	2/9 (22%)
POLY-3 RATE (b)	1/11.15	1/6.27	1/4.41	3/8.82	2/7.06
POLY-3 PERCENT (g)	9%	16%	22.7%	34%	28.3%
TERMINAL (d)	1/5 (20%)	1/5 (20%)	1/4 (25%)	3/6 (50%)	1/2 (50%)
FIRST INCIDENCE	729 (T)	729 (T)	729 (T)	729 (T)	673

STATISTICAL TESTS

LIFE TABLE	P=0.076	P=0.773	P=0.723	P=0.351	P=0.280
POLY 3	P=0.277	P=0.632	P=0.542	P=0.201	P=0.332
POLY 1.5	P=0.296	P=0.619	P=0.542	P=0.202	P=0.340
POLY 6	P=0.236	P=0.649	P=0.561	P=0.206	P=0.311
LOGISTIC REGRESSION	P=0.110	P=0.773	P=0.723	P=0.351	P=0.228
COCH-ARM / FISHERS	P=0.299	P=0.567	P=0.521	P=0.209	P=0.332
ORDER RESTRICTED	P=0.195	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.277	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

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

DOSE	Males				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

Lymph Node: Mediastinal
 Pigmentation

LESION RATES

OVERALL (a)	0/14 (0%)	0/7 (0%)	1/6 (17%)	0/11 (0%)	0/9 (0%)
POLY-3 RATE (b)	0/11.15	0/6.27	1/4.41	0/8.82	0/6.85
POLY-3 PERCENT (g)	0%	0%	22.7%	0%	0%
TERMINAL (d)	0/5 (0%)	0/5 (0%)	1/4 (25%)	0/6 (0%)	0/2 (0%)
FIRST INCIDENCE	---	---	729 (T)	---	---

STATISTICAL TESTS

LIFE TABLE	P=0.798N	(e)	P=0.455	(e)	(e)
POLY 3	P=0.690N	(e)	P=0.309	(e)	(e)
POLY 1.5	P=0.687N	(e)	P=0.309	(e)	(e)
POLY 6	P=0.683N	(e)	P=0.320	(e)	(e)
LOGISTIC REGRESSION	(e)	(e)	P=0.455	(e)	(e)
COCH-ARM / FISHERS	P=0.666N	(e)	P=0.300	(e)	(e)
ORDER RESTRICTED	P=0.443	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.492	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

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

DOSE	Males				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L
Mammary Gland Hyperplasia					
LESION RATES					
OVERALL (a)	25/50 (50%)	17/49 (35%)	19/48 (40%)	11/50 (22%)	14/49 (29%)
POLY-3 RATE (b)	25/46.15	17/42.92	19/42.93	11/44.68	14/45.32
POLY-3 PERCENT (g)	54.2%	39.6%	44.3%	24.6%	30.9%
TERMINAL (d)	15/28 (54%)	11/30 (37%)	12/30 (40%)	10/36 (28%)	6/29 (21%)
FIRST INCIDENCE	587	559	521	549	557
STATISTICAL TESTS					
LIFE TABLE	P=0.054N	P=0.090N	P=0.189N	P<0.001N**	P=0.039N*
POLY 3	P=0.027N*	P=0.117N	P=0.231N	P=0.003N**	P=0.017N*
POLY 1.5	P=0.031N*	P=0.109N	P=0.223N	P=0.003N**	P=0.019N*
POLY 6	P=0.025N*	P=0.121N	P=0.236N	P=0.003N**	P=0.017N*
LOGISTIC REGRESSION	P=0.038N*	P=0.122N	P=0.251N	P=0.003N**	P=0.024N*
COCH-ARM / FISHERS	P=0.045N*	P=0.090N	P=0.202N	P=0.003N**	P=0.024N*
ORDER RESTRICTED	P=0.004N**	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.006N**	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

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

DOSE	Males				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

Mesentery: Fat
 Necrosis

LESION RATES

OVERALL (a)	11/12 (92%)	3/4 (75%)	10/15 (67%)	12/14 (86%)	13/15 (87%)
POLY-3 RATE (b)	11/12.00	3/4.00	10/12.73	12/13.16	13/14.76
POLY-3 PERCENT (g)	91.7%	75%	78.6%	91.2%	88.1%
TERMINAL (d)	6/7 (86%)	3/4 (75%)	6/8 (75%)	10/11 (91%)	7/7 (100%)
FIRST INCIDENCE	482	729 (T)	521	570	557

STATISTICAL TESTS

LIFE TABLE	P=0.054	P=0.048N*	P=0.478N	P=0.295N	P=0.362
POLY 3	P=0.523	P=0.500N	P=0.358N	P=0.746N	P=0.631N
POLY 1.5	P=0.485	P=0.500N	P=0.256N	P=0.691N	P=0.605N
POLY 6	P=0.522	P=0.500N	P=0.455N	P=0.749	P=0.681N
LOGISTIC REGRESSION	P=0.509	P=0.048N*	P=0.229N	P=0.566N	P=0.594N
COCH-ARM / FISHERS	P=0.383	P=0.450N	P=0.139N	P=0.560N	P=0.586N
ORDER RESTRICTED	P=0.506N	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.536N	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

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

DOSE	Males				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L
Nose					
Foreign Body					
LESION RATES					
OVERALL (a)	9/50 (18%)	11/50 (22%)	9/49 (18%)	15/50 (30%)	1/49 (2%)
POLY-3 RATE (b)	9/45.39	11/43.63	9/41.61	15/45.70	1/43.13
POLY-3 PERCENT (g)	19.8%	25.2%	21.6%	32.8%	2.3%
TERMINAL (d)	3/28 (11%)	7/30 (23%)	5/30 (17%)	11/36 (31%)	0/29 (0%)
FIRST INCIDENCE	587	345	631	520	696
STATISTICAL TESTS					
LIFE TABLE	P=0.008N**	P=0.407	P=0.563	P=0.254	P=0.014N*
POLY 3	P=0.005N**	P=0.362	P=0.523	P=0.119	P=0.010N**
POLY 1.5	P=0.005N**	P=0.373	P=0.542	P=0.118	P=0.009N**
POLY 6	P=0.006N**	P=0.355	P=0.509	P=0.125	P=0.011N*
LOGISTIC REGRESSION	P=0.007N**	P=0.424	P=0.542	P=0.120	P=0.011N*
COCH-ARM / FISHERS	P=0.007N**	P=0.402	P=0.584	P=0.121	P=0.009N**
ORDER RESTRICTED	P=0.004N**	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.007N**	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

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

DOSE	Males				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

Nose Inflammation Chronic

LESION RATES

OVERALL (a)	8/50 (16%)	11/50 (22%)	8/49 (16%)	16/50 (32%)	7/49 (14%)
POLY-3 RATE (b)	8/45.28	11/43.46	8/41.33	16/46.37	7/44.27
POLY-3 PERCENT (g)	17.7%	25.3%	19.4%	34.5%	15.8%
TERMINAL (d)	3/28 (11%)	8/30 (27%)	5/30 (17%)	11/36 (31%)	2/29 (7%)
FIRST INCIDENCE	587	345	631	520	609

STATISTICAL TESTS

LIFE TABLE	P=0.351N	P=0.323	P=0.586	P=0.137	P=0.517N
POLY 3	P=0.332N	P=0.268	P=0.530	P=0.053	P=0.519N
POLY 1.5	P=0.342N	P=0.279	P=0.549	P=0.050*	P=0.517N
POLY 6	P=0.328N	P=0.260	P=0.513	P=0.058	P=0.524N
LOGISTIC REGRESSION	P=0.374N	P=0.321	P=0.545	P=0.052	P=0.516N
COCH-ARM / FISHERS	P=0.373N	P=0.306	P=0.590	P=0.050*	P=0.517N
ORDER RESTRICTED	P=0.280N	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.289N	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

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

DOSE	Males				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

Nose: Nasolacrimal Duct
 Cyst

LESION RATES

OVERALL (a)	0/50 (0%)	0/50 (0%)	0/49 (0%)	2/50 (4%)	1/49 (2%)
POLY-3 RATE (b)	0/44.31	0/41.51	0/40.66	2/44.74	1/43.00
POLY-3 PERCENT (g)	0%	0%	0%	4.5%	2.3%
TERMINAL (d)	0/28 (0%)	0/30 (0%)	0/30 (0%)	1/36 (3%)	1/29 (3%)
FIRST INCIDENCE	---	---	---	520	729 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.244	(e)	(e)	P=0.270	P=0.507
POLY 3	P=0.247	(e)	(e)	P=0.239	P=0.494
POLY 1.5	P=0.246	(e)	(e)	P=0.238	P=0.495
POLY 6	P=0.244	(e)	(e)	P=0.243	P=0.492
LOGISTIC REGRESSION	P=0.219	(e)	(e)	P=0.261	P=0.507
COCH-ARM / FISHERS	P=0.237	(e)	(e)	P=0.247	P=0.495
ORDER RESTRICTED	P=0.139	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.152	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

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

DOSE	Males				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

Nose: Respiratory Epithelium
 Hyperplasia

LESION RATES

OVERALL (a)	5/50 (10%)	5/50 (10%)	4/49 (8%)	11/50 (22%)	4/49 (8%)
POLY-3 RATE (b)	5/45.12	5/42.73	4/41.25	11/46.23	4/44.02
POLY-3 PERCENT (g)	11.1%	11.7%	9.7%	23.8%	9.1%
TERMINAL (d)	2/28 (7%)	2/30 (7%)	2/30 (7%)	7/36 (19%)	0/29 (0%)
FIRST INCIDENCE	587	477	631	399	636

STATISTICAL TESTS

LIFE TABLE	P=0.501N	P=0.611	P=0.531N	P=0.153	P=0.522N
POLY 3	P=0.487N	P=0.596	P=0.556N	P=0.091	P=0.515N
POLY 1.5	P=0.495N	P=0.604	P=0.543N	P=0.088	P=0.513N
POLY 6	P=0.487N	P=0.594	P=0.567N	P=0.098	P=0.519N
LOGISTIC REGRESSION	P=0.556N	P=0.599N	P=0.518N	P=0.093	P=0.517N
COCH-ARM / FISHERS	P=0.522N	P=0.630N	P=0.513N	P=0.086	P=0.513N
ORDER RESTRICTED	P=0.359	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.368	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

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

DOSE	Males				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

Nose: Respiratory Epithelium
 Metaplasia

LESION RATES

OVERALL (a)	0/50 (0%)	1/50 (2%)	0/49 (0%)	3/50 (6%)	1/49 (2%)
POLY-3 RATE (b)	0/44.31	1/41.51	0/40.66	3/45.77	1/43.00
POLY-3 PERCENT (g)	0%	2.4%	0%	6.6%	2.3%
TERMINAL (d)	0/28 (0%)	1/30 (3%)	0/30 (0%)	0/36 (0%)	1/29 (3%)
FIRST INCIDENCE	---	729 (T)	---	520	729 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.406	P=0.514	(e)	P=0.123	P=0.507
POLY 3	P=0.399	P=0.487	(e)	P=0.124	P=0.494
POLY 1.5	P=0.398	P=0.490	(e)	P=0.122	P=0.495
POLY 6	P=0.395	P=0.486	(e)	P=0.130	P=0.492
LOGISTIC REGRESSION	P=0.322	P=0.514	(e)	P=0.151	P=0.507
COCH-ARM / FISHERS	P=0.388	P=0.500	(e)	P=0.121	P=0.495
ORDER RESTRICTED	P=0.129	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.143	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

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

DOSE	Males				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

Pancreas
Atrophy

LESION RATES

OVERALL (a)	25/50 (50%)	16/50 (32%)	24/49 (49%)	24/50 (48%)	31/49 (63%)
POLY-3 RATE (b)	25/46.61	16/43.99	24/41.93	24/46.15	31/46.25
POLY-3 PERCENT (g)	53.6%	36.4%	57.2%	52%	67%
TERMINAL (d)	15/28 (54%)	9/30 (30%)	19/30 (63%)	18/36 (50%)	18/29 (62%)
FIRST INCIDENCE	482	477	636	521	595

STATISTICAL TESTS

LIFE TABLE	P=0.025*	P=0.072N	P=0.491N	P=0.219N	P=0.202
POLY 3	P=0.016*	P=0.071N	P=0.449	P=0.521N	P=0.127
POLY 1.5	P=0.014*	P=0.066N	P=0.507	P=0.518N	P=0.128
POLY 6	P=0.018*	P=0.069N	P=0.395	P=0.505N	P=0.132
LOGISTIC REGRESSION	P=0.015*	P=0.067N	P=0.472	P=0.512N	P=0.124
COCH-ARM / FISHERS	P=0.011*	P=0.052N	P=0.540N	P=0.500N	P=0.129
ORDER RESTRICTED	P=0.018*	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.024*	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

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

DOSE	Males				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

Pancreas Cyst

LESION RATES

OVERALL (a)	9/50 (18%)	7/50 (14%)	9/49 (18%)	9/50 (18%)	12/49 (24%)
POLY-3 RATE (b)	9/45.10	7/42.30	9/41.62	9/44.14	12/44.02
POLY-3 PERCENT (g)	20%	16.6%	21.6%	20.4%	27.3%
TERMINAL (d)	5/28 (18%)	5/30 (17%)	6/30 (20%)	8/36 (22%)	8/29 (28%)
FIRST INCIDENCE	639	595	617	721	609

STATISTICAL TESTS

LIFE TABLE	P=0.158	P=0.392N	P=0.589	P=0.423N	P=0.317
POLY 3	P=0.163	P=0.446N	P=0.529	P=0.584	P=0.286
POLY 1.5	P=0.161	P=0.432N	P=0.545	P=0.590	P=0.291
POLY 6	P=0.159	P=0.452N	P=0.518	P=0.584	P=0.276
LOGISTIC REGRESSION	P=0.162	P=0.437N	P=0.532	P=0.594N	P=0.284
COCH-ARM / FISHERS	P=0.143	P=0.393N	P=0.584	P=0.602N	P=0.294
ORDER RESTRICTED	P=0.252	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.262	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Sodium dichromate dihydrate (VI)
CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
Time Report Requested: 10:38:19
First Dose M/F: 10/02/02 / 10/02/02
Lab: SRI

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

DOSE	Males				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

Pancreas: Acinus
Cytoplasmic Alteration

LESION RATES

OVERALL (a)	0/50 (0%)	0/50 (0%)	1/49 (2%)	0/50 (0%)	3/49 (6%)
POLY-3 RATE (b)	0/44.31	0/41.51	1/40.83	0/44.10	3/43.88
POLY-3 PERCENT (g)	0%	0%	2.5%	0%	6.8%
TERMINAL (d)	0/28 (0%)	0/30 (0%)	0/30 (0%)	0/36 (0%)	0/29 (0%)
FIRST INCIDENCE	---	---	686	---	609

STATISTICAL TESTS

LIFE TABLE	P=0.016*	(e)	P=0.471	(e)	P=0.113
POLY 3	P=0.015*	(e)	P=0.484	(e)	P=0.117
POLY 1.5	P=0.014*	(e)	P=0.487	(e)	P=0.116
POLY 6	P=0.015*	(e)	P=0.481	(e)	P=0.117
LOGISTIC REGRESSION	P=0.011*	(e)	P=0.494	(e)	P=0.102
COCH-ARM / FISHERS	P=0.014*	(e)	P=0.495	(e)	P=0.117
ORDER RESTRICTED	P=0.010**	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.014*	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Sodium dichromate dihydrate (VI)
CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
Time Report Requested: 10:38:19
First Dose M/F: 10/02/02 / 10/02/02
Lab: SRI

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

DOSE	Males				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

Pancreas: Acinus
Hyperplasia Focal

LESION RATES

OVERALL (a)	6/50 (12%)	10/50 (20%)	9/49 (18%)	7/50 (14%)	9/49 (18%)
POLY-3 RATE (b)	6/44.31	10/41.51	9/41.00	7/44.10	9/43.72
POLY-3 PERCENT (g)	13.5%	24.1%	22%	15.9%	20.6%
TERMINAL (d)	6/28 (21%)	10/30 (33%)	8/30 (27%)	7/36 (19%)	6/29 (21%)
FIRST INCIDENCE	729 (T)	729 (T)	636	729 (T)	605

STATISTICAL TESTS

LIFE TABLE	P=0.467	P=0.238	P=0.320	P=0.546N	P=0.300
POLY 3	P=0.485	P=0.163	P=0.231	P=0.496	P=0.275
POLY 1.5	P=0.475	P=0.175	P=0.243	P=0.495	P=0.276
POLY 6	P=0.491	P=0.157	P=0.222	P=0.507	P=0.274
LOGISTIC REGRESSION	P=0.460	P=0.238	P=0.216	P=0.546N	P=0.252
COCH-ARM / FISHERS	P=0.446	P=0.207	P=0.274	P=0.500	P=0.274
ORDER RESTRICTED	P=0.341	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.347	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

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

DOSE	Males				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

Pituitary Gland: Pars Distalis Angiectasis

LESION RATES

OVERALL (a)	2/50 (4%)	3/50 (6%)	2/49 (4%)	5/50 (10%)	3/49 (6%)
POLY-3 RATE (b)	2/44.31	3/42.07	2/40.98	5/45.69	3/43.00
POLY-3 PERCENT (g)	4.5%	7.1%	4.9%	10.9%	7%
TERMINAL (d)	2/28 (7%)	1/30 (3%)	1/30 (3%)	2/36 (6%)	3/29 (10%)
FIRST INCIDENCE	729 (T)	617	640	520	729 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.442	P=0.506	P=0.691N	P=0.277	P=0.516
POLY 3	P=0.443	P=0.476	P=0.666	P=0.228	P=0.486
POLY 1.5	P=0.442	P=0.481	P=0.672	P=0.222	P=0.489
POLY 6	P=0.435	P=0.478	P=0.663	P=0.242	P=0.481
LOGISTIC REGRESSION	P=0.421	P=0.480	P=0.664	P=0.233	P=0.516
COCH-ARM / FISHERS	P=0.428	P=0.500	P=0.684	P=0.218	P=0.490
ORDER RESTRICTED	P=0.353	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.363	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

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

DOSE	Males				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

**Pituitary Gland: Pars Distalis
 Cyst**

LESION RATES

OVERALL (a)	3/50 (6%)	4/50 (8%)	7/49 (14%)	5/50 (10%)	5/49 (10%)
POLY-3 RATE (b)	3/45.15	4/42.43	7/40.89	5/45.10	5/43.36
POLY-3 PERCENT (g)	6.6%	9.4%	17.1%	11.1%	11.5%
TERMINAL (d)	1/28 (4%)	3/30 (10%)	6/30 (20%)	3/36 (8%)	3/29 (10%)
FIRST INCIDENCE	484	321	667	520	652

STATISTICAL TESTS

LIFE TABLE	P=0.470	P=0.512	P=0.169	P=0.431	P=0.359
POLY 3	P=0.463	P=0.466	P=0.119	P=0.356	P=0.334
POLY 1.5	P=0.463	P=0.476	P=0.128	P=0.354	P=0.340
POLY 6	P=0.457	P=0.460	P=0.111	P=0.364	P=0.326
LOGISTIC REGRESSION	P=0.446	P=0.612	P=0.135	P=0.384	P=0.345
COCH-ARM / FISHERS	P=0.452	P=0.500	P=0.151	P=0.357	P=0.346
ORDER RESTRICTED	P=0.280	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.294	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

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

DOSE	Males				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

Pituitary Gland: Pars Distalis
 Cytoplasmic Alteration Focal

LESION RATES

OVERALL (a)	2/50 (4%)	2/50 (4%)	3/49 (6%)	2/50 (4%)	2/49 (4%)
POLY-3 RATE (b)	2/44.60	2/41.87	3/40.66	2/44.14	2/43.00
POLY-3 PERCENT (g)	4.5%	4.8%	7.4%	4.5%	4.7%
TERMINAL (d)	1/28 (4%)	1/30 (3%)	3/30 (10%)	1/36 (3%)	2/29 (7%)
FIRST INCIDENCE	652	629	729 (T)	721	729 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.551N	P=0.681	P=0.507	P=0.639N	P=0.693
POLY 3	P=0.548N	P=0.671	P=0.458	P=0.690	P=0.681
POLY 1.5	P=0.548N	P=0.677	P=0.469	P=0.691	P=0.684
POLY 6	P=0.553N	P=0.670	P=0.448	P=0.694	P=0.675
LOGISTIC REGRESSION	P=0.544N	P=0.695	P=0.454	P=0.694	P=0.682
COCH-ARM / FISHERS	P=0.557N	P=0.691N	P=0.490	P=0.691N	P=0.684
ORDER RESTRICTED	P=0.695	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.693	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

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

DOSE	Males				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

Pituitary Gland: Pars Distalis Hyperplasia Focal

LESION RATES

OVERALL (a)	12/50 (24%)	6/50 (12%)	12/49 (24%)	14/50 (28%)	11/49 (22%)
POLY-3 RATE (b)	12/46.85	6/42.12	12/41.98	14/46.47	11/44.70
POLY-3 PERCENT (g)	25.6%	14.3%	28.6%	30.1%	24.6%
TERMINAL (d)	5/28 (18%)	3/30 (10%)	8/30 (27%)	10/36 (28%)	5/29 (17%)
FIRST INCIDENCE	484	652	560	520	595

STATISTICAL TESTS

LIFE TABLE	P=0.414	P=0.121N	P=0.551	P=0.566	P=0.520N
POLY 3	P=0.431	P=0.142N	P=0.470	P=0.399	P=0.552N
POLY 1.5	P=0.419	P=0.126N	P=0.503	P=0.402	P=0.538N
POLY 6	P=0.432	P=0.155N	P=0.440	P=0.403	P=0.569N
LOGISTIC REGRESSION	P=0.373	P=0.086N	P=0.581	P=0.436	P=0.518N
COCH-ARM / FISHERS	P=0.378	P=0.096N	P=0.570	P=0.410	P=0.522N
ORDER RESTRICTED	P=0.340	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.354	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

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

DOSE	Males				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

Pituitary Gland: Pars Intermedia
 Angiectasis

LESION RATES

OVERALL (a)	1/50 (2%)	0/50 (0%)	0/49 (0%)	1/50 (2%)	2/49 (4%)
POLY-3 RATE (b)	1/44.31	0/41.51	0/40.66	1/44.10	2/43.00
POLY-3 PERCENT (g)	2.3%	0%	0%	2.3%	4.7%
TERMINAL (d)	1/28 (4%)	0/30 (0%)	0/30 (0%)	1/36 (3%)	2/29 (7%)
FIRST INCIDENCE	729 (T)	---	---	729 (T)	729 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.127	P=0.486N	P=0.486N	P=0.705N	P=0.512
POLY 3	P=0.139	P=0.513N	P=0.517N	P=0.760	P=0.489
POLY 1.5	P=0.137	P=0.510N	P=0.513N	P=0.759	P=0.492
POLY 6	P=0.138	P=0.514N	P=0.520N	P=0.759N	P=0.485
LOGISTIC REGRESSION	P=0.127	(e)	(e)	P=0.705N	P=0.512
COCH-ARM / FISHERS	P=0.129	P=0.500N	P=0.505N	P=0.753N	P=0.492
ORDER RESTRICTED	P=0.148	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.162	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

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

DOSE	Males				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

Pituitary Gland: Pars Intermedia Cyst

LESION RATES

OVERALL (a)	1/50 (2%)	1/50 (2%)	2/49 (4%)	1/50 (2%)	1/49 (2%)
POLY-3 RATE (b)	1/44.51	1/41.75	2/41.40	1/44.63	1/43.00
POLY-3 PERCENT (g)	2.3%	2.4%	4.8%	2.2%	2.3%
TERMINAL (d)	0/28 (0%)	0/30 (0%)	0/30 (0%)	0/36 (0%)	1/29 (3%)
FIRST INCIDENCE	679	667	617	570	729 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.565N	P=0.737	P=0.448	P=0.755	P=0.753
POLY 3	P=0.565N	P=0.746	P=0.475	P=0.760N	P=0.753
POLY 1.5	P=0.565N	P=0.750	P=0.480	P=0.760	P=0.755
POLY 6	P=0.569N	P=0.746	P=0.473	P=0.757N	P=0.750
LOGISTIC REGRESSION	P=0.611N	P=0.758N	P=0.548	P=0.739N	P=0.756
COCH-ARM / FISHERS	P=0.572N	P=0.753N	P=0.492	P=0.753N	P=0.747
ORDER RESTRICTED	P=0.678	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.677	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

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

DOSE	Males				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

Preputial Gland Hyperplasia

LESION RATES

OVERALL (a)	1/50 (2%)	1/50 (2%)	2/49 (4%)	0/50 (0%)	1/49 (2%)
POLY-3 RATE (b)	1/44.31	1/41.51	2/40.66	0/44.10	1/43.00
POLY-3 PERCENT (g)	2.3%	2.4%	4.9%	0%	2.3%
TERMINAL (d)	1/28 (4%)	1/30 (3%)	2/30 (7%)	0/36 (0%)	1/29 (3%)
FIRST INCIDENCE	729 (T)	729 (T)	729 (T)	---	729 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.553N	P=0.747N	P=0.524	P=0.450N	P=0.754N
POLY 3	P=0.554N	P=0.746	P=0.470	P=0.501N	P=0.754
POLY 1.5	P=0.554N	P=0.750	P=0.477	P=0.501N	P=0.755
POLY 6	P=0.555N	P=0.745	P=0.464	P=0.498N	P=0.752
LOGISTIC REGRESSION	P=0.553N	P=0.747N	P=0.524	(e)	P=0.754N
COCH-ARM / FISHERS	P=0.559N	P=0.753N	P=0.492	P=0.500N	P=0.747
ORDER RESTRICTED	P=0.462N	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.468N	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

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

DOSE	Males				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

Preputial Gland Inflammation Chronic

LESION RATES

OVERALL (a)	16/50 (32%)	11/50 (22%)	13/49 (27%)	17/50 (34%)	16/49 (33%)
POLY-3 RATE (b)	16/45.14	11/41.80	13/41.84	17/44.47	16/43.92
POLY-3 PERCENT (g)	35.4%	26.3%	31.1%	38.2%	36.4%
TERMINAL (d)	11/28 (39%)	10/30 (33%)	11/30 (37%)	16/36 (44%)	13/29 (45%)
FIRST INCIDENCE	652	652	521	625	605

STATISTICAL TESTS

LIFE TABLE	P=0.272	P=0.156N	P=0.305N	P=0.380N	P=0.573N
POLY 3	P=0.301	P=0.244N	P=0.418N	P=0.478	P=0.550
POLY 1.5	P=0.293	P=0.225N	P=0.398N	P=0.484	P=0.556
POLY 6	P=0.294	P=0.258N	P=0.440N	P=0.481	P=0.531
LOGISTIC REGRESSION	P=0.283	P=0.237N	P=0.442N	P=0.522	P=0.524
COCH-ARM / FISHERS	P=0.256	P=0.184N	P=0.353N	P=0.500	P=0.558
ORDER RESTRICTED	P=0.453	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.459	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

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

DOSE	Males				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

Prostate Inflammation Chronic

LESION RATES

OVERALL (a)	19/50 (38%)	17/50 (34%)	14/49 (29%)	8/50 (16%)	14/49 (29%)
POLY-3 RATE (b)	19/46.08	17/42.27	14/44.16	8/45.72	14/45.29
POLY-3 PERCENT (g)	41.2%	40.2%	31.7%	17.5%	30.9%
TERMINAL (d)	11/28 (39%)	14/30 (47%)	7/30 (23%)	5/36 (14%)	7/29 (24%)
FIRST INCIDENCE	520	629	310	549	557

STATISTICAL TESTS

LIFE TABLE	P=0.212N	P=0.381N	P=0.219N	P=0.005N**	P=0.222N
POLY 3	P=0.175N	P=0.548N	P=0.233N	P=0.010N**	P=0.207N
POLY 1.5	P=0.188N	P=0.507N	P=0.231N	P=0.010N**	P=0.210N
POLY 6	P=0.166N	P=0.577N	P=0.232N	P=0.008N**	P=0.203N
LOGISTIC REGRESSION	P=0.219N	P=0.520N	P=0.190N	P=0.012N*	P=0.217N
COCH-ARM / FISHERS	P=0.223N	P=0.418N	P=0.217N	P=0.012N*	P=0.217N
ORDER RESTRICTED	P=0.055N	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.063N	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

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

DOSE	Males				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

Prostate: Epithelium
 Hyperplasia

LESION RATES

OVERALL (a)	7/50 (14%)	11/50 (22%)	7/49 (14%)	7/50 (14%)	8/49 (16%)
POLY-3 RATE (b)	7/44.51	11/42.17	7/41.01	7/44.18	8/43.66
POLY-3 PERCENT (g)	15.7%	26.1%	17.1%	15.8%	18.3%
TERMINAL (d)	6/28 (21%)	9/30 (30%)	6/30 (20%)	6/36 (17%)	6/29 (21%)
FIRST INCIDENCE	679	580	631	709	543

STATISTICAL TESTS

LIFE TABLE	P=0.486N	P=0.247	P=0.588N	P=0.434N	P=0.520
POLY 3	P=0.479N	P=0.177	P=0.550	P=0.608	P=0.484
POLY 1.5	P=0.485N	P=0.187	P=0.564	P=0.608	P=0.485
POLY 6	P=0.482N	P=0.174	P=0.540	P=0.612N	P=0.478
LOGISTIC REGRESSION	P=0.485N	P=0.168	P=0.532	P=0.563N	P=0.466
COCH-ARM / FISHERS	P=0.510N	P=0.218	P=0.597	P=0.613N	P=0.483
ORDER RESTRICTED	P=0.559N	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.560N	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

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 Lab: SRI

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

DOSE	Males				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

Salivary Glands Atrophy

LESION RATES

OVERALL (a)	3/50 (6%)	1/50 (2%)	2/49 (4%)	4/49 (8%)	3/49 (6%)
POLY-3 RATE (b)	3/44.46	1/41.51	2/40.66	4/43.10	3/43.69
POLY-3 PERCENT (g)	6.8%	2.4%	4.9%	9.3%	6.9%
TERMINAL (d)	2/28 (7%)	1/30 (3%)	2/30 (7%)	4/35 (11%)	1/29 (3%)
FIRST INCIDENCE	693	729 (T)	729 (T)	729 (T)	587

STATISTICAL TESTS

LIFE TABLE	P=0.376	P=0.293N	P=0.486N	P=0.610	P=0.656
POLY 3	P=0.398	P=0.330N	P=0.541N	P=0.483	P=0.655
POLY 1.5	P=0.389	P=0.323N	P=0.531N	P=0.484	P=0.654
POLY 6	P=0.402	P=0.333N	P=0.549N	P=0.488	P=0.654
LOGISTIC REGRESSION	P=0.379	P=0.326N	P=0.544N	P=0.523	P=0.654
COCH-ARM / FISHERS	P=0.364	P=0.309N	P=0.510N	P=0.489	P=0.651
ORDER RESTRICTED	P=0.433	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.439	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Sodium dichromate dihydrate (VI)
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STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344) TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

Salivary Glands Necrosis

LESION RATES

OVERALL (a)	0/50 (0%)	0/50 (0%)	1/49 (2%)	0/49 (0%)	2/49 (4%)
POLY-3 RATE (b)	0/44.31	0/41.51	1/41.01	0/43.10	2/43.75
POLY-3 PERCENT (g)	0%	0%	2.4%	0%	4.6%
TERMINAL (d)	0/28 (0%)	0/30 (0%)	0/30 (0%)	0/35 (0%)	0/29 (0%)
FIRST INCIDENCE	---	---	631	---	609

STATISTICAL TESTS

LIFE TABLE	P=0.083	(e)	P=0.477	(e)	P=0.222
POLY 3	P=0.083	(e)	P=0.485	(e)	P=0.234
POLY 1.5	P=0.082	(e)	P=0.488	(e)	P=0.234
POLY 6	P=0.083	(e)	P=0.483	(e)	P=0.234
LOGISTIC REGRESSION	P=0.052	(e)	P=0.538	(e)	P=0.191
COCH-ARM / FISHERS	P=0.079	(e)	P=0.495	(e)	P=0.242
ORDER RESTRICTED	P=0.048*	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.056	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
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STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344) TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

Skin
 Cyst Epithelial Inclusion

LESION RATES

OVERALL (a)	5/50 (10%)	3/50 (6%)	2/49 (4%)	3/50 (6%)	6/49 (12%)
POLY-3 RATE (b)	5/44.60	3/42.15	2/40.66	3/44.10	6/43.69
POLY-3 PERCENT (g)	11.2%	7.1%	4.9%	6.8%	13.7%
TERMINAL (d)	2/28 (7%)	1/30 (3%)	2/30 (7%)	3/36 (8%)	3/29 (10%)
FIRST INCIDENCE	679	629	729 (T)	729 (T)	640

STATISTICAL TESTS

LIFE TABLE	P=0.187	P=0.376N	P=0.222N	P=0.258N	P=0.484
POLY 3	P=0.201	P=0.387N	P=0.254N	P=0.362N	P=0.486
POLY 1.5	P=0.196	P=0.380N	P=0.245N	P=0.362N	P=0.487
POLY 6	P=0.201	P=0.387N	P=0.263N	P=0.358N	P=0.483
LOGISTIC REGRESSION	P=0.193	P=0.380N	P=0.257N	P=0.339N	P=0.479
COCH-ARM / FISHERS	P=0.180	P=0.357N	P=0.226N	P=0.357N	P=0.486
ORDER RESTRICTED	P=0.260	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.270	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Sodium dichromate dihydrate (VI)
CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
Time Report Requested: 10:38:19
First Dose M/F: 10/02/02 / 10/02/02
Lab: SRI

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

DOSE	Males				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L
Skin Hyperkeratosis					
LESION RATES					
OVERALL (a)	5/50 (10%)	2/50 (4%)	1/49 (2%)	4/50 (8%)	1/49 (2%)
POLY-3 RATE (b)	5/44.55	2/41.51	1/40.66	4/44.14	1/43.43
POLY-3 PERCENT (g)	11.2%	4.8%	2.5%	9.1%	2.3%
TERMINAL (d)	4/28 (14%)	2/30 (7%)	1/30 (3%)	3/36 (8%)	0/29 (0%)
FIRST INCIDENCE	666	729 (T)	729 (T)	721	605
.....					
STATISTICAL TESTS					
LIFE TABLE	P=0.217N	P=0.200N	P=0.098N	P=0.371N	P=0.106N
POLY 3	P=0.202N	P=0.245N	P=0.123N	P=0.506N	P=0.107N
POLY 1.5	P=0.209N	P=0.237N	P=0.118N	P=0.505N	P=0.106N
POLY 6	P=0.199N	P=0.249N	P=0.128N	P=0.500N	P=0.108N
LOGISTIC REGRESSION	P=0.218N	P=0.240N	P=0.126N	P=0.477N	P=0.108N
COCH-ARM / FISHERS	P=0.228N	P=0.218N	P=0.107N	P=0.500N	P=0.107N
ORDER RESTRICTED	P=0.057N	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.067N	(e)	(e)	(e)	(e)
.....					

TDMS No. 20114 - 07
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Sodium dichromate dihydrate (VI)
CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
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Lab: SRI

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

DOSE	Males				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

Spleen
Accessory Spleen

LESION RATES

OVERALL (a)	1/50 (2%)	0/50 (0%)	2/49 (4%)	1/50 (2%)	0/49 (0%)
POLY-3 RATE (b)	1/44.51	0/41.51	2/41.34	1/44.10	0/43.00
POLY-3 PERCENT (g)	2.3%	0%	4.8%	2.3%	0%
TERMINAL (d)	0/28 (0%)	0/30 (0%)	1/30 (3%)	1/36 (3%)	0/29 (0%)
FIRST INCIDENCE	677	---	501	729 (T)	---

STATISTICAL TESTS

LIFE TABLE	P=0.344N	P=0.526N	P=0.477	P=0.739N	P=0.526N
POLY 3	P=0.342N	P=0.514N	P=0.474	P=0.759	P=0.507N
POLY 1.5	P=0.343N	P=0.510N	P=0.480	P=0.759	P=0.505N
POLY 6	P=0.344N	P=0.516N	P=0.470	P=0.761N	P=0.510N
LOGISTIC REGRESSION	P=0.367N	P=0.496N	P=0.558	P=0.762	P=0.505N
COCH-ARM / FISHERS	P=0.351N	P=0.500N	P=0.492	P=0.753N	P=0.505N
ORDER RESTRICTED	P=0.357N	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.368N	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

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

DOSE	Males				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

Spleen Fibrosis

LESION RATES

OVERALL (a)	2/50 (4%)	3/50 (6%)	2/49 (4%)	1/50 (2%)	0/49 (0%)
POLY-3 RATE (b)	2/44.47	3/41.67	2/40.89	1/44.10	0/43.00
POLY-3 PERCENT (g)	4.5%	7.2%	4.9%	2.3%	0%
TERMINAL (d)	1/28 (4%)	1/30 (3%)	1/30 (3%)	1/36 (3%)	0/29 (0%)
FIRST INCIDENCE	689	706	667	729 (T)	---

STATISTICAL TESTS

LIFE TABLE	P=0.089N	P=0.507	P=0.675	P=0.433N	P=0.242N
POLY 3	P=0.090N	P=0.470	P=0.664	P=0.503N	P=0.245N
POLY 1.5	P=0.090N	P=0.478	P=0.670	P=0.503N	P=0.243N
POLY 6	P=0.091N	P=0.468	P=0.659	P=0.499N	P=0.248N
LOGISTIC REGRESSION	P=0.088N	P=0.469	P=0.667	P=0.496N	P=0.245N
COCH-ARM / FISHERS	P=0.092N	P=0.500	P=0.684	P=0.500N	P=0.253N
ORDER RESTRICTED	P=0.121N	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.134N	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
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 Species/Strain: RATS/F 344

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

DOSE	Males				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

Spleen Hematopoietic Cell Proliferation

LESION RATES

OVERALL (a)	18/50 (36%)	25/50 (50%)	20/49 (41%)	20/50 (40%)	16/49 (33%)
POLY-3 RATE (b)	18/45.14	25/47.65	20/41.96	20/45.20	16/44.52
POLY-3 PERCENT (g)	39.9%	52.5%	47.7%	44.3%	35.9%
TERMINAL (d)	12/28 (43%)	13/30 (43%)	16/30 (53%)	18/36 (50%)	9/29 (31%)
FIRST INCIDENCE	639	337	560	520	543

STATISTICAL TESTS

LIFE TABLE	P=0.137N	P=0.158	P=0.447	P=0.419N	P=0.420N
POLY 3	P=0.131N	P=0.153	P=0.300	P=0.417	P=0.433N
POLY 1.5	P=0.131N	P=0.131	P=0.325	P=0.415	P=0.436N
POLY 6	P=0.140N	P=0.193	P=0.281	P=0.430	P=0.434N
LOGISTIC REGRESSION	P=0.126N	P=0.134	P=0.256	P=0.413	P=0.468N
COCH-ARM / FISHERS	P=0.145N	P=0.113	P=0.387	P=0.418	P=0.445N
ORDER RESTRICTED	P=0.253N	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.231N	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

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 Lab: SRI

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

DOSE	Males				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

Spleen
 Infiltration Cellular Mixed Cell

LESION RATES

OVERALL (a)	0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/49 (0%)
POLY-3 RATE (b)	0/44.31	0/41.51	0/40.66	0/44.10	0/43.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%
TERMINAL (d)	0/28 (0%)	0/30 (0%)	0/30 (0%)	0/36 (0%)	0/29 (0%)
FIRST INCIDENCE	---	---	---	---	---

STATISTICAL TESTS

LIFE TABLE	(e)	(e)	(e)	(e)	(e)
POLY 3	(e)	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)	(e)
LOGISTIC REGRESSION	(e)	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)	(e)
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

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

DOSE	Males				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L
Spleen Necrosis					
LESION RATES					
OVERALL (a)	4/50 (8%)	0/50 (0%)	4/49 (8%)	2/50 (4%)	0/49 (0%)
POLY-3 RATE (b)	4/44.63	0/41.51	4/42.63	2/45.36	0/43.00
POLY-3 PERCENT (g)	9%	0%	9.4%	4.4%	0%
TERMINAL (d)	2/28 (7%)	0/30 (0%)	1/30 (3%)	0/36 (0%)	0/29 (0%)
FIRST INCIDENCE	684	---	272	399	---
.....					
STATISTICAL TESTS					
LIFE TABLE	P=0.097N	P=0.065N	P=0.623	P=0.301N	P=0.067N
POLY 3	P=0.087N	P=0.070N	P=0.618	P=0.329N	P=0.065N
POLY 1.5	P=0.089N	P=0.067N	P=0.622	P=0.333N	P=0.064N
POLY 6	P=0.087N	P=0.071N	P=0.616	P=0.321N	P=0.067N
LOGISTIC REGRESSION	P=0.145N	P=0.071N	P=0.524N	P=0.295N	P=0.067N
COCH-ARM / FISHERS	P=0.099N	P=0.059N	P=0.631	P=0.339N	P=0.061N
ORDER RESTRICTED	P=0.031N*	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.039N*	(e)	(e)	(e)	(e)
.....					

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

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

DOSE	Males				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

Spleen
 Pigmentation

LESION RATES

OVERALL (a)	3/50 (6%)	2/50 (4%)	1/49 (2%)	0/50 (0%)	3/49 (6%)
POLY-3 RATE (b)	3/44.85	2/41.74	1/40.83	0/44.10	3/44.02
POLY-3 PERCENT (g)	6.7%	4.8%	2.5%	0%	6.8%
TERMINAL (d)	0/28 (0%)	0/30 (0%)	0/30 (0%)	0/36 (0%)	0/29 (0%)
FIRST INCIDENCE	639	688	686	---	587

STATISTICAL TESTS

LIFE TABLE	P=0.435	P=0.531N	P=0.356N	P=0.116N	P=0.633
POLY 3	P=0.448	P=0.533N	P=0.339N	P=0.122N	P=0.654
POLY 1.5	P=0.442	P=0.523N	P=0.331N	P=0.121N	P=0.654
POLY 6	P=0.451	P=0.538N	P=0.347N	P=0.121N	P=0.652
LOGISTIC REGRESSION	P=0.409	P=0.509N	P=0.309N	P=0.118N	P=0.641
COCH-ARM / FISHERS	P=0.426	P=0.500N	P=0.316N	P=0.121N	P=0.651
ORDER RESTRICTED	P=0.339N	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.347N	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

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 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

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

DOSE	Males				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

Spleen: Lymphoid Follicle
 Atrophy

LESION RATES

OVERALL (a)	1/50 (2%)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/49 (0%)
POLY-3 RATE (b)	1/44.47	0/41.51	0/40.66	0/44.10	0/43.00
POLY-3 PERCENT (g)	2.3%	0%	0%	0%	0%
TERMINAL (d)	0/28 (0%)	0/30 (0%)	0/30 (0%)	0/36 (0%)	0/29 (0%)
FIRST INCIDENCE	689	---	---	---	---

STATISTICAL TESTS

LIFE TABLE	P=0.539N	P=0.517N	P=0.530N	P=0.484N	P=0.511N
POLY 3	P=0.531N	P=0.514N	P=0.518N	P=0.502N	P=0.507N
POLY 1.5	P=0.535N	P=0.510N	P=0.513N	P=0.502N	P=0.505N
POLY 6	P=0.528N	P=0.516N	P=0.522N	P=0.500N	P=0.510N
LOGISTIC REGRESSION	P=0.543N	P=0.504N	P=0.508N	P=0.499N	P=0.504N
COCH-ARM / FISHERS	P=0.544N	P=0.500N	P=0.505N	P=0.500N	P=0.505N
ORDER RESTRICTED	P=0.096N	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.108N	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

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

DOSE	Males				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

Spleen: Lymphoid Follicle
 Hyperplasia

LESION RATES

OVERALL (a)	0/50 (0%)	1/50 (2%)	0/49 (0%)	0/50 (0%)	0/49 (0%)
POLY-3 RATE (b)	0/44.31	1/41.51	0/40.66	0/44.10	0/43.00
POLY-3 PERCENT (g)	0%	2.4%	0%	0%	0%
TERMINAL (d)	0/28 (0%)	1/30 (3%)	0/30 (0%)	0/36 (0%)	0/29 (0%)
FIRST INCIDENCE	---	729 (T)	---	---	---

STATISTICAL TESTS

LIFE TABLE	P=0.572N	P=0.514	(e)	(e)	(e)
POLY 3	P=0.581N	P=0.487	(e)	(e)	(e)
POLY 1.5	P=0.579N	P=0.490	(e)	(e)	(e)
POLY 6	P=0.580N	P=0.486	(e)	(e)	(e)
LOGISTIC REGRESSION	(e)	P=0.514	(e)	(e)	(e)
COCH-ARM / FISHERS	P=0.574N	P=0.500	(e)	(e)	(e)
ORDER RESTRICTED	P=0.365N	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.375N	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

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

DOSE	Males				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

Stomach, Forestomach
 Edema

LESION RATES

OVERALL (a)	3/50 (6%)	0/50 (0%)	0/49 (0%)	3/50 (6%)	3/49 (6%)
POLY-3 RATE (b)	3/45.09	0/41.51	0/40.66	3/44.46	3/44.06
POLY-3 PERCENT (g)	6.7%	0%	0%	6.8%	6.8%
TERMINAL (d)	0/28 (0%)	0/30 (0%)	0/30 (0%)	2/36 (6%)	0/29 (0%)
FIRST INCIDENCE	587	---	---	629	587

STATISTICAL TESTS

LIFE TABLE	P=0.184	P=0.140N	P=0.148N	P=0.621N	P=0.641
POLY 3	P=0.198	P=0.134N	P=0.138N	P=0.656	P=0.652
POLY 1.5	P=0.190	P=0.129N	P=0.133N	P=0.657	P=0.653
POLY 6	P=0.203	P=0.137N	P=0.144N	P=0.659	P=0.649
LOGISTIC REGRESSION	P=0.148	P=0.098N	P=0.101N	P=0.654N	P=0.630
COCH-ARM / FISHERS	P=0.171	P=0.121N	P=0.125N	P=0.661N	P=0.651
ORDER RESTRICTED	P=0.243	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.254	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

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

DOSE	Males				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

Stomach, Forestomach
 Ulcer

LESION RATES

OVERALL (a)	1/50 (2%)	3/50 (6%)	3/49 (6%)	2/50 (4%)	1/49 (2%)
POLY-3 RATE (b)	1/44.79	3/42.22	3/41.85	2/44.46	1/43.42
POLY-3 PERCENT (g)	2.2%	7.1%	7.2%	4.5%	2.3%
TERMINAL (d)	0/28 (0%)	0/30 (0%)	0/30 (0%)	1/36 (3%)	0/29 (0%)
FIRST INCIDENCE	587	559	501	629	609

STATISTICAL TESTS

LIFE TABLE	P=0.323N	P=0.298	P=0.274	P=0.511	P=0.753
POLY 3	P=0.326N	P=0.284	P=0.281	P=0.497	P=0.754
POLY 1.5	P=0.325N	P=0.289	P=0.286	P=0.497	P=0.755
POLY 6	P=0.330N	P=0.283	P=0.279	P=0.502	P=0.751
LOGISTIC REGRESSION	P=0.388N	P=0.358	P=0.412	P=0.525	P=0.707
COCH-ARM / FISHERS	P=0.329N	P=0.309	P=0.301	P=0.500	P=0.747
ORDER RESTRICTED	P=0.418N	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.427N	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

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

DOSE	Males				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

Stomach, Forestomach: Epithelium
 Hyperplasia

LESION RATES

OVERALL (a)	1/50 (2%)	2/50 (4%)	2/49 (4%)	5/50 (10%)	1/49 (2%)
POLY-3 RATE (b)	1/44.47	2/41.74	2/40.98	5/45.03	1/43.21
POLY-3 PERCENT (g)	2.3%	4.8%	4.9%	11.1%	2.3%
TERMINAL (d)	0/28 (0%)	0/30 (0%)	1/30 (3%)	3/36 (8%)	0/29 (0%)
FIRST INCIDENCE	689	688	640	549	673

STATISTICAL TESTS

LIFE TABLE	P=0.513N	P=0.483	P=0.471	P=0.138	P=0.743
POLY 3	P=0.505N	P=0.478	P=0.472	P=0.104	P=0.754
POLY 1.5	P=0.507N	P=0.484	P=0.478	P=0.102	P=0.755
POLY 6	P=0.510N	P=0.476	P=0.467	P=0.109	P=0.752
LOGISTIC REGRESSION	P=0.524N	P=0.486	P=0.490	P=0.107	P=0.758
COCH-ARM / FISHERS	P=0.521N	P=0.500	P=0.492	P=0.102	P=0.747
ORDER RESTRICTED	P=0.283	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.294	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

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

DOSE	Males				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L
Stomach, Glandular Erosion					
LESION RATES					
OVERALL (a)	8/50 (16%)	4/50 (8%)	6/49 (12%)	5/50 (10%)	2/49 (4%)
POLY-3 RATE (b)	8/46.52	4/42.48	6/42.75	5/45.35	2/43.89
POLY-3 PERCENT (g)	17.2%	9.4%	14%	11%	4.6%
TERMINAL (d)	0/28 (0%)	0/30 (0%)	1/30 (3%)	2/36 (6%)	0/29 (0%)
FIRST INCIDENCE	482	584	501	549	587
STATISTICAL TESTS					
LIFE TABLE	P=0.077N	P=0.228N	P=0.469N	P=0.266N	P=0.065N
POLY 3	P=0.067N	P=0.223N	P=0.453N	P=0.292N	P=0.055N
POLY 1.5	P=0.068N	P=0.209N	P=0.437N	P=0.288N	P=0.052N
POLY 6	P=0.070N	P=0.233N	P=0.467N	P=0.292N	P=0.060N
LOGISTIC REGRESSION	P=0.104N	P=0.121N	P=0.266N	P=0.232N	P=0.047N*
COCH-ARM / FISHERS	P=0.075N	P=0.178N	P=0.403N	P=0.277N	P=0.049N*
ORDER RESTRICTED	P=0.040N*	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.052N	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

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

DOSE	Males				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

Stomach, Glandular Hyperplasia

LESION RATES

OVERALL (a)	8/50 (16%)	4/50 (8%)	9/49 (18%)	12/50 (24%)	12/49 (24%)
POLY-3 RATE (b)	8/45.85	4/41.58	9/43.18	12/45.64	12/44.11
POLY-3 PERCENT (g)	17.5%	9.6%	20.9%	26.3%	27.2%
TERMINAL (d)	2/28 (7%)	3/30 (10%)	4/30 (13%)	8/36 (22%)	8/29 (28%)
FIRST INCIDENCE	484	713	272	399	617

STATISTICAL TESTS

LIFE TABLE	P=0.068	P=0.193N	P=0.452	P=0.362	P=0.230
POLY 3	P=0.062	P=0.227N	P=0.445	P=0.220	P=0.194
POLY 1.5	P=0.060	P=0.210N	P=0.457	P=0.222	P=0.203
POLY 6	P=0.060	P=0.241N	P=0.436	P=0.222	P=0.181
LOGISTIC REGRESSION	P=0.049*	P=0.186N	P=0.597	P=0.236	P=0.212
COCH-ARM / FISHERS	P=0.053	P=0.178N	P=0.482	P=0.227	P=0.212
ORDER RESTRICTED	P=0.084	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.097	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

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

DOSE	Males				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L
Stomach, Glandular Ulcer					
LESION RATES					
OVERALL (a)	1/50 (2%)	3/50 (6%)	1/49 (2%)	1/50 (2%)	0/49 (0%)
POLY-3 RATE (b)	1/44.79	3/42.32	1/41.01	1/44.14	0/43.00
POLY-3 PERCENT (g)	2.2%	7.1%	2.4%	2.3%	0%
TERMINAL (d)	0/28 (0%)	0/30 (0%)	0/30 (0%)	0/36 (0%)	0/29 (0%)
FIRST INCIDENCE	587	584	631	721	---
STATISTICAL TESTS					
LIFE TABLE	P=0.156N	P=0.285	P=0.735	P=0.745N	P=0.500N
POLY 3	P=0.159N	P=0.285	P=0.741	P=0.757	P=0.508N
POLY 1.5	P=0.159N	P=0.290	P=0.746	P=0.758	P=0.506N
POLY 6	P=0.161N	P=0.285	P=0.737	P=0.759	P=0.512N
LOGISTIC REGRESSION	P=0.174N	P=0.366	P=0.712N	P=0.751N	P=0.586N
COCH-ARM / FISHERS	P=0.159N	P=0.309	P=0.747	P=0.753N	P=0.505N
ORDER RESTRICTED	P=0.155N	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.171N	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Sodium dichromate dihydrate (VI)
CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
Time Report Requested: 10:38:19
First Dose M/F: 10/02/02 / 10/02/02
Lab: SRI

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

DOSE	Males				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

Testes: Germinal Epithelium
Atrophy

LESION RATES

OVERALL (a)	5/50 (10%)	4/50 (8%)	6/49 (12%)	4/50 (8%)	8/49 (16%)
POLY-3 RATE (b)	5/44.31	4/41.97	6/41.33	4/44.10	8/44.22
POLY-3 PERCENT (g)	11.3%	9.5%	14.5%	9.1%	18.1%
TERMINAL (d)	5/28 (18%)	2/30 (7%)	4/30 (13%)	4/36 (11%)	5/29 (17%)
FIRST INCIDENCE	729 (T)	617	579	729 (T)	587

STATISTICAL TESTS

LIFE TABLE	P=0.159	P=0.474N	P=0.525	P=0.343N	P=0.286
POLY 3	P=0.173	P=0.534N	P=0.451	P=0.503N	P=0.273
POLY 1.5	P=0.167	P=0.526N	P=0.460	P=0.504N	P=0.270
POLY 6	P=0.176	P=0.533N	P=0.448	P=0.494N	P=0.276
LOGISTIC REGRESSION	P=0.164	P=0.543N	P=0.432	P=0.343N	P=0.259
COCH-ARM / FISHERS	P=0.150	P=0.500N	P=0.486	P=0.500N	P=0.264
ORDER RESTRICTED	P=0.230	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.240	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

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

DOSE	Males				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

Testes: Interstitial Cell
 Hyperplasia

LESION RATES

OVERALL (a)	4/50 (8%)	5/50 (10%)	3/49 (6%)	4/50 (8%)	4/49 (8%)
POLY-3 RATE (b)	4/44.51	5/42.40	3/41.50	4/44.10	4/44.06
POLY-3 PERCENT (g)	9%	11.8%	7.2%	9.1%	9.1%
TERMINAL (d)	3/28 (11%)	3/30 (10%)	1/30 (3%)	4/36 (11%)	1/29 (3%)
FIRST INCIDENCE	679	580	503	729 (T)	595

STATISTICAL TESTS

LIFE TABLE	P=0.555N	P=0.509	P=0.510N	P=0.520N	P=0.628
POLY 3	P=0.547N	P=0.470	P=0.538N	P=0.639	P=0.638
POLY 1.5	P=0.554N	P=0.476	P=0.531N	P=0.639	P=0.636
POLY 6	P=0.544N	P=0.472	P=0.543N	P=0.644N	P=0.640
LOGISTIC REGRESSION	P=0.573N	P=0.478	P=0.511N	P=0.617N	P=0.633
COCH-ARM / FISHERS	P=0.573N	P=0.500	P=0.511N	P=0.643N	P=0.631
ORDER RESTRICTED	P=0.643N	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.640N	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

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

DOSE	Males				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

Thymus
 Atrophy

LESION RATES

OVERALL (a)	0/48 (0%)	1/50 (2%)	1/46 (2%)	0/49 (0%)	1/47 (2%)
POLY-3 RATE (b)	0/42.31	1/42.01	1/38.04	0/43.10	1/41.50
POLY-3 PERCENT (g)	0%	2.4%	2.6%	0%	2.4%
TERMINAL (d)	0/26 (0%)	0/30 (0%)	0/28 (0%)	0/35 (0%)	0/28 (0%)
FIRST INCIDENCE	---	580	686	---	636

STATISTICAL TESTS

LIFE TABLE	P=0.551	P=0.487	P=0.471	(e)	P=0.481
POLY 3	P=0.545	P=0.499	P=0.479	(e)	P=0.496
POLY 1.5	P=0.545	P=0.500	P=0.482	(e)	P=0.496
POLY 6	P=0.545	P=0.500	P=0.477	(e)	P=0.496
LOGISTIC REGRESSION	P=0.505	P=0.601	P=0.489	(e)	P=0.473
COCH-ARM / FISHERS	P=0.542	P=0.510	P=0.489	(e)	P=0.495
ORDER RESTRICTED	P=0.307	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.314	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

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

DOSE	Males				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

Thyroid Gland Ultimobranchial Cyst

LESION RATES

OVERALL (a)	0/50 (0%)	0/50 (0%)	1/49 (2%)	0/50 (0%)	2/49 (4%)
POLY-3 RATE (b)	0/44.31	0/41.51	1/40.66	0/44.10	2/43.71
POLY-3 PERCENT (g)	0%	0%	2.5%	0%	4.6%
TERMINAL (d)	0/28 (0%)	0/30 (0%)	1/30 (3%)	0/36 (0%)	0/29 (0%)
FIRST INCIDENCE	---	---	729 (T)	---	557

STATISTICAL TESTS

LIFE TABLE	P=0.084	(e)	P=0.514	(e)	P=0.236
POLY 3	P=0.082	(e)	P=0.483	(e)	P=0.234
POLY 1.5	P=0.081	(e)	P=0.487	(e)	P=0.234
POLY 6	P=0.082	(e)	P=0.480	(e)	P=0.233
LOGISTIC REGRESSION	P=0.068	(e)	P=0.514	(e)	P=0.191
COCH-ARM / FISHERS	P=0.079	(e)	P=0.495	(e)	P=0.242
ORDER RESTRICTED	P=0.048*	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.055	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

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

DOSE	Males				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

Thyroid Gland: C-Cell
 Hyperplasia

LESION RATES

OVERALL (a)	11/50 (22%)	13/50 (26%)	18/49 (37%)	14/50 (28%)	5/49 (10%)
POLY-3 RATE (b)	11/46.01	13/42.33	18/42.30	14/45.16	5/43.38
POLY-3 PERCENT (g)	23.9%	30.7%	42.6%	31%	11.5%
TERMINAL (d)	5/28 (18%)	11/30 (37%)	15/30 (50%)	12/36 (33%)	3/29 (10%)
FIRST INCIDENCE	484	595	521	520	673

STATISTICAL TESTS

LIFE TABLE	P=0.012N*	P=0.432	P=0.113	P=0.523	P=0.100N
POLY 3	P=0.011N*	P=0.316	P=0.047*	P=0.300	P=0.104N
POLY 1.5	P=0.011N*	P=0.343	P=0.057	P=0.307	P=0.098N
POLY 6	P=0.012N*	P=0.297	P=0.039*	P=0.300	P=0.113N
LOGISTIC REGRESSION	P=0.012N*	P=0.359	P=0.066	P=0.321	P=0.093N
COCH-ARM / FISHERS	P=0.015N*	P=0.408	P=0.082	P=0.322	P=0.093N
ORDER RESTRICTED	P=0.017N*	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.020N*	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

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

DOSE	Males				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

Thyroid Gland: Follicle
 Cyst

LESION RATES

OVERALL (a)	1/50 (2%)	1/50 (2%)	0/49 (0%)	0/50 (0%)	2/49 (4%)
POLY-3 RATE (b)	1/44.51	1/41.51	0/40.66	0/44.10	2/43.00
POLY-3 PERCENT (g)	2.3%	2.4%	0%	0%	4.7%
TERMINAL (d)	0/28 (0%)	1/30 (3%)	0/30 (0%)	0/36 (0%)	2/29 (7%)
FIRST INCIDENCE	679	729 (T)	---	---	729 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.238	P=0.756	P=0.545N	P=0.505N	P=0.496
POLY 3	P=0.245	P=0.745	P=0.518N	P=0.502N	P=0.488
POLY 1.5	P=0.244	P=0.749	P=0.514N	P=0.502N	P=0.491
POLY 6	P=0.245	P=0.743	P=0.522N	P=0.500N	P=0.482
LOGISTIC REGRESSION	P=0.242	P=0.750	P=0.501N	P=0.497N	P=0.486
COCH-ARM / FISHERS	P=0.237	P=0.753N	P=0.505N	P=0.500N	P=0.492
ORDER RESTRICTED	P=0.190	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.203	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Sodium dichromate dihydrate (VI)
CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
Time Report Requested: 10:38:19
First Dose M/F: 10/02/02 / 10/02/02
Lab: SRI

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

DOSE	Males				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

Tongue
Granuloma

LESION RATES

OVERALL (a)	0/49 (0%)	0/50 (0%)	0/47 (0%)	0/49 (0%)	0/48 (0%)
POLY-3 RATE (b)	0/43.32	0/41.51	0/38.66	0/43.10	0/42.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%
TERMINAL (d)	0/28 (0%)	0/30 (0%)	0/28 (0%)	0/35 (0%)	0/28 (0%)
FIRST INCIDENCE	---	---	---	---	---

STATISTICAL TESTS

LIFE TABLE	(e)	(e)	(e)	(e)	(e)
POLY 3	(e)	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)	(e)
LOGISTIC REGRESSION	(e)	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)	(e)
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

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

DOSE	Males				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

Tongue
 Inflammation Chronic

LESION RATES

OVERALL (a)	2/49 (4%)	5/50 (10%)	6/47 (13%)	6/49 (12%)	3/48 (6%)
POLY-3 RATE (b)	2/43.32	5/41.68	6/38.66	6/43.94	3/42.00
POLY-3 PERCENT (g)	4.6%	12%	15.5%	13.7%	7.1%
TERMINAL (d)	2/28 (7%)	4/30 (13%)	6/28 (21%)	5/35 (14%)	3/28 (11%)
FIRST INCIDENCE	729 (T)	687	729 (T)	399	729 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.424N	P=0.239	P=0.128	P=0.205	P=0.500
POLY 3	P=0.417N	P=0.200	P=0.097	P=0.136	P=0.486
POLY 1.5	P=0.418N	P=0.206	P=0.105	P=0.135	P=0.489
POLY 6	P=0.425N	P=0.198	P=0.091	P=0.142	P=0.480
LOGISTIC REGRESSION	P=0.413N	P=0.205	P=0.128	P=0.135	P=0.500
COCH-ARM / FISHERS	P=0.432N	P=0.226	P=0.121	P=0.134	P=0.490
ORDER RESTRICTED	P=0.220	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.232	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Sodium dichromate dihydrate (VI)
CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
Time Report Requested: 10:38:19
First Dose M/F: 10/02/02 / 10/02/02
Lab: SRI

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

DOSE	Males				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L
Tongue Ulcer					
LESION RATES					
OVERALL (a)	0/49 (0%)	0/50 (0%)	0/47 (0%)	0/49 (0%)	0/48 (0%)
POLY-3 RATE (b)	0/43.32	0/41.51	0/38.66	0/43.10	0/42.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%
TERMINAL (d)	0/28 (0%)	0/30 (0%)	0/28 (0%)	0/35 (0%)	0/28 (0%)
FIRST INCIDENCE	---	---	---	---	---
STATISTICAL TESTS					
LIFE TABLE	(e)	(e)	(e)	(e)	(e)
POLY 3	(e)	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)	(e)
LOGISTIC REGRESSION	(e)	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)	(e)
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Sodium dichromate dihydrate (VI)
CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
Time Report Requested: 10:38:19
First Dose M/F: 10/02/02 / 10/02/02
Lab: SRI

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

DOSE	Males				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

Tongue: Epithelium
Hyperplasia

LESION RATES

OVERALL (a)	2/49 (4%)	0/50 (0%)	0/47 (0%)	2/49 (4%)	1/48 (2%)
POLY-3 RATE (b)	2/43.32	0/41.51	0/38.66	2/43.10	1/42.00
POLY-3 PERCENT (g)	4.6%	0%	0%	4.6%	2.4%
TERMINAL (d)	2/28 (7%)	0/30 (0%)	0/28 (0%)	2/35 (6%)	1/28 (4%)
FIRST INCIDENCE	729 (T)	---	---	729 (T)	729 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.565	P=0.223N	P=0.238N	P=0.613N	P=0.500N
POLY 3	P=0.585	P=0.247N	P=0.263N	P=0.692	P=0.511N
POLY 1.5	P=0.580	P=0.243N	P=0.258N	P=0.692	P=0.509N
POLY 6	P=0.584	P=0.247N	P=0.267N	P=0.691N	P=0.515N
LOGISTIC REGRESSION	P=0.565	(e)	(e)	P=0.613N	P=0.500N
COCH-ARM / FISHERS	P=0.561	P=0.242N	P=0.258N	P=0.691N	P=0.508N
ORDER RESTRICTED	P=0.341N	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.351N	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

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

DOSE	Females				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

Adrenal Cortex
 Accessory Adrenal Cortical Nodule

LESION RATES

OVERALL (a)	6/50 (12%)	9/50 (18%)	10/50 (20%)	6/50 (12%)	8/50 (16%)
POLY-3 RATE (b)	6/45.55	9/44.79	10/45.13	6/44.27	8/43.21
POLY-3 PERCENT (g)	13.2%	20.1%	22.2%	13.6%	18.5%
TERMINAL (d)	3/33 (9%)	7/32 (22%)	7/32 (22%)	4/36 (11%)	6/31 (19%)
FIRST INCIDENCE	489	554	571	567	667

STATISTICAL TESTS

LIFE TABLE	P=0.543	P=0.276	P=0.202	P=0.594N	P=0.351
POLY 3	P=0.538	P=0.274	P=0.198	P=0.601	P=0.345
POLY 1.5	P=0.556	P=0.279	P=0.201	P=0.605	P=0.361
POLY 6	P=0.522	P=0.269	P=0.196	P=0.603	P=0.330
LOGISTIC REGRESSION	P=0.549N	P=0.295	P=0.208	P=0.592N	P=0.376
COCH-ARM / FISHERS	P=0.539N	P=0.288	P=0.207	P=0.620N	P=0.387
ORDER RESTRICTED	P=0.436	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.450	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

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

DOSE	Females				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

**Adrenal Cortex
 Degeneration Fatty**

LESION RATES

OVERALL (a)	12/50 (24%)	12/50 (24%)	17/50 (34%)	14/50 (28%)	20/50 (40%)
POLY-3 RATE (b)	12/45.43	12/44.90	17/45.62	14/44.09	20/45.64
POLY-3 PERCENT (g)	26.4%	26.7%	37.3%	31.8%	43.8%
TERMINAL (d)	6/33 (18%)	8/32 (25%)	11/32 (34%)	11/36 (31%)	12/31 (39%)
FIRST INCIDENCE	618	605	554	618	461

STATISTICAL TESTS

LIFE TABLE	P=0.043*	P=0.554	P=0.191	P=0.467	P=0.064
POLY 3	P=0.045*	P=0.581	P=0.186	P=0.373	P=0.061
POLY 1.5	P=0.046*	P=0.584	P=0.187	P=0.384	P=0.062
POLY 6	P=0.046*	P=0.576	P=0.185	P=0.369	P=0.061
LOGISTIC REGRESSION	P=0.040*	P=0.582	P=0.185	P=0.381	P=0.063
COCH-ARM / FISHERS	P=0.048*	P=0.592N	P=0.189	P=0.410	P=0.066
ORDER RESTRICTED	P=0.055	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.064	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

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

DOSE	Females				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

Adrenal Cortex Hyperplasia Focal

LESION RATES

OVERALL (a)	2/50 (4%)	6/50 (12%)	8/50 (16%)	12/50 (24%)	6/50 (12%)
POLY-3 RATE (b)	2/44.87	6/43.84	8/44.19	12/44.23	6/42.93
POLY-3 PERCENT (g)	4.5%	13.7%	18.1%	27.1%	14%
TERMINAL (d)	1/33 (3%)	6/32 (19%)	8/32 (25%)	9/36 (25%)	5/31 (16%)
FIRST INCIDENCE	580	729 (T)	729 (T)	567	721

STATISTICAL TESTS

LIFE TABLE	P=0.325	P=0.125	P=0.042*	P=0.007**	P=0.119
POLY 3	P=0.318	P=0.125	P=0.042*	P=0.003**	P=0.118
POLY 1.5	P=0.335	P=0.128	P=0.043*	P=0.003**	P=0.124
POLY 6	P=0.303	P=0.120	P=0.040*	P=0.003**	P=0.112
LOGISTIC REGRESSION	P=0.325	P=0.130	P=0.046*	P=0.004**	P=0.122
COCH-ARM / FISHERS	P=0.362	P=0.134	P=0.046*	P=0.004**	P=0.134
ORDER RESTRICTED	P=0.023*	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.033*	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Sodium dichromate dihydrate (VI)
CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
Time Report Requested: 10:38:19
First Dose M/F: 10/02/02 / 10/02/02
Lab: SRI

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

DOSE	Females				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

Adrenal Cortex
Hypertrophy Focal

LESION RATES

OVERALL (a)	4/50 (8%)	4/50 (8%)	6/50 (12%)	1/50 (2%)	7/50 (14%)
POLY-3 RATE (b)	4/44.37	4/43.84	6/44.91	1/43.27	7/43.18
POLY-3 PERCENT (g)	9%	9.1%	13.4%	2.3%	16.2%
TERMINAL (d)	4/33 (12%)	4/32 (13%)	4/32 (13%)	1/36 (3%)	6/31 (19%)
FIRST INCIDENCE	729 (T)	729 (T)	554	729 (T)	652

STATISTICAL TESTS

LIFE TABLE	P=0.192	P=0.629	P=0.352	P=0.153N	P=0.226
POLY 3	P=0.203	P=0.637	P=0.377	P=0.186N	P=0.244
POLY 1.5	P=0.208	P=0.638	P=0.373	P=0.185N	P=0.250
POLY 6	P=0.199	P=0.636	P=0.382	P=0.184N	P=0.239
LOGISTIC REGRESSION	P=0.194	P=0.629	P=0.367	P=0.153N	P=0.231
COCH-ARM / FISHERS	P=0.217	P=0.643N	P=0.370	P=0.181N	P=0.262
ORDER RESTRICTED	P=0.192	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.206	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

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

DOSE	Females				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L
Adrenal Cortex					
Necrosis					
LESION RATES					
OVERALL (a)	3/50 (6%)	0/50 (0%)	0/50 (0%)	2/50 (4%)	0/50 (0%)
POLY-3 RATE (b)	3/45.04	0/43.84	0/44.19	2/44.57	0/42.89
POLY-3 PERCENT (g)	6.7%	0%	0%	4.5%	0%
TERMINAL (d)	1/33 (3%)	0/32 (0%)	0/32 (0%)	0/36 (0%)	0/31 (0%)
FIRST INCIDENCE	575	---	---	493	---
.....					
STATISTICAL TESTS					
LIFE TABLE	P=0.294N	P=0.135N	P=0.133N	P=0.508N	P=0.140N
POLY 3	P=0.286N	P=0.123N	P=0.122N	P=0.505N	P=0.127N
POLY 1.5	P=0.285N	P=0.122N	P=0.121N	P=0.504N	P=0.124N
POLY 6	P=0.288N	P=0.126N	P=0.124N	P=0.502N	P=0.131N
LOGISTIC REGRESSION	P=0.242N	P=0.110N	P=0.116N	P=0.358N	P=0.106N
COCH-ARM / FISHERS	P=0.283N	P=0.121N	P=0.121N	P=0.500N	P=0.121N
ORDER RESTRICTED	P=0.024N*	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.035N*	(e)	(e)	(e)	(e)
.....					

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

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

DOSE	Females				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

**Adrenal Medulla
Hyperplasia**

LESION RATES

OVERALL (a)	2/49 (4%)	3/50 (6%)	1/49 (2%)	2/50 (4%)	2/50 (4%)
POLY-3 RATE (b)	2/43.62	3/44.38	1/43.19	2/43.66	2/43.32
POLY-3 PERCENT (g)	4.6%	6.8%	2.3%	4.6%	4.6%
TERMINAL (d)	1/33 (3%)	1/32 (3%)	1/31 (3%)	1/36 (3%)	1/31 (3%)
FIRST INCIDENCE	707	646	729 (T)	618	605

STATISTICAL TESTS

LIFE TABLE	P=0.607N	P=0.499	P=0.518N	P=0.680N	P=0.673
POLY 3	P=0.589N	P=0.508	P=0.503N	P=0.694N	P=0.692
POLY 1.5	P=0.585N	P=0.507	P=0.502N	P=0.692N	P=0.693N
POLY 6	P=0.591N	P=0.509	P=0.506N	P=0.692N	P=0.689
LOGISTIC REGRESSION	P=0.578N	P=0.508	P=0.508N	P=0.691N	P=0.690N
COCH-ARM / FISHERS	P=0.579N	P=0.510	P=0.500N	P=0.684N	P=0.684N
ORDER RESTRICTED	P=0.586N	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.586N	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Sodium dichromate dihydrate (VI)
CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
Time Report Requested: 10:38:19
First Dose M/F: 10/02/02 / 10/02/02
Lab: SRI

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

DOSE	Females				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

Bone Marrow
Hyperplasia

LESION RATES

OVERALL (a)	6/50 (12%)	8/50 (16%)	7/49 (14%)	6/50 (12%)	9/50 (18%)
POLY-3 RATE (b)	6/45.82	8/45.69	7/44.89	6/46.36	9/44.78
POLY-3 PERCENT (g)	13.1%	17.5%	15.6%	12.9%	20.1%
TERMINAL (d)	1/33 (3%)	4/32 (13%)	1/31 (3%)	1/36 (3%)	4/31 (13%)
FIRST INCIDENCE	524	461	454	379	560

STATISTICAL TESTS

LIFE TABLE	P=0.283	P=0.372	P=0.482	P=0.605	P=0.266
POLY 3	P=0.289	P=0.384	P=0.484	P=0.612N	P=0.270
POLY 1.5	P=0.296	P=0.385	P=0.484	P=0.616N	P=0.276
POLY 6	P=0.285	P=0.382	P=0.485	P=0.605N	P=0.265
LOGISTIC REGRESSION	P=0.389	P=0.425	P=0.506	P=0.441N	P=0.337
COCH-ARM / FISHERS	P=0.307	P=0.387	P=0.484	P=0.620N	P=0.288
ORDER RESTRICTED	P=0.314	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.327	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

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

DOSE	Females				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

**Bone Marrow
 Infiltration Cellular Histiocyte**

LESION RATES

OVERALL (a)	1/50 (2%)	0/50 (0%)	2/49 (4%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	1/44.53	0/43.84	2/43.19	0/43.27	0/42.89
POLY-3 PERCENT (g)	2.3%	0%	4.6%	0%	0%
TERMINAL (d)	0/33 (0%)	0/32 (0%)	2/31 (7%)	0/36 (0%)	0/31 (0%)
FIRST INCIDENCE	689	---	729 (T)	---	---

STATISTICAL TESTS

LIFE TABLE	P=0.311N	P=0.522N	P=0.479	P=0.511N	P=0.522N
POLY 3	P=0.307N	P=0.503N	P=0.489	P=0.506N	P=0.507N
POLY 1.5	P=0.305N	P=0.502N	P=0.491	P=0.504N	P=0.505N
POLY 6	P=0.308N	P=0.504N	P=0.487	P=0.506N	P=0.510N
LOGISTIC REGRESSION	P=0.310N	P=0.499N	P=0.489	P=0.499N	P=0.499N
COCH-ARM / FISHERS	P=0.303N	P=0.500N	P=0.492	P=0.500N	P=0.500N
ORDER RESTRICTED	P=0.310N	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.326N	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

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

DOSE	Females				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

Bone Marrow Myelofibrosis

LESION RATES

OVERALL (a)	0/50 (0%)	1/50 (2%)	0/49 (0%)	1/50 (2%)	1/50 (2%)
POLY-3 RATE (b)	0/44.37	1/44.69	0/43.19	1/43.42	1/42.89
POLY-3 PERCENT (g)	0%	2.2%	0%	2.3%	2.3%
TERMINAL (d)	0/33 (0%)	0/32 (0%)	0/31 (0%)	0/36 (0%)	1/31 (3%)
FIRST INCIDENCE	---	387	---	689	729 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.403	P=0.500	(e)	P=0.489	P=0.488
POLY 3	P=0.401	P=0.501	(e)	P=0.496	P=0.493
POLY 1.5	P=0.406	P=0.501	(e)	P=0.497	P=0.496
POLY 6	P=0.397	P=0.502	(e)	P=0.497	P=0.491
LOGISTIC REGRESSION	P=0.446	(e)	(e)	P=0.501	P=0.488
COCH-ARM / FISHERS	P=0.412	P=0.500	(e)	P=0.500	P=0.500
ORDER RESTRICTED	P=0.305	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.319	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

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

DOSE	Females				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

Bone: Cranium
 Osteopetrosis

LESION RATES

OVERALL (a)	0/50 (0%)	0/50 (0%)	1/50 (2%)	1/50 (2%)	2/50 (4%)
POLY-3 RATE (b)	0/44.37	0/43.84	1/44.34	1/43.27	2/43.91
POLY-3 PERCENT (g)	0%	0%	2.3%	2.3%	4.6%
TERMINAL (d)	0/33 (0%)	0/32 (0%)	0/32 (0%)	1/36 (3%)	0/31 (0%)
FIRST INCIDENCE	---	---	689	729 (T)	570

STATISTICAL TESTS

LIFE TABLE	P=0.096	(e)	P=0.489	P=0.517	P=0.226
POLY 3	P=0.102	(e)	P=0.500	P=0.495	P=0.235
POLY 1.5	P=0.102	(e)	P=0.500	P=0.496	P=0.235
POLY 6	P=0.103	(e)	P=0.500	P=0.496	P=0.235
LOGISTIC REGRESSION	P=0.115	(e)	P=0.501	P=0.517	P=0.323
COCH-ARM / FISHERS	P=0.103	(e)	P=0.500	P=0.500	P=0.247
ORDER RESTRICTED	P=0.087	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.097	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

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

DOSE	Females				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L
Brain Compression					
LESION RATES					
OVERALL (a)	8/50 (16%)	13/50 (26%)	15/50 (30%)	11/50 (22%)	7/50 (14%)
POLY-3 RATE (b)	8/45.76	13/45.08	15/46.01	11/44.90	7/43.19
POLY-3 PERCENT (g)	17.5%	28.8%	32.6%	24.5%	16.2%
TERMINAL (d)	3/33 (9%)	8/32 (25%)	8/32 (25%)	7/36 (19%)	6/31 (19%)
FIRST INCIDENCE	489	618	534	580	647
.....					
STATISTICAL TESTS					
LIFE TABLE	P=0.157N	P=0.162	P=0.087	P=0.341	P=0.542N
POLY 3	P=0.150N	P=0.149	P=0.074	P=0.287	P=0.549N
POLY 1.5	P=0.136N	P=0.153	P=0.074	P=0.290	P=0.530N
POLY 6	P=0.167N	P=0.148	P=0.074	P=0.294	P=0.569N
LOGISTIC REGRESSION	P=0.121N	P=0.164	P=0.078	P=0.321	P=0.508N
COCH-ARM / FISHERS	P=0.117N	P=0.163	P=0.077	P=0.306	P=0.500N
ORDER RESTRICTED	P=0.225N	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.245N	(e)	(e)	(e)	(e)
.....					

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

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

DOSE	Females				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L
Brain Hemorrhage					
LESION RATES					
OVERALL (a)	1/50 (2%)	3/50 (6%)	0/50 (0%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	1/45.07	3/44.61	0/44.19	1/43.27	0/42.89
POLY-3 PERCENT (g)	2.2%	6.7%	0%	2.3%	0%
TERMINAL (d)	0/33 (0%)	1/32 (3%)	0/32 (0%)	1/36 (3%)	0/31 (0%)
FIRST INCIDENCE	489	605	---	729 (T)	---
.....					
STATISTICAL TESTS					
LIFE TABLE	P=0.200N	P=0.310	P=0.504N	P=0.755N	P=0.508N
POLY 3	P=0.197N	P=0.301	P=0.504N	P=0.752	P=0.510N
POLY 1.5	P=0.194N	P=0.302	P=0.502N	P=0.754	P=0.506N
POLY 6	P=0.199N	P=0.302	P=0.505N	P=0.751	P=0.513N
LOGISTIC REGRESSION	P=0.170N	P=0.365	P=0.358N	P=0.706N	P=0.253N
COCH-ARM / FISHERS	P=0.190N	P=0.309	P=0.500N	P=0.753N	P=0.500N
ORDER RESTRICTED	P=0.130N	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.149N	(e)	(e)	(e)	(e)
.....					

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

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

DOSE	Females				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

Brain Hydrocephalus

LESION RATES

OVERALL (a)	0/50 (0%)	0/50 (0%)	2/50 (4%)	2/50 (4%)	0/50 (0%)
POLY-3 RATE (b)	0/44.37	0/43.84	2/45.23	2/44.23	0/42.89
POLY-3 PERCENT (g)	0%	0%	4.4%	4.5%	0%
TERMINAL (d)	0/33 (0%)	0/32 (0%)	0/32 (0%)	0/36 (0%)	0/31 (0%)
FIRST INCIDENCE	---	---	554	580	---

STATISTICAL TESTS

LIFE TABLE	P=0.543N	(e)	P=0.237	P=0.225	(e)
POLY 3	P=0.535N	(e)	P=0.241	P=0.236	(e)
POLY 1.5	P=0.531N	(e)	P=0.240	P=0.236	(e)
POLY 6	P=0.539N	(e)	P=0.244	P=0.240	(e)
LOGISTIC REGRESSION	P=0.474N	(e)	P=0.262	P=0.319	(e)
COCH-ARM / FISHERS	P=0.524N	(e)	P=0.247	P=0.247	(e)
ORDER RESTRICTED	P=0.250	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.265	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

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

DOSE	Females				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L
Clitoral Gland Cyst					
LESION RATES					
OVERALL (a)	2/50 (4%)	0/50 (0%)	2/50 (4%)	4/50 (8%)	1/50 (2%)
POLY-3 RATE (b)	2/44.65	0/43.84	2/44.35	4/43.27	1/42.89
POLY-3 PERCENT (g)	4.5%	0%	4.5%	9.3%	2.3%
TERMINAL (d)	1/33 (3%)	0/32 (0%)	1/32 (3%)	4/36 (11%)	1/31 (3%)
FIRST INCIDENCE	654	---	687	729 (T)	729 (T)
STATISTICAL TESTS					
LIFE TABLE	P=0.609N	P=0.240N	P=0.691	P=0.367	P=0.523N
POLY 3	P=0.604N	P=0.241N	P=0.692	P=0.322	P=0.514N
POLY 1.5	P=0.597N	P=0.240N	P=0.692	P=0.327	P=0.509N
POLY 6	P=0.610N	P=0.243N	P=0.691	P=0.321	P=0.520N
LOGISTIC REGRESSION	P=0.604N	P=0.237N	P=0.695	P=0.327	P=0.510N
COCH-ARM / FISHERS	P=0.586N	P=0.247N	P=0.691N	P=0.339	P=0.500N
ORDER RESTRICTED	P=0.350	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.364	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Sodium dichromate dihydrate (VI)
CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
Time Report Requested: 10:38:19
First Dose M/F: 10/02/02 / 10/02/02
Lab: SRI

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

DOSE	Females				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L
Clitoral Gland Hyperplasia					
LESION RATES					
OVERALL (a)	4/50 (8%)	1/50 (2%)	2/50 (4%)	3/50 (6%)	1/50 (2%)
POLY-3 RATE (b)	4/44.37	1/44.00	2/44.45	3/43.80	1/42.89
POLY-3 PERCENT (g)	9%	2.3%	4.5%	6.9%	2.3%
TERMINAL (d)	4/33 (12%)	0/32 (0%)	1/32 (3%)	2/36 (6%)	1/31 (3%)
FIRST INCIDENCE	729 (T)	686	659	567	729 (T)
STATISTICAL TESTS					
LIFE TABLE	P=0.310N	P=0.193N	P=0.344N	P=0.464N	P=0.197N
POLY 3	P=0.307N	P=0.181N	P=0.336N	P=0.507N	P=0.189N
POLY 1.5	P=0.301N	P=0.181N	P=0.337N	P=0.507N	P=0.185N
POLY 6	P=0.312N	P=0.180N	P=0.334N	P=0.502N	P=0.191N
LOGISTIC REGRESSION	P=0.303N	P=0.184N	P=0.339N	P=0.511N	P=0.197N
COCH-ARM / FISHERS	P=0.293N	P=0.181N	P=0.339N	P=0.500N	P=0.181N
ORDER RESTRICTED	P=0.126N	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.142N	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Sodium dichromate dihydrate (VI)
CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
Time Report Requested: 10:38:19
First Dose M/F: 10/02/02 / 10/02/02
Lab: SRI

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

DOSE	Females				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

Clitoral Gland
Inflammation Chronic

LESION RATES

OVERALL (a)	3/50 (6%)	4/50 (8%)	6/50 (12%)	8/50 (16%)	4/50 (8%)
POLY-3 RATE (b)	3/44.37	4/44.82	6/44.42	8/43.80	4/43.01
POLY-3 PERCENT (g)	6.8%	8.9%	13.5%	18.3%	9.3%
TERMINAL (d)	3/33 (9%)	1/32 (3%)	5/32 (16%)	7/36 (19%)	2/31 (7%)
FIRST INCIDENCE	729 (T)	605	667	567	709

STATISTICAL TESTS

LIFE TABLE	P=0.525	P=0.486	P=0.230	P=0.124	P=0.476
POLY 3	P=0.522	P=0.506	P=0.242	P=0.093	P=0.483
POLY 1.5	P=0.536	P=0.502	P=0.242	P=0.094	P=0.489
POLY 6	P=0.508	P=0.513	P=0.242	P=0.095	P=0.478
LOGISTIC REGRESSION	P=0.534	P=0.503	P=0.235	P=0.092	P=0.475
COCH-ARM / FISHERS	P=0.556	P=0.500	P=0.243	P=0.100	P=0.500
ORDER RESTRICTED	P=0.257	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.272	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

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

DOSE	Females				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

Eye
 Cataract

LESION RATES

OVERALL (a)	2/50 (4%)	2/50 (4%)	4/50 (8%)	1/50 (2%)	1/50 (2%)
POLY-3 RATE (b)	2/44.83	2/43.84	4/44.80	1/43.27	1/42.89
POLY-3 PERCENT (g)	4.5%	4.6%	8.9%	2.3%	2.3%
TERMINAL (d)	1/33 (3%)	2/32 (6%)	3/32 (9%)	1/36 (3%)	1/31 (3%)
FIRST INCIDENCE	595	729 (T)	534	729 (T)	729 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.262N	P=0.685	P=0.328	P=0.490N	P=0.525N
POLY 3	P=0.262N	P=0.686	P=0.337	P=0.512N	P=0.515N
POLY 1.5	P=0.257N	P=0.689	P=0.337	P=0.509N	P=0.509N
POLY 6	P=0.266N	P=0.683	P=0.336	P=0.514N	P=0.522N
LOGISTIC REGRESSION	P=0.253N	P=0.694	P=0.342	P=0.495N	P=0.495N
COCH-ARM / FISHERS	P=0.250N	P=0.691N	P=0.339	P=0.500N	P=0.500N
ORDER RESTRICTED	P=0.356N	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.372N	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

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

DOSE	Females				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

Eye
 Inflammation Chronic

LESION RATES

OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	3/50 (6%)
POLY-3 RATE (b)	0/44.37	0/43.84	0/44.19	0/43.27	3/43.97
POLY-3 PERCENT (g)	0%	0%	0%	0%	6.8%
TERMINAL (d)	0/33 (0%)	0/32 (0%)	0/32 (0%)	0/36 (0%)	0/31 (0%)
FIRST INCIDENCE	---	---	---	---	570

STATISTICAL TESTS

LIFE TABLE	P=0.003**	(e)	(e)	(e)	P=0.116
POLY 3	P=0.002**	(e)	(e)	(e)	P=0.117
POLY 1.5	P=0.002**	(e)	(e)	(e)	P=0.117
POLY 6	P=0.002**	(e)	(e)	(e)	P=0.117
LOGISTIC REGRESSION	P=0.003**	(e)	(e)	(e)	P=0.153
COCH-ARM / FISHERS	P=0.003**	(e)	(e)	(e)	P=0.121
ORDER RESTRICTED	P=0.003**	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.004**	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

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

DOSE	Females				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

Eye: Retina
 Degeneration

LESION RATES

OVERALL (a)	4/50 (8%)	2/50 (4%)	3/50 (6%)	2/50 (4%)	2/50 (4%)
POLY-3 RATE (b)	4/44.98	2/43.84	3/44.80	2/43.42	2/42.89
POLY-3 PERCENT (g)	8.9%	4.6%	6.7%	4.6%	4.7%
TERMINAL (d)	2/33 (6%)	2/32 (6%)	2/32 (6%)	1/36 (3%)	2/31 (7%)
FIRST INCIDENCE	595	729 (T)	534	689	729 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.390N	P=0.357N	P=0.515N	P=0.335N	P=0.374N
POLY 3	P=0.385N	P=0.349N	P=0.502N	P=0.353N	P=0.359N
POLY 1.5	P=0.379N	P=0.345N	P=0.501N	P=0.349N	P=0.350N
POLY 6	P=0.391N	P=0.355N	P=0.505N	P=0.355N	P=0.369N
LOGISTIC REGRESSION	P=0.375N	P=0.340N	P=0.494N	P=0.339N	P=0.346N
COCH-ARM / FISHERS	P=0.368N	P=0.339N	P=0.500N	P=0.339N	P=0.339N
ORDER RESTRICTED	P=0.347N	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.363N	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Sodium dichromate dihydrate (VI)
CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
Time Report Requested: 10:38:19
First Dose M/F: 10/02/02 / 10/02/02
Lab: SRI

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

DOSE	Females				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

Harderian Gland
Inflammation Chronic

LESION RATES

OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	0/44.37	0/43.84	0/44.19	1/43.80	0/42.89
POLY-3 PERCENT (g)	0%	0%	0%	2.3%	0%
TERMINAL (d)	0/33 (0%)	0/32 (0%)	0/32 (0%)	0/36 (0%)	0/31 (0%)
FIRST INCIDENCE	---	---	---	567	---

STATISTICAL TESTS

LIFE TABLE	P=0.783	(e)	(e)	P=0.487	(e)
POLY 3	P=0.777	(e)	(e)	P=0.497	(e)
POLY 1.5	P=0.780	(e)	(e)	P=0.498	(e)
POLY 6	P=0.773	(e)	(e)	P=0.499	(e)
LOGISTIC REGRESSION	P=0.807	(e)	(e)	P=0.612	(e)
COCH-ARM / FISHERS	P=0.786	(e)	(e)	P=0.500	(e)
ORDER RESTRICTED	P=0.369	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.383	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Sodium dichromate dihydrate (VI)
CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
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First Dose M/F: 10/02/02 / 10/02/02
Lab: SRI

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

DOSE	Females				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

Heart
Cardiomyopathy

LESION RATES

OVERALL (a)	27/50 (54%)	32/50 (64%)	35/50 (70%)	33/50 (66%)	28/50 (56%)
POLY-3 RATE (b)	27/45.23	32/45.33	35/47.08	33/44.86	28/45.10
POLY-3 PERCENT (g)	59.7%	70.6%	74.3%	73.6%	62.1%
TERMINAL (d)	23/33 (70%)	26/32 (81%)	24/32 (75%)	29/36 (81%)	21/31 (68%)
FIRST INCIDENCE	580	605	573	493	472

STATISTICAL TESTS

LIFE TABLE	P=0.408N	P=0.150	P=0.072	P=0.266	P=0.375
POLY 3	P=0.310N	P=0.181	P=0.091	P=0.108	P=0.493
POLY 1.5	P=0.301N	P=0.187	P=0.079	P=0.120	P=0.494
POLY 6	P=0.323N	P=0.181	P=0.120	P=0.108	P=0.501
LOGISTIC REGRESSION	P=0.404N	P=0.159	P=0.058	P=0.087	P=0.397
COCH-ARM / FISHERS	P=0.296N	P=0.208	P=0.074	P=0.154	P=0.500
ORDER RESTRICTED	P=0.223	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.232	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
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 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

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

DOSE	Females				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

**Heart
Thrombosis**

LESION RATES

OVERALL (a)	1/50 (2%)	1/50 (2%)	2/50 (4%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	1/44.37	1/44.14	2/44.85	1/43.66	0/42.89
POLY-3 PERCENT (g)	2.3%	2.3%	4.5%	2.3%	0%
TERMINAL (d)	1/33 (3%)	0/32 (0%)	0/32 (0%)	0/36 (0%)	0/31 (0%)
FIRST INCIDENCE	729 (T)	646	602	618	---

STATISTICAL TESTS

LIFE TABLE	P=0.268N	P=0.758N	P=0.494	P=0.758N	P=0.512N
POLY 3	P=0.259N	P=0.760	P=0.504	P=0.757	P=0.507N
POLY 1.5	P=0.256N	P=0.759	P=0.502	P=0.757	P=0.504N
POLY 6	P=0.262N	P=0.760	P=0.507	P=0.759	P=0.509N
LOGISTIC REGRESSION	P=0.233N	P=0.761N	P=0.506	P=0.755N	(e)
COCH-ARM / FISHERS	P=0.250N	P=0.753N	P=0.500	P=0.753N	P=0.500N
ORDER RESTRICTED	P=0.304N	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.318N	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

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

DOSE	Females				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

Intestine Large, Cecum
 Edema

LESION RATES

OVERALL (a)	2/46 (4%)	1/47 (2%)	1/48 (2%)	0/47 (0%)	1/50 (2%)
POLY-3 RATE (b)	2/42.03	1/42.08	1/43.12	0/41.69	1/42.89
POLY-3 PERCENT (g)	4.8%	2.4%	2.3%	0%	2.3%
TERMINAL (d)	1/32 (3%)	1/32 (3%)	0/32 (0%)	0/36 (0%)	1/31 (3%)
FIRST INCIDENCE	700	729 (T)	667	---	729 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.510N	P=0.510N	P=0.507N	P=0.230N	P=0.514N
POLY 3	P=0.486N	P=0.500N	P=0.491N	P=0.239N	P=0.493N
POLY 1.5	P=0.483N	P=0.497N	P=0.489N	P=0.237N	P=0.484N
POLY 6	P=0.488N	P=0.504N	P=0.492N	P=0.238N	P=0.502N
LOGISTIC REGRESSION	P=0.495N	P=0.504N	P=0.484N	P=0.238N	P=0.502N
COCH-ARM / FISHERS	P=0.478N	P=0.492N	P=0.484N	P=0.242N	P=0.468N
ORDER RESTRICTED	P=0.239N	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.254N	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

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

DOSE	Females				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

Intestine Small, Duodenum Infiltration Cellular Histiocyte

LESION RATES

OVERALL (a)	0/46 (0%)	0/49 (0%)	1/48 (2%)	30/46 (65%)	47/50 (94%)
POLY-3 RATE (b)	0/41.93	0/43.19	1/42.89	30/44.04	47/49.48
POLY-3 PERCENT (g)	0%	0%	2.3%	68.1%	95%
TERMINAL (d)	0/32 (0%)	0/32 (0%)	1/32 (3%)	23/36 (64%)	29/31 (94%)
FIRST INCIDENCE	---	---	729 (T)	379	461

STATISTICAL TESTS

LIFE TABLE	P<0.001**	(e)	P=0.500	P<0.001**	P<0.001**
POLY 3	P<0.001**	(e)	P=0.504	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	(e)	P=0.506	P<0.001**	P<0.001**
POLY 6	P<0.001**	(e)	P=0.503	P<0.001**	P<0.001**
LOGISTIC REGRESSION	P<0.001**	(e)	P=0.500	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	(e)	P=0.511	P<0.001**	P<0.001**
ORDER RESTRICTED	P<0.001**	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P<0.001**	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

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

DOSE	Females				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

Intestine Small, Ileum: Lymphoid Tissue
 Hyperplasia

LESION RATES

OVERALL (a)	16/45 (36%)	10/47 (21%)	8/44 (18%)	6/47 (13%)	12/50 (24%)
POLY-3 RATE (b)	16/42.52	10/43.19	8/40.63	6/41.87	12/43.96
POLY-3 PERCENT (g)	37.6%	23.2%	19.7%	14.3%	27.3%
TERMINAL (d)	13/32 (41%)	7/32 (22%)	6/32 (19%)	5/36 (14%)	9/31 (29%)
FIRST INCIDENCE	524	560	687	689	461

STATISTICAL TESTS

LIFE TABLE	P=0.545	P=0.133N	P=0.052N	P=0.008N**	P=0.287N
POLY 3	P=0.468N	P=0.108N	P=0.056N	P=0.012N*	P=0.211N
POLY 1.5	P=0.443N	P=0.104N	P=0.055N	P=0.011N*	P=0.186N
POLY 6	P=0.497N	P=0.116N	P=0.057N	P=0.013N*	P=0.244N
LOGISTIC REGRESSION	P=0.458N	P=0.098N	P=0.053N	P=0.012N*	P=0.179N
COCH-ARM / FISHERS	P=0.412N	P=0.099N	P=0.053N	P=0.010N**	P=0.157N
ORDER RESTRICTED	P=0.044N*	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.055N	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
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 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

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

DOSE	Females				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

Islets, Pancreatic Hyperplasia

LESION RATES

OVERALL (a)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/44.37	0/43.84	1/44.19	0/43.27	0/42.89
POLY-3 PERCENT (g)	0%	0%	2.3%	0%	0%
TERMINAL (d)	0/33 (0%)	0/32 (0%)	1/32 (3%)	0/36 (0%)	0/31 (0%)
FIRST INCIDENCE	---	---	729 (T)	---	---

STATISTICAL TESTS

LIFE TABLE	P=0.665N	(e)	P=0.494	(e)	(e)
POLY 3	P=0.658N	(e)	P=0.499	(e)	(e)
POLY 1.5	P=0.658N	(e)	P=0.499	(e)	(e)
POLY 6	P=0.658N	(e)	P=0.499	(e)	(e)
LOGISTIC REGRESSION	(e)	(e)	P=0.494	(e)	(e)
COCH-ARM / FISHERS	P=0.657N	(e)	P=0.500	(e)	(e)
ORDER RESTRICTED	P=0.516	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.522	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Sodium dichromate dihydrate (VI)
CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
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First Dose M/F: 10/02/02 / 10/02/02
Lab: SRI

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

DOSE	Females				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L
Kidney Cyst					
LESION RATES					
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	2/50 (4%)
POLY-3 RATE (b)	0/44.37	0/43.84	0/44.19	1/43.27	2/42.89
POLY-3 PERCENT (g)	0%	0%	0%	2.3%	4.7%
TERMINAL (d)	0/33 (0%)	0/32 (0%)	0/32 (0%)	1/36 (3%)	2/31 (7%)
FIRST INCIDENCE	---	---	---	729 (T)	729 (T)
.....					
STATISTICAL TESTS					
LIFE TABLE	P=0.035*	(e)	(e)	P=0.517	P=0.224
POLY 3	P=0.038*	(e)	(e)	P=0.495	P=0.229
POLY 1.5	P=0.039*	(e)	(e)	P=0.496	P=0.232
POLY 6	P=0.037*	(e)	(e)	P=0.496	P=0.227
LOGISTIC REGRESSION	(e)	(e)	(e)	P=0.517	P=0.224
COCH-ARM / FISHERS	P=0.040*	(e)	(e)	P=0.500	P=0.247
ORDER RESTRICTED	P=0.046*	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.057	(e)	(e)	(e)	(e)
.....					

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

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

DOSE	Females				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

Kidney
 Infarct

LESION RATES

OVERALL (a)	3/50 (6%)	1/50 (2%)	1/50 (2%)	1/50 (2%)	4/50 (8%)
POLY-3 RATE (b)	3/44.88	1/43.84	1/44.19	1/43.27	4/43.62
POLY-3 PERCENT (g)	6.7%	2.3%	2.3%	2.3%	9.2%
TERMINAL (d)	1/33 (3%)	1/32 (3%)	1/32 (3%)	1/36 (3%)	2/31 (7%)
FIRST INCIDENCE	618	729 (T)	729 (T)	729 (T)	583

STATISTICAL TESTS

LIFE TABLE	P=0.135	P=0.321N	P=0.325N	P=0.301N	P=0.464
POLY 3	P=0.146	P=0.314N	P=0.311N	P=0.318N	P=0.484
POLY 1.5	P=0.147	P=0.311N	P=0.309N	P=0.314N	P=0.490
POLY 6	P=0.146	P=0.318N	P=0.314N	P=0.320N	P=0.480
LOGISTIC REGRESSION	P=0.147	P=0.305N	P=0.305N	P=0.307N	P=0.515
COCH-ARM / FISHERS	P=0.150	P=0.309N	P=0.309N	P=0.309N	P=0.500
ORDER RESTRICTED	P=0.158	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.175	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
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 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

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

DOSE	Females				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

**Kidney
 Inflammation Chronic**

LESION RATES

OVERALL (a)	2/50 (4%)	1/50 (2%)	1/50 (2%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	2/44.76	1/43.84	1/44.19	0/43.27	1/43.13
POLY-3 PERCENT (g)	4.5%	2.3%	2.3%	0%	2.3%
TERMINAL (d)	1/33 (3%)	1/32 (3%)	1/32 (3%)	0/36 (0%)	0/31 (0%)
FIRST INCIDENCE	618	729 (T)	729 (T)	---	667

STATISTICAL TESTS

LIFE TABLE	P=0.520N	P=0.507N	P=0.512N	P=0.238N	P=0.527N
POLY 3	P=0.504N	P=0.507N	P=0.505N	P=0.245N	P=0.513N
POLY 1.5	P=0.503N	P=0.505N	P=0.503N	P=0.243N	P=0.508N
POLY 6	P=0.505N	P=0.511N	P=0.507N	P=0.245N	P=0.517N
LOGISTIC REGRESSION	P=0.502N	P=0.499N	P=0.500N	P=0.227N	P=0.482N
COCH-ARM / FISHERS	P=0.500N	P=0.500N	P=0.500N	P=0.247N	P=0.500N
ORDER RESTRICTED	P=0.258N	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.274N	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

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

DOSE	Females				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

Kidney Nephropathy

LESION RATES

OVERALL (a)	33/50 (66%)	23/50 (46%)	32/50 (64%)	37/50 (74%)	41/50 (82%)
POLY-3 RATE (b)	33/46.91	23/46.66	32/46.99	37/46.90	41/46.90
POLY-3 PERCENT (g)	70.4%	49.3%	68.1%	78.9%	87.4%
TERMINAL (d)	25/33 (76%)	16/32 (50%)	23/32 (72%)	29/36 (81%)	29/31 (94%)
FIRST INCIDENCE	580	461	534	447	461

STATISTICAL TESTS

LIFE TABLE	P=0.002**	P=0.064N	P=0.563N	P=0.423	P=0.043*
POLY 3	P<0.001**	P=0.026N*	P=0.495N	P=0.229	P=0.028*
POLY 1.5	P<0.001**	P=0.029N*	P=0.496N	P=0.231	P=0.036*
POLY 6	P<0.001**	P=0.023N*	P=0.498N	P=0.247	P=0.023*
LOGISTIC REGRESSION	P<0.001**	P=0.037N*	P=0.510N	P=0.191	P=0.025*
COCH-ARM / FISHERS	P<0.001**	P=0.035N*	P=0.500N	P=0.257	P=0.055
ORDER RESTRICTED	P<0.001**	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P<0.001**	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

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

DOSE	Females				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

Kidney: Renal Tubule
 Accumulation, Hyaline Droplet

LESION RATES

OVERALL (a)	7/50 (14%)	4/50 (8%)	2/50 (4%)	2/50 (4%)	0/50 (0%)
POLY-3 RATE (b)	7/45.11	4/44.07	2/44.19	2/43.66	0/42.89
POLY-3 PERCENT (g)	15.5%	9.1%	4.5%	4.6%	0%
TERMINAL (d)	5/33 (15%)	3/32 (9%)	2/32 (6%)	1/36 (3%)	0/31 (0%)
FIRST INCIDENCE	595	667	729 (T)	618	---

STATISTICAL TESTS

LIFE TABLE	P=0.015N*	P=0.275N	P=0.088N	P=0.078N	P=0.013N*
POLY 3	P=0.014N*	P=0.274N	P=0.083N	P=0.086N	P=0.009N**
POLY 1.5	P=0.013N*	P=0.270N	P=0.082N	P=0.084N	P=0.008N**
POLY 6	P=0.014N*	P=0.279N	P=0.085N	P=0.086N	P=0.010N**
LOGISTIC REGRESSION	P=0.014N*	P=0.266N	P=0.082N	P=0.082N	P=0.010N**
COCH-ARM / FISHERS	P=0.014N*	P=0.262N	P=0.080N	P=0.080N	P=0.006N**
ORDER RESTRICTED	P=0.002N**	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.004N**	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

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

DOSE	Females				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

Kidney: Renal Tubule
 Dilatation

LESION RATES

OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	0/44.37	0/43.84	0/44.19	1/43.57	0/42.89
POLY-3 PERCENT (g)	0%	0%	0%	2.3%	0%
TERMINAL (d)	0/33 (0%)	0/32 (0%)	0/32 (0%)	0/36 (0%)	0/31 (0%)
FIRST INCIDENCE	---	---	---	646	---

STATISTICAL TESTS

LIFE TABLE	P=0.784	(e)	(e)	P=0.500	(e)
POLY 3	P=0.777	(e)	(e)	P=0.496	(e)
POLY 1.5	P=0.781	(e)	(e)	P=0.497	(e)
POLY 6	P=0.773	(e)	(e)	P=0.498	(e)
LOGISTIC REGRESSION	P=0.794	(e)	(e)	P=0.527	(e)
COCH-ARM / FISHERS	P=0.786	(e)	(e)	P=0.500	(e)
ORDER RESTRICTED	P=0.368	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.382	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Sodium dichromate dihydrate (VI)
CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
Time Report Requested: 10:38:19
First Dose M/F: 10/02/02 / 10/02/02
Lab: SRI

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

DOSE	Females				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

Kidney: Renal Tubule
Hyperplasia

LESION RATES

OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/44.37	0/43.84	0/44.19	0/43.27	0/42.89
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%
TERMINAL (d)	0/33 (0%)	0/32 (0%)	0/32 (0%)	0/36 (0%)	0/31 (0%)
FIRST INCIDENCE	---	---	---	---	---

STATISTICAL TESTS

LIFE TABLE	(e)	(e)	(e)	(e)	(e)
POLY 3	(e)	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)	(e)
LOGISTIC REGRESSION	(e)	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)	(e)
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

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

DOSE	Females				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

Kidney: Renal Tubule
 Necrosis

LESION RATES

OVERALL (a)	3/50 (6%)	2/50 (4%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	3/44.76	2/44.04	0/44.19	0/43.27	0/42.89
POLY-3 PERCENT (g)	6.7%	4.5%	0%	0%	0%
TERMINAL (d)	0/33 (0%)	0/32 (0%)	0/32 (0%)	0/36 (0%)	0/31 (0%)
FIRST INCIDENCE	689	689	---	---	---

STATISTICAL TESTS

LIFE TABLE	P=0.098N	P=0.537N	P=0.136N	P=0.129N	P=0.136N
POLY 3	P=0.094N	P=0.507N	P=0.121N	P=0.125N	P=0.126N
POLY 1.5	P=0.093N	P=0.505N	P=0.120N	P=0.123N	P=0.123N
POLY 6	P=0.094N	P=0.511N	P=0.122N	P=0.125N	P=0.130N
LOGISTIC REGRESSION	P=0.095N	P=0.503N	P=0.121N	P=0.122N	P=0.122N
COCH-ARM / FISHERS	P=0.094N	P=0.500N	P=0.121N	P=0.121N	P=0.121N
ORDER RESTRICTED	P=0.024N*	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.034N*	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

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

DOSE	Females				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

Kidney: Renal Tubule
 Pigmentation

LESION RATES

OVERALL (a)	2/50 (4%)	1/50 (2%)	1/50 (2%)	0/50 (0%)	2/50 (4%)
POLY-3 RATE (b)	2/44.37	1/43.91	1/44.42	0/43.27	2/43.48
POLY-3 PERCENT (g)	4.5%	2.3%	2.3%	0%	4.6%
TERMINAL (d)	2/33 (6%)	0/32 (0%)	0/32 (0%)	0/36 (0%)	0/31 (0%)
FIRST INCIDENCE	729 (T)	710	667	---	647

STATISTICAL TESTS

LIFE TABLE	P=0.469	P=0.507N	P=0.504N	P=0.219N	P=0.679
POLY 3	P=0.478	P=0.504N	P=0.500N	P=0.243N	P=0.687
POLY 1.5	P=0.479	P=0.503N	P=0.500N	P=0.241N	P=0.689
POLY 6	P=0.477	P=0.504N	P=0.498N	P=0.242N	P=0.687
LOGISTIC REGRESSION	P=0.484	P=0.509N	P=0.501N	(e)	P=0.695N
COCH-ARM / FISHERS	P=0.483	P=0.500N	P=0.500N	P=0.247N	P=0.691N
ORDER RESTRICTED	P=0.439	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.448	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

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

DOSE	Females				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

**Kidney: Transitional Epithelium
 Hyperplasia**

LESION RATES

OVERALL (a)	3/50 (6%)	2/50 (4%)	2/50 (4%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	3/44.88	2/43.84	2/44.19	0/43.27	1/43.13
POLY-3 PERCENT (g)	6.7%	4.6%	4.5%	0%	2.3%
TERMINAL (d)	1/33 (3%)	2/32 (6%)	2/32 (6%)	0/36 (0%)	0/31 (0%)
FIRST INCIDENCE	618	729 (T)	729 (T)	---	667

STATISTICAL TESTS

LIFE TABLE	P=0.249N	P=0.516N	P=0.520N	P=0.125N	P=0.334N
POLY 3	P=0.241N	P=0.511N	P=0.507N	P=0.125N	P=0.319N
POLY 1.5	P=0.240N	P=0.507N	P=0.504N	P=0.123N	P=0.314N
POLY 6	P=0.242N	P=0.516N	P=0.512N	P=0.126N	P=0.325N
LOGISTIC REGRESSION	P=0.242N	P=0.503N	P=0.501N	P=0.116N	P=0.293N
COCH-ARM / FISHERS	P=0.236N	P=0.500N	P=0.500N	P=0.121N	P=0.309N
ORDER RESTRICTED	P=0.137N	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.154N	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

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

DOSE	Females				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

Liver
Angiectasis

LESION RATES

OVERALL (a)	1/50 (2%)	4/50 (8%)	2/50 (4%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	1/44.46	4/43.84	2/44.70	0/43.27	0/42.89
POLY-3 PERCENT (g)	2.3%	9.1%	4.5%	0%	0%
TERMINAL (d)	0/33 (0%)	4/32 (13%)	1/32 (3%)	0/36 (0%)	0/31 (0%)
FIRST INCIDENCE	707	729 (T)	573	---	---

STATISTICAL TESTS

LIFE TABLE	P=0.078N	P=0.172	P=0.488	P=0.494N	P=0.500N
POLY 3	P=0.078N	P=0.174	P=0.502	P=0.505N	P=0.507N
POLY 1.5	P=0.076N	P=0.176	P=0.501	P=0.504N	P=0.504N
POLY 6	P=0.079N	P=0.172	P=0.503	P=0.505N	P=0.510N
LOGISTIC REGRESSION	P=0.077N	P=0.169	P=0.505	P=0.504N	P=0.507N
COCH-ARM / FISHERS	P=0.075N	P=0.181	P=0.500	P=0.500N	P=0.500N
ORDER RESTRICTED	P=0.105N	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.120N	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

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

DOSE	Females				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

Liver
 Basophilic Focus

LESION RATES

OVERALL (a)	45/50 (90%)	41/50 (82%)	44/50 (88%)	47/50 (94%)	43/50 (86%)
POLY-3 RATE (b)	45/48.37	41/47.51	44/47.31	47/48.29	43/46.69
POLY-3 PERCENT (g)	93%	86.3%	93%	97.3%	92.1%
TERMINAL (d)	32/33 (97%)	32/32 (100%)	32/32 (100%)	36/36 (100%)	31/31 (100%)
FIRST INCIDENCE	524	461	534	447	461

STATISTICAL TESTS

LIFE TABLE	P=0.389	P=0.346N	P=0.564	P=0.543N	P=0.536
POLY 3	P=0.408	P=0.202N	P=0.679N	P=0.276	P=0.601N
POLY 1.5	P=0.496	P=0.198N	P=0.592N	P=0.294	P=0.489N
POLY 6	P=0.286	P=0.219N	P=0.628	P=0.292	P=0.673
LOGISTIC REGRESSION	P=0.415	P=0.220N	P=0.537N	P=0.173	P=0.575N
COCH-ARM / FISHERS	P=0.552N	P=0.194N	P=0.500N	P=0.357	P=0.380N
ORDER RESTRICTED	P=0.234	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.250	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

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

DOSE	Females				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

Liver
 Clear Cell Focus

LESION RATES

OVERALL (a)	7/50 (14%)	5/50 (10%)	7/50 (14%)	20/50 (40%)	7/50 (14%)
POLY-3 RATE (b)	7/44.37	5/43.84	7/44.19	20/43.66	7/42.89
POLY-3 PERCENT (g)	15.8%	11.4%	15.8%	45.8%	16.3%
TERMINAL (d)	7/33 (21%)	5/32 (16%)	7/32 (22%)	19/36 (53%)	7/31 (23%)
FIRST INCIDENCE	729 (T)	729 (T)	729 (T)	618	729 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.326	P=0.398N	P=0.593	P=0.004**	P=0.567
POLY 3	P=0.328	P=0.387N	P=0.611	P<0.001**	P=0.588
POLY 1.5	P=0.346	P=0.385N	P=0.611	P=0.002**	P=0.597
POLY 6	P=0.311	P=0.388N	P=0.611	P<0.001**	P=0.579
LOGISTIC REGRESSION	P=0.344	P=0.398N	P=0.593	P=0.002**	P=0.567
COCH-ARM / FISHERS	P=0.378	P=0.380N	P=0.613N	P=0.003**	P=0.613N
ORDER RESTRICTED	P=0.025*	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.034*	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

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

DOSE	Females				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

Liver
 Degeneration Cystic

LESION RATES

OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/44.37	0/43.84	0/44.19	0/43.27	0/42.89
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%
TERMINAL (d)	0/33 (0%)	0/32 (0%)	0/32 (0%)	0/36 (0%)	0/31 (0%)
FIRST INCIDENCE	---	---	---	---	---

STATISTICAL TESTS

LIFE TABLE	(e)	(e)	(e)	(e)	(e)
POLY 3	(e)	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)	(e)
LOGISTIC REGRESSION	(e)	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)	(e)
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Sodium dichromate dihydrate (VI)
CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
Time Report Requested: 10:38:19
First Dose M/F: 10/02/02 / 10/02/02
Lab: SRI

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

DOSE	Females				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

Liver
Eosinophilic Focus

LESION RATES

OVERALL (a)	5/50 (10%)	5/50 (10%)	5/50 (10%)	3/50 (6%)	3/50 (6%)
POLY-3 RATE (b)	5/44.62	5/44.23	5/44.36	3/43.66	3/43.72
POLY-3 PERCENT (g)	11.2%	11.3%	11.3%	6.9%	6.9%
TERMINAL (d)	3/33 (9%)	4/32 (13%)	3/32 (9%)	2/36 (6%)	1/31 (3%)
FIRST INCIDENCE	689	618	689	618	560

STATISTICAL TESTS

LIFE TABLE	P=0.264N	P=0.606	P=0.607	P=0.337N	P=0.388N
POLY 3	P=0.247N	P=0.625	P=0.627	P=0.368N	P=0.367N
POLY 1.5	P=0.245N	P=0.626	P=0.628	P=0.366N	P=0.364N
POLY 6	P=0.248N	P=0.624	P=0.626	P=0.365N	P=0.369N
LOGISTIC REGRESSION	P=0.249N	P=0.623	P=0.628	P=0.368N	P=0.356N
COCH-ARM / FISHERS	P=0.239N	P=0.630N	P=0.630N	P=0.357N	P=0.357N
ORDER RESTRICTED	P=0.419N	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.428N	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

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

DOSE	Females				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

Liver Fatty Change

LESION RATES

OVERALL (a)	3/50 (6%)	7/50 (14%)	10/50 (20%)	13/50 (26%)	16/50 (32%)
POLY-3 RATE (b)	3/45.27	7/45.28	10/46.45	13/46.76	16/47.42
POLY-3 PERCENT (g)	6.6%	15.5%	21.5%	27.8%	33.7%
TERMINAL (d)	1/33 (3%)	0/32 (0%)	4/32 (13%)	5/36 (14%)	4/31 (13%)
FIRST INCIDENCE	575	605	534	379	472

STATISTICAL TESTS

LIFE TABLE	P=0.002**	P=0.162	P=0.043*	P=0.011*	P=0.002**
POLY 3	P=0.002**	P=0.157	P=0.038*	P=0.007**	P<0.001**
POLY 1.5	P=0.002**	P=0.156	P=0.037*	P=0.006**	P<0.001**
POLY 6	P=0.002**	P=0.160	P=0.041*	P=0.008**	P<0.001**
LOGISTIC REGRESSION	P=0.002**	P=0.174	P=0.036*	P=0.010**	P=0.002**
COCH-ARM / FISHERS	P=0.002**	P=0.159	P=0.036*	P=0.006**	P<0.001**
ORDER RESTRICTED	P<0.001**	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P<0.001**	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

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

DOSE	Females				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

Liver Hematopoietic Cell Proliferation

LESION RATES

OVERALL (a)	1/50 (2%)	2/50 (4%)	0/50 (0%)	3/50 (6%)	0/50 (0%)
POLY-3 RATE (b)	1/44.65	2/44.07	0/44.19	3/44.97	0/42.89
POLY-3 PERCENT (g)	2.2%	4.5%	0%	6.7%	0%
TERMINAL (d)	0/33 (0%)	1/32 (3%)	0/32 (0%)	0/36 (0%)	0/31 (0%)
FIRST INCIDENCE	654	667	---	447	---

STATISTICAL TESTS

LIFE TABLE	P=0.356N	P=0.502	P=0.486N	P=0.293	P=0.516N
POLY 3	P=0.351N	P=0.495	P=0.502N	P=0.308	P=0.508N
POLY 1.5	P=0.346N	P=0.497	P=0.501N	P=0.306	P=0.505N
POLY 6	P=0.357N	P=0.494	P=0.503N	P=0.313	P=0.511N
LOGISTIC REGRESSION	P=0.293N	P=0.505	P=0.494N	P=0.477	P=0.479N
COCH-ARM / FISHERS	P=0.337N	P=0.500	P=0.500N	P=0.309	P=0.500N
ORDER RESTRICTED	P=0.286N	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.302N	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

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

DOSE	Females				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L
Liver Hemorrhage					
LESION RATES					
OVERALL (a)	0/50 (0%)	1/50 (2%)	1/50 (2%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	0/44.37	1/44.14	1/44.19	1/43.55	0/42.89
POLY-3 PERCENT (g)	0%	2.3%	2.3%	2.3%	0%
TERMINAL (d)	0/33 (0%)	0/32 (0%)	1/32 (3%)	0/36 (0%)	0/31 (0%)
FIRST INCIDENCE	---	646	729 (T)	653	---
.....					
STATISTICAL TESTS					
LIFE TABLE	P=0.467N	P=0.510	P=0.494	P=0.495	(e)
POLY 3	P=0.461N	P=0.499	P=0.499	P=0.496	(e)
POLY 1.5	P=0.458N	P=0.499	P=0.499	P=0.497	(e)
POLY 6	P=0.464N	P=0.499	P=0.499	P=0.498	(e)
LOGISTIC REGRESSION	P=0.445N	P=0.520	P=0.494	P=0.522	(e)
COCH-ARM / FISHERS	P=0.452N	P=0.500	P=0.500	P=0.500	(e)
ORDER RESTRICTED	P=0.429	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.440	(e)	(e)	(e)	(e)
.....					

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

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

DOSE	Females				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

Liver
 Hepatodiaphragmatic Nodule

LESION RATES

OVERALL (a)	5/50 (10%)	3/50 (6%)	9/50 (18%)	10/50 (20%)	9/50 (18%)
POLY-3 RATE (b)	5/44.65	3/44.06	9/44.71	10/44.04	9/43.86
POLY-3 PERCENT (g)	11.2%	6.8%	20.1%	22.7%	20.5%
TERMINAL (d)	4/33 (12%)	2/32 (6%)	6/32 (19%)	9/36 (25%)	6/31 (19%)
FIRST INCIDENCE	654	671	659	447	595

STATISTICAL TESTS

LIFE TABLE	P=0.095	P=0.370N	P=0.195	P=0.165	P=0.167
POLY 3	P=0.103	P=0.363N	P=0.191	P=0.121	P=0.180
POLY 1.5	P=0.107	P=0.362N	P=0.192	P=0.124	P=0.185
POLY 6	P=0.102	P=0.365N	P=0.192	P=0.120	P=0.178
LOGISTIC REGRESSION	P=0.100	P=0.363N	P=0.189	P=0.121	P=0.178
COCH-ARM / FISHERS	P=0.114	P=0.357N	P=0.194	P=0.131	P=0.194
ORDER RESTRICTED	P=0.083	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.095	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

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

DOSE	Females				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L
Liver					
Infiltration Cellular Histiocyte					
LESION RATES					
OVERALL (a)	1/50 (2%)	5/50 (10%)	21/50 (42%)	42/50 (84%)	47/50 (94%)
POLY-3 RATE (b)	1/44.37	5/44.11	21/46.26	42/46.91	47/48.57
POLY-3 PERCENT (g)	2.3%	11.3%	45.4%	89.5%	96.8%
TERMINAL (d)	1/33 (3%)	4/32 (13%)	14/32 (44%)	33/36 (92%)	31/31 (100%)
FIRST INCIDENCE	729 (T)	657	554	559	461
.....					
STATISTICAL TESTS					
LIFE TABLE	P<0.001**	P=0.100	P<0.001**	P<0.001**	P<0.001**
POLY 3	P<0.001**	P=0.099	P<0.001**	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P=0.100	P<0.001**	P<0.001**	P<0.001**
POLY 6	P<0.001**	P=0.099	P<0.001**	P<0.001**	P<0.001**
LOGISTIC REGRESSION	P<0.001**	P=0.098	P<0.001**	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.102	P<0.001**	P<0.001**	P<0.001**
ORDER RESTRICTED	P<0.001**	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P<0.001**	(e)	(e)	(e)	(e)
.....					

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

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

DOSE	Females				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L
Liver Inflammation Chronic					
LESION RATES					
OVERALL (a)	12/50 (24%)	21/50 (42%)	28/50 (56%)	35/50 (70%)	39/50 (78%)
POLY-3 RATE (b)	12/44.84	21/45.01	28/45.83	35/46.36	39/48.27
POLY-3 PERCENT (g)	26.8%	46.7%	61.1%	75.5%	80.8%
TERMINAL (d)	10/33 (30%)	17/32 (53%)	23/32 (72%)	29/36 (81%)	26/31 (84%)
FIRST INCIDENCE	623	560	534	447	461
STATISTICAL TESTS					
LIFE TABLE	P<0.001**	P=0.036*	P<0.001**	P<0.001**	P<0.001**
POLY 3	P<0.001**	P=0.037*	P<0.001**	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P=0.039*	P<0.001**	P<0.001**	P<0.001**
POLY 6	P<0.001**	P=0.036*	P<0.001**	P<0.001**	P<0.001**
LOGISTIC REGRESSION	P<0.001**	P=0.036*	P<0.001**	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.044*	P<0.001**	P<0.001**	P<0.001**
ORDER RESTRICTED	P<0.001**	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P<0.001**	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

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

DOSE	Females				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L
Liver					
Mixed Cell Focus					
LESION RATES					
OVERALL (a)	9/50 (18%)	6/50 (12%)	10/50 (20%)	20/50 (40%)	18/50 (36%)
POLY-3 RATE (b)	9/44.58	6/44.03	10/45.52	20/45.00	18/44.29
POLY-3 PERCENT (g)	20.2%	13.6%	22%	44.4%	40.6%
TERMINAL (d)	7/33 (21%)	5/32 (16%)	5/32 (16%)	17/36 (47%)	13/31 (42%)
FIRST INCIDENCE	700	678	534	493	567
STATISTICAL TESTS					
LIFE TABLE	P=0.002**	P=0.315N	P=0.481	P=0.024*	P=0.028*
POLY 3	P=0.002**	P=0.294N	P=0.520	P=0.010**	P=0.028*
POLY 1.5	P=0.002**	P=0.293N	P=0.511	P=0.011*	P=0.030*
POLY 6	P<0.001**	P=0.295N	P=0.535	P=0.011*	P=0.027*
LOGISTIC REGRESSION	P=0.002**	P=0.301N	P=0.497	P=0.010**	P=0.025*
COCH-ARM / FISHERS	P=0.003**	P=0.288N	P=0.500	P=0.013*	P=0.035*
ORDER RESTRICTED	P=0.003**	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.003**	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

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

DOSE	Females				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L
Liver Necrosis					
LESION RATES					
OVERALL (a)	5/50 (10%)	7/50 (14%)	4/50 (8%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	5/45.00	7/45.08	4/44.19	0/43.27	1/42.95
POLY-3 PERCENT (g)	11.1%	15.5%	9.1%	0%	2.3%
TERMINAL (d)	3/33 (9%)	4/32 (13%)	4/32 (13%)	0/36 (0%)	0/31 (0%)
FIRST INCIDENCE	575	387	729 (T)	---	715
.....					
STATISTICAL TESTS					
LIFE TABLE	P=0.023N*	P=0.366	P=0.525N	P=0.033N*	P=0.122N
POLY 3	P=0.021N*	P=0.380	P=0.511N	P=0.034N*	P=0.112N
POLY 1.5	P=0.020N*	P=0.380	P=0.507N	P=0.033N*	P=0.108N
POLY 6	P=0.021N*	P=0.379	P=0.518N	P=0.034N*	P=0.116N
LOGISTIC REGRESSION	P=0.020N*	P=0.395	P=0.503N	P=0.033N*	P=0.106N
COCH-ARM / FISHERS	P=0.020N*	P=0.380	P=0.500N	P=0.028N*	P=0.102N
ORDER RESTRICTED	P=0.021N*	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.030N*	(e)	(e)	(e)	(e)
.....					

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

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

DOSE	Females				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L
Liver Regeneration					
LESION RATES					
OVERALL (a)	0/50 (0%)	1/50 (2%)	1/50 (2%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/44.37	1/43.88	1/44.42	0/43.27	0/42.89
POLY-3 PERCENT (g)	0%	2.3%	2.3%	0%	0%
TERMINAL (d)	0/33 (0%)	0/32 (0%)	0/32 (0%)	0/36 (0%)	0/31 (0%)
FIRST INCIDENCE	---	718	667	---	---
.....					
STATISTICAL TESTS					
LIFE TABLE	P=0.419N	P=0.494	P=0.505	(e)	(e)
POLY 3	P=0.417N	P=0.498	P=0.500	(e)	(e)
POLY 1.5	P=0.415N	P=0.498	P=0.500	(e)	(e)
POLY 6	P=0.417N	P=0.497	P=0.501	(e)	(e)
LOGISTIC REGRESSION	P=0.412N	P=0.496	P=0.504	(e)	(e)
COCH-ARM / FISHERS	P=0.412N	P=0.500	P=0.500	(e)	(e)
ORDER RESTRICTED	P=0.401N	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.414N	(e)	(e)	(e)	(e)
.....					

TDMS No. 20114 - 07
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Sodium dichromate dihydrate (VI)
CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
Time Report Requested: 10:38:19
First Dose M/F: 10/02/02 / 10/02/02
Lab: SRI

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

DOSE	Females				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

Liver: Bile Duct
Hyperplasia

LESION RATES

OVERALL (a)	2/50 (4%)	0/50 (0%)	5/50 (10%)	3/50 (6%)	4/50 (8%)
POLY-3 RATE (b)	2/44.76	0/43.84	5/45.22	3/44.41	4/43.18
POLY-3 PERCENT (g)	4.5%	0%	11.1%	6.8%	9.3%
TERMINAL (d)	1/33 (3%)	0/32 (0%)	3/32 (9%)	1/36 (3%)	3/31 (10%)
FIRST INCIDENCE	618	---	571	379	652

STATISTICAL TESTS

LIFE TABLE	P=0.187	P=0.243N	P=0.209	P=0.507	P=0.310
POLY 3	P=0.195	P=0.242N	P=0.220	P=0.496	P=0.320
POLY 1.5	P=0.200	P=0.240N	P=0.219	P=0.497	P=0.327
POLY 6	P=0.191	P=0.244N	P=0.222	P=0.499	P=0.314
LOGISTIC REGRESSION	P=0.229	P=0.230N	P=0.221	P=0.605	P=0.329
COCH-ARM / FISHERS	P=0.208	P=0.247N	P=0.218	P=0.500	P=0.339
ORDER RESTRICTED	P=0.146	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.163	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

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

DOSE	Females				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

Liver: Centrilobular
 Necrosis

LESION RATES

OVERALL (a)	4/50 (8%)	2/50 (4%)	1/50 (2%)	2/50 (4%)	0/50 (0%)
POLY-3 RATE (b)	4/44.92	2/44.30	1/44.41	2/44.19	0/42.89
POLY-3 PERCENT (g)	8.9%	4.5%	2.3%	4.5%	0%
TERMINAL (d)	1/33 (3%)	0/32 (0%)	0/32 (0%)	0/36 (0%)	0/31 (0%)
FIRST INCIDENCE	654	646	671	447	---

STATISTICAL TESTS

LIFE TABLE	P=0.098N	P=0.361N	P=0.191N	P=0.350N	P=0.077N
POLY 3	P=0.093N	P=0.343N	P=0.182N	P=0.345N	P=0.066N
POLY 1.5	P=0.091N	P=0.342N	P=0.181N	P=0.343N	P=0.064N
POLY 6	P=0.095N	P=0.345N	P=0.184N	P=0.344N	P=0.069N
LOGISTIC REGRESSION	P=0.077N	P=0.331N	P=0.178N	P=0.283N	P=0.063N
COCH-ARM / FISHERS	P=0.088N	P=0.339N	P=0.181N	P=0.339N	P=0.059N
ORDER RESTRICTED	P=0.025N*	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.035N*	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

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

DOSE	Females				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

Liver: Kupffer Cell
 Pigmentation

LESION RATES

OVERALL (a)	1/50 (2%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	1/44.53	1/43.88	0/44.19	0/43.27	0/42.89
POLY-3 PERCENT (g)	2.3%	2.3%	0%	0%	0%
TERMINAL (d)	0/33 (0%)	0/32 (0%)	0/32 (0%)	0/36 (0%)	0/31 (0%)
FIRST INCIDENCE	689	718	---	---	---

STATISTICAL TESTS

LIFE TABLE	P=0.337N	P=0.745	P=0.511N	P=0.511N	P=0.522N
POLY 3	P=0.334N	P=0.757	P=0.502N	P=0.506N	P=0.507N
POLY 1.5	P=0.334N	P=0.758	P=0.501N	P=0.504N	P=0.505N
POLY 6	P=0.334N	P=0.756	P=0.502N	P=0.506N	P=0.510N
LOGISTIC REGRESSION	P=0.335N	P=0.761	P=0.499N	P=0.499N	P=0.499N
COCH-ARM / FISHERS	P=0.332N	P=0.753N	P=0.500N	P=0.500N	P=0.500N
ORDER RESTRICTED	P=0.229N	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.246N	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

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

DOSE	Females				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

Lung Hemorrhage

LESION RATES

OVERALL (a)	2/50 (4%)	4/50 (8%)	4/50 (8%)	1/50 (2%)	2/50 (4%)
POLY-3 RATE (b)	2/44.37	4/43.84	4/44.98	1/43.27	2/43.13
POLY-3 PERCENT (g)	4.5%	9.1%	8.9%	2.3%	4.6%
TERMINAL (d)	2/33 (6%)	4/32 (13%)	1/32 (3%)	1/36 (3%)	1/31 (3%)
FIRST INCIDENCE	729 (T)	729 (T)	554	729 (T)	667

STATISTICAL TESTS

LIFE TABLE	P=0.341N	P=0.321	P=0.333	P=0.470N	P=0.672
POLY 3	P=0.334N	P=0.331	P=0.343	P=0.509N	P=0.684
POLY 1.5	P=0.329N	P=0.333	P=0.340	P=0.507N	P=0.687
POLY 6	P=0.336N	P=0.329	P=0.348	P=0.508N	P=0.682
LOGISTIC REGRESSION	P=0.334N	P=0.321	P=0.338	P=0.470N	P=0.680
COCH-ARM / FISHERS	P=0.321N	P=0.339	P=0.339	P=0.500N	P=0.691N
ORDER RESTRICTED	P=0.369N	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.381N	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

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

DOSE	Females				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

Lung
 Infiltration Cellular Histiocyte

LESION RATES

OVERALL (a)	45/50 (90%)	48/50 (96%)	42/50 (84%)	46/50 (92%)	47/50 (94%)
POLY-3 RATE (b)	45/48.05	48/49.78	42/49.26	46/49.47	47/49.57
POLY-3 PERCENT (g)	93.7%	96.4%	85.3%	93%	94.8%
TERMINAL (d)	32/33 (97%)	31/32 (97%)	26/32 (81%)	33/36 (92%)	29/31 (94%)
FIRST INCIDENCE	524	387	454	379	461

STATISTICAL TESTS

LIFE TABLE	P=0.268	P=0.283	P=0.442N	P=0.476N	P=0.263
POLY 3	P=0.376	P=0.426	P=0.140N	P=0.617N	P=0.582
POLY 1.5	P=0.342	P=0.319	P=0.191N	P=0.624	P=0.476
POLY 6	P=0.426	P=0.593	P=0.092N	P=0.504N	P=0.686N
LOGISTIC REGRESSION	P=0.285	P=0.166	P=0.283N	P=0.416	P=0.270
COCH-ARM / FISHERS	P=0.301	P=0.218	P=0.277N	P=0.500	P=0.357
ORDER RESTRICTED	P=0.366N	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.378N	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

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

DOSE	Females				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

Lung
Inflammation Chronic

LESION RATES

OVERALL (a)	2/50 (4%)	1/50 (2%)	3/50 (6%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	2/44.37	1/43.84	3/44.19	0/43.27	1/42.89
POLY-3 PERCENT (g)	4.5%	2.3%	6.8%	0%	2.3%
TERMINAL (d)	2/33 (6%)	1/32 (3%)	3/32 (9%)	0/36 (0%)	1/31 (3%)
FIRST INCIDENCE	729 (T)	729 (T)	729 (T)	---	729 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.363N	P=0.511N	P=0.486	P=0.219N	P=0.522N
POLY 3	P=0.360N	P=0.504N	P=0.498	P=0.243N	P=0.512N
POLY 1.5	P=0.357N	P=0.503N	P=0.499	P=0.241N	P=0.507N
POLY 6	P=0.362N	P=0.505N	P=0.498	P=0.242N	P=0.516N
LOGISTIC REGRESSION	P=0.363N	P=0.511N	P=0.486	(e)	P=0.522N
COCH-ARM / FISHERS	P=0.353N	P=0.500N	P=0.500	P=0.247N	P=0.500N
ORDER RESTRICTED	P=0.322N	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.336N	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

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

DOSE	Females				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

**Lung: Alveolar Epithelium
 Hyperplasia**

LESION RATES

OVERALL (a)	11/50 (22%)	7/50 (14%)	12/50 (24%)	9/50 (18%)	10/50 (20%)
POLY-3 RATE (b)	11/44.81	7/45.23	12/45.17	9/44.66	10/43.54
POLY-3 PERCENT (g)	24.6%	15.5%	26.6%	20.2%	23%
TERMINAL (d)	9/33 (27%)	5/32 (16%)	9/32 (28%)	6/36 (17%)	8/31 (26%)
FIRST INCIDENCE	654	387	554	531	595

STATISTICAL TESTS

LIFE TABLE	P=0.490	P=0.241N	P=0.477	P=0.356N	P=0.569N
POLY 3	P=0.498	P=0.207N	P=0.509	P=0.403N	P=0.530N
POLY 1.5	P=0.513	P=0.211N	P=0.505	P=0.407N	P=0.519N
POLY 6	P=0.488	P=0.205N	P=0.515	P=0.389N	P=0.539N
LOGISTIC REGRESSION	P=0.524	P=0.218N	P=0.495	P=0.419N	P=0.546N
COCH-ARM / FISHERS	P=0.540	P=0.218N	P=0.500	P=0.402N	P=0.500N
ORDER RESTRICTED	P=0.606N	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.607N	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Sodium dichromate dihydrate (VI)
CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
Time Report Requested: 10:38:19
First Dose M/F: 10/02/02 / 10/02/02
Lab: SRI

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

DOSE	Females				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

Lymph Node, Mandibular
Ectasia

LESION RATES

OVERALL (a)	0/4 (0%)	0/0 (0%)	0/3 (0%)	0/2 (0%)	1/3 (33%)
POLY-3 RATE (b)	0/4.00	0/0.00	0/2.17	0/2.00	1/2.47
POLY-3 PERCENT (g)	0%	0%	0%	0%	40.5%
TERMINAL (d)	0/4 (0%)	0/0 (0%)	0/1 (0%)	0/2 (0%)	0/1 (0%)
FIRST INCIDENCE	---	---	---	---	652

STATISTICAL TESTS

LIFE TABLE	P=0.152	(e)	(e)	(e)	P=0.489
POLY 3	(e)	(e)	(e)	(e)	P=0.399
POLY 1.5	(e)	(e)	(e)	(e)	P=0.417
POLY 6	(e)	(e)	(e)	(e)	P=0.377
LOGISTIC REGRESSION	P=0.237	(e)	(e)	(e)	P=0.709
COCH-ARM / FISHERS	P=0.192	(e)	(e)	(e)	P=0.429
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

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

DOSE	Females				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

Lymph Node, Mesenteric
 Hemorrhage

LESION RATES

OVERALL (a)	11/50 (22%)	13/50 (26%)	16/50 (32%)	14/50 (28%)	21/50 (42%)
POLY-3 RATE (b)	11/44.91	13/45.75	16/46.53	14/44.05	21/46.25
POLY-3 PERCENT (g)	24.5%	28.4%	34.4%	31.8%	45.4%
TERMINAL (d)	8/33 (24%)	8/32 (25%)	10/32 (31%)	12/36 (33%)	13/31 (42%)
FIRST INCIDENCE	631	461	454	559	461

STATISTICAL TESTS

LIFE TABLE	P=0.020*	P=0.386	P=0.177	P=0.395	P=0.025*
POLY 3	P=0.022*	P=0.426	P=0.208	P=0.298	P=0.027*
POLY 1.5	P=0.022*	P=0.417	P=0.198	P=0.304	P=0.026*
POLY 6	P=0.023*	P=0.438	P=0.222	P=0.300	P=0.030*
LOGISTIC REGRESSION	P=0.022*	P=0.402	P=0.183	P=0.294	P=0.026*
COCH-ARM / FISHERS	P=0.023*	P=0.408	P=0.184	P=0.322	P=0.026*
ORDER RESTRICTED	P=0.021*	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.029*	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

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

DOSE	Females				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

Lymph Node, Mesenteric
 Hyperplasia Lymphoid

LESION RATES

OVERALL (a)	0/50 (0%)	0/50 (0%)	2/50 (4%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/44.37	0/43.84	2/44.91	0/43.27	0/42.89
POLY-3 PERCENT (g)	0%	0%	4.5%	0%	0%
TERMINAL (d)	0/33 (0%)	0/32 (0%)	0/32 (0%)	0/36 (0%)	0/31 (0%)
FIRST INCIDENCE	---	---	554	---	---

STATISTICAL TESTS

LIFE TABLE	P=0.483N	(e)	P=0.234	(e)	(e)
POLY 3	P=0.476N	(e)	P=0.240	(e)	(e)
POLY 1.5	P=0.476N	(e)	P=0.239	(e)	(e)
POLY 6	P=0.476N	(e)	P=0.242	(e)	(e)
LOGISTIC REGRESSION	P=0.451N	(e)	P=0.250	(e)	(e)
COCH-ARM / FISHERS	P=0.475N	(e)	P=0.247	(e)	(e)
ORDER RESTRICTED	P=0.393	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.405	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Sodium dichromate dihydrate (VI)
CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
Time Report Requested: 10:38:19
First Dose M/F: 10/02/02 / 10/02/02
Lab: SRI

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

DOSE	Females				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

Lymph Node, Mesenteric
Infiltration Cellular Histiocyte

LESION RATES

OVERALL (a)	21/50 (42%)	18/50 (36%)	27/50 (54%)	36/50 (72%)	42/50 (84%)
POLY-3 RATE (b)	21/46.26	18/44.93	27/45.63	36/45.10	42/47.57
POLY-3 PERCENT (g)	45.4%	40.1%	59.2%	79.8%	88.3%
TERMINAL (d)	15/33 (46%)	14/32 (44%)	20/32 (63%)	31/36 (86%)	27/31 (87%)
FIRST INCIDENCE	524	618	602	590	560

STATISTICAL TESTS

LIFE TABLE	P<0.001**	P=0.391N	P=0.146	P=0.009**	P<0.001**
POLY 3	P<0.001**	P=0.380N	P=0.127	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P=0.366N	P=0.138	P<0.001**	P<0.001**
POLY 6	P<0.001**	P=0.395N	P=0.118	P<0.001**	P<0.001**
LOGISTIC REGRESSION	P<0.001**	P=0.355N	P=0.148	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.341N	P=0.158	P=0.002**	P<0.001**
ORDER RESTRICTED	P<0.001**	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P<0.001**	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

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

DOSE	Females				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

Lymph Node, Pancreatic
 Hemorrhage

LESION RATES

OVERALL (a)	3/29 (10%)	0/36 (0%)	2/30 (7%)	0/34 (0%)	4/33 (12%)
POLY-3 RATE (b)	3/25.62	0/30.98	2/26.04	0/28.71	4/29.98
POLY-3 PERCENT (g)	11.7%	0%	7.7%	0%	13.3%
TERMINAL (d)	2/18 (11%)	0/20 (0%)	1/18 (6%)	0/25 (0%)	3/22 (14%)
FIRST INCIDENCE	623	---	667	---	506

STATISTICAL TESTS

LIFE TABLE	P=0.157	P=0.108N	P=0.496N	P=0.088N	P=0.574
POLY 3	P=0.145	P=0.083N	P=0.492N	P=0.095N	P=0.587
POLY 1.5	P=0.141	P=0.082N	P=0.490N	P=0.093N	P=0.580
POLY 6	P=0.152	P=0.085N	P=0.494N	P=0.093N	P=0.595
LOGISTIC REGRESSION	P=0.137	P=0.084N	P=0.487N	P=0.094N	P=0.564
COCH-ARM / FISHERS	P=0.138	P=0.084N	P=0.484N	P=0.092N	P=0.574
ORDER RESTRICTED	P=0.147	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.164	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Sodium dichromate dihydrate (VI)
CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
Time Report Requested: 10:38:19
First Dose M/F: 10/02/02 / 10/02/02
Lab: SRI

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

DOSE	Females				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

Lymph Node, Pancreatic
Hyperplasia Lymphoid

LESION RATES

OVERALL (a)	0/29 (0%)	0/36 (0%)	0/30 (0%)	0/34 (0%)	2/33 (6%)
POLY-3 RATE (b)	0/25.25	0/30.98	0/25.81	0/28.71	2/29.98
POLY-3 PERCENT (g)	0%	0%	0%	0%	6.7%
TERMINAL (d)	0/18 (0%)	0/20 (0%)	0/18 (0%)	0/25 (0%)	1/22 (5%)
FIRST INCIDENCE	---	---	---	---	506

STATISTICAL TESTS

LIFE TABLE	P=0.023*	(e)	(e)	(e)	P=0.262
POLY 3	P=0.021*	(e)	(e)	(e)	P=0.275
POLY 1.5	P=0.021*	(e)	(e)	(e)	P=0.271
POLY 6	P=0.022*	(e)	(e)	(e)	P=0.281
LOGISTIC REGRESSION	P=0.013*	(e)	(e)	(e)	P=0.238
COCH-ARM / FISHERS	P=0.021*	(e)	(e)	(e)	P=0.279
ORDER RESTRICTED	P=0.027*	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.037*	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Sodium dichromate dihydrate (VI)
CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
Time Report Requested: 10:38:19
First Dose M/F: 10/02/02 / 10/02/02
Lab: SRI

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

DOSE	Females				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

Lymph Node, Pancreatic
Infiltration Cellular Histiocyte

LESION RATES

OVERALL (a)	17/29 (59%)	20/36 (56%)	23/30 (77%)	32/34 (94%)	27/33 (82%)
POLY-3 RATE (b)	17/26.23	20/33.07	23/29.68	32/33.39	27/32.57
POLY-3 PERCENT (g)	64.8%	60.5%	77.5%	95.9%	82.9%
TERMINAL (d)	13/18 (72%)	13/20 (65%)	13/18 (72%)	24/25 (96%)	18/22 (82%)
FIRST INCIDENCE	595	560	454	379	506

STATISTICAL TESTS

LIFE TABLE	P=0.094	P=0.444	P=0.135	P=0.024*	P=0.083
POLY 3	P=0.026*	P=0.470N	P=0.219	P<0.001**	P=0.088
POLY 1.5	P=0.017*	P=0.488N	P=0.166	P<0.001**	P=0.062
POLY 6	P=0.046*	P=0.441N	P=0.313	P=0.002**	P=0.142
LOGISTIC REGRESSION	P=0.013*	P=0.519N	P=0.109	P<0.001**	P=0.045*
COCH-ARM / FISHERS	P=0.013*	P=0.502N	P=0.114	P<0.001**	P=0.042*
ORDER RESTRICTED	P=0.007**	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.013*	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

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

DOSE	Females				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

Lymph Node, Pancreatic
 Pigmentation

LESION RATES

OVERALL (a)	2/29 (7%)	0/36 (0%)	0/30 (0%)	0/34 (0%)	1/33 (3%)
POLY-3 RATE (b)	2/25.25	0/30.98	0/25.81	0/28.71	1/29.31
POLY-3 PERCENT (g)	7.9%	0%	0%	0%	3.4%
TERMINAL (d)	2/18 (11%)	0/20 (0%)	0/18 (0%)	0/25 (0%)	1/22 (5%)
FIRST INCIDENCE	729 (T)	---	---	---	729 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.674	P=0.214N	P=0.237N	P=0.168N	P=0.429N
POLY 3	P=0.652	P=0.190N	P=0.230N	P=0.206N	P=0.448N
POLY 1.5	P=0.648	P=0.190N	P=0.229N	P=0.206N	P=0.451N
POLY 6	P=0.657	P=0.191N	P=0.229N	P=0.203N	P=0.442N
LOGISTIC REGRESSION	P=0.674	(e)	(e)	(e)	P=0.429N
COCH-ARM / FISHERS	P=0.643	P=0.195N	P=0.237N	P=0.208N	P=0.451N
ORDER RESTRICTED	P=0.059N	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.070N	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Sodium dichromate dihydrate (VI)
CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
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First Dose M/F: 10/02/02 / 10/02/02
Lab: SRI

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

DOSE	Females				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

Lymph Node: Deep Cervical
Ectasia

LESION RATES

OVERALL (a)	0/8 (0%)	0/11 (0%)	0/9 (0%)	0/4 (0%)	0/11 (0%)
POLY-3 RATE (b)	0/6.18	0/10.05	0/6.87	0/3.08	0/7.23
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%
TERMINAL (d)	0/2 (0%)	0/7 (0%)	0/2 (0%)	0/2 (0%)	0/2 (0%)
FIRST INCIDENCE	---	---	---	---	---

STATISTICAL TESTS

LIFE TABLE	(e)	(e)	(e)	(e)	(e)
POLY 3	(e)	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)	(e)
LOGISTIC REGRESSION	(e)	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)	(e)
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Sodium dichromate dihydrate (VI)
CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
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First Dose M/F: 10/02/02 / 10/02/02
Lab: SRI

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

DOSE	Females				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

Lymph Node: Deep Cervical
Hyperplasia Lymphoid

LESION RATES

OVERALL (a)	0/8 (0%)	0/11 (0%)	0/9 (0%)	0/4 (0%)	0/11 (0%)
POLY-3 RATE (b)	0/6.18	0/10.05	0/6.87	0/3.08	0/7.23
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%
TERMINAL (d)	0/2 (0%)	0/7 (0%)	0/2 (0%)	0/2 (0%)	0/2 (0%)
FIRST INCIDENCE	---	---	---	---	---

STATISTICAL TESTS

LIFE TABLE	(e)	(e)	(e)	(e)	(e)
POLY 3	(e)	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)	(e)
LOGISTIC REGRESSION	(e)	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)	(e)
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
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 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

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

DOSE	Females				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

Lymph Node: Mediastinal
 Ectasia

LESION RATES

OVERALL (a)	0/8 (0%)	1/11 (9%)	0/9 (0%)	0/4 (0%)	2/11 (18%)
POLY-3 RATE (b)	0/6.18	1/10.13	0/6.87	0/3.08	2/7.75
POLY-3 PERCENT (g)	0%	9.9%	0%	0%	25.8%
TERMINAL (d)	0/2 (0%)	0/7 (0%)	0/2 (0%)	0/2 (0%)	0/2 (0%)
FIRST INCIDENCE	---	710	---	---	583

STATISTICAL TESTS

LIFE TABLE	P=0.099	P=0.500	(e)	(e)	P=0.229
POLY 3	P=0.119	P=0.596	(e)	(e)	P=0.272
POLY 1.5	P=0.127	P=0.581	(e)	(e)	P=0.284
POLY 6	P=0.114	P=0.618	(e)	(e)	P=0.269
LOGISTIC REGRESSION	P=0.109	P=0.630	(e)	(e)	P=0.280
COCH-ARM / FISHERS	P=0.139	P=0.579	(e)	(e)	P=0.322
ORDER RESTRICTED	P=0.070	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.101	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
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 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

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

DOSE	Females				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

Lymph Node: Mediastinal
 Hemorrhage

LESION RATES

OVERALL (a)	3/8 (38%)	4/11 (36%)	2/9 (22%)	3/4 (75%)	4/11 (36%)
POLY-3 RATE (b)	3/6.64	4/10.05	2/7.26	3/4.00	4/8.44
POLY-3 PERCENT (g)	45.2%	39.8%	27.6%	75%	47.4%
TERMINAL (d)	1/2 (50%)	4/7 (57%)	0/2 (0%)	1/2 (50%)	1/2 (50%)
FIRST INCIDENCE	623	729 (T)	667	567	506

STATISTICAL TESTS

LIFE TABLE	P=0.227	P=0.344N	P=0.506N	P=0.657	P=0.488
POLY 3	P=0.411	P=0.610N	P=0.451N	P=0.375	P=0.668
POLY 1.5	P=0.454	P=0.631N	P=0.443N	P=0.327	P=0.677
POLY 6	P=0.376	P=0.580N	P=0.470N	P=0.451	P=0.668
LOGISTIC REGRESSION	P=0.417	P=0.492N	P=0.447N	P=0.270	P=0.650
COCH-ARM / FISHERS	P=0.523	P=0.663N	P=0.437N	P=0.273	P=0.663N
ORDER RESTRICTED	P=0.402	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.433	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Sodium dichromate dihydrate (VI)
CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
Time Report Requested: 10:38:19
First Dose M/F: 10/02/02 / 10/02/02
Lab: SRI

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

DOSE	Females				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

Lymph Node: Mediastinal
Hyperplasia Lymphoid

LESION RATES

OVERALL (a)	2/8 (25%)	5/11 (45%)	2/9 (22%)	1/4 (25%)	6/11 (55%)
POLY-3 RATE (b)	2/6.29	5/10.32	2/7.18	1/3.47	6/9.35
POLY-3 PERCENT (g)	31.8%	48.5%	27.9%	28.8%	64.1%
TERMINAL (d)	1/2 (50%)	4/7 (57%)	0/2 (0%)	0/2 (0%)	0/2 (0%)
FIRST INCIDENCE	700	657	662	618	461

STATISTICAL TESTS

LIFE TABLE	P=0.062	P=0.656	P=0.691	P=0.505N	P=0.142
POLY 3	P=0.153	P=0.441	P=0.665N	P=0.725N	P=0.221
POLY 1.5	P=0.156	P=0.393	P=0.661N	P=0.733N	P=0.211
POLY 6	P=0.157	P=0.516	P=0.676N	P=0.706N	P=0.255
LOGISTIC REGRESSION	P=0.119	P=0.553	P=0.718N	P=0.762	P=0.195
COCH-ARM / FISHERS	P=0.161	P=0.337	P=0.665N	P=0.745	P=0.208
ORDER RESTRICTED	P=0.164	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.230	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Sodium dichromate dihydrate (VI)
CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
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Lab: SRI

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

DOSE	Females				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

Lymph Node: Mediastinal
Pigmentation

LESION RATES

OVERALL (a)	1/8 (13%)	4/11 (36%)	0/9 (0%)	2/4 (50%)	1/11 (9%)
POLY-3 RATE (b)	1/6.27	4/10.32	0/6.87	2/3.08	1/7.23
POLY-3 PERCENT (g)	16%	38.8%	0%	64.9%	13.8%
TERMINAL (d)	0/2 (0%)	3/7 (43%)	0/2 (0%)	2/2 (100%)	1/2 (50%)
FIRST INCIDENCE	707	657	---	729 (T)	729 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.640N	P=0.432	P=0.506N	P=0.504	P=0.760
POLY 3	P=0.436N	P=0.339	P=0.481N	P=0.210	P=0.738N
POLY 1.5	P=0.392N	P=0.304	P=0.478N	P=0.225	P=0.717N
POLY 6	P=0.491N	P=0.395	P=0.492N	P=0.187	P=0.760N
LOGISTIC REGRESSION	P=0.540N	P=0.376	P=0.497N	P=0.253	P=0.746N
COCH-ARM / FISHERS	P=0.342N	P=0.267	P=0.471N	P=0.236	P=0.678N
ORDER RESTRICTED	P=0.407N	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.424N	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

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 Lab: SRI

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

DOSE	Females				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

**Mammary Gland
Hyperplasia**

LESION RATES

OVERALL (a)	47/50 (94%)	50/50 (100%)	45/50 (90%)	49/50 (98%)	44/50 (88%)
POLY-3 RATE (b)	47/48.86	50/50.00	45/48.56	49/49.14	44/48.04
POLY-3 PERCENT (g)	96.2%	100%	92.7%	99.7%	91.6%
TERMINAL (d)	32/33 (97%)	32/32 (100%)	30/32 (94%)	36/36 (100%)	28/31 (90%)
FIRST INCIDENCE	489	387	534	447	472

STATISTICAL TESTS

LIFE TABLE	P=0.408N	P=0.287	P=0.511N	P=0.546N	P=0.550N
POLY 3	P=0.089N	P=0.224	P=0.364N	P=0.268	P=0.283N
POLY 1.5	P=0.072N	P=0.162	P=0.362N	P=0.252	P=0.265N
POLY 6	P=0.113N	P=0.349	P=0.369N	P=0.361	P=0.299N
LOGISTIC REGRESSION	P=0.088N	P=0.078	P=0.375N	P=0.108	P=0.350N
COCH-ARM / FISHERS	P=0.063N	P=0.121	P=0.357N	P=0.309	P=0.243N
ORDER RESTRICTED	P=0.050N*	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.059N	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

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 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

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

DOSE	Females				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

Mesentery: Fat
 Necrosis

LESION RATES

OVERALL (a)	11/11 (100%)	10/13 (77%)	11/12 (92%)	12/15 (80%)	9/10 (90%)
POLY-3 RATE (b)	11/11.00	10/13.00	11/12.00	12/13.97	9/10.00
POLY-3 PERCENT (g)	100%	76.9%	91.7%	85.9%	90%
TERMINAL (d)	7/7 (100%)	7/10 (70%)	5/6 (83%)	9/10 (90%)	5/6 (83%)
FIRST INCIDENCE	575	461	554	531	461

STATISTICAL TESTS

LIFE TABLE	P=0.563	P=0.223N	P=0.498	P=0.403N	P=0.523N
POLY 3	P=0.633	P=0.134N	P=0.517N	P=0.262N	P=0.481N
POLY 1.5	P=0.638	P=0.134N	P=0.517N	P=0.208N	P=0.481N
POLY 6	P=0.625	P=0.134N	P=0.517N	P=0.376N	P=0.481N
LOGISTIC REGRESSION	P=0.633N	(e)	(e)	P=0.220N	(e)
COCH-ARM / FISHERS	P=0.641N	P=0.141N	P=0.522N	P=0.175N	P=0.476N
ORDER RESTRICTED	P=0.286N	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.271N	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Sodium dichromate dihydrate (VI)
CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
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First Dose M/F: 10/02/02 / 10/02/02
Lab: SRI

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

DOSE	Females				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L
Nose					
Foreign Body					
LESION RATES					
OVERALL (a)	3/50 (6%)	1/50 (2%)	1/50 (2%)	1/50 (2%)	3/50 (6%)
POLY-3 RATE (b)	3/44.75	1/44.11	1/44.19	1/43.27	3/43.18
POLY-3 PERCENT (g)	6.7%	2.3%	2.3%	2.3%	7%
TERMINAL (d)	2/33 (6%)	0/32 (0%)	1/32 (3%)	1/36 (3%)	2/31 (7%)
FIRST INCIDENCE	623	657	729 (T)	729 (T)	652
.....					
STATISTICAL TESTS					
LIFE TABLE	P=0.305	P=0.307N	P=0.313N	P=0.288N	P=0.636
POLY 3	P=0.318	P=0.310N	P=0.310N	P=0.317N	P=0.646
POLY 1.5	P=0.322	P=0.309N	P=0.308N	P=0.314N	P=0.652
POLY 6	P=0.316	P=0.311N	P=0.312N	P=0.318N	P=0.641
LOGISTIC REGRESSION	P=0.319	P=0.301N	P=0.306N	P=0.311N	P=0.655
COCH-ARM / FISHERS	P=0.328	P=0.309N	P=0.309N	P=0.309N	P=0.661N
ORDER RESTRICTED	P=0.350	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.363	(e)	(e)	(e)	(e)
.....					

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

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 Lab: SRI

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

DOSE	Females				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

Nose
 Inflammation Chronic

LESION RATES

OVERALL (a)	3/50 (6%)	2/50 (4%)	0/50 (0%)	3/50 (6%)	3/50 (6%)
POLY-3 RATE (b)	3/44.75	2/44.11	0/44.19	3/43.76	3/43.67
POLY-3 PERCENT (g)	6.7%	4.5%	0%	6.9%	6.9%
TERMINAL (d)	2/33 (6%)	1/32 (3%)	0/32 (0%)	2/36 (6%)	1/31 (3%)
FIRST INCIDENCE	623	657	---	580	580

STATISTICAL TESTS

LIFE TABLE	P=0.321	P=0.502N	P=0.125N	P=0.643N	P=0.635
POLY 3	P=0.337	P=0.507N	P=0.121N	P=0.652	P=0.651
POLY 1.5	P=0.339	P=0.505N	P=0.120N	P=0.654	P=0.655
POLY 6	P=0.337	P=0.509N	P=0.122N	P=0.654	P=0.650
LOGISTIC REGRESSION	P=0.354	P=0.250N	P=0.120N	P=0.660N	P=0.644N
COCH-ARM / FISHERS	P=0.344	P=0.500N	P=0.121N	P=0.661N	P=0.661N
ORDER RESTRICTED	P=0.436	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.446	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

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

DOSE	Females				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

Nose: Nasolacrimal Duct
 Cyst

LESION RATES

OVERALL (a)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/44.37	1/43.84	0/44.19	0/43.27	0/42.89
POLY-3 PERCENT (g)	0%	2.3%	0%	0%	0%
TERMINAL (d)	0/33 (0%)	1/32 (3%)	0/32 (0%)	0/36 (0%)	0/31 (0%)
FIRST INCIDENCE	---	729 (T)	---	---	---

STATISTICAL TESTS

LIFE TABLE	P=0.578N	P=0.494	(e)	(e)	(e)
POLY 3	P=0.573N	P=0.498	(e)	(e)	(e)
POLY 1.5	P=0.573N	P=0.498	(e)	(e)	(e)
POLY 6	P=0.573N	P=0.497	(e)	(e)	(e)
LOGISTIC REGRESSION	(e)	P=0.494	(e)	(e)	(e)
COCH-ARM / FISHERS	P=0.571N	P=0.500	(e)	(e)	(e)
ORDER RESTRICTED	P=0.376N	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.390N	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Sodium dichromate dihydrate (VI)
CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
Time Report Requested: 10:38:19
First Dose M/F: 10/02/02 / 10/02/02
Lab: SRI

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

DOSE	Females				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

Nose: Respiratory Epithelium
Hyperplasia

LESION RATES

OVERALL (a)	1/50 (2%)	1/50 (2%)	1/50 (2%)	1/50 (2%)	2/50 (4%)
POLY-3 RATE (b)	1/44.37	1/43.84	1/44.46	1/43.27	2/43.67
POLY-3 PERCENT (g)	2.3%	2.3%	2.3%	2.3%	4.6%
TERMINAL (d)	1/33 (3%)	1/32 (3%)	0/32 (0%)	1/36 (3%)	0/31 (0%)
FIRST INCIDENCE	729 (T)	729 (T)	657	729 (T)	580

STATISTICAL TESTS

LIFE TABLE	P=0.320	P=0.755	P=0.753N	P=0.742N	P=0.482
POLY 3	P=0.336	P=0.758	P=0.760N	P=0.755	P=0.494
POLY 1.5	P=0.337	P=0.759	P=0.760N	P=0.756	P=0.496
POLY 6	P=0.336	P=0.758	P=0.760N	P=0.756	P=0.495
LOGISTIC REGRESSION	P=0.346	P=0.755	P=0.762N	P=0.742N	P=0.537
COCH-ARM / FISHERS	P=0.339	P=0.753N	P=0.753N	P=0.753N	P=0.500
ORDER RESTRICTED	P=0.440	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.448	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

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

DOSE	Females				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

Nose: Respiratory Epithelium
 Metaplasia

LESION RATES

OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/44.37	0/43.84	0/44.19	0/43.27	0/42.89
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%
TERMINAL (d)	0/33 (0%)	0/32 (0%)	0/32 (0%)	0/36 (0%)	0/31 (0%)
FIRST INCIDENCE	---	---	---	---	---

STATISTICAL TESTS

LIFE TABLE	(e)	(e)	(e)	(e)	(e)
POLY 3	(e)	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)	(e)
LOGISTIC REGRESSION	(e)	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)	(e)
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

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

DOSE	Females				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L
Ovary Cyst					
LESION RATES					
OVERALL (a)	9/49 (18%)	6/50 (12%)	7/50 (14%)	10/50 (20%)	5/50 (10%)
POLY-3 RATE (b)	9/43.98	6/43.88	7/44.20	10/44.52	5/44.12
POLY-3 PERCENT (g)	20.5%	13.7%	15.8%	22.5%	11.3%
TERMINAL (d)	6/33 (18%)	5/32 (16%)	6/32 (19%)	8/36 (22%)	2/31 (7%)
FIRST INCIDENCE	623	718	726	379	506
STATISTICAL TESTS					
LIFE TABLE	P=0.297N	P=0.312N	P=0.415N	P=0.558	P=0.231N
POLY 3	P=0.263N	P=0.287N	P=0.387N	P=0.512	P=0.189N
POLY 1.5	P=0.263N	P=0.282N	P=0.382N	P=0.513	P=0.187N
POLY 6	P=0.260N	P=0.294N	P=0.396N	P=0.515	P=0.191N
LOGISTIC REGRESSION	P=0.278N	P=0.285N	P=0.381N	P=0.508	P=0.183N
COCH-ARM / FISHERS	P=0.263N	P=0.274N	P=0.376N	P=0.520	P=0.183N
ORDER RESTRICTED	P=0.213N	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.222N	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Sodium dichromate dihydrate (VI)
CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
Time Report Requested: 10:38:19
First Dose M/F: 10/02/02 / 10/02/02
Lab: SRI

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

DOSE	Females				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L
Pancreas Atrophy					
LESION RATES					
OVERALL (a)	6/50 (12%)	12/50 (24%)	11/50 (22%)	9/50 (18%)	5/50 (10%)
POLY-3 RATE (b)	6/44.41	12/44.55	11/45.54	9/43.66	5/43.27
POLY-3 PERCENT (g)	13.5%	26.9%	24.2%	20.6%	11.6%
TERMINAL (d)	5/33 (15%)	9/32 (28%)	7/32 (22%)	8/36 (22%)	3/31 (10%)
FIRST INCIDENCE	721	618	554	618	647
STATISTICAL TESTS					
LIFE TABLE	P=0.127N	P=0.085	P=0.139	P=0.343	P=0.531N
POLY 3	P=0.118N	P=0.092	P=0.153	P=0.273	P=0.518N
POLY 1.5	P=0.113N	P=0.093	P=0.148	P=0.276	P=0.512N
POLY 6	P=0.122N	P=0.094	P=0.160	P=0.278	P=0.521N
LOGISTIC REGRESSION	P=0.119N	P=0.086	P=0.141	P=0.274	P=0.533N
COCH-ARM / FISHERS	P=0.106N	P=0.096	P=0.143	P=0.288	P=0.500N
ORDER RESTRICTED	P=0.198N	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.208N	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

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

DOSE	Females				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

**Pancreas
Cyst**

LESION RATES

OVERALL (a)	2/50 (4%)	4/50 (8%)	3/50 (6%)	6/50 (12%)	4/50 (8%)
POLY-3 RATE (b)	2/44.76	4/43.84	3/44.41	6/43.42	4/42.89
POLY-3 PERCENT (g)	4.5%	9.1%	6.8%	13.8%	9.3%
TERMINAL (d)	1/33 (3%)	4/32 (13%)	2/32 (6%)	5/36 (14%)	4/31 (13%)
FIRST INCIDENCE	618	729 (T)	671	689	729 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.339	P=0.326	P=0.488	P=0.154	P=0.305
POLY 3	P=0.342	P=0.327	P=0.496	P=0.122	P=0.317
POLY 1.5	P=0.353	P=0.331	P=0.498	P=0.126	P=0.325
POLY 6	P=0.330	P=0.322	P=0.495	P=0.122	P=0.309
LOGISTIC REGRESSION	P=0.343	P=0.331	P=0.500	P=0.126	P=0.319
COCH-ARM / FISHERS	P=0.370	P=0.339	P=0.500	P=0.134	P=0.339
ORDER RESTRICTED	P=0.200	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.218	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Sodium dichromate dihydrate (VI)
CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
Time Report Requested: 10:38:19
First Dose M/F: 10/02/02 / 10/02/02
Lab: SRI

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

DOSE	Females				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

Pancreas: Acinus
Cytoplasmic Alteration

LESION RATES

OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	3/50 (6%)
POLY-3 RATE (b)	0/44.37	0/43.84	0/44.19	0/43.27	3/43.53
POLY-3 PERCENT (g)	0%	0%	0%	0%	6.9%
TERMINAL (d)	0/33 (0%)	0/32 (0%)	0/32 (0%)	0/36 (0%)	0/31 (0%)
FIRST INCIDENCE	---	---	---	---	570

STATISTICAL TESTS

LIFE TABLE	P=0.003**	(e)	(e)	(e)	P=0.120
POLY 3	P=0.002**	(e)	(e)	(e)	P=0.115
POLY 1.5	P=0.002**	(e)	(e)	(e)	P=0.116
POLY 6	P=0.002**	(e)	(e)	(e)	P=0.114
LOGISTIC REGRESSION	P=0.003**	(e)	(e)	(e)	P=0.130
COCH-ARM / FISHERS	P=0.003**	(e)	(e)	(e)	P=0.121
ORDER RESTRICTED	P=0.003**	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.004**	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Sodium dichromate dihydrate (VI)
CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
Time Report Requested: 10:38:19
First Dose M/F: 10/02/02 / 10/02/02
Lab: SRI

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

DOSE	Females				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

Pancreas: Acinus
Hyperplasia Focal

LESION RATES

OVERALL (a)	1/50 (2%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	1/44.37	0/43.84	1/44.19	0/43.27	1/42.89
POLY-3 PERCENT (g)	2.3%	0%	2.3%	0%	2.3%
TERMINAL (d)	1/33 (3%)	0/32 (0%)	1/32 (3%)	0/36 (0%)	1/31 (3%)
FIRST INCIDENCE	729 (T)	---	729 (T)	---	729 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.557	P=0.506N	P=0.755	P=0.483N	P=0.748
POLY 3	P=0.559	P=0.502N	P=0.760	P=0.505N	P=0.753
POLY 1.5	P=0.561	P=0.502N	P=0.760	P=0.504N	P=0.756
POLY 6	P=0.557	P=0.503N	P=0.760	P=0.504N	P=0.751
LOGISTIC REGRESSION	P=0.557	(e)	P=0.755	(e)	P=0.748
COCH-ARM / FISHERS	P=0.566	P=0.500N	P=0.753N	P=0.500N	P=0.753N
ORDER RESTRICTED	P=0.545	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.550	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

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

DOSE	Females				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

Pituitary Gland: Pars Distalis Angiectasis

LESION RATES

OVERALL (a)	11/50 (22%)	6/50 (12%)	7/50 (14%)	4/50 (8%)	3/49 (6%)
POLY-3 RATE (b)	11/44.80	6/44.38	7/45.21	4/43.96	3/43.10
POLY-3 PERCENT (g)	24.6%	13.5%	15.5%	9.1%	7%
TERMINAL (d)	9/33 (27%)	4/32 (13%)	4/32 (13%)	3/36 (8%)	1/31 (3%)
FIRST INCIDENCE	618	646	573	493	570

STATISTICAL TESTS

LIFE TABLE	P=0.043N*	P=0.159N	P=0.239N	P=0.036N*	P=0.032N*
POLY 3	P=0.038N*	P=0.144N	P=0.208N	P=0.046N*	P=0.022N*
POLY 1.5	P=0.037N*	P=0.145N	P=0.213N	P=0.046N*	P=0.022N*
POLY 6	P=0.037N*	P=0.141N	P=0.200N	P=0.044N*	P=0.022N*
LOGISTIC REGRESSION	P=0.039N*	P=0.148N	P=0.219N	P=0.050N*	P=0.026N*
COCH-ARM / FISHERS	P=0.038N*	P=0.143N	P=0.218N	P=0.045N*	P=0.022N*
ORDER RESTRICTED	P=0.011N*	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.016N*	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

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

DOSE	Females				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

**Pituitary Gland: Pars Distalis
 Cyst**

LESION RATES

OVERALL (a)	18/50 (36%)	18/50 (36%)	18/50 (36%)	18/50 (36%)	27/49 (55%)
POLY-3 RATE (b)	18/45.41	18/46.20	18/46.73	18/46.33	27/45.63
POLY-3 PERCENT (g)	39.6%	39%	38.5%	38.9%	59.2%
TERMINAL (d)	14/33 (42%)	12/32 (38%)	12/32 (38%)	12/36 (33%)	16/31 (52%)
FIRST INCIDENCE	580	387	454	447	461

STATISTICAL TESTS

LIFE TABLE	P=0.018*	P=0.540	P=0.543	P=0.501N	P=0.049*
POLY 3	P=0.012*	P=0.559N	P=0.541N	P=0.555N	P=0.044*
POLY 1.5	P=0.012*	P=0.570N	P=0.559N	P=0.570N	P=0.042*
POLY 6	P=0.013*	P=0.543N	P=0.519N	P=0.525N	P=0.052
LOGISTIC REGRESSION	P=0.014*	P=0.574	P=0.580	P=0.576	P=0.036*
COCH-ARM / FISHERS	P=0.014*	P=0.582N	P=0.582N	P=0.582N	P=0.044*
ORDER RESTRICTED	P=0.035*	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.021*	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Sodium dichromate dihydrate (VI)
CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
Time Report Requested: 10:38:19
First Dose M/F: 10/02/02 / 10/02/02
Lab: SRI

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

DOSE	Females				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

Pituitary Gland: Pars Distalis
Cytoplasmic Alteration Focal

LESION RATES

OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/49 (0%)
POLY-3 RATE (b)	0/44.37	0/43.84	0/44.19	1/43.27	0/42.39
POLY-3 PERCENT (g)	0%	0%	0%	2.3%	0%
TERMINAL (d)	0/33 (0%)	0/32 (0%)	0/32 (0%)	1/36 (3%)	0/31 (0%)
FIRST INCIDENCE	---	---	---	729 (T)	---

STATISTICAL TESTS

LIFE TABLE	P=0.787	(e)	(e)	P=0.517	(e)
POLY 3	P=0.779	(e)	(e)	P=0.495	(e)
POLY 1.5	P=0.781	(e)	(e)	P=0.496	(e)
POLY 6	P=0.777	(e)	(e)	P=0.496	(e)
LOGISTIC REGRESSION	(e)	(e)	(e)	P=0.517	(e)
COCH-ARM / FISHERS	P=0.785	(e)	(e)	P=0.500	(e)
ORDER RESTRICTED	P=0.367	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.379	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

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

DOSE	Females				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

Pituitary Gland: Pars Distalis
 Hyperplasia Focal

LESION RATES

OVERALL (a)	9/50 (18%)	8/50 (16%)	9/50 (18%)	8/50 (16%)	10/49 (20%)
POLY-3 RATE (b)	9/44.37	8/43.91	9/44.94	8/43.96	10/44.60
POLY-3 PERCENT (g)	20.3%	18.2%	20%	18.2%	22.4%
TERMINAL (d)	9/33 (27%)	7/32 (22%)	6/32 (19%)	7/36 (19%)	6/31 (19%)
FIRST INCIDENCE	729 (T)	710	657	493	461

STATISTICAL TESTS

LIFE TABLE	P=0.352	P=0.527N	P=0.588	P=0.426N	P=0.442
POLY 3	P=0.398	P=0.510N	P=0.592N	P=0.509N	P=0.505
POLY 1.5	P=0.387	P=0.507N	P=0.598N	P=0.509N	P=0.493
POLY 6	P=0.417	P=0.511N	P=0.581N	P=0.500N	P=0.525
LOGISTIC REGRESSION	P=0.356	P=0.537N	P=0.599	P=0.521N	P=0.480
COCH-ARM / FISHERS	P=0.372	P=0.500N	P=0.602N	P=0.500N	P=0.480
ORDER RESTRICTED	P=0.600	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.599	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

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

DOSE	Females				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

**Pituitary Gland: Pars Intermedia
 Angiectasis**

LESION RATES

OVERALL (a)	1/50 (2%)	2/50 (4%)	0/50 (0%)	0/50 (0%)	0/49 (0%)
POLY-3 RATE (b)	1/44.37	2/43.84	0/44.19	0/43.27	0/42.39
POLY-3 PERCENT (g)	2.3%	4.6%	0%	0%	0%
TERMINAL (d)	1/33 (3%)	2/32 (6%)	0/32 (0%)	0/36 (0%)	0/31 (0%)
FIRST INCIDENCE	729 (T)	729 (T)	---	---	---

STATISTICAL TESTS

LIFE TABLE	P=0.222N	P=0.489	P=0.506N	P=0.483N	P=0.512N
POLY 3	P=0.225N	P=0.496	P=0.501N	P=0.505N	P=0.509N
POLY 1.5	P=0.224N	P=0.497	P=0.501N	P=0.504N	P=0.507N
POLY 6	P=0.225N	P=0.495	P=0.501N	P=0.504N	P=0.510N
LOGISTIC REGRESSION	P=0.222N	P=0.489	(e)	(e)	(e)
COCH-ARM / FISHERS	P=0.223N	P=0.500	P=0.500N	P=0.500N	P=0.505N
ORDER RESTRICTED	P=0.143N	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.159N	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

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

DOSE	Females				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

Pituitary Gland: Pars Intermedia
 Cyst

LESION RATES

OVERALL (a)	1/50 (2%)	3/50 (6%)	1/50 (2%)	1/50 (2%)	3/49 (6%)
POLY-3 RATE (b)	1/44.49	3/44.38	1/44.19	1/44.04	3/42.42
POLY-3 PERCENT (g)	2.3%	6.8%	2.3%	2.3%	7.1%
TERMINAL (d)	0/33 (0%)	1/32 (3%)	1/32 (3%)	0/36 (0%)	2/31 (7%)
FIRST INCIDENCE	700	646	729 (T)	447	721

STATISTICAL TESTS

LIFE TABLE	P=0.299	P=0.305	P=0.748	P=0.755	P=0.289
POLY 3	P=0.291	P=0.304	P=0.759	P=0.758	P=0.288
POLY 1.5	P=0.295	P=0.304	P=0.760	P=0.759	P=0.292
POLY 6	P=0.289	P=0.305	P=0.759	P=0.760	P=0.285
LOGISTIC REGRESSION	P=0.308	P=0.308	P=0.762	P=0.667N	P=0.286
COCH-ARM / FISHERS	P=0.300	P=0.309	P=0.753N	P=0.753N	P=0.301
ORDER RESTRICTED	P=0.222	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.237	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

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

DOSE	Females				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

**Salivary Glands
Atrophy**

LESION RATES

OVERALL (a)	9/50 (18%)	7/50 (14%)	10/50 (20%)	17/50 (34%)	17/50 (34%)
POLY-3 RATE (b)	9/45.03	7/44.06	10/44.62	17/45.14	17/45.65
POLY-3 PERCENT (g)	20%	15.9%	22.4%	37.7%	37.2%
TERMINAL (d)	7/33 (21%)	6/32 (19%)	8/32 (25%)	13/36 (36%)	9/31 (29%)
FIRST INCIDENCE	623	671	657	559	461

STATISTICAL TESTS

LIFE TABLE	P=0.007**	P=0.413N	P=0.485	P=0.083	P=0.051
POLY 3	P=0.009**	P=0.410N	P=0.491	P=0.050*	P=0.053
POLY 1.5	P=0.008**	P=0.404N	P=0.495	P=0.050*	P=0.053
POLY 6	P=0.010**	P=0.418N	P=0.487	P=0.053	P=0.055
LOGISTIC REGRESSION	P=0.007**	P=0.404N	P=0.495	P=0.049*	P=0.056
COCH-ARM / FISHERS	P=0.009**	P=0.393N	P=0.500	P=0.055	P=0.055
ORDER RESTRICTED	P=0.022*	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.016*	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Sodium dichromate dihydrate (VI)
CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
Time Report Requested: 10:38:19
First Dose M/F: 10/02/02 / 10/02/02
Lab: SRI

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

DOSE	Females				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

Salivary Glands
Necrosis

LESION RATES

OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/44.37	0/43.84	0/44.19	0/43.27	0/42.89
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%
TERMINAL (d)	0/33 (0%)	0/32 (0%)	0/32 (0%)	0/36 (0%)	0/31 (0%)
FIRST INCIDENCE	---	---	---	---	---

STATISTICAL TESTS

LIFE TABLE	(e)	(e)	(e)	(e)	(e)
POLY 3	(e)	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)	(e)
LOGISTIC REGRESSION	(e)	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)	(e)
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Sodium dichromate dihydrate (VI)
CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
Time Report Requested: 10:38:19
First Dose M/F: 10/02/02 / 10/02/02
Lab: SRI

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

DOSE	Females				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

Skin
Cyst Epithelial Inclusion

LESION RATES

OVERALL (a)	1/50 (2%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	1/44.83	0/43.84	0/44.19	1/43.27	0/42.89
POLY-3 PERCENT (g)	2.2%	0%	0%	2.3%	0%
TERMINAL (d)	0/33 (0%)	0/32 (0%)	0/32 (0%)	1/36 (3%)	0/31 (0%)
FIRST INCIDENCE	595	---	---	729 (T)	---

STATISTICAL TESTS

LIFE TABLE	P=0.573N	P=0.500N	P=0.509N	P=0.760	P=0.518N
POLY 3	P=0.563N	P=0.504N	P=0.503N	P=0.753	P=0.509N
POLY 1.5	P=0.561N	P=0.503N	P=0.502N	P=0.755	P=0.505N
POLY 6	P=0.564N	P=0.506N	P=0.504N	P=0.752	P=0.512N
LOGISTIC REGRESSION	P=0.548N	P=0.441N	P=0.473N	P=0.748N	P=0.432N
COCH-ARM / FISHERS	P=0.559N	P=0.500N	P=0.500N	P=0.753N	P=0.500N
ORDER RESTRICTED	P=0.234N	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.252N	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

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

DOSE	Females				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

Skin
Hyperkeratosis

LESION RATES

OVERALL (a)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/44.37	0/43.84	1/44.19	0/43.27	0/42.89
POLY-3 PERCENT (g)	0%	0%	2.3%	0%	0%
TERMINAL (d)	0/33 (0%)	0/32 (0%)	1/32 (3%)	0/36 (0%)	0/31 (0%)
FIRST INCIDENCE	---	---	729 (T)	---	---

STATISTICAL TESTS

LIFE TABLE	P=0.665N	(e)	P=0.494	(e)	(e)
POLY 3	P=0.658N	(e)	P=0.499	(e)	(e)
POLY 1.5	P=0.658N	(e)	P=0.499	(e)	(e)
POLY 6	P=0.658N	(e)	P=0.499	(e)	(e)
LOGISTIC REGRESSION	(e)	(e)	P=0.494	(e)	(e)
COCH-ARM / FISHERS	P=0.657N	(e)	P=0.500	(e)	(e)
ORDER RESTRICTED	P=0.516	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.522	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

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

DOSE	Females				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

Spleen
 Accessory Spleen

LESION RATES

OVERALL (a)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	0/44.37	0/43.84	1/44.19	0/43.27	1/42.89
POLY-3 PERCENT (g)	0%	0%	2.3%	0%	2.3%
TERMINAL (d)	0/33 (0%)	0/32 (0%)	1/32 (3%)	0/36 (0%)	1/31 (3%)
FIRST INCIDENCE	---	---	729 (T)	---	729 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.349	(e)	P=0.494	(e)	P=0.488
POLY 3	P=0.352	(e)	P=0.499	(e)	P=0.493
POLY 1.5	P=0.355	(e)	P=0.499	(e)	P=0.496
POLY 6	P=0.350	(e)	P=0.499	(e)	P=0.491
LOGISTIC REGRESSION	(e)	(e)	P=0.494	(e)	P=0.488
COCH-ARM / FISHERS	P=0.359	(e)	P=0.500	(e)	P=0.500
ORDER RESTRICTED	P=0.216	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.232	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

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

DOSE	Females				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

Spleen
 Fibrosis

LESION RATES

OVERALL (a)	0/50 (0%)	2/50 (4%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/44.37	2/44.83	0/44.19	0/43.27	0/42.89
POLY-3 PERCENT (g)	0%	4.5%	0%	0%	0%
TERMINAL (d)	0/33 (0%)	0/32 (0%)	0/32 (0%)	0/36 (0%)	0/31 (0%)
FIRST INCIDENCE	---	554	---	---	---

STATISTICAL TESTS

LIFE TABLE	P=0.362N	P=0.242	(e)	(e)	(e)
POLY 3	P=0.350N	P=0.239	(e)	(e)	(e)
POLY 1.5	P=0.351N	P=0.238	(e)	(e)	(e)
POLY 6	P=0.348N	P=0.241	(e)	(e)	(e)
LOGISTIC REGRESSION	P=0.319N	P=0.301	(e)	(e)	(e)
COCH-ARM / FISHERS	P=0.351N	P=0.247	(e)	(e)	(e)
ORDER RESTRICTED	P=0.229N	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.245N	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Sodium dichromate dihydrate (VI)
CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
Time Report Requested: 10:38:19
First Dose M/F: 10/02/02 / 10/02/02
Lab: SRI

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

DOSE	Females				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

Spleen
Hematopoietic Cell Proliferation

LESION RATES

OVERALL (a)	36/50 (72%)	28/50 (56%)	38/50 (76%)	36/50 (72%)	33/50 (66%)
POLY-3 RATE (b)	36/47.23	28/46.81	38/47.06	36/46.37	33/45.77
POLY-3 PERCENT (g)	76.2%	59.8%	80.7%	77.7%	72.1%
TERMINAL (d)	27/33 (82%)	20/32 (63%)	27/32 (84%)	30/36 (83%)	25/31 (81%)
FIRST INCIDENCE	524	461	454	447	506

STATISTICAL TESTS

LIFE TABLE	P=0.467	P=0.132N	P=0.363	P=0.408N	P=0.500N
POLY 3	P=0.499	P=0.061N	P=0.382	P=0.534	P=0.410N
POLY 1.5	P=0.542	P=0.066N	P=0.395	P=0.549	P=0.378N
POLY 6	P=0.451	P=0.054N	P=0.369	P=0.532	P=0.448N
LOGISTIC REGRESSION	P=0.516	P=0.078N	P=0.392	P=0.503	P=0.420N
COCH-ARM / FISHERS	P=0.498N	P=0.072N	P=0.410	P=0.588N	P=0.333N
ORDER RESTRICTED	P=0.267	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.281	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

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

DOSE	Females				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

Spleen
 Infiltration Cellular Mixed Cell

LESION RATES

OVERALL (a)	0/50 (0%)	0/50 (0%)	3/50 (6%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/44.37	0/43.84	3/44.34	0/43.27	0/42.89
POLY-3 PERCENT (g)	0%	0%	6.8%	0%	0%
TERMINAL (d)	0/33 (0%)	0/32 (0%)	2/32 (6%)	0/36 (0%)	0/31 (0%)
FIRST INCIDENCE	---	---	689	---	---

STATISTICAL TESTS

LIFE TABLE	P=0.376N	(e)	P=0.116	(e)	(e)
POLY 3	P=0.371N	(e)	P=0.118	(e)	(e)
POLY 1.5	P=0.369N	(e)	P=0.119	(e)	(e)
POLY 6	P=0.372N	(e)	P=0.118	(e)	(e)
LOGISTIC REGRESSION	P=0.376N	(e)	P=0.119	(e)	(e)
COCH-ARM / FISHERS	P=0.367N	(e)	P=0.121	(e)	(e)
ORDER RESTRICTED	P=0.302	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.316	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

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

DOSE	Females				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

Spleen
 Necrosis

LESION RATES

OVERALL (a)	0/50 (0%)	3/50 (6%)	1/50 (2%)	1/50 (2%)	2/50 (4%)
POLY-3 RATE (b)	0/44.37	3/45.12	1/44.42	1/43.88	2/44.05
POLY-3 PERCENT (g)	0%	6.7%	2.3%	2.3%	4.5%
TERMINAL (d)	0/33 (0%)	1/32 (3%)	0/32 (0%)	0/36 (0%)	0/31 (0%)
FIRST INCIDENCE	---	387	667	531	472

STATISTICAL TESTS

LIFE TABLE	P=0.427	P=0.124	P=0.505	P=0.496	P=0.227
POLY 3	P=0.442	P=0.121	P=0.500	P=0.498	P=0.235
POLY 1.5	P=0.443	P=0.120	P=0.500	P=0.498	P=0.236
POLY 6	P=0.443	P=0.123	P=0.501	P=0.500	P=0.236
LOGISTIC REGRESSION	P=0.522	P=0.163	P=0.504	P=0.666	P=0.368
COCH-ARM / FISHERS	P=0.445	P=0.121	P=0.500	P=0.500	P=0.247
ORDER RESTRICTED	P=0.188	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.198	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

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

DOSE	Females				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L
Spleen Pigmentation					
LESION RATES					
OVERALL (a)	26/50 (52%)	23/50 (46%)	13/50 (26%)	6/50 (12%)	3/50 (6%)
POLY-3 RATE (b)	26/46.34	23/45.22	13/44.67	6/43.57	3/43.96
POLY-3 PERCENT (g)	56.1%	50.9%	29.1%	13.8%	6.8%
TERMINAL (d)	21/33 (64%)	18/32 (56%)	9/32 (28%)	5/36 (14%)	0/31 (0%)
FIRST INCIDENCE	489	618	659	646	580
STATISTICAL TESTS					
LIFE TABLE	P<0.001N**	P=0.391N	P=0.011N*	P<0.001N**	P<0.001N**
POLY 3	P<0.001N**	P=0.383N	P=0.006N**	P<0.001N**	P<0.001N**
POLY 1.5	P<0.001N**	P=0.372N	P=0.006N**	P<0.001N**	P<0.001N**
POLY 6	P<0.001N**	P=0.387N	P=0.006N**	P<0.001N**	P<0.001N**
LOGISTIC REGRESSION	P<0.001N**	P=0.362N	P=0.006N**	P<0.001N**	P<0.001N**
COCH-ARM / FISHERS	P<0.001N**	P=0.345N	P=0.007N**	P<0.001N**	P<0.001N**
ORDER RESTRICTED	P<0.001N**	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P<0.001N**	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

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

DOSE	Females				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

Spleen: Lymphoid Follicle
 Atrophy

LESION RATES

OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)	4/50 (8%)
POLY-3 RATE (b)	0/44.37	0/43.84	0/44.19	1/43.57	4/44.48
POLY-3 PERCENT (g)	0%	0%	0%	2.3%	9%
TERMINAL (d)	0/33 (0%)	0/32 (0%)	0/32 (0%)	0/36 (0%)	0/31 (0%)
FIRST INCIDENCE	---	---	---	646	570

STATISTICAL TESTS

LIFE TABLE	P<0.001**	(e)	(e)	P=0.500	P=0.061
POLY 3	P<0.001**	(e)	(e)	P=0.496	P=0.060
POLY 1.5	P<0.001**	(e)	(e)	P=0.497	P=0.060
POLY 6	P<0.001**	(e)	(e)	P=0.498	P=0.061
LOGISTIC REGRESSION	P<0.001**	(e)	(e)	P=0.527	P=0.089
COCH-ARM / FISHERS	P<0.001**	(e)	(e)	P=0.500	P=0.059
ORDER RESTRICTED	P=0.002**	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.002**	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

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

DOSE	Females				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

Spleen: Lymphoid Follicle
 Hyperplasia

LESION RATES

OVERALL (a)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)	3/50 (6%)
POLY-3 RATE (b)	0/44.37	0/43.84	1/44.19	0/43.27	3/44.17
POLY-3 PERCENT (g)	0%	0%	2.3%	0%	6.8%
TERMINAL (d)	0/33 (0%)	0/32 (0%)	1/32 (3%)	0/36 (0%)	1/31 (3%)
FIRST INCIDENCE	---	---	729 (T)	---	461

STATISTICAL TESTS

LIFE TABLE	P=0.014*	(e)	P=0.494	(e)	P=0.118
POLY 3	P=0.014*	(e)	P=0.499	(e)	P=0.118
POLY 1.5	P=0.014*	(e)	P=0.499	(e)	P=0.118
POLY 6	P=0.014*	(e)	P=0.499	(e)	P=0.118
LOGISTIC REGRESSION	P=0.018*	(e)	P=0.494	(e)	P=0.176
COCH-ARM / FISHERS	P=0.015*	(e)	P=0.500	(e)	P=0.121
ORDER RESTRICTED	P=0.010**	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.014*	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

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

DOSE	Females				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

Stomach, Forestomach
 Edema

LESION RATES

OVERALL (a)	1/50 (2%)	3/50 (6%)	1/50 (2%)	2/50 (4%)	2/50 (4%)
POLY-3 RATE (b)	1/44.88	3/44.20	1/44.42	2/43.76	2/43.86
POLY-3 PERCENT (g)	2.2%	6.8%	2.3%	4.6%	4.6%
TERMINAL (d)	0/33 (0%)	1/32 (3%)	0/32 (0%)	1/36 (3%)	0/31 (0%)
FIRST INCIDENCE	575	678	667	580	506

STATISTICAL TESTS

LIFE TABLE	P=0.522	P=0.291	P=0.756	P=0.492	P=0.488
POLY 3	P=0.535	P=0.300	P=0.758	P=0.491	P=0.492
POLY 1.5	P=0.538	P=0.301	P=0.759	P=0.493	P=0.495
POLY 6	P=0.533	P=0.298	P=0.758	P=0.492	P=0.490
LOGISTIC REGRESSION	P=0.581	P=0.319	P=0.750N	P=0.573	P=0.649
COCH-ARM / FISHERS	P=0.544	P=0.309	P=0.753N	P=0.500	P=0.500
ORDER RESTRICTED	P=0.501	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.507	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

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

DOSE	Females				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

Stomach, Forestomach
 Ulcer

LESION RATES

OVERALL (a)	2/50 (4%)	3/50 (6%)	2/50 (4%)	2/50 (4%)	3/50 (6%)
POLY-3 RATE (b)	2/44.88	3/44.57	2/45.03	2/43.74	3/43.46
POLY-3 PERCENT (g)	4.5%	6.7%	4.4%	4.6%	6.9%
TERMINAL (d)	1/33 (3%)	0/32 (0%)	0/32 (0%)	1/36 (3%)	1/31 (3%)
FIRST INCIDENCE	575	632	534	590	583

STATISTICAL TESTS

LIFE TABLE	P=0.442	P=0.490	P=0.687	P=0.691N	P=0.478
POLY 3	P=0.449	P=0.497	P=0.693N	P=0.685	P=0.485
POLY 1.5	P=0.456	P=0.497	P=0.693N	P=0.687	P=0.491
POLY 6	P=0.443	P=0.499	P=0.692N	P=0.686	P=0.481
LOGISTIC REGRESSION	P=0.502	P=0.528	P=0.679N	P=0.663N	P=0.531
COCH-ARM / FISHERS	P=0.467	P=0.500	P=0.691N	P=0.691N	P=0.500
ORDER RESTRICTED	P=0.531	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.536	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

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

DOSE	Females				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

Stomach, Forestomach: Epithelium
 Hyperplasia

LESION RATES

OVERALL (a)	2/50 (4%)	3/50 (6%)	4/50 (8%)	4/50 (8%)	4/50 (8%)
POLY-3 RATE (b)	2/45.27	3/44.57	4/45.84	4/44.54	4/44.62
POLY-3 PERCENT (g)	4.4%	6.7%	8.7%	9%	9%
TERMINAL (d)	0/33 (0%)	0/32 (0%)	0/32 (0%)	1/36 (3%)	0/31 (0%)
FIRST INCIDENCE	575	632	534	580	506

STATISTICAL TESTS

LIFE TABLE	P=0.336	P=0.493	P=0.340	P=0.326	P=0.317
POLY 3	P=0.354	P=0.493	P=0.343	P=0.329	P=0.330
POLY 1.5	P=0.357	P=0.495	P=0.340	P=0.331	P=0.333
POLY 6	P=0.352	P=0.492	P=0.346	P=0.333	P=0.329
LOGISTIC REGRESSION	P=0.442	P=0.553	P=0.360	P=0.435	P=0.482
COCH-ARM / FISHERS	P=0.362	P=0.500	P=0.339	P=0.339	P=0.339
ORDER RESTRICTED	P=0.361	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.371	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

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

DOSE	Females				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

Stomach, Glandular
 Erosion

LESION RATES

OVERALL (a)	2/50 (4%)	3/50 (6%)	2/50 (4%)	1/50 (2%)	5/50 (10%)
POLY-3 RATE (b)	2/44.49	3/44.11	2/44.94	1/43.57	5/45.30
POLY-3 PERCENT (g)	4.5%	6.8%	4.5%	2.3%	11%
TERMINAL (d)	1/33 (3%)	0/32 (0%)	0/32 (0%)	0/36 (0%)	0/31 (0%)
FIRST INCIDENCE	700	689	573	646	506

STATISTICAL TESTS

LIFE TABLE	P=0.123	P=0.477	P=0.680	P=0.493N	P=0.203
POLY 3	P=0.132	P=0.496	P=0.690N	P=0.507N	P=0.223
POLY 1.5	P=0.130	P=0.497	P=0.692N	P=0.506N	P=0.220
POLY 6	P=0.136	P=0.496	P=0.688N	P=0.505N	P=0.230
LOGISTIC REGRESSION	P=0.154	P=0.494	P=0.690N	P=0.501N	P=0.301
COCH-ARM / FISHERS	P=0.129	P=0.500	P=0.691N	P=0.500N	P=0.218
ORDER RESTRICTED	P=0.152	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.166	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

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

DOSE	Females				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

**Stomach, Glandular
Hyperplasia**

LESION RATES

OVERALL (a)	4/50 (8%)	6/50 (12%)	4/50 (8%)	7/50 (14%)	4/50 (8%)
POLY-3 RATE (b)	4/44.76	6/44.15	4/44.70	7/43.27	4/44.30
POLY-3 PERCENT (g)	8.9%	13.6%	9%	16.2%	9%
TERMINAL (d)	3/33 (9%)	4/32 (13%)	3/32 (9%)	7/36 (19%)	1/31 (3%)
FIRST INCIDENCE	618	667	573	729 (T)	506

STATISTICAL TESTS

LIFE TABLE	P=0.512N	P=0.360	P=0.624	P=0.303	P=0.607
POLY 3	P=0.487N	P=0.360	P=0.643	P=0.240	P=0.638
POLY 1.5	P=0.486N	P=0.363	P=0.643	P=0.247	P=0.639
POLY 6	P=0.486N	P=0.358	P=0.643	P=0.237	P=0.639
LOGISTIC REGRESSION	P=0.491N	P=0.361	P=0.644	P=0.249	P=0.599N
COCH-ARM / FISHERS	P=0.481N	P=0.370	P=0.643N	P=0.262	P=0.643N
ORDER RESTRICTED	P=0.509	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.512	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

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

DOSE	Females				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

Stomach, Glandular
 Ulcer

LESION RATES

OVERALL (a)	1/50 (2%)	2/50 (4%)	1/50 (2%)	1/50 (2%)	2/50 (4%)
POLY-3 RATE (b)	1/44.65	2/44.62	1/44.63	1/43.50	2/43.91
POLY-3 PERCENT (g)	2.2%	4.5%	2.2%	2.3%	4.6%
TERMINAL (d)	0/33 (0%)	0/32 (0%)	0/32 (0%)	0/36 (0%)	0/31 (0%)
FIRST INCIDENCE	654	554	602	667	567

STATISTICAL TESTS

LIFE TABLE	P=0.430	P=0.500	P=0.755N	P=0.752	P=0.478
POLY 3	P=0.450	P=0.500	P=0.761	P=0.755	P=0.494
POLY 1.5	P=0.452	P=0.499	P=0.760	P=0.756	P=0.496
POLY 6	P=0.449	P=0.501	P=0.761	P=0.756	P=0.493
LOGISTIC REGRESSION	P=0.508	P=0.554	P=0.752N	P=0.747N	P=0.607
COCH-ARM / FISHERS	P=0.457	P=0.500	P=0.753N	P=0.753N	P=0.500
ORDER RESTRICTED	P=0.466	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.472	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

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

DOSE	Females				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

Thymus
 Atrophy

LESION RATES

OVERALL (a)	0/50 (0%)	0/49 (0%)	0/49 (0%)	0/48 (0%)	3/47 (6%)
POLY-3 RATE (b)	0/44.37	0/43.06	0/43.67	0/41.57	3/41.40
POLY-3 PERCENT (g)	0%	0%	0%	0%	7.3%
TERMINAL (d)	0/33 (0%)	0/32 (0%)	0/32 (0%)	0/35 (0%)	0/28 (0%)
FIRST INCIDENCE	---	---	---	---	570

STATISTICAL TESTS

LIFE TABLE	P=0.002**	(e)	(e)	(e)	P=0.113
POLY 3	P=0.002**	(e)	(e)	(e)	P=0.106
POLY 1.5	P=0.002**	(e)	(e)	(e)	P=0.107
POLY 6	P=0.002**	(e)	(e)	(e)	P=0.107
LOGISTIC REGRESSION	P=0.003**	(e)	(e)	(e)	P=0.176
COCH-ARM / FISHERS	P=0.002**	(e)	(e)	(e)	P=0.110
ORDER RESTRICTED	P=0.002**	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.003**	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

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

DOSE	Females				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

Thyroid Gland Ultimobranchial Cyst

LESION RATES

OVERALL (a)	0/50 (0%)	0/50 (0%)	2/50 (4%)	0/50 (0%)	2/50 (4%)
POLY-3 RATE (b)	0/44.37	0/43.84	2/44.19	0/43.27	2/43.62
POLY-3 PERCENT (g)	0%	0%	4.5%	0%	4.6%
TERMINAL (d)	0/33 (0%)	0/32 (0%)	2/32 (6%)	0/36 (0%)	1/31 (3%)
FIRST INCIDENCE	---	---	729 (T)	---	472

STATISTICAL TESTS

LIFE TABLE	P=0.159	(e)	P=0.231	(e)	P=0.231
POLY 3	P=0.164	(e)	P=0.236	(e)	P=0.233
POLY 1.5	P=0.165	(e)	P=0.237	(e)	P=0.235
POLY 6	P=0.163	(e)	P=0.236	(e)	P=0.232
LOGISTIC REGRESSION	P=0.177	(e)	P=0.231	(e)	P=0.299
COCH-ARM / FISHERS	P=0.167	(e)	P=0.247	(e)	P=0.247
ORDER RESTRICTED	P=0.084	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.096	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

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

DOSE	Females				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

Thyroid Gland: C-Cell
 Hyperplasia

LESION RATES

OVERALL (a)	28/50 (56%)	28/50 (56%)	25/50 (50%)	23/50 (46%)	16/50 (32%)
POLY-3 RATE (b)	28/46.64	28/45.41	25/46.65	23/44.36	16/45.79
POLY-3 PERCENT (g)	60%	61.7%	53.6%	51.9%	35%
TERMINAL (d)	20/33 (61%)	22/32 (69%)	16/32 (50%)	20/36 (56%)	9/31 (29%)
FIRST INCIDENCE	524	605	554	590	461

STATISTICAL TESTS

LIFE TABLE	P=0.012N*	P=0.507	P=0.409N	P=0.150N	P=0.041N*
POLY 3	P=0.003N**	P=0.522	P=0.335N	P=0.278N	P=0.011N*
POLY 1.5	P=0.003N**	P=0.543	P=0.341N	P=0.254N	P=0.011N*
POLY 6	P=0.003N**	P=0.499	P=0.327N	P=0.299N	P=0.011N*
LOGISTIC REGRESSION	P=0.005N**	P=0.557	P=0.349N	P=0.248N	P=0.014N*
COCH-ARM / FISHERS	P=0.004N**	P=0.580N	P=0.344N	P=0.212N	P=0.013N*
ORDER RESTRICTED	P=0.006N**	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.004N**	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
 Time Report Requested: 10:38:19
 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

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

DOSE	Females				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

Thyroid Gland: Follicle
 Cyst

LESION RATES

OVERALL (a)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/44.37	1/44.58	0/44.19	0/43.27	0/42.89
POLY-3 PERCENT (g)	0%	2.2%	0%	0%	0%
TERMINAL (d)	0/33 (0%)	0/32 (0%)	0/32 (0%)	0/36 (0%)	0/31 (0%)
FIRST INCIDENCE	---	461	---	---	---

STATISTICAL TESTS

LIFE TABLE	P=0.569N	P=0.496	(e)	(e)	(e)
POLY 3	P=0.570N	P=0.501	(e)	(e)	(e)
POLY 1.5	P=0.571N	P=0.500	(e)	(e)	(e)
POLY 6	P=0.569N	P=0.502	(e)	(e)	(e)
LOGISTIC REGRESSION	P=0.574N	P=0.780	(e)	(e)	(e)
COCH-ARM / FISHERS	P=0.571N	P=0.500	(e)	(e)	(e)
ORDER RESTRICTED	P=0.380N	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.393N	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Sodium dichromate dihydrate (VI)
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STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)
 TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

Tongue
 Granuloma

LESION RATES

OVERALL (a)	0/45 (0%)	0/49 (0%)	0/48 (0%)	0/48 (0%)	2/48 (4%)
POLY-3 RATE (b)	0/39.72	0/42.84	0/42.19	0/41.27	2/42.31
POLY-3 PERCENT (g)	0%	0%	0%	0%	4.7%
TERMINAL (d)	0/29 (0%)	0/31 (0%)	0/30 (0%)	0/34 (0%)	1/30 (3%)
FIRST INCIDENCE	---	---	---	---	506

STATISTICAL TESTS

LIFE TABLE	P=0.019*	(e)	(e)	(e)	P=0.241
POLY 3	P=0.020*	(e)	(e)	(e)	P=0.251
POLY 1.5	P=0.020*	(e)	(e)	(e)	P=0.251
POLY 6	P=0.020*	(e)	(e)	(e)	P=0.251
LOGISTIC REGRESSION	P=0.019*	(e)	(e)	(e)	P=0.275
COCH-ARM / FISHERS	P=0.020*	(e)	(e)	(e)	P=0.264
ORDER RESTRICTED	P=0.019*	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.025*	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Sodium dichromate dihydrate (VI)
CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
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First Dose M/F: 10/02/02 / 10/02/02
Lab: SRI

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

DOSE	Females				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

Tongue
Inflammation Chronic

LESION RATES

OVERALL (a)	8/45 (18%)	3/49 (6%)	4/48 (8%)	14/48 (29%)	12/48 (25%)
POLY-3 RATE (b)	8/40.42	3/42.84	4/42.75	14/41.74	12/42.93
POLY-3 PERCENT (g)	19.8%	7%	9.4%	33.5%	28%
TERMINAL (d)	5/29 (17%)	3/31 (10%)	3/30 (10%)	13/34 (38%)	6/30 (20%)
FIRST INCIDENCE	595	729 (T)	554	590	583

STATISTICAL TESTS

LIFE TABLE	P=0.014*	P=0.093N	P=0.177N	P=0.187	P=0.237
POLY 3	P=0.013*	P=0.079N	P=0.148N	P=0.121	P=0.269
POLY 1.5	P=0.013*	P=0.077N	P=0.147N	P=0.129	P=0.271
POLY 6	P=0.014*	P=0.082N	P=0.150N	P=0.115	P=0.270
LOGISTIC REGRESSION	P=0.013*	P=0.077N	P=0.148N	P=0.128	P=0.266
COCH-ARM / FISHERS	P=0.015*	P=0.075N	P=0.147N	P=0.147	P=0.277
ORDER RESTRICTED	P=0.018*	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.023*	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
 Test Type: CHRONIC
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 Species/Strain: RATS/F 344

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 Sodium dichromate dihydrate (VI)
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 Lab: SRI

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

DOSE	Females				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L
Tongue Ulcer					
LESION RATES					
OVERALL (a)	0/45 (0%)	0/49 (0%)	0/48 (0%)	0/48 (0%)	3/48 (6%)
POLY-3 RATE (b)	0/39.72	0/42.84	0/42.19	0/41.27	3/42.07
POLY-3 PERCENT (g)	0%	0%	0%	0%	7.1%
TERMINAL (d)	0/29 (0%)	0/31 (0%)	0/30 (0%)	0/34 (0%)	2/30 (7%)
FIRST INCIDENCE	---	---	---	---	605
STATISTICAL TESTS					
LIFE TABLE	P=0.002**	(e)	(e)	(e)	P=0.121
POLY 3	P=0.002**	(e)	(e)	(e)	P=0.128
POLY 1.5	P=0.002**	(e)	(e)	(e)	P=0.129
POLY 6	P=0.002**	(e)	(e)	(e)	P=0.128
LOGISTIC REGRESSION	P=0.003**	(e)	(e)	(e)	P=0.133
COCH-ARM / FISHERS	P=0.003**	(e)	(e)	(e)	P=0.133
ORDER RESTRICTED	P=0.004**	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.004**	(e)	(e)	(e)	(e)

TDMS No. 20114 - 07
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: RATS/F 344

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Sodium dichromate dihydrate (VI)
 CAS Number: 7789-12-0

Date Report Requested: 10/04/2007
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 First Dose M/F: 10/02/02 / 10/02/02
 Lab: SRI

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

DOSE	Females				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

Tongue: Epithelium
 Hyperplasia

LESION RATES

OVERALL (a)	1/45 (2%)	1/49 (2%)	1/48 (2%)	0/48 (0%)	0/48 (0%)
POLY-3 RATE (b)	1/39.72	1/42.84	1/42.19	0/41.27	0/41.64
POLY-3 PERCENT (g)	2.5%	2.3%	2.4%	0%	0%
TERMINAL (d)	1/29 (3%)	1/31 (3%)	1/30 (3%)	0/34 (0%)	0/30 (0%)
FIRST INCIDENCE	729 (T)	729 (T)	729 (T)	---	---

STATISTICAL TESTS

LIFE TABLE	P=0.256N	P=0.747N	P=0.755N	P=0.468N	P=0.493N
POLY 3	P=0.260N	P=0.744N	P=0.747N	P=0.492N	P=0.491N
POLY 1.5	P=0.259N	P=0.743N	P=0.747N	P=0.491N	P=0.489N
POLY 6	P=0.260N	P=0.745N	P=0.748N	P=0.492N	P=0.492N
LOGISTIC REGRESSION	P=0.256N	P=0.747N	P=0.755N	(e)	(e)
COCH-ARM / FISHERS	P=0.257N	P=0.731N	P=0.736N	P=0.484N	P=0.484N
ORDER RESTRICTED	P=0.302N	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.307N	(e)	(e)	(e)	(e)

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 Species/Strain: RATS/F 344

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

DOSE	Females				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L
Uterus					
Angiectasis					
LESION RATES					
OVERALL (a)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)	2/50 (4%)
POLY-3 RATE (b)	0/43.49	0/43.84	0/44.19	0/43.27	2/42.98
POLY-3 PERCENT (g)	0%	0%	0%	0%	4.7%
TERMINAL (d)	0/33 (0%)	0/32 (0%)	0/32 (0%)	0/36 (0%)	0/31 (0%)
FIRST INCIDENCE	---	---	---	---	715
.....					
STATISTICAL TESTS					
LIFE TABLE	P=0.020*	(e)	(e)	(e)	P=0.236
POLY 3	P=0.019*	(e)	(e)	(e)	P=0.234
POLY 1.5	P=0.019*	(e)	(e)	(e)	P=0.237
POLY 6	P=0.018*	(e)	(e)	(e)	P=0.232
LOGISTIC REGRESSION	P=0.018*	(e)	(e)	(e)	P=0.231
COCH-ARM / FISHERS	P=0.020*	(e)	(e)	(e)	P=0.253
ORDER RESTRICTED	P=0.016*	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.021*	(e)	(e)	(e)	(e)
.....					

TDMS No. 20114 - 07
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STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344)
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females				
	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L

Uterus
Hyperplasia Cystic

LESION RATES

OVERALL (a)	5/49 (10%)	5/50 (10%)	4/50 (8%)	9/50 (18%)	5/50 (10%)
POLY-3 RATE (b)	5/43.94	5/43.91	4/44.67	9/43.50	5/43.44
POLY-3 PERCENT (g)	11.4%	11.4%	9%	20.7%	11.5%
TERMINAL (d)	4/33 (12%)	4/32 (13%)	3/32 (9%)	8/36 (22%)	4/31 (13%)
FIRST INCIDENCE	595	710	586	667	560

STATISTICAL TESTS

LIFE TABLE	P=0.465	P=0.614	P=0.519N	P=0.232	P=0.591
POLY 3	P=0.482	P=0.630	P=0.490N	P=0.184	P=0.624
POLY 1.5	P=0.491	P=0.626N	P=0.489N	P=0.191	P=0.630N
POLY 6	P=0.473	P=0.625	P=0.491N	P=0.183	P=0.617
LOGISTIC REGRESSION	P=0.478	P=0.628N	P=0.488N	P=0.189	P=0.630N
COCH-ARM / FISHERS	P=0.506	P=0.617N	P=0.487N	P=0.205	P=0.617N
ORDER RESTRICTED	P=0.380	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.390	(e)	(e)	(e)	(e)

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LEGEND

- (a) Number of tumor-bearing animals/number of animals examined at site.
 - (b) Number of tumor-bearing animals/Poly-3 number
 - (d) Observed incidence at terminal kill.
 - (f) Beneath the control incidence are the P-values associated with the trend test. Beneath the dosed group incidence are the P-values corresponding to pairwise comparisons between the controls and that dosed group. The life table analysis regards tumors in animals dying prior to terminal kill as being (directly or indirectly) the cause of death.
 - (e) Value of Statistic cannot be computed.
 - (g) Poly-3 adjusted lifetime tumor incidence.
 - (I) Interim sacrifice
 - (T) Terminal sacrifice
 - # Tumor rates based on numbers of animals necropsied.
 - * To the right of any statistical result, indicates significance at ($P \leq 0.05$).
 - ** To the right of any statistical result, indicates significance at ($P \leq 0.01$).
 - N Indicates a negative trend for all tests
- Logistic regression is an alternative method for analyzing the incidence of non-fatal tumors.
The Cochran-Armitage and Fishers exact tests compare directly the overall incidence rates.

*** END OF REPORT ***