

TDMS No. 20114 - 01
Test Type: 90-DAY
Route: DOSED WATER
Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Sodium dichromate dihydrate (VI)

CAS Number: 7789-12-0

Date Report Requested: 01/14/2009

Time Report Requested: 15:00:11

First Dose M/F: 11/12/01 / 11/11/01

Lab: SRI

F1_Rev.1_R2

C Number: C20114
Lock Date: 06/24/2002
Cage Range: ALL
Date Range: ALL
Reasons For Removal: ALL
Removal Date Range: ALL
Treatment Groups: Include ALL
Study Gender: Both
TDMSE Version: 2.1.0

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SUMMARY OF STATISTICALLY SIGNIFICANT ($P \leq .05$) RESULTS IN THE ANALYSIS OF SODIUM DICHROMATE DIHYDRATE (VI)

MALE RATS

Organ

Bone Marrow
Harderian Gland
Heart
Intestine Small, Duodenum
Kidney
Liver
Lymph Node, Mesenteric
Lymph Node: Mediastinal
Lymph Node: Pancreatic

Oral Mucosa
Pancreas: Acinus
Salivary Glands: Parotid Gland
Stomach, Glandular
Stomach, Glandular: Epithelium

Morphology

Hyperplasia
Inflammation Chronic Focal
Cardiomyopathy Focal
Infiltration Cellular Histiocyte
Nephropathy
Hematopoietic Cell Proliferation Focal
Infiltration Cellular Histiocyte
Hemorrhage
Ectasia
Hyperplasia Lymphoid
Infiltration Cellular Histiocyte
Inflammation Focal
Atrophy Focal
Basophilic Focus
Ulcer
Hyperplasia Focal Regenerative
Metaplasia Focal

FEMALE RATS

Organ

Bone Marrow
Intestine Small, Duodenum
Liver

Lung
Lymph Node, Mesenteric
Lymph Node: Pancreatic

Pituitary Gland: Rathke's Cleft
Stomach, Glandular
Stomach, Glandular: Epithelium

Morphology

Hyperplasia
Infiltration Cellular Histiocyte
Infiltration Cellular Histiocyte
Inflammation Chronic Focal
Inflammation Chronic Focal
Infiltration Cellular Histiocyte
Ectasia
Hyperplasia Lymphoid
Infiltration Cellular Histiocyte
Cyst
Ulcer
Hyperplasia Focal Regenerative

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SUMMARY OF STATISTICALLY SIGNIFICANT ($P \leq .05$) RESULTS IN THE ANALYSIS OF SODIUM DICHROMATE DIHYDRATE (VI)

Metaplasia Focal

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 14 WEEKS**

| DOSE | Males | | | | | |
|------------------------------------|-----------|-----------|-----------|------------|-----------|------------|
| | 0 MG/L | 62.5MG/L | 125MG/L | 250MG/L | 500MG/L | 1000 MG/L |
| Bone Marrow Hyperplasia | | | | | | |
| LESION RATES | | | | | | |
| OVERALL (a) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 2/10 (20%) | 0/10 (0%) | 3/10 (30%) |
| POLY-3 RATE (b) | 0/10.00 | 0/10.00 | 0/10.00 | 2/10.00 | 0/10.00 | 3/10.00 |
| POLY-3 PERCENT (g) | 0% | 0% | 0% | 20% | 0% | 30% |
| TERMINAL (d) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 2/10 (20%) | 0/10 (0%) | 3/10 (30%) |
| FIRST INCIDENCE | --- | --- | --- | 93 (T) | --- | 93 (T) |
| STATISTICAL TESTS | | | | | | |
| POLY 3 | P=0.009** | (e) | (e) | P=0.227 | (e) | P=0.095 |
| POLY 1.5 | P=0.009** | (e) | (e) | P=0.227 | (e) | P=0.095 |
| POLY 6 | P=0.009** | (e) | (e) | P=0.227 | (e) | P=0.095 |
| COCH-ARM / FISHERS | P=0.013* | (e) | (e) | P=0.237 | (e) | P=0.105 |
| MAX-ISO-POLY-3 | P=0.005** | (e) | (e) | P=0.066 | (e) | P=0.025* |

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 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 14 WEEKS**

| DOSE | Males | | | | | |
|---|-----------|----------|----------|----------|----------|------------|
| | 0 MG/L | 62.5MG/L | 125MG/L | 250MG/L | 500MG/L | 1000 MG/L |
| Harderian Gland Inflammation Chronic Focal | | | | | | |
| LESION RATES | | | | | | |
| OVERALL (a) | 0/10 (0%) | 0/6 (0%) | 0/6 (0%) | 0/6 (0%) | 0/6 (0%) | 2/10 (20%) |
| POLY-3 RATE (b) | 0/10.00 | 0/6.00 | 0/6.00 | 0/6.00 | 0/6.00 | 2/10.00 |
| POLY-3 PERCENT (g) | 0% | 0% | 0% | 0% | 0% | 20% |
| TERMINAL (d) | 0/10 (0%) | 0/6 (0%) | 0/6 (0%) | 0/6 (0%) | 0/6 (0%) | 2/10 (20%) |
| FIRST INCIDENCE | --- | --- | --- | --- | --- | 93 (T) |
| STATISTICAL TESTS | | | | | | |
| POLY 3 | P=0.023* | (e) | (e) | (e) | (e) | P=0.227 |
| POLY 1.5 | P=0.023* | (e) | (e) | (e) | (e) | P=0.227 |
| POLY 6 | P=0.023* | (e) | (e) | (e) | (e) | P=0.227 |
| COCH-ARM / FISHERS | P=0.025* | (e) | (e) | (e) | (e) | P=0.237 |
| MAX-ISO-POLY-3 | P=0.014* | (e) | (e) | (e) | (e) | P=0.066 |

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 Lab: SRI

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
TERMINAL SACRIFICE AT 14 WEEKS

| DOSE | Males | | | | | |
|-----------------------------|------------|-----------|-----------|-----------|------------|------------|
| | 0 MG/L | 62.5MG/L | 125MG/L | 250MG/L | 500MG/L | 1000 MG/L |
| Heart | | | | | | |
| Cardiomyopathy Focal | | | | | | |
| LESION RATES | | | | | | |
| OVERALL (a) | 6/10 (60%) | 5/6 (83%) | 3/6 (50%) | 5/6 (83%) | 6/6 (100%) | 4/10 (40%) |
| POLY-3 RATE (b) | 6/10.00 | 5/6.00 | 3/6.00 | 5/6.00 | 6/6.00 | 4/10.00 |
| POLY-3 PERCENT (g) | 60% | 83.3% | 50% | 83.3% | 100% | 40% |
| TERMINAL (d) | 6/10 (60%) | 5/6 (83%) | 3/6 (50%) | 5/6 (83%) | 6/6 (100%) | 4/10 (40%) |
| FIRST INCIDENCE | 93 (T) | 93 (T) | 93 (T) | 93 (T) | 93 (T) | 93 (T) |
| STATISTICAL TESTS | | | | | | |
| POLY 3 | P=0.170N | P=0.343 | P=0.549N | P=0.343 | P=0.106 | P=0.333N |
| POLY 1.5 | P=0.170N | P=0.343 | P=0.549N | P=0.343 | P=0.106 | P=0.333N |
| POLY 6 | P=0.170N | P=0.343 | P=0.549N | P=0.343 | P=0.106 | P=0.333N |
| COCH-ARM / FISHERS | P=0.178N | P=0.346 | P=0.549N | P=0.346 | P=0.115 | P=0.328N |
| MAX-ISO-POLY-3 | P=0.050N* | P=0.199 | P=0.369N | P=0.199 | P=0.047* | P=0.193N |

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 14 WEEKS**

| DOSE | Males | | | | | |
|---|-----------|-----------|------------|------------|------------|------------|
| | 0 MG/L | 62.5MG/L | 125MG/L | 250MG/L | 500MG/L | 1000 MG/L |
| Intestine Small, Duodenum Infiltration Cellular Histiocyte | | | | | | |
| LESION RATES | | | | | | |
| OVERALL (a) | 0/10 (0%) | 0/10 (0%) | 7/10 (70%) | 9/10 (90%) | 8/10 (80%) | 7/10 (70%) |
| POLY-3 RATE (b) | 0/10.00 | 0/10.00 | 7/10.00 | 9/10.00 | 8/10.00 | 7/10.00 |
| POLY-3 PERCENT (g) | 0% | 0% | 70% | 90% | 80% | 70% |
| TERMINAL (d) | 0/10 (0%) | 0/10 (0%) | 7/10 (70%) | 9/10 (90%) | 8/10 (80%) | 7/10 (70%) |
| FIRST INCIDENCE | --- | --- | 93 (T) | 93 (T) | 93 (T) | 93 (T) |
| STATISTICAL TESTS | | | | | | |
| POLY 3 | P<0.001** | (e) | P<0.001** | P<0.001** | P<0.001** | P<0.001** |
| POLY 1.5 | P<0.001** | (e) | P<0.001** | P<0.001** | P<0.001** | P<0.001** |
| POLY 6 | P<0.001** | (e) | P<0.001** | P<0.001** | P<0.001** | P<0.001** |
| COCH-ARM / FISHERS | P=0.002** | (e) | P=0.002** | P<0.001** | P<0.001** | P=0.002** |
| MAX-ISO-POLY-3 | P<0.001** | (e) | P<0.001** | P<0.001** | P<0.001** | P<0.001** |

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TERMINAL SACRIFICE AT 14 WEEKS

| DOSE | Males | | | | | |
|---------------------------|------------|------------|------------|------------|------------|------------|
| | 0 MG/L | 62.5MG/L | 125MG/L | 250MG/L | 500MG/L | 1000 MG/L |
| Kidney | | | | | | |
| Nephropathy | | | | | | |
| LESION RATES | | | | | | |
| OVERALL (a) | 5/10 (50%) | 1/10 (10%) | 1/10 (10%) | 2/10 (20%) | 4/10 (40%) | 4/10 (40%) |
| POLY-3 RATE (b) | 5/10.00 | 1/10.00 | 1/10.00 | 2/10.00 | 4/10.00 | 4/10.00 |
| POLY-3 PERCENT (g) | 50% | 10% | 10% | 20% | 40% | 40% |
| TERMINAL (d) | 5/10 (50%) | 1/10 (10%) | 1/10 (10%) | 2/10 (20%) | 4/10 (40%) | 4/10 (40%) |
| FIRST INCIDENCE | 93 (T) | 93 (T) | 93 (T) | 93 (T) | 93 (T) | 93 (T) |
| STATISTICAL TESTS | | | | | | |
| POLY 3 | P=0.211 | P=0.061N | P=0.061N | P=0.174N | P=0.500N | P=0.500N |
| POLY 1.5 | P=0.211 | P=0.061N | P=0.061N | P=0.174N | P=0.500N | P=0.500N |
| POLY 6 | P=0.211 | P=0.061N | P=0.061N | P=0.174N | P=0.500N | P=0.500N |
| COCH-ARM / FISHERS | P=0.214 | P=0.070N | P=0.070N | P=0.175N | P=0.500N | P=0.500N |
| MAX-ISO-POLY-3 | P=0.095N | P=0.020N* | P=0.020N* | P=0.079N | P=0.332N | P=0.332N |

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 14 WEEKS**

| DOSE | Males | | | | | |
|---|------------|-----------|-----------|-----------|----------|-----------|
| | 0 MG/L | 62.5MG/L | 125MG/L | 250MG/L | 500MG/L | 1000 MG/L |
| Liver | | | | | | |
| Hematopoietic Cell Proliferation Focal | | | | | | |
| LESION RATES | | | | | | |
| OVERALL (a) | 2/10 (20%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/9 (0%) | 0/10 (0%) |
| POLY-3 RATE (b) | 2/10.00 | 0/10.00 | 0/10.00 | 0/10.00 | 0/9.00 | 0/10.00 |
| POLY-3 PERCENT (g) | 20% | 0% | 0% | 0% | 0% | 0% |
| TERMINAL (d) | 2/10 (20%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/9 (0%) | 0/10 (0%) |
| FIRST INCIDENCE | 93 (T) | --- | --- | --- | --- | --- |
| STATISTICAL TESTS | | | | | | |
| POLY 3 | P=0.199N | P=0.227N | P=0.227N | P=0.227N | P=0.251N | P=0.227N |
| POLY 1.5 | P=0.199N | P=0.227N | P=0.227N | P=0.227N | P=0.251N | P=0.227N |
| POLY 6 | P=0.199N | P=0.227N | P=0.227N | P=0.227N | P=0.251N | P=0.227N |
| COCH-ARM / FISHERS | P=0.208N | P=0.237N | P=0.237N | P=0.237N | P=0.263N | P=0.237N |
| MAX-ISO-POLY-3 | P=0.005N** | P=0.066N | P=0.066N | P=0.066N | P=0.082N | P=0.066N |

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STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
TERMINAL SACRIFICE AT 14 WEEKS

| DOSE | Males | | | | | |
|-----------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|
| | 0 MG/L | 62.5MG/L | 125MG/L | 250MG/L | 500MG/L | 1000 MG/L |
| Liver | | | | | | |
| Hepatodiaphragmatic Nodule | | | | | | |
| LESION RATES | | | | | | |
| OVERALL (a) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 1/9 (11%) | 0/10 (0%) |
| POLY-3 RATE (b) | 0/10.00 | 0/10.00 | 0/10.00 | 0/10.00 | 1/9.00 | 0/10.00 |
| POLY-3 PERCENT (g) | 0% | 0% | 0% | 0% | 11.1% | 0% |
| TERMINAL (d) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 1/9 (11%) | 0/10 (0%) |
| FIRST INCIDENCE | --- | --- | --- | --- | 93 (T) | --- |
| STATISTICAL TESTS | | | | | | |
| POLY 3 | P=0.581 | (e) | (e) | (e) | P=0.479 | (e) |
| POLY 1.5 | P=0.581 | (e) | (e) | (e) | P=0.479 | (e) |
| POLY 6 | P=0.581 | (e) | (e) | (e) | P=0.479 | (e) |
| COCH-ARM / FISHERS | P=0.581 | (e) | (e) | (e) | P=0.474 | (e) |
| MAX-ISO-POLY-3 | P=0.182 | (e) | (e) | (e) | P=0.150 | (e) |

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STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
TERMINAL SACRIFICE AT 14 WEEKS

| DOSE | Males | | | | | |
|---|-----------|-----------|-----------|-----------|----------|-----------|
| | 0 MG/L | 62.5MG/L | 125MG/L | 250MG/L | 500MG/L | 1000 MG/L |
| Liver | | | | | | |
| Infiltration Cellular Histiocyte | | | | | | |
| LESION RATES | | | | | | |
| OVERALL (a) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/9 (0%) | 0/10 (0%) |
| POLY-3 RATE (b) | 0/10.00 | 0/10.00 | 0/10.00 | 0/10.00 | 0/9.00 | 0/10.00 |
| POLY-3 PERCENT (g) | 0% | 0% | 0% | 0% | 0% | 0% |
| TERMINAL (d) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/9 (0%) | 0/10 (0%) |
| FIRST INCIDENCE | --- | --- | --- | --- | --- | --- |
| STATISTICAL TESTS | | | | | | |
| POLY 3 | (e) | (e) | (e) | (e) | (e) | (e) |
| POLY 1.5 | (e) | (e) | (e) | (e) | (e) | (e) |
| POLY 6 | (e) | (e) | (e) | (e) | (e) | (e) |
| COCH-ARM / FISHERS | (e) | (e) | (e) | (e) | (e) | (e) |
| MAX-ISO-POLY-3 | (e) | (e) | (e) | (e) | (e) | (e) |

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TERMINAL SACRIFICE AT 14 WEEKS

| DOSE | Males | | | | | |
|---|------------|------------|-----------|-----------|----------|------------|
| | 0 MG/L | 62.5MG/L | 125MG/L | 250MG/L | 500MG/L | 1000 MG/L |
| Liver | | | | | | |
| Infiltration Cellular Mixed Cell | | | | | | |
| LESION RATES | | | | | | |
| OVERALL (a) | 2/10 (20%) | 1/10 (10%) | 0/10 (0%) | 0/10 (0%) | 0/9 (0%) | 1/10 (10%) |
| POLY-3 RATE (b) | 2/10.00 | 1/10.00 | 0/10.00 | 0/10.00 | 0/9.00 | 1/10.00 |
| POLY-3 PERCENT (g) | 20% | 10% | 0% | 0% | 0% | 10% |
| TERMINAL (d) | 2/10 (20%) | 1/10 (10%) | 0/10 (0%) | 0/10 (0%) | 0/9 (0%) | 1/10 (10%) |
| FIRST INCIDENCE | 93 (T) | 93 (T) | --- | --- | --- | 93 (T) |
| STATISTICAL TESTS | | | | | | |
| POLY 3 | P=0.519N | P=0.500N | P=0.227N | P=0.227N | P=0.251N | P=0.500N |
| POLY 1.5 | P=0.519N | P=0.500N | P=0.227N | P=0.227N | P=0.251N | P=0.500N |
| POLY 6 | P=0.519N | P=0.500N | P=0.227N | P=0.227N | P=0.251N | P=0.500N |
| COCH-ARM / FISHERS | P=0.520N | P=0.500N | P=0.237N | P=0.237N | P=0.263N | P=0.500N |
| MAX-ISO-POLY-3 | P=0.061N | P=0.274N | P=0.066N | P=0.066N | P=0.082N | P=0.274N |

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TERMINAL SACRIFICE AT 14 WEEKS

| DOSE | Males | | | | | |
|-----------------------------------|-----------|-----------|------------|-----------|-----------|------------|
| | 0 MG/L | 62.5MG/L | 125MG/L | 250MG/L | 500MG/L | 1000 MG/L |
| Liver | | | | | | |
| Inflammation Chronic Focal | | | | | | |
| LESION RATES | | | | | | |
| OVERALL (a) | 0/10 (0%) | 0/10 (0%) | 2/10 (20%) | 0/10 (0%) | 2/9 (22%) | 1/10 (10%) |
| POLY-3 RATE (b) | 0/10.00 | 0/10.00 | 2/10.00 | 0/10.00 | 2/9.00 | 1/10.00 |
| POLY-3 PERCENT (g) | 0% | 0% | 20% | 0% | 22.2% | 10% |
| TERMINAL (d) | 0/10 (0%) | 0/10 (0%) | 2/10 (20%) | 0/10 (0%) | 2/9 (22%) | 1/10 (10%) |
| FIRST INCIDENCE | --- | --- | 93 (T) | --- | 93 (T) | 93 (T) |
| STATISTICAL TESTS | | | | | | |
| POLY 3 | P=0.293 | (e) | P=0.227 | (e) | P=0.201 | P=0.500 |
| POLY 1.5 | P=0.293 | (e) | P=0.227 | (e) | P=0.201 | P=0.500 |
| POLY 6 | P=0.293 | (e) | P=0.227 | (e) | P=0.201 | P=0.500 |
| COCH-ARM / FISHERS | P=0.294 | (e) | P=0.237 | (e) | P=0.211 | P=0.500 |
| MAX-ISO-POLY-3 | P=0.100 | (e) | P=0.066 | (e) | P=0.059 | P=0.158 |

TDMS No. 20114 - 01
 Test Type: 90-DAY
 Route: DOSED WATER
 Species/Strain: RATS/F 344/N

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

Date Report Requested: 01/14/2009
 Time Report Requested: 15:00:11
 First Dose M/F: 11/12/01 / 11/11/01
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 14 WEEKS**

| DOSE | Males | | | | | |
|-----------------------------------|------------|-----------|-----------|-----------|-----------|------------|
| | 0 MG/L | 62.5MG/L | 125MG/L | 250MG/L | 500MG/L | 1000 MG/L |
| Lung | | | | | | |
| Inflammation Chronic Focal | | | | | | |
| LESION RATES | | | | | | |
| OVERALL (a) | 3/10 (30%) | 1/6 (17%) | 2/6 (33%) | 2/6 (33%) | 1/6 (17%) | 3/10 (30%) |
| POLY-3 RATE (b) | 3/10.00 | 1/6.00 | 2/6.00 | 2/6.00 | 1/6.00 | 3/10.00 |
| POLY-3 PERCENT (g) | 30% | 16.7% | 33.3% | 33.3% | 16.7% | 30% |
| TERMINAL (d) | 3/10 (30%) | 1/6 (17%) | 2/6 (33%) | 2/6 (33%) | 1/6 (17%) | 3/10 (30%) |
| FIRST INCIDENCE | 93 (T) | 93 (T) | 93 (T) | 93 (T) | 93 (T) | 93 (T) |
| STATISTICAL TESTS | | | | | | |
| POLY 3 | P=0.566 | P=0.500N | P=0.652 | P=0.652 | P=0.500N | P=0.678 |
| POLY 1.5 | P=0.566 | P=0.500N | P=0.652 | P=0.652 | P=0.500N | P=0.678 |
| POLY 6 | P=0.566 | P=0.500N | P=0.652 | P=0.652 | P=0.500N | P=0.678 |
| COCH-ARM / FISHERS | P=0.570 | P=0.511N | P=0.654 | P=0.654 | P=0.511N | P=0.686N |
| MAX-ISO-POLY-3 | P=0.404N | P=0.306N | P=0.451 | P=0.451 | P=0.306N | P=1.000 |

TDMS No. 20114 - 01
 Test Type: 90-DAY
 Route: DOSED WATER
 Species/Strain: RATS/F 344/N

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

Date Report Requested: 01/14/2009
 Time Report Requested: 15:00:11
 First Dose M/F: 11/12/01 / 11/11/01
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 14 WEEKS**

| DOSE | Males | | | | | |
|--|------------|----------|----------|----------|----------|------------|
| | 0 MG/L | 62.5MG/L | 125MG/L | 250MG/L | 500MG/L | 1000 MG/L |
| Lung: Alveolus Infiltration Cellular Histiocyte | | | | | | |
| LESION RATES | | | | | | |
| OVERALL (a) | 1/10 (10%) | 0/6 (0%) | 0/6 (0%) | 0/6 (0%) | 0/6 (0%) | 2/10 (20%) |
| POLY-3 RATE (b) | 1/10.00 | 0/6.00 | 0/6.00 | 0/6.00 | 0/6.00 | 2/10.00 |
| POLY-3 PERCENT (g) | 10% | 0% | 0% | 0% | 0% | 20% |
| TERMINAL (d) | 1/10 (10%) | 0/6 (0%) | 0/6 (0%) | 0/6 (0%) | 0/6 (0%) | 2/10 (20%) |
| FIRST INCIDENCE | 93 (T) | --- | --- | --- | --- | 93 (T) |
| STATISTICAL TESTS | | | | | | |
| POLY 3 | P=0.147 | P=0.600N | P=0.600N | P=0.600N | P=0.600N | P=0.500 |
| POLY 1.5 | P=0.147 | P=0.600N | P=0.600N | P=0.600N | P=0.600N | P=0.500 |
| POLY 6 | P=0.147 | P=0.600N | P=0.600N | P=0.600N | P=0.600N | P=0.500 |
| COCH-ARM / FISHERS | P=0.142 | P=0.625N | P=0.625N | P=0.625N | P=0.625N | P=0.500 |
| MAX-ISO-POLY-3 | P=0.068 | P=0.246N | P=0.246N | P=0.246N | P=0.246N | P=0.274 |

TDMS No. 20114 - 01
 Test Type: 90-DAY
 Route: DOSED WATER
 Species/Strain: RATS/F 344/N

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

Date Report Requested: 01/14/2009
 Time Report Requested: 15:00:11
 First Dose M/F: 11/12/01 / 11/11/01
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 14 WEEKS**

| DOSE | Males | | | | | |
|--|------------|-----------|----------|-----------|----------|------------|
| | 0 MG/L | 62.5MG/L | 125MG/L | 250MG/L | 500MG/L | 1000 MG/L |
| Lymph Node, Mesenteric Infiltration Cellular Histiocyte | | | | | | |
| LESION RATES | | | | | | |
| OVERALL (a) | 1/10 (10%) | 1/6 (17%) | 0/6 (0%) | 3/6 (50%) | 0/6 (0%) | 1/10 (10%) |
| POLY-3 RATE (b) | 1/10.00 | 1/6.00 | 0/6.00 | 3/6.00 | 0/6.00 | 1/10.00 |
| POLY-3 PERCENT (g) | 10% | 16.7% | 0% | 50% | 0% | 10% |
| TERMINAL (d) | 1/10 (10%) | 1/6 (17%) | 0/6 (0%) | 3/6 (50%) | 0/6 (0%) | 1/10 (10%) |
| FIRST INCIDENCE | 93 (T) | 93 (T) | --- | 93 (T) | --- | 93 (T) |
| STATISTICAL TESTS | | | | | | |
| POLY 3 | P=0.468N | P=0.643 | P=0.600N | P=0.106 | P=0.600N | P=0.760 |
| POLY 1.5 | P=0.468N | P=0.643 | P=0.600N | P=0.106 | P=0.600N | P=0.760 |
| POLY 6 | P=0.468N | P=0.643 | P=0.600N | P=0.106 | P=0.600N | P=0.760 |
| COCH-ARM / FISHERS | P=0.469N | P=0.625 | P=0.625N | P=0.118 | P=0.625N | P=0.763N |
| MAX-ISO-POLY-3 | P=0.215N | P=0.369 | P=0.246N | P=0.047* | P=0.246N | P=1.000 |

TDMS No. 20114 - 01
 Test Type: 90-DAY
 Route: DOSED WATER
 Species/Strain: RATS/F 344/N

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

Date Report Requested: 01/14/2009
 Time Report Requested: 15:00:11
 First Dose M/F: 11/12/01 / 11/11/01
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 14 WEEKS**

| DOSE | Males | | | | | |
|---|------------|-----------|-----------|----------|-----------|------------|
| | 0 MG/L | 62.5MG/L | 125MG/L | 250MG/L | 500MG/L | 1000 MG/L |
| Lymph Node: Mediastinal Hemorrhage | | | | | | |
| LESION RATES | | | | | | |
| OVERALL (a) | 2/10 (20%) | 0/10 (0%) | 0/10 (0%) | 0/9 (0%) | 0/10 (0%) | 1/10 (10%) |
| POLY-3 RATE (b) | 2/10.00 | 0/10.00 | 0/10.00 | 0/9.00 | 0/10.00 | 1/10.00 |
| POLY-3 PERCENT (g) | 20% | 0% | 0% | 0% | 0% | 10% |
| TERMINAL (d) | 2/10 (20%) | 0/10 (0%) | 0/10 (0%) | 0/9 (0%) | 0/10 (0%) | 1/10 (10%) |
| FIRST INCIDENCE | 93 (T) | --- | --- | --- | --- | 93 (T) |
| STATISTICAL TESTS | | | | | | |
| POLY 3 | P=0.650 | P=0.227N | P=0.227N | P=0.251N | P=0.227N | P=0.500N |
| POLY 1.5 | P=0.650 | P=0.227N | P=0.227N | P=0.251N | P=0.227N | P=0.500N |
| POLY 6 | P=0.650 | P=0.227N | P=0.227N | P=0.251N | P=0.227N | P=0.500N |
| COCH-ARM / FISHERS | P=0.648 | P=0.237N | P=0.237N | P=0.263N | P=0.237N | P=0.500N |
| MAX-ISO-POLY-3 | P=0.032N* | P=0.066N | P=0.066N | P=0.082N | P=0.066N | P=0.274N |

TDMS No. 20114 - 01
 Test Type: 90-DAY
 Route: DOSED WATER
 Species/Strain: RATS/F 344/N

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

Date Report Requested: 01/14/2009
 Time Report Requested: 15:00:11
 First Dose M/F: 11/12/01 / 11/11/01
 Lab: SRI

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
TERMINAL SACRIFICE AT 14 WEEKS

| DOSE | Males | | | | | |
|---------------------------------------|-----------|-----------|-----------|----------|------------|--------------|
| | 0 MG/L | 62.5MG/L | 125MG/L | 250MG/L | 500MG/L | 1000 MG/L |
| Lymph Node: Pancreatic Ectasia | | | | | | |
| LESION RATES | | | | | | |
| OVERALL (a) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/9 (0%) | 1/10 (10%) | 10/10 (100%) |
| POLY-3 RATE (b) | 0/10.00 | 0/10.00 | 0/10.00 | 0/9.00 | 1/10.00 | 10/10.00 |
| POLY-3 PERCENT (g) | 0% | 0% | 0% | 0% | 10% | 100% |
| TERMINAL (d) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/9 (0%) | 1/10 (10%) | 10/10 (100%) |
| FIRST INCIDENCE | --- | --- | --- | --- | 93 (T) | 93 (T) |
| STATISTICAL TESTS | | | | | | |
| POLY 3 | P<0.001** | (e) | (e) | (e) | P=0.500 | P<0.001** |
| POLY 1.5 | P<0.001** | (e) | (e) | (e) | P=0.500 | P<0.001** |
| POLY 6 | P<0.001** | (e) | (e) | (e) | P=0.500 | P<0.001** |
| COCH-ARM / FISHERS | P<0.001** | (e) | (e) | (e) | P=0.500 | P<0.001** |
| MAX-ISO-POLY-3 | P<0.001** | (e) | (e) | (e) | P=0.158 | (e) |

TDMS No. 20114 - 01
 Test Type: 90-DAY
 Route: DOSED WATER
 Species/Strain: RATS/F 344/N

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

Date Report Requested: 01/14/2009
 Time Report Requested: 15:00:11
 First Dose M/F: 11/12/01 / 11/11/01
 Lab: SRI

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
TERMINAL SACRIFICE AT 14 WEEKS

| DOSE | Males | | | | | |
|--|-----------|-----------|-----------|-----------|------------|------------|
| | 0 MG/L | 62.5MG/L | 125MG/L | 250MG/L | 500MG/L | 1000 MG/L |
| Lymph Node: Pancreatic Hyperplasia Lymphoid | | | | | | |
| LESION RATES | | | | | | |
| OVERALL (a) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 3/9 (33%) | 3/10 (30%) | 6/10 (60%) |
| POLY-3 RATE (b) | 0/10.00 | 0/10.00 | 0/10.00 | 3/9.00 | 3/10.00 | 6/10.00 |
| POLY-3 PERCENT (g) | 0% | 0% | 0% | 33.3% | 30% | 60% |
| TERMINAL (d) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 3/9 (33%) | 3/10 (30%) | 6/10 (60%) |
| FIRST INCIDENCE | --- | --- | --- | 93 (T) | 93 (T) | 93 (T) |
| STATISTICAL TESTS | | | | | | |
| POLY 3 | P<0.001** | (e) | (e) | P=0.074 | P=0.095 | P<0.001** |
| POLY 1.5 | P<0.001** | (e) | (e) | P=0.074 | P=0.095 | P<0.001** |
| POLY 6 | P<0.001** | (e) | (e) | P=0.074 | P=0.095 | P<0.001** |
| COCH-ARM / FISHERS | P<0.001** | (e) | (e) | P=0.087 | P=0.105 | P=0.005** |
| MAX-ISO-POLY-3 | P<0.001** | (e) | (e) | P=0.019* | P=0.025* | P<0.001** |

TDMS No. 20114 - 01
 Test Type: 90-DAY
 Route: DOSED WATER
 Species/Strain: RATS/F 344/N

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

Date Report Requested: 01/14/2009
 Time Report Requested: 15:00:11
 First Dose M/F: 11/12/01 / 11/11/01
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 14 WEEKS**

| DOSE | Males | | | | | |
|--|-----------|------------|------------|-----------|------------|------------|
| | 0 MG/L | 62.5MG/L | 125MG/L | 250MG/L | 500MG/L | 1000 MG/L |
| Lymph Node: Pancreatic Infiltration Cellular Histiocyte | | | | | | |
| LESION RATES | | | | | | |
| OVERALL (a) | 0/10 (0%) | 5/10 (50%) | 2/10 (20%) | 4/9 (44%) | 5/10 (50%) | 9/10 (90%) |
| POLY-3 RATE (b) | 0/10.00 | 5/10.00 | 2/10.00 | 4/9.00 | 5/10.00 | 9/10.00 |
| POLY-3 PERCENT (g) | 0% | 50% | 20% | 44.4% | 50% | 90% |
| TERMINAL (d) | 0/10 (0%) | 5/10 (50%) | 2/10 (20%) | 4/9 (44%) | 5/10 (50%) | 9/10 (90%) |
| FIRST INCIDENCE | --- | 93 (T) | 93 (T) | 93 (T) | 93 (T) | 93 (T) |
| STATISTICAL TESTS | | | | | | |
| POLY 3 | P<0.001** | P=0.008** | P=0.227 | P=0.021* | P=0.008** | P<0.001** |
| POLY 1.5 | P<0.001** | P=0.008** | P=0.227 | P=0.021* | P=0.008** | P<0.001** |
| POLY 6 | P<0.001** | P=0.008** | P=0.227 | P=0.021* | P=0.008** | P<0.001** |
| COCH-ARM / FISHERS | P<0.001** | P=0.016* | P=0.237 | P=0.033* | P=0.016* | P<0.001** |
| MAX-ISO-POLY-3 | P<0.001** | P<0.001** | P=0.066 | P=0.004** | P<0.001** | P<0.001** |

TDMS No. 20114 - 01
 Test Type: 90-DAY
 Route: DOSED WATER
 Species/Strain: RATS/F 344/N

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

Date Report Requested: 01/14/2009
 Time Report Requested: 15:00:11
 First Dose M/F: 11/12/01 / 11/11/01
 Lab: SRI

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
TERMINAL SACRIFICE AT 14 WEEKS

| DOSE | Males | | | | | |
|---------------------------|------------|-----------|-----------|-----------|-----------|-----------|
| | 0 MG/L | 62.5MG/L | 125MG/L | 250MG/L | 500MG/L | 1000 MG/L |
| Oral Mucosa | | | | | | |
| Inflammation Focal | | | | | | |
| LESION RATES | | | | | | |
| OVERALL (a) | 2/10 (20%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) |
| POLY-3 RATE (b) | 2/10.00 | 0/10.00 | 0/10.00 | 0/10.00 | 0/10.00 | 0/10.00 |
| POLY-3 PERCENT (g) | 20% | 0% | 0% | 0% | 0% | 0% |
| TERMINAL (d) | 2/10 (20%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) |
| FIRST INCIDENCE | 93 (T) | --- | --- | --- | --- | --- |
| STATISTICAL TESTS | | | | | | |
| POLY 3 | P=0.193N | P=0.227N | P=0.227N | P=0.227N | P=0.227N | P=0.227N |
| POLY 1.5 | P=0.193N | P=0.227N | P=0.227N | P=0.227N | P=0.227N | P=0.227N |
| POLY 6 | P=0.193N | P=0.227N | P=0.227N | P=0.227N | P=0.227N | P=0.227N |
| COCH-ARM / FISHERS | P=0.203N | P=0.237N | P=0.237N | P=0.237N | P=0.237N | P=0.237N |
| MAX-ISO-POLY-3 | P=0.005N** | P=0.066N | P=0.066N | P=0.066N | P=0.066N | P=0.066N |

TDMS No. 20114 - 01
 Test Type: 90-DAY
 Route: DOSED WATER
 Species/Strain: RATS/F 344/N

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

Date Report Requested: 01/14/2009
 Time Report Requested: 15:00:11
 First Dose M/F: 11/12/01 / 11/11/01
 Lab: SRI

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
TERMINAL SACRIFICE AT 14 WEEKS

| DOSE | Males | | | | | |
|---------------------------|-----------|----------|----------|----------|----------|------------|
| | 0 MG/L | 62.5MG/L | 125MG/L | 250MG/L | 500MG/L | 1000 MG/L |
| Pancreas: Acinus | | | | | | |
| Atrophy Focal | | | | | | |
| LESION RATES | | | | | | |
| OVERALL (a) | 0/10 (0%) | 0/6 (0%) | 0/6 (0%) | 0/6 (0%) | 0/6 (0%) | 2/10 (20%) |
| POLY-3 RATE (b) | 0/10.00 | 0/6.00 | 0/6.00 | 0/6.00 | 0/6.00 | 2/10.00 |
| POLY-3 PERCENT (g) | 0% | 0% | 0% | 0% | 0% | 20% |
| TERMINAL (d) | 0/10 (0%) | 0/6 (0%) | 0/6 (0%) | 0/6 (0%) | 0/6 (0%) | 2/10 (20%) |
| FIRST INCIDENCE | --- | --- | --- | --- | --- | 93 (T) |
| STATISTICAL TESTS | | | | | | |
| POLY 3 | P=0.023* | (e) | (e) | (e) | (e) | P=0.227 |
| POLY 1.5 | P=0.023* | (e) | (e) | (e) | (e) | P=0.227 |
| POLY 6 | P=0.023* | (e) | (e) | (e) | (e) | P=0.227 |
| COCH-ARM / FISHERS | P=0.025* | (e) | (e) | (e) | (e) | P=0.237 |
| MAX-ISO-POLY-3 | P=0.014* | (e) | (e) | (e) | (e) | P=0.066 |

TDMS No. 20114 - 01
 Test Type: 90-DAY
 Route: DOSED WATER
 Species/Strain: RATS/F 344/N

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

Date Report Requested: 01/14/2009
 Time Report Requested: 15:00:11
 First Dose M/F: 11/12/01 / 11/11/01
 Lab: SRI

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
TERMINAL SACRIFICE AT 14 WEEKS

| DOSE | Males | | | | | |
|--|------------|-----------|-----------|----------|----------|-----------|
| | 0 MG/L | 62.5MG/L | 125MG/L | 250MG/L | 500MG/L | 1000 MG/L |
| Pituitary Gland: Pars Distalis Cyst | | | | | | |
| LESION RATES | | | | | | |
| OVERALL (a) | 2/10 (20%) | 1/6 (17%) | 1/6 (17%) | 0/6 (0%) | 0/6 (0%) | 0/10 (0%) |
| POLY-3 RATE (b) | 2/10.00 | 1/6.00 | 1/6.00 | 0/6.00 | 0/6.00 | 0/10.00 |
| POLY-3 PERCENT (g) | 20% | 16.7% | 16.7% | 0% | 0% | 0% |
| TERMINAL (d) | 2/10 (20%) | 1/6 (17%) | 1/6 (17%) | 0/6 (0%) | 0/6 (0%) | 0/10 (0%) |
| FIRST INCIDENCE | 93 (T) | 93 (T) | 93 (T) | --- | --- | --- |
| STATISTICAL TESTS | | | | | | |
| POLY 3 | P=0.093N | P=0.679N | P=0.679N | P=0.351N | P=0.351N | P=0.227N |
| POLY 1.5 | P=0.093N | P=0.679N | P=0.679N | P=0.351N | P=0.351N | P=0.227N |
| POLY 6 | P=0.093N | P=0.679N | P=0.679N | P=0.351N | P=0.351N | P=0.227N |
| COCH-ARM / FISHERS | P=0.089N | P=0.696N | P=0.696N | P=0.375N | P=0.375N | P=0.237N |
| MAX-ISO-POLY-3 | P=0.063N | P=0.443N | P=0.443N | P=0.152N | P=0.152N | P=0.066N |

TDMS No. 20114 - 01
 Test Type: 90-DAY
 Route: DOSED WATER
 Species/Strain: RATS/F 344/N

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

Date Report Requested: 01/14/2009
 Time Report Requested: 15:00:11
 First Dose M/F: 11/12/01 / 11/11/01
 Lab: SRI

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
TERMINAL SACRIFICE AT 14 WEEKS

| DOSE | Males | | | | | |
|---|-----------|----------|----------|----------|----------|-----------|
| | 0 MG/L | 62.5MG/L | 125MG/L | 250MG/L | 500MG/L | 1000 MG/L |
| Pituitary Gland: Rathke's Cleft Cyst | | | | | | |
| LESION RATES | | | | | | |
| OVERALL (a) | 0/10 (0%) | 0/6 (0%) | 0/6 (0%) | 0/6 (0%) | 0/6 (0%) | 0/10 (0%) |
| POLY-3 RATE (b) | 0/10.00 | 0/6.00 | 0/6.00 | 0/6.00 | 0/6.00 | 0/10.00 |
| POLY-3 PERCENT (g) | 0% | 0% | 0% | 0% | 0% | 0% |
| TERMINAL (d) | 0/10 (0%) | 0/6 (0%) | 0/6 (0%) | 0/6 (0%) | 0/6 (0%) | 0/10 (0%) |
| FIRST INCIDENCE | --- | --- | --- | --- | --- | --- |
| STATISTICAL TESTS | | | | | | |
| POLY 3 | (e) | (e) | (e) | (e) | (e) | (e) |
| POLY 1.5 | (e) | (e) | (e) | (e) | (e) | (e) |
| POLY 6 | (e) | (e) | (e) | (e) | (e) | (e) |
| COCH-ARM / FISHERS | (e) | (e) | (e) | (e) | (e) | (e) |
| MAX-ISO-POLY-3 | (e) | (e) | (e) | (e) | (e) | (e) |

TDMS No. 20114 - 01
 Test Type: 90-DAY
 Route: DOSED WATER
 Species/Strain: RATS/F 344/N

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

Date Report Requested: 01/14/2009
 Time Report Requested: 15:00:11
 First Dose M/F: 11/12/01 / 11/11/01
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 14 WEEKS**

| DOSE | Males | | | | | |
|---------------------------------------|------------|-----------|-----------|-----------|-----------|--------------|
| | 0 MG/L | 62.5MG/L | 125MG/L | 250MG/L | 500MG/L | 1000 MG/L |
| Salivary Glands: Parotid Gland | | | | | | |
| Basophilic Focus | | | | | | |
| LESION RATES | | | | | | |
| OVERALL (a) | 7/10 (70%) | 3/6 (50%) | 4/6 (67%) | 4/6 (67%) | 3/6 (50%) | 10/10 (100%) |
| POLY-3 RATE (b) | 7/10.00 | 3/6.00 | 4/6.00 | 4/6.00 | 3/6.00 | 10/10.00 |
| POLY-3 PERCENT (g) | 70% | 50% | 66.7% | 66.7% | 50% | 100% |
| TERMINAL (d) | 7/10 (70%) | 3/6 (50%) | 4/6 (67%) | 4/6 (67%) | 3/6 (50%) | 10/10 (100%) |
| FIRST INCIDENCE | 93 (T) | 93 (T) | 93 (T) | 93 (T) | 93 (T) | 93 (T) |
| STATISTICAL TESTS | | | | | | |
| POLY 3 | P=0.046* | P=0.400N | P=0.652N | P=0.652N | P=0.400N | P=0.095 |
| POLY 1.5 | P=0.046* | P=0.400N | P=0.652N | P=0.652N | P=0.400N | P=0.095 |
| POLY 6 | P=0.046* | P=0.400N | P=0.652N | P=0.652N | P=0.400N | P=0.095 |
| COCH-ARM / FISHERS | P=0.048* | P=0.392N | P=0.654N | P=0.654N | P=0.392N | P=0.105 |
| MAX-ISO-POLY-3 | P=0.029* | P=0.246N | P=0.451N | P=0.451N | P=0.246N | P=0.025* |

TDMS No. 20114 - 01
 Test Type: 90-DAY
 Route: DOSED WATER
 Species/Strain: RATS/F 344/N

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

Date Report Requested: 01/14/2009
 Time Report Requested: 15:00:11
 First Dose M/F: 11/12/01 / 11/11/01
 Lab: SRI

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
TERMINAL SACRIFICE AT 14 WEEKS

| DOSE | Males | | | | | |
|---------------------------------|-----------|-----------|-----------|-----------|------------|------------|
| | 0 MG/L | 62.5MG/L | 125MG/L | 250MG/L | 500MG/L | 1000 MG/L |
| Stomach, Glandular Ulcer | | | | | | |
| LESION RATES | | | | | | |
| OVERALL (a) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 1/10 (10%) | 8/10 (80%) |
| POLY-3 RATE (b) | 0/10.00 | 0/10.00 | 0/10.00 | 0/10.00 | 1/10.00 | 8/10.00 |
| POLY-3 PERCENT (g) | 0% | 0% | 0% | 0% | 10% | 80% |
| TERMINAL (d) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 1/10 (10%) | 8/10 (80%) |
| FIRST INCIDENCE | --- | --- | --- | --- | 93 (T) | 93 (T) |
| STATISTICAL TESTS | | | | | | |
| POLY 3 | P<0.001** | (e) | (e) | (e) | P=0.500 | P<0.001** |
| POLY 1.5 | P<0.001** | (e) | (e) | (e) | P=0.500 | P<0.001** |
| POLY 6 | P<0.001** | (e) | (e) | (e) | P=0.500 | P<0.001** |
| COCH-ARM / FISHERS | P<0.001** | (e) | (e) | (e) | P=0.500 | P<0.001** |
| MAX-ISO-POLY-3 | P<0.001** | (e) | (e) | (e) | P=0.158 | P<0.001** |

TDMS No. 20114 - 01
 Test Type: 90-DAY
 Route: DOSED WATER
 Species/Strain: RATS/F 344/N

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

Date Report Requested: 01/14/2009
 Time Report Requested: 15:00:11
 First Dose M/F: 11/12/01 / 11/11/01
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 14 WEEKS**

| DOSE | Males | | | | | |
|--|-----------|-----------|-----------|-----------|-----------|--------------|
| | 0 MG/L | 62.5MG/L | 125MG/L | 250MG/L | 500MG/L | 1000 MG/L |
| Stomach, Glandular: Epithelium Hyperplasia Focal Regenerative | | | | | | |
| LESION RATES | | | | | | |
| OVERALL (a) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 10/10 (100%) |
| POLY-3 RATE (b) | 0/10.00 | 0/10.00 | 0/10.00 | 0/10.00 | 0/10.00 | 10/10.00 |
| POLY-3 PERCENT (g) | 0% | 0% | 0% | 0% | 0% | 100% |
| TERMINAL (d) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 10/10 (100%) |
| FIRST INCIDENCE | --- | --- | --- | --- | --- | 93 (T) |
| STATISTICAL TESTS | | | | | | |
| POLY 3 | P<0.001** | (e) | (e) | (e) | (e) | P<0.001** |
| POLY 1.5 | P<0.001** | (e) | (e) | (e) | (e) | P<0.001** |
| POLY 6 | P<0.001** | (e) | (e) | (e) | (e) | P<0.001** |
| COCH-ARM / FISHERS | P<0.001** | (e) | (e) | (e) | (e) | P<0.001** |
| MAX-ISO-POLY-3 | P<0.001** | (e) | (e) | (e) | (e) | (e) |

TDMS No. 20114 - 01
 Test Type: 90-DAY
 Route: DOSED WATER
 Species/Strain: RATS/F 344/N

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

Date Report Requested: 01/14/2009
 Time Report Requested: 15:00:11
 First Dose M/F: 11/12/01 / 11/11/01
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 14 WEEKS**

| DOSE | Males | | | | | |
|--|-----------|-----------|-----------|-----------|-----------|------------|
| | 0 MG/L | 62.5MG/L | 125MG/L | 250MG/L | 500MG/L | 1000 MG/L |
| Stomach, Glandular: Epithelium Metaplasia Focal | | | | | | |
| LESION RATES | | | | | | |
| OVERALL (a) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 7/10 (70%) |
| POLY-3 RATE (b) | 0/10.00 | 0/10.00 | 0/10.00 | 0/10.00 | 0/10.00 | 7/10.00 |
| POLY-3 PERCENT (g) | 0% | 0% | 0% | 0% | 0% | 70% |
| TERMINAL (d) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 7/10 (70%) |
| FIRST INCIDENCE | --- | --- | --- | --- | --- | 93 (T) |
| STATISTICAL TESTS | | | | | | |
| POLY 3 | P<0.001** | (e) | (e) | (e) | (e) | P<0.001** |
| POLY 1.5 | P<0.001** | (e) | (e) | (e) | (e) | P<0.001** |
| POLY 6 | P<0.001** | (e) | (e) | (e) | (e) | P<0.001** |
| COCH-ARM / FISHERS | P<0.001** | (e) | (e) | (e) | (e) | P=0.002** |
| MAX-ISO-POLY-3 | P<0.001** | (e) | (e) | (e) | (e) | P<0.001** |

TDMS No. 20114 - 01
 Test Type: 90-DAY
 Route: DOSED WATER
 Species/Strain: RATS/F 344/N

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

Date Report Requested: 01/14/2009
 Time Report Requested: 15:00:11
 First Dose M/F: 11/12/01 / 11/11/01
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 14 WEEKS**

| DOSE | Females | | | | | |
|------------------------------------|-----------|-----------|-----------|-----------|-----------|------------|
| | 0 MG/L | 62.5MG/L | 125MG/L | 250MG/L | 500MG/L | 1000 MG/L |
| Bone Marrow Hyperplasia | | | | | | |
| LESION RATES | | | | | | |
| OVERALL (a) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 4/10 (40%) |
| POLY-3 RATE (b) | 0/10.00 | 0/10.00 | 0/10.00 | 0/10.00 | 0/10.00 | 4/10.00 |
| POLY-3 PERCENT (g) | 0% | 0% | 0% | 0% | 0% | 40% |
| TERMINAL (d) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 4/10 (40%) |
| FIRST INCIDENCE | --- | --- | --- | --- | --- | 93 (T) |
| STATISTICAL TESTS | | | | | | |
| POLY 3 | P<0.001** | (e) | (e) | (e) | (e) | P=0.033* |
| POLY 1.5 | P<0.001** | (e) | (e) | (e) | (e) | P=0.033* |
| POLY 6 | P<0.001** | (e) | (e) | (e) | (e) | P=0.033* |
| COCH-ARM / FISHERS | P<0.001** | (e) | (e) | (e) | (e) | P=0.043* |
| MAX-ISO-POLY-3 | P<0.001** | (e) | (e) | (e) | (e) | P=0.007** |

TDMS No. 20114 - 01
 Test Type: 90-DAY
 Route: DOSED WATER
 Species/Strain: RATS/F 344/N

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

Date Report Requested: 01/14/2009
 Time Report Requested: 15:00:11
 First Dose M/F: 11/12/01 / 11/11/01
 Lab: SRI

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
TERMINAL SACRIFICE AT 14 WEEKS

| DOSE | Females | | | | | |
|-----------------------------------|-----------|----------|-----------|-----------|----------|-----------|
| | 0 MG/L | 62.5MG/L | 125MG/L | 250MG/L | 500MG/L | 1000 MG/L |
| Harderian Gland | | | | | | |
| Inflammation Chronic Focal | | | | | | |
| LESION RATES | | | | | | |
| OVERALL (a) | 0/10 (0%) | 0/6 (0%) | 1/6 (17%) | 1/6 (17%) | 0/6 (0%) | 0/10 (0%) |
| POLY-3 RATE (b) | 0/10.00 | 0/6.00 | 1/6.00 | 1/6.00 | 0/6.00 | 0/10.00 |
| POLY-3 PERCENT (g) | 0% | 0% | 16.7% | 16.7% | 0% | 0% |
| TERMINAL (d) | 0/10 (0%) | 0/6 (0%) | 1/6 (17%) | 1/6 (17%) | 0/6 (0%) | 0/10 (0%) |
| FIRST INCIDENCE | --- | --- | 93 (T) | 93 (T) | --- | --- |
| STATISTICAL TESTS | | | | | | |
| POLY 3 | P=0.436N | (e) | P=0.396 | P=0.396 | (e) | (e) |
| POLY 1.5 | P=0.436N | (e) | P=0.396 | P=0.396 | (e) | (e) |
| POLY 6 | P=0.436N | (e) | P=0.396 | P=0.396 | (e) | (e) |
| COCH-ARM / FISHERS | P=0.436N | (e) | P=0.375 | P=0.375 | (e) | (e) |
| MAX-ISO-POLY-3 | P=0.410 | (e) | P=0.118 | P=0.118 | (e) | (e) |

TDMS No. 20114 - 01
 Test Type: 90-DAY
 Route: DOSED WATER
 Species/Strain: RATS/F 344/N

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

Date Report Requested: 01/14/2009
 Time Report Requested: 15:00:11
 First Dose M/F: 11/12/01 / 11/11/01
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 14 WEEKS**

| DOSE | Females | | | | | |
|-----------------------------|------------|----------|-----------|-----------|-----------|------------|
| | 0 MG/L | 62.5MG/L | 125MG/L | 250MG/L | 500MG/L | 1000 MG/L |
| Heart | | | | | | |
| Cardiomyopathy Focal | | | | | | |
| LESION RATES | | | | | | |
| OVERALL (a) | 3/10 (30%) | 0/6 (0%) | 2/6 (33%) | 2/6 (33%) | 1/6 (17%) | 1/10 (10%) |
| POLY-3 RATE (b) | 3/10.00 | 0/6.00 | 2/6.00 | 2/6.00 | 1/6.00 | 1/10.00 |
| POLY-3 PERCENT (g) | 30% | 0% | 33.3% | 33.3% | 16.7% | 10% |
| TERMINAL (d) | 3/10 (30%) | 0/6 (0%) | 2/6 (33%) | 2/6 (33%) | 1/6 (17%) | 1/10 (10%) |
| FIRST INCIDENCE | 93 (T) | --- | 93 (T) | 93 (T) | 93 (T) | 93 (T) |
| STATISTICAL TESTS | | | | | | |
| POLY 3 | P=0.254N | P=0.202N | P=0.652 | P=0.652 | P=0.500N | P=0.292N |
| POLY 1.5 | P=0.254N | P=0.202N | P=0.652 | P=0.652 | P=0.500N | P=0.292N |
| POLY 6 | P=0.254N | P=0.202N | P=0.652 | P=0.652 | P=0.500N | P=0.292N |
| COCH-ARM / FISHERS | P=0.248N | P=0.214N | P=0.654 | P=0.654 | P=0.511N | P=0.291N |
| MAX-ISO-POLY-3 | P=0.255N | P=0.090N | P=0.453 | P=0.453 | P=0.306N | P=0.135N |

TDMS No. 20114 - 01
 Test Type: 90-DAY
 Route: DOSED WATER
 Species/Strain: RATS/F 344/N

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

Date Report Requested: 01/14/2009
 Time Report Requested: 15:00:11
 First Dose M/F: 11/12/01 / 11/11/01
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 14 WEEKS**

| DOSE | Females | | | | | |
|---|-----------|------------|------------|------------|------------|--------------|
| | 0 MG/L | 62.5MG/L | 125MG/L | 250MG/L | 500MG/L | 1000 MG/L |
| Intestine Small, Duodenum Infiltration Cellular Histiocyte | | | | | | |
| LESION RATES | | | | | | |
| OVERALL (a) | 0/10 (0%) | 1/10 (10%) | 5/10 (50%) | 7/10 (70%) | 8/10 (80%) | 10/10 (100%) |
| POLY-3 RATE (b) | 0/10.00 | 1/10.00 | 5/10.00 | 7/10.00 | 8/10.00 | 10/10.00 |
| POLY-3 PERCENT (g) | 0% | 10% | 50% | 70% | 80% | 100% |
| TERMINAL (d) | 0/10 (0%) | 1/10 (10%) | 5/10 (50%) | 7/10 (70%) | 8/10 (80%) | 10/10 (100%) |
| FIRST INCIDENCE | --- | 93 (T) | 93 (T) | 93 (T) | 93 (T) | 93 (T) |
| STATISTICAL TESTS | | | | | | |
| POLY 3 | P<0.001** | P=0.500 | P=0.008** | P<0.001** | P<0.001** | P<0.001** |
| POLY 1.5 | P<0.001** | P=0.500 | P=0.008** | P<0.001** | P<0.001** | P<0.001** |
| POLY 6 | P<0.001** | P=0.500 | P=0.008** | P<0.001** | P<0.001** | P<0.001** |
| COCH-ARM / FISHERS | P<0.001** | P=0.500 | P=0.016* | P=0.002** | P<0.001** | P<0.001** |
| MAX-ISO-POLY-3 | P<0.001** | P=0.158 | P=0.002** | P<0.001** | P<0.001** | (e) |

TDMS No. 20114 - 01
 Test Type: 90-DAY
 Route: DOSED WATER
 Species/Strain: RATS/F 344/N

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

Date Report Requested: 01/14/2009
 Time Report Requested: 15:00:11
 First Dose M/F: 11/12/01 / 11/11/01
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 14 WEEKS**

| DOSE | Females | | | | | |
|-------------------------------|-----------|-----------|-----------|-----------|-----------|------------|
| | 0 MG/L | 62.5MG/L | 125MG/L | 250MG/L | 500MG/L | 1000 MG/L |
| Kidney Nephropathy | | | | | | |
| LESION RATES | | | | | | |
| OVERALL (a) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 1/10 (10%) |
| POLY-3 RATE (b) | 0/10.00 | 0/10.00 | 0/10.00 | 0/10.00 | 0/10.00 | 1/10.00 |
| POLY-3 PERCENT (g) | 0% | 0% | 0% | 0% | 0% | 10% |
| TERMINAL (d) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 1/10 (10%) |
| FIRST INCIDENCE | --- | --- | --- | --- | --- | 93 (T) |
| STATISTICAL TESTS | | | | | | |
| POLY 3 | P=0.107 | (e) | (e) | (e) | (e) | P=0.500 |
| POLY 1.5 | P=0.107 | (e) | (e) | (e) | (e) | P=0.500 |
| POLY 6 | P=0.107 | (e) | (e) | (e) | (e) | P=0.500 |
| COCH-ARM / FISHERS | P=0.105 | (e) | (e) | (e) | (e) | P=0.500 |
| MAX-ISO-POLY-3 | P=0.074 | (e) | (e) | (e) | (e) | P=0.158 |

TDMS No. 20114 - 01
 Test Type: 90-DAY
 Route: DOSED WATER
 Species/Strain: RATS/F 344/N

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

Date Report Requested: 01/14/2009
 Time Report Requested: 15:00:11
 First Dose M/F: 11/12/01 / 11/11/01
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 14 WEEKS**

| DOSE | Females | | | | | |
|---|-----------|-----------|-----------|-----------|-----------|-----------|
| | 0 MG/L | 62.5MG/L | 125MG/L | 250MG/L | 500MG/L | 1000 MG/L |
| Liver | | | | | | |
| Hematopoietic Cell Proliferation Focal | | | | | | |
| LESION RATES | | | | | | |
| OVERALL (a) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) |
| POLY-3 RATE (b) | 0/10.00 | 0/10.00 | 0/10.00 | 0/10.00 | 0/10.00 | 0/10.00 |
| POLY-3 PERCENT (g) | 0% | 0% | 0% | 0% | 0% | 0% |
| TERMINAL (d) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) |
| FIRST INCIDENCE | --- | --- | --- | --- | --- | --- |
| STATISTICAL TESTS | | | | | | |
| POLY 3 | (e) | (e) | (e) | (e) | (e) | (e) |
| POLY 1.5 | (e) | (e) | (e) | (e) | (e) | (e) |
| POLY 6 | (e) | (e) | (e) | (e) | (e) | (e) |
| COCH-ARM / FISHERS | (e) | (e) | (e) | (e) | (e) | (e) |
| MAX-ISO-POLY-3 | (e) | (e) | (e) | (e) | (e) | (e) |

TDMS No. 20114 - 01
 Test Type: 90-DAY
 Route: DOSED WATER
 Species/Strain: RATS/F 344/N

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

Date Report Requested: 01/14/2009
 Time Report Requested: 15:00:11
 First Dose M/F: 11/12/01 / 11/11/01
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 14 WEEKS**

| DOSE | Females | | | | | |
|-----------------------------------|------------|-----------|-----------|------------|------------|------------|
| | 0 MG/L | 62.5MG/L | 125MG/L | 250MG/L | 500MG/L | 1000 MG/L |
| Liver | | | | | | |
| Hepatodiaphragmatic Nodule | | | | | | |
| LESION RATES | | | | | | |
| OVERALL (a) | 1/10 (10%) | 0/10 (0%) | 0/10 (0%) | 1/10 (10%) | 1/10 (10%) | 2/10 (20%) |
| POLY-3 RATE (b) | 1/10.00 | 0/10.00 | 0/10.00 | 1/10.00 | 1/10.00 | 2/10.00 |
| POLY-3 PERCENT (g) | 10% | 0% | 0% | 10% | 10% | 20% |
| TERMINAL (d) | 1/10 (10%) | 0/10 (0%) | 0/10 (0%) | 1/10 (10%) | 1/10 (10%) | 2/10 (20%) |
| FIRST INCIDENCE | 93 (T) | --- | --- | 93 (T) | 93 (T) | 93 (T) |
| STATISTICAL TESTS | | | | | | |
| POLY 3 | P=0.119 | P=0.500N | P=0.500N | P=0.760 | P=0.760 | P=0.500 |
| POLY 1.5 | P=0.119 | P=0.500N | P=0.500N | P=0.760 | P=0.760 | P=0.500 |
| POLY 6 | P=0.119 | P=0.500N | P=0.500N | P=0.760 | P=0.760 | P=0.500 |
| COCH-ARM / FISHERS | P=0.114 | P=0.500N | P=0.500N | P=0.763N | P=0.763N | P=0.500 |
| MAX-ISO-POLY-3 | P=0.170 | P=0.158N | P=0.158N | P=1.000 | P=1.000 | P=0.274 |

TDMS No. 20114 - 01
 Test Type: 90-DAY
 Route: DOSED WATER
 Species/Strain: RATS/F 344/N

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

Date Report Requested: 01/14/2009
 Time Report Requested: 15:00:11
 First Dose M/F: 11/12/01 / 11/11/01
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 14 WEEKS**

| DOSE | Females | | | | | |
|---|-----------|------------|------------|------------|------------|------------|
| | 0 MG/L | 62.5MG/L | 125MG/L | 250MG/L | 500MG/L | 1000 MG/L |
| Liver | | | | | | |
| Infiltration Cellular Histiocyte | | | | | | |
| LESION RATES | | | | | | |
| OVERALL (a) | 0/10 (0%) | 3/10 (30%) | 6/10 (60%) | 6/10 (60%) | 9/10 (90%) | 8/10 (80%) |
| POLY-3 RATE (b) | 0/10.00 | 3/10.00 | 6/10.00 | 6/10.00 | 9/10.00 | 8/10.00 |
| POLY-3 PERCENT (g) | 0% | 30% | 60% | 60% | 90% | 80% |
| TERMINAL (d) | 0/10 (0%) | 3/10 (30%) | 6/10 (60%) | 6/10 (60%) | 9/10 (90%) | 8/10 (80%) |
| FIRST INCIDENCE | --- | 93 (T) | 93 (T) | 93 (T) | 93 (T) | 93 (T) |
| STATISTICAL TESTS | | | | | | |
| POLY 3 | P<0.001** | P=0.095 | P<0.001** | P<0.001** | P<0.001** | P<0.001** |
| POLY 1.5 | P<0.001** | P=0.095 | P<0.001** | P<0.001** | P<0.001** | P<0.001** |
| POLY 6 | P<0.001** | P=0.095 | P<0.001** | P<0.001** | P<0.001** | P<0.001** |
| COCH-ARM / FISHERS | P<0.001** | P=0.105 | P=0.005** | P=0.005** | P<0.001** | P<0.001** |
| MAX-ISO-POLY-3 | P<0.001** | P=0.024* | P<0.001** | P<0.001** | P<0.001** | P<0.001** |

TDMS No. 20114 - 01
 Test Type: 90-DAY
 Route: DOSED WATER
 Species/Strain: RATS/F 344/N

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

Date Report Requested: 01/14/2009
 Time Report Requested: 15:00:11
 First Dose M/F: 11/12/01 / 11/11/01
 Lab: SRI

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
TERMINAL SACRIFICE AT 14 WEEKS

| DOSE | Females | | | | | |
|---|-----------|-----------|-----------|-----------|-----------|-----------|
| | 0 MG/L | 62.5MG/L | 125MG/L | 250MG/L | 500MG/L | 1000 MG/L |
| Liver | | | | | | |
| Infiltration Cellular Mixed Cell | | | | | | |
| LESION RATES | | | | | | |
| OVERALL (a) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) |
| POLY-3 RATE (b) | 0/10.00 | 0/10.00 | 0/10.00 | 0/10.00 | 0/10.00 | 0/10.00 |
| POLY-3 PERCENT (g) | 0% | 0% | 0% | 0% | 0% | 0% |
| TERMINAL (d) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) |
| FIRST INCIDENCE | --- | --- | --- | --- | --- | --- |
| STATISTICAL TESTS | | | | | | |
| POLY 3 | (e) | (e) | (e) | (e) | (e) | (e) |
| POLY 1.5 | (e) | (e) | (e) | (e) | (e) | (e) |
| POLY 6 | (e) | (e) | (e) | (e) | (e) | (e) |
| COCH-ARM / FISHERS | (e) | (e) | (e) | (e) | (e) | (e) |
| MAX-ISO-POLY-3 | (e) | (e) | (e) | (e) | (e) | (e) |

TDMS No. 20114 - 01
 Test Type: 90-DAY
 Route: DOSED WATER
 Species/Strain: RATS/F 344/N

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

Date Report Requested: 01/14/2009
 Time Report Requested: 15:00:11
 First Dose M/F: 11/12/01 / 11/11/01
 Lab: SRI

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
TERMINAL SACRIFICE AT 14 WEEKS

| DOSE | Females | | | | | |
|-----------------------------------|------------|------------|------------|------------|------------|--------------|
| | 0 MG/L | 62.5MG/L | 125MG/L | 250MG/L | 500MG/L | 1000 MG/L |
| Liver | | | | | | |
| Inflammation Chronic Focal | | | | | | |
| LESION RATES | | | | | | |
| OVERALL (a) | 3/10 (30%) | 5/10 (50%) | 2/10 (20%) | 7/10 (70%) | 2/10 (20%) | 10/10 (100%) |
| POLY-3 RATE (b) | 3/10.00 | 5/10.00 | 2/10.00 | 7/10.00 | 2/10.00 | 10/10.00 |
| POLY-3 PERCENT (g) | 30% | 50% | 20% | 70% | 20% | 100% |
| TERMINAL (d) | 3/10 (30%) | 5/10 (50%) | 2/10 (20%) | 7/10 (70%) | 2/10 (20%) | 10/10 (100%) |
| FIRST INCIDENCE | 93 (T) | 93 (T) | 93 (T) | 93 (T) | 93 (T) | 93 (T) |
| STATISTICAL TESTS | | | | | | |
| POLY 3 | P<0.001** | P=0.329 | P=0.500N | P=0.082 | P=0.500N | P<0.001** |
| POLY 1.5 | P<0.001** | P=0.329 | P=0.500N | P=0.082 | P=0.500N | P<0.001** |
| POLY 6 | P<0.001** | P=0.329 | P=0.500N | P=0.082 | P=0.500N | P<0.001** |
| COCH-ARM / FISHERS | P=0.003** | P=0.325 | P=0.500N | P=0.089 | P=0.500N | P=0.002** |
| MAX-ISO-POLY-3 | P<0.001** | P=0.187 | P=0.310N | P=0.032* | P=0.310N | P<0.001** |

TDMS No. 20114 - 01
 Test Type: 90-DAY
 Route: DOSED WATER
 Species/Strain: RATS/F 344/N

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

Date Report Requested: 01/14/2009
 Time Report Requested: 15:00:11
 First Dose M/F: 11/12/01 / 11/11/01
 Lab: SRI

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
TERMINAL SACRIFICE AT 14 WEEKS

| DOSE | Females | | | | | |
|-----------------------------------|------------|-----------|-----------|-----------|-----------|------------|
| | 0 MG/L | 62.5MG/L | 125MG/L | 250MG/L | 500MG/L | 1000 MG/L |
| Lung | | | | | | |
| Inflammation Chronic Focal | | | | | | |
| LESION RATES | | | | | | |
| OVERALL (a) | 4/10 (40%) | 3/5 (60%) | 1/6 (17%) | 0/6 (0%) | 1/6 (17%) | 2/10 (20%) |
| POLY-3 RATE (b) | 4/10.00 | 3/5.00 | 1/6.00 | 0/6.00 | 1/6.00 | 2/10.00 |
| POLY-3 PERCENT (g) | 40% | 60% | 16.7% | 0% | 16.7% | 20% |
| TERMINAL (d) | 4/10 (40%) | 3/5 (60%) | 1/6 (17%) | 0/6 (0%) | 1/6 (17%) | 2/10 (20%) |
| FIRST INCIDENCE | 93 (T) | 93 (T) | 93 (T) | --- | 93 (T) | 93 (T) |
| STATISTICAL TESTS | | | | | | |
| POLY 3 | P=0.199N | P=0.431 | P=0.343N | P=0.106N | P=0.343N | P=0.318N |
| POLY 1.5 | P=0.199N | P=0.431 | P=0.343N | P=0.106N | P=0.343N | P=0.318N |
| POLY 6 | P=0.199N | P=0.431 | P=0.343N | P=0.106N | P=0.343N | P=0.318N |
| COCH-ARM / FISHERS | P=0.202N | P=0.427 | P=0.346N | P=0.115N | P=0.346N | P=0.314N |
| MAX-ISO-POLY-3 | P=0.077N | P=0.274 | P=0.199N | P=0.047N* | P=0.199N | P=0.171N |

TDMS No. 20114 - 01
 Test Type: 90-DAY
 Route: DOSED WATER
 Species/Strain: RATS/F 344/N

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

Date Report Requested: 01/14/2009
 Time Report Requested: 15:00:11
 First Dose M/F: 11/12/01 / 11/11/01
 Lab: SRI

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
TERMINAL SACRIFICE AT 14 WEEKS

| DOSE | Females | | | | | |
|---|-----------|-----------|----------|----------|----------|-----------|
| | 0 MG/L | 62.5MG/L | 125MG/L | 250MG/L | 500MG/L | 1000 MG/L |
| Lung: Alveolus | | | | | | |
| Infiltration Cellular Histiocyte | | | | | | |
| LESION RATES | | | | | | |
| OVERALL (a) | 0/10 (0%) | 1/5 (20%) | 0/6 (0%) | 0/6 (0%) | 0/6 (0%) | 0/10 (0%) |
| POLY-3 RATE (b) | 0/10.00 | 1/5.00 | 0/6.00 | 0/6.00 | 0/6.00 | 0/10.00 |
| POLY-3 PERCENT (g) | 0% | 20% | 0% | 0% | 0% | 0% |
| TERMINAL (d) | 0/10 (0%) | 1/5 (20%) | 0/6 (0%) | 0/6 (0%) | 0/6 (0%) | 0/10 (0%) |
| FIRST INCIDENCE | --- | 93 (T) | --- | --- | --- | --- |
| STATISTICAL TESTS | | | | | | |
| POLY 3 | P=0.447N | P=0.356 | (e) | (e) | (e) | (e) |
| POLY 1.5 | P=0.447N | P=0.356 | (e) | (e) | (e) | (e) |
| POLY 6 | P=0.447N | P=0.356 | (e) | (e) | (e) | (e) |
| COCH-ARM / FISHERS | P=0.448N | P=0.333 | (e) | (e) | (e) | (e) |
| MAX-ISO-POLY-3 | P=0.285N | P=0.101 | (e) | (e) | (e) | (e) |

TDMS No. 20114 - 01
 Test Type: 90-DAY
 Route: DOSED WATER
 Species/Strain: RATS/F 344/N

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

Date Report Requested: 01/14/2009
 Time Report Requested: 15:00:11
 First Dose M/F: 11/12/01 / 11/11/01
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 14 WEEKS**

| DOSE | Females | | | | | |
|--|------------|-----------|-----------|-----------|-----------|------------|
| | 0 MG/L | 62.5MG/L | 125MG/L | 250MG/L | 500MG/L | 1000 MG/L |
| Lymph Node, Mesenteric Infiltration Cellular Histiocyte | | | | | | |
| LESION RATES | | | | | | |
| OVERALL (a) | 3/10 (30%) | 2/6 (33%) | 3/6 (50%) | 2/6 (33%) | 5/6 (83%) | 6/10 (60%) |
| POLY-3 RATE (b) | 3/10.00 | 2/6.00 | 3/6.00 | 2/6.00 | 5/6.00 | 6/10.00 |
| POLY-3 PERCENT (g) | 30% | 33.3% | 50% | 33.3% | 83.3% | 60% |
| TERMINAL (d) | 3/10 (30%) | 2/6 (33%) | 3/6 (50%) | 2/6 (33%) | 5/6 (83%) | 6/10 (60%) |
| FIRST INCIDENCE | 93 (T) | 93 (T) | 93 (T) | 93 (T) | 93 (T) | 93 (T) |
| STATISTICAL TESTS | | | | | | |
| POLY 3 | P=0.079 | P=0.652 | P=0.400 | P=0.652 | P=0.045* | P=0.186 |
| POLY 1.5 | P=0.079 | P=0.652 | P=0.400 | P=0.652 | P=0.045* | P=0.186 |
| POLY 6 | P=0.079 | P=0.652 | P=0.400 | P=0.652 | P=0.045* | P=0.186 |
| COCH-ARM / FISHERS | P=0.079 | P=0.654 | P=0.392 | P=0.654 | P=0.059 | P=0.185 |
| MAX-ISO-POLY-3 | P=0.073 | P=0.453 | P=0.246 | P=0.453 | P=0.022* | P=0.090 |

TDMS No. 20114 - 01
 Test Type: 90-DAY
 Route: DOSED WATER
 Species/Strain: RATS/F 344/N

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

Date Report Requested: 01/14/2009
 Time Report Requested: 15:00:11
 First Dose M/F: 11/12/01 / 11/11/01
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 14 WEEKS**

| DOSE | Females | | | | | |
|---|------------|-----------|-----------|-----------|-----------|------------|
| | 0 MG/L | 62.5MG/L | 125MG/L | 250MG/L | 500MG/L | 1000 MG/L |
| Lymph Node: Mediastinal Hemorrhage | | | | | | |
| LESION RATES | | | | | | |
| OVERALL (a) | 2/10 (20%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 1/10 (10%) |
| POLY-3 RATE (b) | 2/10.00 | 0/10.00 | 0/10.00 | 0/10.00 | 0/10.00 | 1/10.00 |
| POLY-3 PERCENT (g) | 20% | 0% | 0% | 0% | 0% | 10% |
| TERMINAL (d) | 2/10 (20%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 1/10 (10%) |
| FIRST INCIDENCE | 93 (T) | --- | --- | --- | --- | 93 (T) |
| STATISTICAL TESTS | | | | | | |
| POLY 3 | P=0.649 | P=0.227N | P=0.227N | P=0.227N | P=0.227N | P=0.500N |
| POLY 1.5 | P=0.649 | P=0.227N | P=0.227N | P=0.227N | P=0.227N | P=0.500N |
| POLY 6 | P=0.649 | P=0.227N | P=0.227N | P=0.227N | P=0.227N | P=0.500N |
| COCH-ARM / FISHERS | P=0.647 | P=0.237N | P=0.237N | P=0.237N | P=0.237N | P=0.500N |
| MAX-ISO-POLY-3 | P=0.054N | P=0.067N | P=0.067N | P=0.067N | P=0.067N | P=0.274N |

TDMS No. 20114 - 01
 Test Type: 90-DAY
 Route: DOSED WATER
 Species/Strain: RATS/F 344/N

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

Date Report Requested: 01/14/2009
 Time Report Requested: 15:00:11
 First Dose M/F: 11/12/01 / 11/11/01
 Lab: SRI

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
TERMINAL SACRIFICE AT 14 WEEKS

| DOSE | Females | | | | | |
|---------------------------------------|-----------|-----------|-----------|-----------|------------|--------------|
| | 0 MG/L | 62.5MG/L | 125MG/L | 250MG/L | 500MG/L | 1000 MG/L |
| Lymph Node: Pancreatic Ectasia | | | | | | |
| LESION RATES | | | | | | |
| OVERALL (a) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 1/10 (10%) | 10/10 (100%) |
| POLY-3 RATE (b) | 0/10.00 | 0/10.00 | 0/10.00 | 0/10.00 | 1/10.00 | 10/10.00 |
| POLY-3 PERCENT (g) | 0% | 0% | 0% | 0% | 10% | 100% |
| TERMINAL (d) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 1/10 (10%) | 10/10 (100%) |
| FIRST INCIDENCE | --- | --- | --- | --- | 93 (T) | 93 (T) |
| STATISTICAL TESTS | | | | | | |
| POLY 3 | P<0.001** | (e) | (e) | (e) | P=0.500 | P<0.001** |
| POLY 1.5 | P<0.001** | (e) | (e) | (e) | P=0.500 | P<0.001** |
| POLY 6 | P<0.001** | (e) | (e) | (e) | P=0.500 | P<0.001** |
| COCH-ARM / FISHERS | P<0.001** | (e) | (e) | (e) | P=0.500 | P<0.001** |
| MAX-ISO-POLY-3 | P<0.001** | (e) | (e) | (e) | P=0.158 | (e) |

TDMS No. 20114 - 01
 Test Type: 90-DAY
 Route: DOSED WATER
 Species/Strain: RATS/F 344/N

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

Date Report Requested: 01/14/2009
 Time Report Requested: 15:00:11
 First Dose M/F: 11/12/01 / 11/11/01
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 14 WEEKS**

| DOSE | Females | | | | | |
|--|-----------|-----------|------------|-----------|-----------|--------------|
| | 0 MG/L | 62.5MG/L | 125MG/L | 250MG/L | 500MG/L | 1000 MG/L |
| Lymph Node: Pancreatic Hyperplasia Lymphoid | | | | | | |
| LESION RATES | | | | | | |
| OVERALL (a) | 0/10 (0%) | 0/10 (0%) | 2/10 (20%) | 0/10 (0%) | 0/10 (0%) | 10/10 (100%) |
| POLY-3 RATE (b) | 0/10.00 | 0/10.00 | 2/10.00 | 0/10.00 | 0/10.00 | 10/10.00 |
| POLY-3 PERCENT (g) | 0% | 0% | 20% | 0% | 0% | 100% |
| TERMINAL (d) | 0/10 (0%) | 0/10 (0%) | 2/10 (20%) | 0/10 (0%) | 0/10 (0%) | 10/10 (100%) |
| FIRST INCIDENCE | --- | --- | 93 (T) | --- | --- | 93 (T) |
| STATISTICAL TESTS | | | | | | |
| POLY 3 | P<0.001** | (e) | P=0.227 | (e) | (e) | P<0.001** |
| POLY 1.5 | P<0.001** | (e) | P=0.227 | (e) | (e) | P<0.001** |
| POLY 6 | P<0.001** | (e) | P=0.227 | (e) | (e) | P<0.001** |
| COCH-ARM / FISHERS | P<0.001** | (e) | P=0.237 | (e) | (e) | P<0.001** |
| MAX-ISO-POLY-3 | P<0.001** | (e) | P=0.067 | (e) | (e) | (e) |

TDMS No. 20114 - 01
 Test Type: 90-DAY
 Route: DOSED WATER
 Species/Strain: RATS/F 344/N

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

Date Report Requested: 01/14/2009
 Time Report Requested: 15:00:11
 First Dose M/F: 11/12/01 / 11/11/01
 Lab: SRI

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
TERMINAL SACRIFICE AT 14 WEEKS

| DOSE | Females | | | | | |
|--|------------|------------|------------|------------|------------|------------|
| | 0 MG/L | 62.5MG/L | 125MG/L | 250MG/L | 500MG/L | 1000 MG/L |
| Lymph Node: Pancreatic Infiltration Cellular Histiocyte | | | | | | |
| LESION RATES | | | | | | |
| OVERALL (a) | 4/10 (40%) | 8/10 (80%) | 7/10 (70%) | 7/10 (70%) | 7/10 (70%) | 9/10 (90%) |
| POLY-3 RATE (b) | 4/10.00 | 8/10.00 | 7/10.00 | 7/10.00 | 7/10.00 | 9/10.00 |
| POLY-3 PERCENT (g) | 40% | 80% | 70% | 70% | 70% | 90% |
| TERMINAL (d) | 4/10 (40%) | 8/10 (80%) | 7/10 (70%) | 7/10 (70%) | 7/10 (70%) | 9/10 (90%) |
| FIRST INCIDENCE | 93 (T) | 93 (T) | 93 (T) | 93 (T) | 93 (T) | 93 (T) |
| STATISTICAL TESTS | | | | | | |
| POLY 3 | P=0.067 | P=0.077 | P=0.186 | P=0.186 | P=0.186 | P=0.018* |
| POLY 1.5 | P=0.067 | P=0.077 | P=0.186 | P=0.186 | P=0.186 | P=0.018* |
| POLY 6 | P=0.067 | P=0.077 | P=0.186 | P=0.186 | P=0.186 | P=0.018* |
| COCH-ARM / FISHERS | P=0.068 | P=0.085 | P=0.185 | P=0.185 | P=0.185 | P=0.029* |
| MAX-ISO-POLY-3 | P=0.012* | P=0.029* | P=0.090 | P=0.090 | P=0.090 | P=0.005** |

TDMS No. 20114 - 01
 Test Type: 90-DAY
 Route: DOSED WATER
 Species/Strain: RATS/F 344/N

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

Date Report Requested: 01/14/2009
 Time Report Requested: 15:00:11
 First Dose M/F: 11/12/01 / 11/11/01
 Lab: SRI

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
TERMINAL SACRIFICE AT 14 WEEKS

| DOSE | Females | | | | | |
|---------------------------|-----------|-----------|-----------|-----------|-----------|-----------|
| | 0 MG/L | 62.5MG/L | 125MG/L | 250MG/L | 500MG/L | 1000 MG/L |
| Oral Mucosa | | | | | | |
| Inflammation Focal | | | | | | |
| LESION RATES | | | | | | |
| OVERALL (a) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) |
| POLY-3 RATE (b) | 0/10.00 | 0/10.00 | 0/10.00 | 0/10.00 | 0/10.00 | 0/10.00 |
| POLY-3 PERCENT (g) | 0% | 0% | 0% | 0% | 0% | 0% |
| TERMINAL (d) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) |
| FIRST INCIDENCE | --- | --- | --- | --- | --- | --- |
| STATISTICAL TESTS | | | | | | |
| POLY 3 | (e) | (e) | (e) | (e) | (e) | (e) |
| POLY 1.5 | (e) | (e) | (e) | (e) | (e) | (e) |
| POLY 6 | (e) | (e) | (e) | (e) | (e) | (e) |
| COCH-ARM / FISHERS | (e) | (e) | (e) | (e) | (e) | (e) |
| MAX-ISO-POLY-3 | (e) | (e) | (e) | (e) | (e) | (e) |

TDMS No. 20114 - 01
 Test Type: 90-DAY
 Route: DOSED WATER
 Species/Strain: RATS/F 344/N

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

Date Report Requested: 01/14/2009
 Time Report Requested: 15:00:11
 First Dose M/F: 11/12/01 / 11/11/01
 Lab: SRI

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
TERMINAL SACRIFICE AT 14 WEEKS

| DOSE | Females | | | | | |
|--------------------------|------------|----------|-----------|----------|----------|------------|
| | 0 MG/L | 62.5MG/L | 125MG/L | 250MG/L | 500MG/L | 1000 MG/L |
| Ovary Cyst | | | | | | |
| LESION RATES | | | | | | |
| OVERALL (a) | 2/10 (20%) | 0/6 (0%) | 1/6 (17%) | 0/6 (0%) | 0/6 (0%) | 2/10 (20%) |
| POLY-3 RATE (b) | 2/10.00 | 0/6.00 | 1/6.00 | 0/6.00 | 0/6.00 | 2/10.00 |
| POLY-3 PERCENT (g) | 20% | 0% | 16.7% | 0% | 0% | 20% |
| TERMINAL (d) | 2/10 (20%) | 0/6 (0%) | 1/6 (17%) | 0/6 (0%) | 0/6 (0%) | 2/10 (20%) |
| FIRST INCIDENCE | 93 (T) | --- | 93 (T) | --- | --- | 93 (T) |
| STATISTICAL TESTS | | | | | | |
| POLY 3 | P=0.452 | P=0.351N | P=0.679N | P=0.351N | P=0.351N | P=0.702 |
| POLY 1.5 | P=0.452 | P=0.351N | P=0.679N | P=0.351N | P=0.351N | P=0.702 |
| POLY 6 | P=0.452 | P=0.351N | P=0.679N | P=0.351N | P=0.351N | P=0.702 |
| COCH-ARM / FISHERS | P=0.451 | P=0.375N | P=0.696N | P=0.375N | P=0.375N | P=0.709N |
| MAX-ISO-POLY-3 | P=0.408 | P=0.152N | P=0.444N | P=0.152N | P=0.152N | P=1.000 |

TDMS No. 20114 - 01
 Test Type: 90-DAY
 Route: DOSED WATER
 Species/Strain: RATS/F 344/N

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

Date Report Requested: 01/14/2009
 Time Report Requested: 15:00:11
 First Dose M/F: 11/12/01 / 11/11/01
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 14 WEEKS**

| DOSE | Females | | | | | |
|---------------------------|-----------|----------|----------|----------|----------|-----------|
| | 0 MG/L | 62.5MG/L | 125MG/L | 250MG/L | 500MG/L | 1000 MG/L |
| Pancreas: Acinus | | | | | | |
| Atrophy Focal | | | | | | |
| LESION RATES | | | | | | |
| OVERALL (a) | 0/10 (0%) | 0/6 (0%) | 0/6 (0%) | 0/6 (0%) | 0/6 (0%) | 0/10 (0%) |
| POLY-3 RATE (b) | 0/10.00 | 0/6.00 | 0/6.00 | 0/6.00 | 0/6.00 | 0/10.00 |
| POLY-3 PERCENT (g) | 0% | 0% | 0% | 0% | 0% | 0% |
| TERMINAL (d) | 0/10 (0%) | 0/6 (0%) | 0/6 (0%) | 0/6 (0%) | 0/6 (0%) | 0/10 (0%) |
| FIRST INCIDENCE | --- | --- | --- | --- | --- | --- |
| STATISTICAL TESTS | | | | | | |
| POLY 3 | (e) | (e) | (e) | (e) | (e) | (e) |
| POLY 1.5 | (e) | (e) | (e) | (e) | (e) | (e) |
| POLY 6 | (e) | (e) | (e) | (e) | (e) | (e) |
| COCH-ARM / FISHERS | (e) | (e) | (e) | (e) | (e) | (e) |
| MAX-ISO-POLY-3 | (e) | (e) | (e) | (e) | (e) | (e) |

TDMS No. 20114 - 01
 Test Type: 90-DAY
 Route: DOSED WATER
 Species/Strain: RATS/F 344/N

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

Date Report Requested: 01/14/2009
 Time Report Requested: 15:00:11
 First Dose M/F: 11/12/01 / 11/11/01
 Lab: SRI

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
TERMINAL SACRIFICE AT 14 WEEKS

| DOSE | Females | | | | | |
|--|-----------|----------|----------|----------|----------|-----------|
| | 0 MG/L | 62.5MG/L | 125MG/L | 250MG/L | 500MG/L | 1000 MG/L |
| Pituitary Gland: Pars Distalis Cyst | | | | | | |
| LESION RATES | | | | | | |
| OVERALL (a) | 0/10 (0%) | 0/6 (0%) | 0/6 (0%) | 0/6 (0%) | 0/6 (0%) | 0/10 (0%) |
| POLY-3 RATE (b) | 0/10.00 | 0/6.00 | 0/6.00 | 0/6.00 | 0/6.00 | 0/10.00 |
| POLY-3 PERCENT (g) | 0% | 0% | 0% | 0% | 0% | 0% |
| TERMINAL (d) | 0/10 (0%) | 0/6 (0%) | 0/6 (0%) | 0/6 (0%) | 0/6 (0%) | 0/10 (0%) |
| FIRST INCIDENCE | --- | --- | --- | --- | --- | --- |
| STATISTICAL TESTS | | | | | | |
| POLY 3 | (e) | (e) | (e) | (e) | (e) | (e) |
| POLY 1.5 | (e) | (e) | (e) | (e) | (e) | (e) |
| POLY 6 | (e) | (e) | (e) | (e) | (e) | (e) |
| COCH-ARM / FISHERS | (e) | (e) | (e) | (e) | (e) | (e) |
| MAX-ISO-POLY-3 | (e) | (e) | (e) | (e) | (e) | (e) |

TDMS No. 20114 - 01
 Test Type: 90-DAY
 Route: DOSED WATER
 Species/Strain: RATS/F 344/N

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

Date Report Requested: 01/14/2009
 Time Report Requested: 15:00:11
 First Dose M/F: 11/12/01 / 11/11/01
 Lab: SRI

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
TERMINAL SACRIFICE AT 14 WEEKS

| DOSE | Females | | | | | |
|---|------------|----------|-----------|-----------|-----------|------------|
| | 0 MG/L | 62.5MG/L | 125MG/L | 250MG/L | 500MG/L | 1000 MG/L |
| Pituitary Gland: Rathke's Cleft Cyst | | | | | | |
| LESION RATES | | | | | | |
| OVERALL (a) | 1/10 (10%) | 0/6 (0%) | 1/6 (17%) | 1/6 (17%) | 1/6 (17%) | 4/10 (40%) |
| POLY-3 RATE (b) | 1/10.00 | 0/6.00 | 1/6.00 | 1/6.00 | 1/6.00 | 4/10.00 |
| POLY-3 PERCENT (g) | 10% | 0% | 16.7% | 16.7% | 16.7% | 40% |
| TERMINAL (d) | 1/10 (10%) | 0/6 (0%) | 1/6 (17%) | 1/6 (17%) | 1/6 (17%) | 4/10 (40%) |
| FIRST INCIDENCE | 93 (T) | --- | 93 (T) | 93 (T) | 93 (T) | 93 (T) |
| STATISTICAL TESTS | | | | | | |
| POLY 3 | P=0.036* | P=0.600N | P=0.643 | P=0.643 | P=0.643 | P=0.148 |
| POLY 1.5 | P=0.036* | P=0.600N | P=0.643 | P=0.643 | P=0.643 | P=0.148 |
| POLY 6 | P=0.036* | P=0.600N | P=0.643 | P=0.643 | P=0.643 | P=0.148 |
| COCH-ARM / FISHERS | P=0.034* | P=0.625N | P=0.625 | P=0.625 | P=0.625 | P=0.152 |
| MAX-ISO-POLY-3 | P=0.047* | P=0.246N | P=0.371 | P=0.371 | P=0.371 | P=0.059 |

TDMS No. 20114 - 01
 Test Type: 90-DAY
 Route: DOSED WATER
 Species/Strain: RATS/F 344/N

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

Date Report Requested: 01/14/2009
 Time Report Requested: 15:00:11
 First Dose M/F: 11/12/01 / 11/11/01
 Lab: SRI

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
TERMINAL SACRIFICE AT 14 WEEKS

| DOSE | Females | | | | | |
|---------------------------------------|------------|-----------|-----------|-----------|-----------|------------|
| | 0 MG/L | 62.5MG/L | 125MG/L | 250MG/L | 500MG/L | 1000 MG/L |
| Salivary Glands: Parotid Gland | | | | | | |
| Basophilic Focus | | | | | | |
| LESION RATES | | | | | | |
| OVERALL (a) | 6/10 (60%) | 2/6 (33%) | 2/6 (33%) | 1/6 (17%) | 2/6 (33%) | 5/10 (50%) |
| POLY-3 RATE (b) | 6/10.00 | 2/6.00 | 2/6.00 | 1/6.00 | 2/6.00 | 5/10.00 |
| POLY-3 PERCENT (g) | 60% | 33.3% | 33.3% | 16.7% | 33.3% | 50% |
| TERMINAL (d) | 6/10 (60%) | 2/6 (33%) | 2/6 (33%) | 1/6 (17%) | 2/6 (33%) | 5/10 (50%) |
| FIRST INCIDENCE | 93 (T) | 93 (T) | 93 (T) | 93 (T) | 93 (T) | 93 (T) |
| STATISTICAL TESTS | | | | | | |
| POLY 3 | P=0.505 | P=0.309N | P=0.309N | P=0.113N | P=0.309N | P=0.500N |
| POLY 1.5 | P=0.505 | P=0.309N | P=0.309N | P=0.113N | P=0.309N | P=0.500N |
| POLY 6 | P=0.505 | P=0.309N | P=0.309N | P=0.113N | P=0.309N | P=0.500N |
| COCH-ARM / FISHERS | P=0.505 | P=0.304N | P=0.304N | P=0.121N | P=0.304N | P=0.500N |
| MAX-ISO-POLY-3 | P=0.251N | P=0.185N | P=0.185N | P=0.059N | P=0.185N | P=0.334N |

TDMS No. 20114 - 01
 Test Type: 90-DAY
 Route: DOSED WATER
 Species/Strain: RATS/F 344/N

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

Date Report Requested: 01/14/2009
 Time Report Requested: 15:00:11
 First Dose M/F: 11/12/01 / 11/11/01
 Lab: SRI

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
TERMINAL SACRIFICE AT 14 WEEKS

| DOSE | Females | | | | | |
|---------------------------------|-----------|-----------|-----------|-----------|-----------|--------------|
| | 0 MG/L | 62.5MG/L | 125MG/L | 250MG/L | 500MG/L | 1000 MG/L |
| Stomach, Glandular Ulcer | | | | | | |
| LESION RATES | | | | | | |
| OVERALL (a) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 10/10 (100%) |
| POLY-3 RATE (b) | 0/10.00 | 0/10.00 | 0/10.00 | 0/10.00 | 0/10.00 | 10/10.00 |
| POLY-3 PERCENT (g) | 0% | 0% | 0% | 0% | 0% | 100% |
| TERMINAL (d) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 10/10 (100%) |
| FIRST INCIDENCE | --- | --- | --- | --- | --- | 93 (T) |
| STATISTICAL TESTS | | | | | | |
| POLY 3 | P<0.001** | (e) | (e) | (e) | (e) | P<0.001** |
| POLY 1.5 | P<0.001** | (e) | (e) | (e) | (e) | P<0.001** |
| POLY 6 | P<0.001** | (e) | (e) | (e) | (e) | P<0.001** |
| COCH-ARM / FISHERS | P<0.001** | (e) | (e) | (e) | (e) | P<0.001** |
| MAX-ISO-POLY-3 | P<0.001** | (e) | (e) | (e) | (e) | (e) |

TDMS No. 20114 - 01
 Test Type: 90-DAY
 Route: DOSED WATER
 Species/Strain: RATS/F 344/N

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

Date Report Requested: 01/14/2009
 Time Report Requested: 15:00:11
 First Dose M/F: 11/12/01 / 11/11/01
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
 TERMINAL SACRIFICE AT 14 WEEKS**

| DOSE | Females | | | | | |
|--|-----------|-----------|-----------|-----------|-----------|--------------|
| | 0 MG/L | 62.5MG/L | 125MG/L | 250MG/L | 500MG/L | 1000 MG/L |
| Stomach, Glandular: Epithelium Hyperplasia Focal Regenerative | | | | | | |
| LESION RATES | | | | | | |
| OVERALL (a) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 10/10 (100%) |
| POLY-3 RATE (b) | 0/10.00 | 0/10.00 | 0/10.00 | 0/10.00 | 0/10.00 | 10/10.00 |
| POLY-3 PERCENT (g) | 0% | 0% | 0% | 0% | 0% | 100% |
| TERMINAL (d) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 10/10 (100%) |
| FIRST INCIDENCE | --- | --- | --- | --- | --- | 93 (T) |
| STATISTICAL TESTS | | | | | | |
| POLY 3 | P<0.001** | (e) | (e) | (e) | (e) | P<0.001** |
| POLY 1.5 | P<0.001** | (e) | (e) | (e) | (e) | P<0.001** |
| POLY 6 | P<0.001** | (e) | (e) | (e) | (e) | P<0.001** |
| COCH-ARM / FISHERS | P<0.001** | (e) | (e) | (e) | (e) | P<0.001** |
| MAX-ISO-POLY-3 | P<0.001** | (e) | (e) | (e) | (e) | (e) |

TDMS No. 20114 - 01
 Test Type: 90-DAY
 Route: DOSED WATER
 Species/Strain: RATS/F 344/N

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

Date Report Requested: 01/14/2009
 Time Report Requested: 15:00:11
 First Dose M/F: 11/12/01 / 11/11/01
 Lab: SRI

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
TERMINAL SACRIFICE AT 14 WEEKS

| DOSE | Females | | | | | |
|---------------------------------------|-----------|-----------|-----------|-----------|-----------|--------------|
| | 0 MG/L | 62.5MG/L | 125MG/L | 250MG/L | 500MG/L | 1000 MG/L |
| Stomach, Glandular: Epithelium | | | | | | |
| Metaplasia Focal | | | | | | |
| LESION RATES | | | | | | |
| OVERALL (a) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 10/10 (100%) |
| POLY-3 RATE (b) | 0/10.00 | 0/10.00 | 0/10.00 | 0/10.00 | 0/10.00 | 10/10.00 |
| POLY-3 PERCENT (g) | 0% | 0% | 0% | 0% | 0% | 100% |
| TERMINAL (d) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 0/10 (0%) | 10/10 (100%) |
| FIRST INCIDENCE | --- | --- | --- | --- | --- | 93 (T) |
| STATISTICAL TESTS | | | | | | |
| POLY 3 | P<0.001** | (e) | (e) | (e) | (e) | P<0.001** |
| POLY 1.5 | P<0.001** | (e) | (e) | (e) | (e) | P<0.001** |
| POLY 6 | P<0.001** | (e) | (e) | (e) | (e) | P<0.001** |
| COCH-ARM / FISHERS | P<0.001** | (e) | (e) | (e) | (e) | P<0.001** |
| MAX-ISO-POLY-3 | P<0.001** | (e) | (e) | (e) | (e) | (e) |

TDMS No. 20114 - 01
 Test Type: 90-DAY
 Route: DOSED WATER
 Species/Strain: RATS/F 344/N

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

Date Report Requested: 01/14/2009
 Time Report Requested: 15:00:11
 First Dose M/F: 11/12/01 / 11/11/01
 Lab: SRI

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)
TERMINAL SACRIFICE AT 14 WEEKS

| DOSE | Females | | | | | |
|---------------------------|------------|----------|-----------|----------|----------|------------|
| | 0 MG/L | 62.5MG/L | 125MG/L | 250MG/L | 500MG/L | 1000 MG/L |
| Uterus | | | | | | |
| Hydrometra | | | | | | |
| LESION RATES | | | | | | |
| OVERALL (a) | 2/10 (20%) | 0/6 (0%) | 1/6 (17%) | 0/6 (0%) | 0/6 (0%) | 1/10 (10%) |
| POLY-3 RATE (b) | 2/10.00 | 0/6.00 | 1/6.00 | 0/6.00 | 0/6.00 | 1/10.00 |
| POLY-3 PERCENT (g) | 20% | 0% | 16.7% | 0% | 0% | 10% |
| TERMINAL (d) | 2/10 (20%) | 0/6 (0%) | 1/6 (17%) | 0/6 (0%) | 0/6 (0%) | 1/10 (10%) |
| FIRST INCIDENCE | 93 (T) | --- | 93 (T) | --- | --- | 93 (T) |
| STATISTICAL TESTS | | | | | | |
| POLY 3 | P=0.476N | P=0.351N | P=0.679N | P=0.351N | P=0.351N | P=0.500N |
| POLY 1.5 | P=0.476N | P=0.351N | P=0.679N | P=0.351N | P=0.351N | P=0.500N |
| POLY 6 | P=0.476N | P=0.351N | P=0.679N | P=0.351N | P=0.351N | P=0.500N |
| COCH-ARM / FISHERS | P=0.475N | P=0.375N | P=0.696N | P=0.375N | P=0.375N | P=0.500N |
| MAX-ISO-POLY-3 | P=0.222N | P=0.152N | P=0.444N | P=0.152N | P=0.152N | P=0.274N |

TDMS No. 20114 - 01
Test Type: 90-DAY
Route: DOSED WATER
Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Sodium dichromate dihydrate (VI)

CAS Number: 7789-12-0

Date Report Requested: 01/14/2009

Time Report Requested: 15:00:11

First Dose M/F: 11/12/01 / 11/11/01

Lab: SRI

LEGEND

- (a) Number of tumor-bearing animals/number of animals examined at site.
 - (b) Number of tumor-bearing animals/Poly-3 number
 - (d) Observed incidence at terminal kill.
 - (e) Value of Statistic cannot be computed.
 - (f) Beneath the control incidence are the P-values associated with the trend test. Beneath the dosed group incidence are the P-values corresponding to pairwise comparisons between the controls and that dosed group.
 - (g) Poly-3 adjusted lifetime tumor incidence.
 - (I) Interim sacrifice
 - (T) Terminal sacrifice
 - # Tumor rates based on numbers of animals necropsied.
 - * To the right of any statistical result, indicates significance at ($P \leq 0.05$).
 - ** To the right of any statistical result, indicates significance at ($P \leq 0.01$).
 - N Indicates a negative trend for all tests
- The Cochran-Armitage and Fishers exact tests compare directly the overall incidence rates.

*** END OF REPORT ***